



To: Mayor and City Council
From: Jennifer Hoffman, City and County Manager
Prepared by: Brenda Richey, Chief Financial Officer
Karl Frundt, Senior Attorney

Table with 2 columns: Meeting Date (July 19, 2022), Agenda Category (Study Session), Agenda Item # (2)

Utility Rate Study Review and Recommendations

Summary

View Correspondence

- This study session item will focus on providing the City Council with an overview of the approach to the Utility Rate Study, the methodology, and finally recommendations to ensure a viable financial structure for the ongoing operations of Broomfield’s utility systems.
In 2012, City Council directed staff to complete a utility rate study as part of its priorities to better understand the City and County of Broomfield’s (Broomfield) user charges and license fees related to its utilities.
In 2020, the City and County Manager, along with staff, engaged in a conversation with the City Council to reassess the approach and methodology for setting the fees and rates associated with Broomfield utilities in light of the quickly changing economic landscape as a result of the global pandemic, to ensure a sound methodology and model for evaluating and calculating the monthly water, sewer, and water reclamation charges and fees.
Broomfield operates water and sewer utilities for its customers and charges a user fee to its customers for these services.
Recognizing that the revenues generated by customers, both residential and commercial, must meet the ongoing operational and maintenance demands of the systems and the rising costs to operate and maintain the systems, an evaluation regarding the adequacy of the charges and fees in the utility funds for both service charges and license fees was needed.
In 2021, after a formal solicitation through a Request for Proposal (RFP) was issued, Broomfield contracted with Willdan Financial Services (Willdan), to conduct a comprehensive study of water, wastewater, and reclaimed water utilities (Rate Study).
The 2022 Rate Study was intended to update Broomfield’s utility financial model projections based on Fiscal Year 2021 actuals, preliminary 2021 end-of-year fund balances, the five (5) year Long Range Capital Improvements Plan (CIP), and bond repayment schedules, inclusive of the Series 2021 Revenue Bond for the Windy Gap project.
The rate study also provides a financial planning model for staff to incorporate during the budget development process and help provide sound methodology for any future proposed rate changes.
Willdan’s associates, Mr. Kevin Burnett and Mr. Michael Cronan will be in attendance at the Council’s Study Session to present an overview of the rate study process, answer questions, and facilitate a Council discussion of utility rate pricing objectives and priorities as identified in the study.
Prepare ten (10) year financial plans in support of meeting ongoing expenses, while adhering to Broomfield and industry standard financial policies.
Complete a cost-of-service analysis to identify the cost of providing utility service by customer class and adjust rates as appropriate.
Update the water, wastewater, and reclaimed water license fees to reflect the cost of providing service to new or expanded development.

Financial Considerations		
<ul style="list-style-type: none"> ● Increase the revenue structure required over the next five (5) years (through 2027) as outlined in the 2022 Utility Rate Study Report, which includes the charges associated with the base rate and license fees for the corresponding systems. <ul style="list-style-type: none"> ○ Staff to annually review, evaluate, provide recommended changes based on ongoing analysis to confirm proposed rates are still relevant based on administrative, operational, and maintenance costs. ● Shift from a flat based revenue structure to a tiered system based on usage. 		
Prior Council or Other Entity Actions		
<ul style="list-style-type: none"> ● Resolution No. 2012-78, approved by City Council on April 24, 2012, authorized an agreement between the City and County of Broomfield and Arcadis U.S., Inc., to perform a Comprehensive Rate and Fee Cost of Services Study for Water, Wastewater, and Reclaimed Water Utilities. ● Ordinance Nos. 2140 and 2141, were adopted on final and second reading by City Council on December 10, 2020, amending Broomfield Municipal Code Section 13-12-010 to change Monthly Water Service Charges, and Broomfield Municipal Code Section 13-12-020 to change Monthly Sewer Service Charges respectively. 		
Boards & Commissions Prior Actions & Recommendations		
<ul style="list-style-type: none"> ● N/A 		
Council Priorities / Comprehensive Plan / Long Range Financial Plan		
<input type="checkbox"/> Affordable Housing	<input type="checkbox"/> Mental Health Strategic Plan	<input type="checkbox"/> Comp Plan Goal - Other
<input type="checkbox"/> Diversity, Equity, Access, and Inclusion	<input type="checkbox"/> Oil and Gas	<input checked="" type="checkbox"/> Long Range Financial Plan
<input type="checkbox"/> Economic Vitality	<input checked="" type="checkbox"/> Sustainability	
<input type="checkbox"/> Creative Economy	<input type="checkbox"/> Transportation	
	<input checked="" type="checkbox"/> Water	
Proposed Actions/Recommendations		
<ul style="list-style-type: none"> ● Questions and comments from the City Council would be appreciated. 		
Alternatives		
<ul style="list-style-type: none"> ● N/A 		

BACKGROUND

Broomfield’s Water Fund, Sewer Fund, and Water Reclamation Fund (collectively the “Utility Funds”) operate as enterprise funds; where rates and fees within each fund are set to cover the costs of providing respective services to customers. By law, enterprise funds are not supported by tax revenues, rather by service charges and fees. Enterprise funds must operate as a stand-alone business and generate the revenues necessary to provide services. In Broomfield, there are two separate components to the overall operation of each utility fund: an operating component and a capital component.

The operating component accounts for the day-to-day functions of running the utility for existing customers, recovering the cost of providing service, and maintaining the existing capital investment. The major revenue sources associated with the operating components are user service charges and fees.

The capital component takes into account any of the costs related to building or expanding the existing system, which may include new debt associated with constructing new infrastructure. The major revenue associated with the capital component is the license fee. License fees are impact fees or assessments designed to recover the costs of capital improvements or facility expansion attributable to growth paid when a new or expanding user ties into the system.

Broomfield last conducted a utility rate study in 2012. The 2012 report assisted Broomfield with determining rate impacts associated with its forecasted capital improvement plans as well as a ten (10) year outlook on its utility fee and rate structure. Given that the data was a decade old, staff initiated a request for proposal (RFP) to solicit consultants to undertake the analysis of Broomfield’s water, wastewater, reclamation fee and rate structure under current economic conditions and updated capital improvement needs related to those utilities. Additionally, staff requested a recommendation on creating a new enterprise related to stormwater activity, which is currently funded through the water fund.

Summary of Current Approach

In 2012, Council authorized a Utility Rate and Fee Study, which was conducted by ARCADIS U.S., Inc. This rate study evaluated the rates and fees charged by Broomfield’s Water and Sewer Utilities and provided a multi-year plan that projected potential annual increases in user charges through 2021 to cover the costs associated with operations of the utilities. Since completion of that study, the utility financial models recommendations have been evaluated annually to assess and incorporate the most current factors based on the 2012 methodology.

As part of the study, ARCADIS incorporated two basic scenarios in their analysis; just-in-time increases and smoothing. Just-in-time increases allow fund balance and available cash to reach minimum levels before increases are imposed and potentially result in high single year increases so that cash reserves reach minimum levels.

While the smoothing approach, as the term implies, takes the larger increase and spreads it over several years in lesser increments to more evenly spread the impact. The key to the smoothing approach is that multi-year increases may be required to achieve the necessary revenue. Council direction was to utilize the smoothing approach when evaluating the need for increases in user charges.

Table 1 compares the annual increase proposed by the 2012 rate study with the actual increases through 2021.

Table 1: Utility Funds Historical Overview

Water Fund			Sewer Fund				
Year	2012 Rate Study Proposed Increases	Actual Rate Increases	Year	2012 Rate Study Proposed Increases	Actual Rate Increases	ECF Based on 2012 Rate Study	Actual ECF
2013	7.00%	7.00%	2013	13.00%	13.00%	-	\$2.00
2014	6.00%	0.00%	2014	13.00%	0.00%	-	\$2.00
2015	6.00%	0.00%	2015	13.00%	0.00%	-	\$2.00
2016	5.00%	1.50%	2016	12.00%	1.50%	-	\$2.00
2017	0.00%	1.50%	2017	12.00%	1.50%	-	\$2.00
2018	0.00%	2.00%	2018	11.00%	2.00%	-	\$2.00
2019	0.00%	2.00%	2019	11.00%	2.00%	\$2.00	\$2.00
2020	0.00%	2.00%	2020	0.00%	2.00%	\$4.00	\$4.00
2021	0.00%	2.50%	2021	2.00%	2.00%	-	\$4.00

Service Charges

Service charge revenues are fees designed to recover the costs of operations, provide for a two month operating reserve, and allow for the costs of routine capital improvements to the system, rather than growth related improvements. As noted in Table 1, the service charges have either remained constant or had a modest increase since 2014. Table 2 below provides Broomfield’s current rates for water and sewer services.

Water Fund

In the water fund, service charges have two components:

- Flat monthly charge (no usage included) per dwelling unit
- User charges for all water used per 1,000 gallons

Sewer Fund

In the sewer fund, service charges are based on:

- User charges per 1,000 gallons of the average winter consumption (AWC) with a minimum of 6,000 gallons

Average Monthly Charge for Single Family Residence	Current Rates
Monthly Flat Rate	\$10.47
Water Usage Charge	\$45.64
Total Water Service Charges*	\$56.11
Total Sewer Service Charge**	\$20.76
Total Water & Sewer Charges	\$76.87

**Water total based on annual usage of 163,000 gallons.*

***Sewer total based on average winter consumption of 6,000 gallons*

Comparison of Broomfield’s Rates with Other Cities

The Colorado Division of Local Government (DLG) conducted a [survey](#) of local utility practices. The survey was open for responses for three weeks in September and early October 2021. Key findings of that survey reported that median drinking water rates for 10,000 gallons of use showed a 5.4% decrease for municipalities and a 24% increase for special districts between the 2020 and 2021 surveys. The median drinking water rate based on typical consumption is \$52.68. This is about 7.1% higher than the median rate based on typical consumption from the prior year survey. While the reported median wastewater rate is \$35.56. Median wastewater rates showed a 4.8% median decrease for municipalities and no change for special districts.

Broomfield’s current average annual and monthly water and sewer service fee charges compared to other local water and sewer providers are illustrated within Table 3. For an average utility customer, the amount paid by a Broomfield residential customer corresponds to the bottom third for water service and is in the middle for sewer service, as compared to other cities. Current methodology for calculating the rates are based on a Uniform Rate. This structure has a constant price per unit for all metered units of water consumed.

Table 3: Current Water and Sewer Rate Comparison

Water Rate Comparison					Sewer Rate Comparison		
Based on 163,000 Gallons per Year					Based on 6,000 Gallons per Month		
City	2022 Usage Charges	2022 Base Charges	2022 Total Annual	Average Monthly	City	2022 Flat Charges	2022 Average Monthly
Erie	\$5.53	\$19.36	\$1,404.56	\$117.05	Westminster	\$32.46	\$79.50
Westminster	\$3.57	\$19.33	\$231.96	\$96.09	Erie	\$10.30	\$64.88
Thornton	\$5.66	\$8.00	\$1,018.58	\$84.88	Boulder	\$11.67	\$47.67
Longmont	\$3.78	\$11.89	\$932.89	\$77.74	Loveland	\$15.47	\$46.25
Boulder	\$4.22	\$16.11	\$881.18	\$73.43	Longmont	\$11.50	\$43.78
Lafayette	\$3.28	\$16.43	\$839.60	\$69.97	Broomfield	\$20.76	\$41.52
Loveland	\$3.69	\$18.05	\$818.07	\$68.17	Louisville	\$9.72	\$39.84
Superior	\$3.51	\$17.94	\$813.48	\$67.79	Lafayette	\$23.94	\$39.51
Louisville	-	\$19.37	\$807.18	\$67.27	Superior	\$32.34	\$32.34
Arvada	\$4.48	\$5.83	\$800.20	\$66.68	Arvada	\$2.44	\$31.72
Broomfield	\$3.36	\$10.47	\$673.32	\$56.11	Thornton	\$6.87	\$25.35

Recommendation and Approach

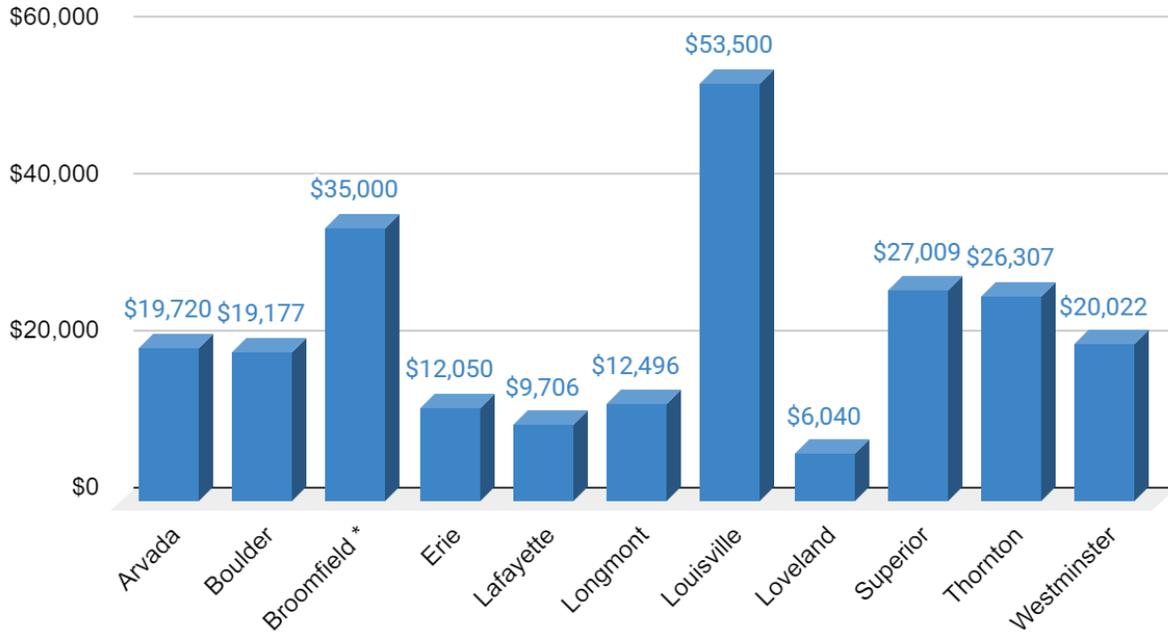
The rate study forecasted a recommended five percent (5%) water revenue adjustment beginning January 1, 2023 and a sliding scale thereafter, to ensure sufficient operating revenue to fund ongoing planned capital improvements. A fundamental shift of the study and approach for Broomfield will be methodology to adequately support the infrastructure and operations of the water utility.

Water is an integral part of everyday life and the water shortages facing Colorado have necessitated ensuring the supply will be able to meet Broomfield’s current and future demands. Part of the collaboration between staff and the consultant was to determine best practices for working towards environmental sustainability to encourage water conservation. The end result is a recommended shift from the uniform rate charge to a tiered approach, which charges those customers who use more to pay more. This shift is intended to promote and encourage conservation around peak demand periods that may be associated with lawn watering and outside activities.

Another recommendation is to increase the license fees associated with the demands and costs created by new development. This change directly ties land development and the connection to those utility systems. The current analysis determined that the current fee structure for licenses are inadequate to meet the demands, therefore proposed increases for both the water, sewer, and water reclamation systems are listed below in Table 4.

Table 4: Broomfield Current and Proposed License Fees Rates			
	Current Rate	Proposed Fee	Difference
Water License Fee	\$24,756	\$35,000	\$10,244
Sewer License Fee	\$12,559	\$14,320	\$1,761
Water Reclamation	\$12,378	\$13,240	\$862

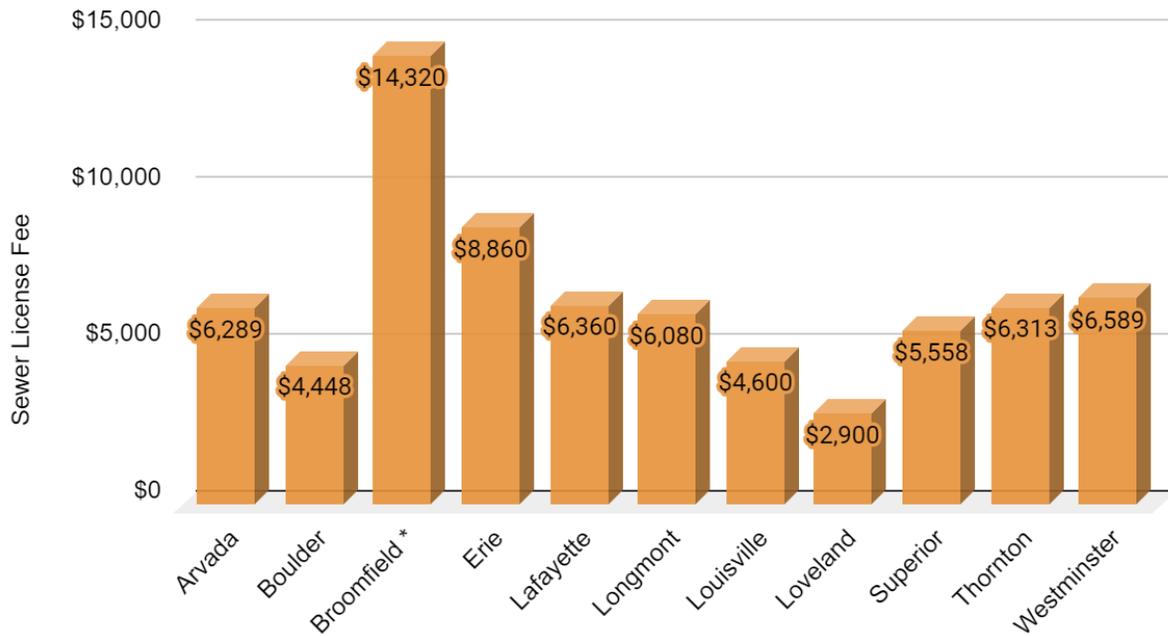
Water License Fee Comparison



**Proposed Rates for 2023 based on Study*

***Assumes Average Lot is 8,600 Sq. Ft*

Sewer License Fee Comparison



Other Areas for Consideration

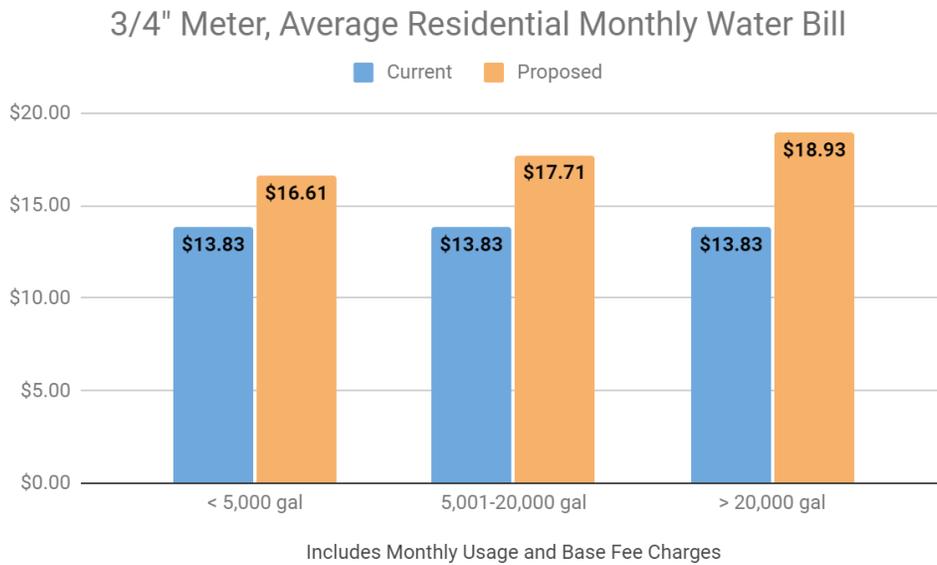
Staff asked the consultants to evaluate the possibility of separating out the stormwater utility as its own entity. After careful evaluation, it was determined that it should continue in its current state under the water utility and be evaluated as the system demands progress to determine if another utility is warranted. It is expected that a stormwater utility is a possibility in the next decade.

Customer Impacts and Bill Comparison

All residents will see an increase in their monthly base charge of \$3.84 to address the administration and cover the costs for maintaining the existing infrastructure. The current base rates are \$10.47 and would increase to \$14.31 based on the analysis found in the study.

The average residential customer has a three-quarter (¾) inch meter line, and those customers using 5,000 gallons of water or less per month will see a decrease of \$1.06 per 1,000 gallons of usage rate on their monthly water bill.

Higher volume customers, using greater than 20,000 gallons of water per month, will see an increase of \$1.26 per 1,000 gallons of usage.



From a wastewater (sewer) perspective, residential customers should experience a minimal increase in bills due to the current sewer structure effectively meeting Broomfield’s goals and is consistent with market standards. The proposed increase for all residential customers related to wastewater (sewer) will be an increase of \$0.17 per the average winter consumption (AWC).

Average Monthly Wastewater (Sewer) Bill



Table 5 below compares the surrounding communities based on the proposed tiered based approach for water and the modest increase for sewer.

Table 5: Proposed Water and Sewer Rate Comparison

Water Rate Comparison

Based on 163,000 Gallons per Year

City	Tier I Usage Charges (<5,000 gallons)	2022 Base Charges	Average Monthly
Erie	\$5.53	\$19.36	\$117.05
Westminster	\$3.57	\$19.33	\$96.09
Aurora	\$5.63	\$13.00	\$92.05
Northglenn	\$4.16	\$15.01	\$88.59
Fort Collins	\$3.21	\$15.75	\$80.81
Longmont	\$3.78	\$11.89	\$77.74
Brighton	\$2.58	\$14.72	\$72.52
Lafayette	\$3.28	\$16.43	\$69.97
Superior	\$3.51	\$17.94	\$67.79
Louisville	-	\$19.37	\$67.27
Broomfield*	\$2.30	\$14.31	\$45.55

*2023 Proposed Rates based on rate study recommendation

Sewer Rate Comparison

Based on 6,000 Gallons per Month

City	2022 Flat Charges	2022 Average Monthly
Westminster	\$32.46	\$79.50
Erie	\$10.30	\$64.88
Boulder	\$11.67	\$47.67
Loveland	\$15.47	\$46.25
Longmont	\$11.50	\$43.78
Broomfield*	\$20.76	\$42.52
Louisville	\$9.72	\$39.84
Lafayette	\$23.94	\$39.51
Superior	\$32.34	\$32.34
Arvada	\$2.44	\$31.72
Thornton	\$6.87	\$25.35

Next Steps

Staff will also work with the City Attorney’s Office to amend the current Broomfield Municipal Code (BMC [13-12-010](#) and [13-12-020](#)) regarding the updated and proposed water and sewer charges and fees.

City and County of Broomfield, CO

Water, Sewer and Reclaimed Water Rate and License Fee Study



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Section 1 – Executive Summary

1.1 Study Background

The City and County of Broomfield (Broomfield) retained Willdan Financial Services (Willdan) to conduct a utility rate study (Rate Study) for Broomfield’s water, sewer and reclaimed water utilities. Broomfield’s water, sewer and reclaimed water enterprise funds are self-supporting and fund the following: operations and maintenance (O&M) costs, outstanding debt obligations and capital projects including routine repair and replacement of aging utility system components. User rate revenue along with license fees (for growth related expenditures) provide a stable, secure revenue source for the utilities and are the primary revenue sources. Utility revenues cannot be used for any other general or special purpose.

The main objectives of this study were to:

- Prepare ten-year financial plans in support of meeting ongoing expenses, while adhering to Broomfield and industry standard financial policies.
- Complete a cost-of-service analysis to identify the cost of providing utility service by customer class and adjust rates as appropriate.
- Update the water, sewer and reclaimed water license fees to reflect the cost of providing service to new or expanded development.

These objectives are discussed in further detail in the body of this report.

1.2 Financial Plans

The ten-year financial plans were developed based on projected revenues and expenditures, system growth, and recent usage trends (the volume of flows from different customer classes). The projections reflect the best available information and assessments developed and refined through numerous meetings and teleconferences between Willdan and Broomfield staff. Upon completion of the financial plan, it was determined that revenues generated through projected system growth, existing user rates, and projected system utilization (anticipated flows) alone will not be sufficient to meet anticipated system expenditures, and rate revenue increases will be required beginning in 2023.

1.3 Financial Targets

Through the study process Willdan worked with Broomfield staff to identify and recommend financially prudent financial targets for the utility to help ensure the financial viability of the Enterprise Funds. The financial targets included:

- **Operating Reserve:** Cash reserve equivalent to 180 days of annual operations and maintenance expenses; and
- **Debt Service Coverage:** A coverage requirement of 1.20 times calculated by dividing net revenues (revenues less operations and maintenance expenses) by annual debt service.

1.4 Findings and Recommendations

It is recommended that Broomfield update the cashflow portion of this study each year to ensure projected revenue remains sufficient to fund projected expenses going forward as assumptions made during this analysis may change and have a material impact on the analysis. The proposed revenue increases for future years, and rates are illustrated in Tables 1-1 and 1-2.

Table 1-1 Projected Rate Revenue Increases Years Ending December 31			
Description	Water Rate Revenue Increases	Sewer Rate Revenue Increases	Reclaimed Water Rate Revenue Increases
2023	5.0%	5.0%	0.0%
2024	3.0%	4.0%	0.0%
2025	2.0%	4.0%	0.0%
2026	2.0%	3.0%	0.0%
2027	2.0%	3.0%	0.0%
2028	2.0%	2.0%	0.0%
2029	2.0%	2.0%	0.0%
2030	2.0%	2.0%	0.0%
2031	2.0%	2.0%	0.0%
2032	2.0%	2.0%	0.0%

The increases in Table 1-1 represent the additional revenue each utility is projected to require in order to fund its operations. The projected revenue increase will not necessarily translate into an equal rate increase to customers. In other words, while a 5% water revenue increase is projected for 2023, each respective customer may see a change in their monthly water bill that is lower or greater than the 5% revenue increase. This is because the changes made to the water rate structure may impact each customer differently based on their respective meter size and total monthly water usage (see Section 5).

Water rates are assessed on monthly base charge and volume rate basis. Sewer rates are assessed based on one of two methods. The first is a customer's Average Winter Consumption (AWC) of water flows during a fourth month period of November 1 through March 31 multiplied by a rate per 1,000 gallons. The second method is a flat rate per Equivalent Residential Unit (ERU) the equivalent flow of a single family residential customer (approximately 116,800 gallons of sewer flow per year). The customer is charged a monthly sewer fee equal to the greater of the two methods. Reclaimed water are assessed a monthly base charge and volume rate per 1,000 gallons of reclaimed water used.

**Table 1-2
Utility Rates Existing and Proposed 2023 through 2027**

Meter Size/Customer Class	Existing	2023	2024	2025	2026	2027
Monthly Water Fixed Charges						
Single-Family 3/4-inch	\$10.47	\$14.31	\$14.74	\$15.03	\$15.33	\$15.64
Single Family 1-inch	27.78	23.85	24.56	25.05	25.55	26.07
Multifamily (per dwelling unit)	10.47	14.31	14.31	15.03	15.33	15.64
Nonresidential						
3/4-inch	13.91	14.31	14.74	15.03	15.33	15.64
1-inch	27.78	23.85	24.56	25.05	25.55	26.07
1 1/2-inch	55.60	47.69	49.13	50.11	51.11	52.13
2-inch	111.18	76.31	78.60	80.17	81.78	83.41
3-inch	250.17	143.08	147.38	150.32	153.33	156.40
4-inch	500.34	238.47	245.63	250.54	255.55	260.66
6-inch	1,306.52	476.94	491.25	501.08	511.10	521.32
8-inch	2,779.76	763.11	786.00	801.72	817.76	834.11
Outside Broomfield						
3/4-inch	27.82	28.62	29.48	30.06	30.67	31.28
1-inch	55.56	47.69	49.13	50.11	51.11	52.13
1 1/2-inch	111.20	95.39	98.25	100.22	102.22	104.26
2-inch	222.36	152.62	157.20	160.34	163.55	166.82
3-inch	500.34	286.17	294.75	300.65	306.66	312.79
4-inch	1,000.68	476.94	491.25	501.08	511.10	521.32
6-inch	2,613.04	953.88	982.50	1,002.15	1,022.19	1,042.64
8-inch	5,559.52	1,526.21	1,572.00	1,603.44	1,635.51	1,668.22
Water Volume Rates (\$/1,000 gallons)						
Single Family – 0 – 5,000 gal	\$3.36	\$2.30	\$2.37	\$2.42	\$2.47	\$2.52
Single Family – 5,001 – 20,000 gal	3.36	3.40	3.50	3.57	3.64	3.72
Single Family – > 20,000 gal	3.36	4.62	4.75	4.85	4.95	5.04
Multifamily – All Use	3.36	2.44	2.51	2.56	2.61	2.66
Nonresidential – All Use	3.36	3.36	3.46	3.53	3.60	3.67
Outside Broomfield	6.72	3.11	3.21	3.27	3.34	3.40
Sewer						
All Customers ⁽¹⁾	\$3.46 x AWC or 13.84 x ERU	\$3.63 x AWC or 14.52 x ERU	\$3.78 x AWC or 15.12 x ERU	\$3.93 x AWC or 15.72 x ERU	\$4.05 x AWC or 16.20 x ERU	\$4.17 x AWC or 16.68 x ERU
Reclaimed Water Monthly Fixed Charges ⁽²⁾						
3/4-inch	(2)	\$11.45	\$11.45	\$11.45	\$11.45	\$11.45
1-inch	(2)	19.08	19.08	19.08	19.08	19.08
1 1/2-inch	(2)	38.15	38.15	38.15	38.15	38.15
2-inch	(2)	61.04	61.04	61.04	61.04	61.04
3-inch	(2)	114.45	114.45	114.45	114.45	114.45
4-inch	(2)	190.75	190.75	190.75	190.75	190.75
6-inch	(2)	381.50	381.50	381.50	381.50	381.50
8-inch	(2)	610.40	610.40	610.40	610.40	610.40
Reclaimed Volume Rates (\$/1,000 gallons)						
All Use	(2)	1.51	1.51	1.51	1.51	1.51
<p>(1) Whichever is greater. Additional Federal Mandate Charge of \$0.52 per 1,000 gallons and Environmental Compliance Fee of \$4.00 per ERU also applies.</p> <p>(2) Current rates 50% of potable monthly base charge and volume rate. Proposed rates reflect the projected cos of operating the reclaimed water system.</p>						

Section 2 - Introduction

2.1 Introduction

Willdan Financial Services (“Willdan”) was retained by the City and County of Broomfield, Colorado (Broomfield) to conduct a Utility Rate Study (Rate Study) for Broomfield’s water, sewer and reclaimed water utilities (Utilities). This report details the results of the Study analysis for the forecast period, 2022 through 2032, the results of which are presented in this Rate Study Report. The focus of the narrative of the report is through 2027, with 2028 through 2032 projections contained within the appendices.

Based on discussion with Broomfield staff, this report presents the recommended financial plan, rate-design and license fee adjustments to meet Broomfield’s objectives.

2.2 Goals and Objectives

The primary goal of the Rate Study was to develop a financial plan that evaluated the adequacy of the current revenue streams to meet ongoing costs (operations, maintenance, capital and debt service), and to maintain industry standard financially prudent cash reserves. More specifically the Rate Study was undertaken to:

- Conduct the analysis in accordance with industry standards consistent American Water Works Association (AWWA) and Water Environment Federation (“WEF”) guidelines;
- Develop a financial plan consistent with industry standards and best practices while recognizing the needs specific to Broomfield; and
- Recommend rates that adhere to Colorado Revised Statutes.

2.3 Organization of this Report

This Report presents an overview of the Rate Study, with a summary of the analysis contained herein. The analysis is followed by a discussion of the data, assumptions, and results associated with each component of the analysis. Finally, appendices with detailed schedules are presented for further investigation and insight into the data, assumptions, and calculations which drive the results presented in this Rate Study. The report is organized as follows:

- Section 1 – Executive Summary
- Section 2 – Introduction
- Section 3 – Overview of Financial Planning Principles, Processes, and Issues
- Section 4 – Financial Plan Development and Results

- Section 5 – Cost-of-Service and Rate Design Analysis
- Section 6 – License Fees
- Section 7 – Conclusions and Recommendations
- Appendix A – Water System Financial Plan
- Appendix B – Sewer System Financial Plan
- Appendix C – Reclaimed Water System Financial Plan
- Appendix D – Water Cost-of-Service and Rate Design
- Appendix E – Reclaimed Cost-of-Service and Rate Design
- Appendix F – Water License Fees
- Appendix G – Sewer License Fees
- Appendix H – Reclaimed Water License Fees

2.4. Reliance on Data

During this project Broomfield (and/or its representatives) provided Willdan with a variety of technical information, including capital costs and demographic data. This data was used by Willdan in the process of developing the financial plans and recommended rates adjustments. Willdan did not independently assess or test for the accuracy of such data, historic or projected, but worked with Broomfield staff to better understand the data and its sources and believe it to be the best available information at the time of the study.

Section 3 – Overview of Financial Planning Principles, Processes and Issues

3.1 Introduction

The scope of this study included the development of water, sewer and reclaimed water financial plans for the planning period 2022 through 2032. The concentration of the narrative of the report is the first five-year period with the full ten-year period contained within the appendices.

The scope of this study also included updating utility user rates. This Rate Study utilized generally accepted rate-making principles and standards established by the industry's governing bodies the American Water Works Association (AWWA) in its "M1 Principles of Water Rates, Fees and Charges" and the Water Environment Federation (WEF) in its "Financing and Charges for Sewer Systems, Manual of Practice No. 27 (2004)". The principles used resulted in the update of rates and charges which are projected to: 1) generate sufficient revenue to meet the financial requirements of the utilities, and 2) address the need to recover costs from users in a manner which is proportionate to the cost of providing service on a fair and equitable basis relative to the service provided, and which does not exceed the cost of providing the service.

3.2 Discussion of General Financial Planning Principles

While the individual rates vary based on a variety of factors, rates should be consistent with general rate-making principles set forth in utility rate-making practice and literature. The principles by which rate practitioners are guided is that rates designed for any utility should strike a reasonable balance between several key factors. In general, rates designed should:

- Generate a stable rate revenue stream which, when combined with other sources of revenue such as late fees, penalties interest income etc., is sufficient to meet the financial requirements and goals of the utility;
- Be based upon the proportionate cost of providing the service and not exceed the cost of providing the service;
- Be fair and equitable – that is, they should generate revenue from customer classes which is reasonably in proportion to the cost to provide service to that customer class;
- Be easy to understand by customers; and
- Be easy to administer by the utility.

Striking the appropriate balance between the principles of rate-making is the result of a detailed process of evaluation of revenue requirements and how those translate into the rate design alternatives which meet legal requirements and the specific objectives of the utility under the circumstances in which it operates. A review of Broomfield’s existing rates and their adherence to these principles is discussed in Section 5.2 of this report.

3.3 The Revenue Sufficiency Process

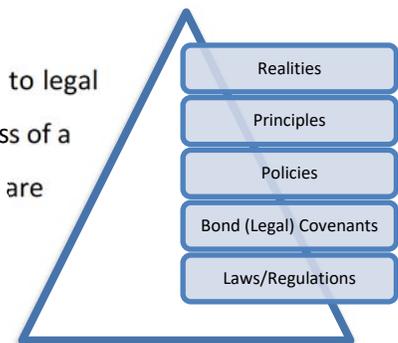
In order to evaluate whether existing rates and charges will generate sufficient revenue to meet the fiscal requirements of the water, sewer and reclaimed water utilities, the required annual rate revenue must be determined. The first step in the process is the Revenue Sufficiency Analysis. The Revenue Sufficiency Analysis compares the forecasted revenues of the utility under its existing rates to its forecasted operations and maintenance, capital, and reserve costs to determine the adequacy of the existing rates to recover the utility’s costs.

To the extent that the existing revenue stream is projected to be insufficient to meet the annual revenue requirements of the system during the projection period, a series of recommended rate increases are calculated which, if enacted, would provide revenue sufficient to meet those needs.

3.3.1 Determination of the Revenue Requirements

Considerations in Setting Revenue Requirements

There are a multitude of considerations, ranging from financial to political to legal that must be analyzed or discussed during the revenue requirements process of a rate analysis. This section provides an overview of the considerations that are reviewed during this process.



Capital Budgeting and Financing

Capital needs are identified in Broomfield’s Capital Improvement Plan (CIP) which is updated on an annual basis. As part of its budget and planning process, Broomfield identified capital improvements that are necessary for the continued operation of the utility systems.

Capital Funding: Debt vs. PAYGO

The selection of the appropriate funding strategy for capital projects is primarily a policy decision between use of cash (“Pay-as-you-go financing” or PAYGO), the issuance of debt, or a combination. PAYGO is the use or build-up of cash to fund capital improvements. With debt financing, capital improvements are funded with borrowed funds (usually through the issuance of bonds) with the obligation of repayment, typically with

interest, in future years. Development of an optimal capital financial plan depends on the definition of optimal. Each funding mechanism has a different impact on rates in the short and long run, different net present values, risks, and legal obligations. Due to the borrowing costs associated with debt, cash funding can be cheaper in the end (by not having to incur interest costs on borrowed money); however, debt typically ensures greater generational equity for larger and longer lasting capital projects (by contributing to annual debt payments, new customers who connect to the system help pay for the infrastructure that was installed prior to their arrival, but still benefits them).

Broomfield, as is typical for a public utility, operates its utilities on a “cash basis”. Under the “cash basis” approach, revenues and expenses are recognized at the time physical cash is received or paid out. Revenue requirements are determined for a specified period of time (in the case of Broomfield an annual calendar year), by summing the total anticipated expenses to be paid out during the year. Where cash flows and balances are insufficient, the revenue requirements analysis recommends additional cash flows to meet all funding goals. The three primary categories of expenses are as follows:

- Operations and Maintenance (O&M) expenses, such as salaries and benefits of utility personnel, and reserves;
- Annual debt service payment obligations for past borrowings; and
- Capital expenses, such as the annual capital improvement program.

Financial Planning

When developing revenue requirements, certain parameters are utilized to project future expenditures, growth in customers and consumption, and necessary revenue adjustments. Broomfield’s budget documents are used as the baseline, which are then projected over a planning horizon to account for fluctuations in costs from year to year. Growth assumptions and prudent financial planning are fundamental in ensuring adequate rate revenue to promote financial stability. The financial model developed for this study considers the operating cash balances as well (cash on hand).

3.4 Financial Management Goals of Broomfield

Establishing specific financial management goals of a utility is a key step in developing financial plans which will ensure the financial health of the utility remains strong. The financial management goals of Broomfield are described below.

3.4.1 Cash Reserve Targets and Debt Service Coverage

In order to maintain financially stable and sustainable utilities, a cash reserve target has been identified as part of the financial plans. The reserve target is identified in Table 3-1.

Table 3-1 Reserve Target and Debt Service Coverage		
Reserve	Purpose	Minimum Balance
Operating Reserves	Manage timing differences between revenue receipt and expense payments	180 days of annual O&M
Debt Service Coverage	Provides assurances to debt holders that debt obligations will be repaid	Net revenues equal to 1.20 times annual debt service

The operating reserves are intended to provide available funds to mitigate the timing differences between revenues received from customers and for operating expense payments (salaries, supplies, uniforms, etc.).

It is not essential that Broomfield meet the reserve target on an annual basis (it is not legal requirement). Prudent financial planning suggests that Broomfield should strive to maintain the reserve target and should not dip below the minimum balances on a continuous basis. Maintaining adequate reserves improves the creditworthiness in the eyes of creditor and rating agencies and can lead to lower interest rates on future debt issuances. The cash balances are presented in Tables 4-4 through 4-6 of Section 4.1.7.3.

For outstanding debt (within both the water and sewer utilities), a debt service coverage ratio of 1.20 times is legally required to be met on an annual basis. The debt service coverage is calculated by dividing net operating revenues (revenue less operations and maintenance expenses) by annual debt service.

Section 4 – Financial Plan Development and Results

4.1 Revenue Sufficiency Analysis

4.1.1 General Methodology

The Revenue Sufficiency Analysis identified the revenue requirements of the systems, such as operating expenses, capital expenses (minor and major), and maintaining reserves at appropriate levels. These revenue requirements were then compared to each respective utility’s total sources of funds during each year of the forecast period to determine the adequacy of projected revenues to meet requirements. To the extent that the existing revenue stream is not sufficient to meet the annual revenue requirements of the system, a series of rate revenue increases are calculated which, if implemented, would provide revenue sufficient to meet those needs.

Figure 4-1 provides an illustration of the financial planning process.

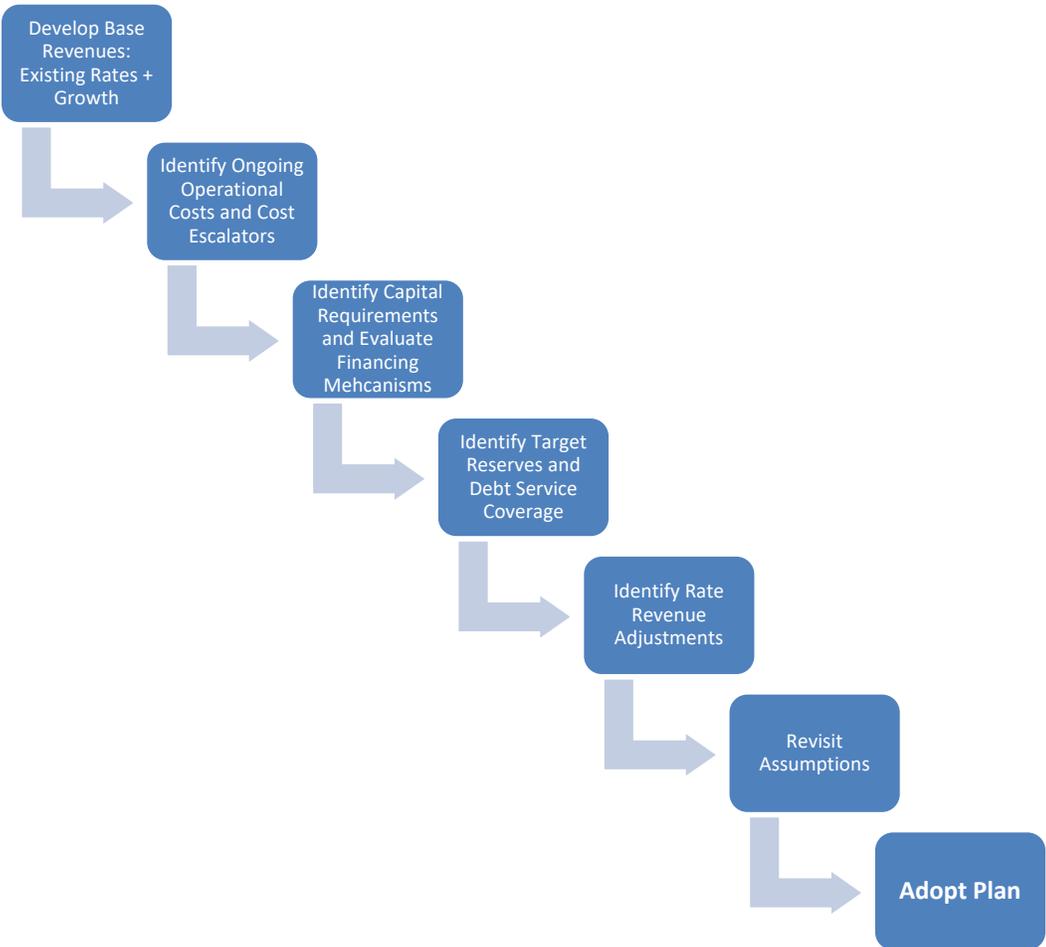


Figure 1 – Financial Planning Process

4.1.2 Data Items

Key data items reviewed, discussed and incorporated into the Revenue Sufficiency Analysis were:

- Financial management goals of Broomfield;
- 2022 beginning of year fund balances;
- 2022 adopted budgets;
- Capital improvement needs based on Broomfield’s plans;
- General assumptions related to:
 - Customer growth;
 - Cost escalation factors;

A discussion of the use of each of the above data items is presented below.

4.1.3 Beginning of Year Cash Balance - 2022

To better understand the available funds the water, sewer and reclaimed water funds respectively had on hand to start the forecast period, a detailed review of the preliminary cash balance as of the beginning of 2022 was conducted and discussed with Broomfield staff. A summary of the fund balances associated with the Enterprise funds for the beginning of 2022, as for use in this analysis, is presented in Table 4-1 below.

Table 4-1			
Beginning Fund Balance			
Fiscal Year Beginning January 1, 2022			
Description	Water	Sewer	Reclaimed Water
Cash Balance – Operating	\$4,631,702	\$9,433,739	\$9,148,744
Cash Balance – Capital	<u>58,696,953</u>	<u>55,242,998</u>	<u>(7,370,322)</u>
Cash Balance – Total	\$63,328,655	\$64,676,737	\$1,778,422

4.1.4 Budget - 2022

Staff provided Willdan with the 2022 Adopted Budget as the basis for the financial projections for the forecast period. The projected expenses for 2022 were used as the basis for the projection of future budgetary line-items for the remainder of the forecast period.

Cost escalation factors were reviewed by staff and were used to project increases in costs beyond the 2022 budget.

A summary of the 2022 budget, and subsequent 5-year projected budgetary expenses is presented below in Table 4-2. The full ten-year forecast can be found in Appendices A through C.

Table 4-2						
Operating Budgets ⁽¹⁾						
Years Ending December 31						
Description	2022	2023	2024	2025	2026	2027
Water O&M						
Water Supply	\$5,368,615	\$5,446,726	\$5,529,731	\$5,612,956	\$5,701,975	\$5,792,107
Water Treatment Plant	9,536,906	9,823,015	10,117,709	10,421,242	10,733,881	11,055,896
Water System Ops/Mtce	2,005,577	2,065,748	2,217,721	2,191,553	2,257,300	2,325,020
Environmental Monitoring	1,068,251	1,100,302	1,133,313	1,167,310	1,202,330	1,238,399
Gwr Water Protection	48,266	49,715	51,207	52,743	54,325	55,953
Utility Billing	586,859	604,467	622,599	641,278	660,519	680,335
Misc. Water Expenditures	<u>485,074</u>	<u>499,625</u>	<u>514,612</u>	<u>530,050</u>	<u>545,950</u>	<u>562,329</u>
Total Water	\$19,099,548	\$19,589,598	\$20,096,892	\$20,617,132	\$21,156,280	\$27,170,039
Sewer O&M						
Sewer Treatment Plant	\$3,444,222	\$3,547,551	\$3,653,979	\$3,763,601	\$3,876,510	\$3,992,806
Industrial Pretreatment	235,763	242,835	250,120	257,263	265,352	273,314
Sewer System Ops/Mtce	1,272,642	1,310,822	1,350,145	1,390,647	1,432,365	1,475,336
Laboratory Operations	597,306	615,225	633,679	652,691	672,269	692,436
Sewer Stormwater	335,176	345,231	355,587	366,256	377,245	388,562
Sewer Stormwater O&M	349,206	359,682	370,471	381,585	393,032	404,822
Sewer Stormwater Envr Svcs	186,735	192,338	198,110	204,055	210,176	216,482
Utility Billing	195,432	201,297	207,337	213,558	219,964	226,562
Misc Sewer Expenditures	<u>383,125</u>	<u>394,619</u>	<u>406,458</u>	<u>418,652</u>	<u>431,212</u>	<u>441,148</u>
Total Sewer	\$6,999,607	\$7,209,600	\$7,425,886	\$7,648,668	\$7,878,125	\$8,114,468
Reclaimed Water O&M						
Water Reclamation Resources and Planning	\$472,966	\$487,157	\$501,773	\$516,825	\$532,330	\$548,298
Water Reclamation Supply	155,935	160,614	165,430	170,392	175,504	180,768
Water Reclamation Treatment	192,662	198,442	204,396	210,528	216,845	223,352
Water Reclamations Ops/Mtce	54,083	55,707	57,379	59,100	60,873	62,699
Water Reclamation Lab Ops	36,605	37,703	38,835	39,999	41,200	42,436
Misc Reclaim Expenditures	<u>6,287</u>	<u>6,476</u>	<u>6,670</u>	<u>6,870</u>	<u>7,076</u>	<u>7,288</u>
Total Water Reclamation	\$918,538	\$946,099	\$974,483	\$1,003,714	\$1,033,828	\$1,064,841

(1) The full line-item detail can be found in appendices A-4 through A-10, B-4 through B-12, and C-4 through C-7.

4.1.5 Capital Improvements Plan (CIP)

Broomfield provided Willdan with a forecast of capital requirements for the study period. Given the current inflationary environment the capital project costs have been escalated by 9% for the next three years followed by a 3% inflationary factor for subsequent years. The water CIP (both growth and non-growth) for 2022 through 2032 totals \$124.8 million. The sewer CIP (growth and non-growth) for 2022 through 2032 totals \$204.0 million. The reclaimed water CIP (growth and non-growth) for 2022 through 2032 totals \$59.6 million. A summary table of the CIP for the budget plus the five-year (2023 through 2027) forecast period is presented below in Table 4-3. The full ten-year project specific CIP is presented in Schedules A-11, B-13 and C-8, in the Appendices.

Table 4-3 Capital Improvement Plan ⁽¹⁾ Years Ending December 31 (\$ thousands)							
Utility	2022	2023	2024	2025	2026	2027	Total
Water – Growth	\$22,889	\$51,267	\$9,530	\$4,532	\$4,028	\$25,029	\$117,636
Water – Non-Growth	<u>1,338</u>	<u>1,273</u>	<u>558</u>	<u>1,499</u>	<u>924</u>	<u>1,463</u>	<u>7,114</u>
Water – Total	24,287	52,900	10,088	6,031	4,952	26,492	124,750
Sewer – Growth	\$7,646	\$855	\$7,726	\$57,473	\$14,151	\$52,776	\$140,627
Sewer - Non-Growth	<u>7,878</u>	<u>7,098</u>	<u>3,541</u>	<u>2,632</u>	<u>12,050</u>	<u>30,132</u>	<u>63,331</u>
Sewer – Total	15,524	7,953	11,267	60,105	26,201	82,908	203,959
Reclaimed Water – Growth	\$5,737	\$10,000	\$1,600	\$0	\$0	\$30,660	\$47,997
Reclaimed Water – Non-Growth	<u>1,141</u>	<u>498</u>	<u>2,224</u>	<u>6,962</u>	<u>379</u>	<u>391</u>	<u>11,596</u>
Reclaimed Water – Total	6,878	10,498	3,824	6,962	379	31,051	59,593

(1) The full capital improvement plans can be found in Appendices A-11, B-13 and C-8.
Note: Values are rounded to the nearest \$1,000

4.1.6 Existing and Proposed Debt

Broomfield currently has outstanding debt within both the water and sewer utilities. A debt service coverage ratio of 1.20 times is legally required to be met on an annual basis. The debt service coverage is calculated by dividing net operating revenues (revenue less operations and maintenance expenses) by annual debt service. Annual water debt service is an average of \$8.7 million over the next ten years. The annual sewer debt service is \$2.5 million a year.

The financial plan anticipates 2 new debt issuances for the sewer utility. The first is a \$42.0 million revenue bond (30-year term, 4% interest and 2% issuance costs) in 2025 to fund a wastewater treatment plant expansion. The second debt issuance is an intra-fund loan between the sewer license fee subfund and the operations subfund. The loan is for \$8 million in 2023 and is proposed to be paid back interest free beginning in 2032. The loan is to fund the large capital needs in the 2022 through 2024 timeframe.

The reclaimed water license fee subfund is anticipated to issue a \$13.4 million revenue bond (30-year term, 4% interest and 2% issuance costs) in 2027 to fund the filtration building expansion as well as the North Broomfield/Highway 7 water rights projects. In addition to the anticipated bond issuance, an inter-fund loan of \$38.1 million between 2022 and 2027 from the water license fee subfund is anticipated to mitigate the existing negative cash balance for the reclaimed water license fee fund as well as the funding of expansion related capital projects. Repayment to the water license fee subfund is anticipated to begin in 2028, but may be accelerated or deferred depending upon new connections to the reclaimed water system.

4.1.7 General Assumptions

In order to develop the financial and rate projections, certain assumptions were made with regard to elements of the revenue sufficiency analysis. A summary of those assumptions is presented below.

4.1.7.1. System Growth

Broomfield anticipates an average population growth of approximately 4.0% per year between 2023 and 2025 followed by anticipated growth of 2.47% per year for subsequent years. It is anticipated that the population growth will translate to equivalent system growth. In other words, a 4.0% increase in population is assumed to translate into a 4.0% increase in water and sewer system revenues. Reclaimed customers are assumed to grow at an annual rate of 2.47% per year for all years of the study period.

4.1.7.2. O&M Escalation Factors

Willdan worked with Broomfield staff to identify reasonable cost escalation factors to be applied to operations and maintenance expenses in recognition of increasing costs over time. It was determined that a 3.0% inflationary factor represented a reasonable estimate of annual cost increases for O&M costs during the study period.

4.1.7.3. Results of the Revenue Sufficiency Analysis

After a thorough review of the above-mentioned data elements, a draft of the Revenue Sufficiency Analysis was developed and reviewed with Broomfield staff. This draft provided the forum in which various alternative assumptions were discussed (growth projections, timing of capital projects, etc.), tested and evaluated for both their reasonableness and their impact upon the ultimate financial health of the utility.

The resulting financial plan presented herein is the embodiment of the data, assumptions, and review process undertaken with Broomfield staff through the course of several conversations. Tables 4-4 through 4-6 provide a summary of the annual revenue requirements (O&M, CIP and debt service) for the utilities incorporating the assumptions in Section 4.1 of this report as compared to the revenues under existing rates, license fees and system growth.

Table 4-4
Revenue Requirements vs. Revenue Under Existing Water Rates and License Fees
 Years Ending December 31 (\$ thousands)

	Budget	Projected				
	2022	2023	2024	2025	2026	2027
Operations						
Beginning Cash Balance	\$4,632	\$2,142	(\$32)	(\$1,655)	(\$3,945)	(\$5,492)
Revenue Under Existing Rates	19,478	20,210	20,607	21,455	22,219	22,816
Less: O&M	19,100	19,590	20,097	20,617	21,156	21,710
Less: Capital Outlay	1,470	1,522	1,575	1,629	1,686	1,745
Less: Cash Funded Capital	<u>1,398</u>	<u>1,272</u>	<u>558</u>	<u>1,499</u>	<u>924</u>	<u>1,463</u>
Total Expenditures	<u>21,968</u>	<u>22,384</u>	<u>22,230</u>	<u>23,746</u>	<u>23,767</u>	<u>24,918</u>
Net Cashflow	(2,490)	(2,174)	(1,623)	(2,290)	(1,547)	(2,102)
Ending Cash Balance	\$2,142	(\$32)	(\$1,655)	(\$3,945)	(\$5,492)	(\$7,594)
Days Cash on Hand	41	(1)	(30)	(70)	(95)	(128)
Target Days Cash on Hand	180	180	180	180	180	180
Debt Service Coverage ⁽¹⁾	2.95	7.16	7.43	7.76	3.51	3.57
Target Debt Service Coverage	1.20	1.20	1.20	1.20	1.20	1.20
License Fees						
Beginning Cash Balance	\$58,697	\$39,857	\$32,159	\$77,421	\$130,844	\$147,579
Revenue Under Existing Fees	25,244	61,622	64,087	66,650	29,459	29,960
Less: Debt Service	8,695	8,693	8,695	8,694	8,696	8,694
Less: Loan to Reclaimed Water License Fee Subfund	12,500	9,000	600	0	0	16,000
Less: Cash Funded Capital	<u>22,889</u>	<u>51,627</u>	<u>9,530</u>	<u>4,532</u>	<u>4,028</u>	<u>25,029</u>
Net Cashflow	(18,840)	(7,699)	45,262	53,423	16,735	(19,763)
Ending Cash Balance	\$39,857	\$32,159	\$77,421	\$130,844	\$147,579	\$127,816
(1) Includes both operating and license fee revenues						
Note: Values are rounded to the nearest \$1,000						

Table 4-5
Revenue Requirements vs. Revenue Under Existing Sewer Rates and License Fees
 Years Ending December 31 (\$ thousands)

	Budget	Projected				
	2022	2023	2024	2025	2026	2027
Operations						
Beginning Cash Balance	\$9,434	\$2,339	\$4,174	\$2,009	\$63	(\$1,425)
Revenue Under Existing Rates	11,437	11,848	12,561	13,231	13,260	13,545
Plus: Loan From License Fees	0	8,000	0	0	0	0
Less: O&M	7,000	7,210	7,426	7,649	7,878	8,114
Less: Capital Outlay	1,225	1,268	1,313	1,359	1,406	1,455
Less: Debt Service	2,430	2,437	2,445	4,885	4,888	4,902
Less: Cash Funded Capital	<u>7,878</u>	<u>7,098</u>	<u>3,542</u>	<u>1,285</u>	<u>575</u>	<u>1,730</u>
Total Expenditures	<u>18,553</u>	<u>10,013</u>	<u>14,725</u>	<u>15,177</u>	<u>14,748</u>	<u>16,201</u>
Net Cashflow	(7,095)	1,835	(2,165)	(1,946)	(1,488)	(2,656)
Ending Cash Balance	\$2,339	\$4,174	\$2,009	\$63	(\$1,425)	(\$4,082)
Days Cash on Hand	122	211	99	3	(66)	(184)
Target Days Cash on Hand	180	180	180	180	180	180
Debt Service Coverage ⁽¹⁾	1.83	1.90	2.10	1.14	1.10	1.11
Target Debt Service Coverage	1.20	1.20	1.20	1.20	1.20	1.20
License Fees						
Beginning Cash Balance	\$55,243	\$69,446	\$91,797	\$116,526	\$92,805	\$93,573
Revenue Under Existing Fees	21,849	31,206	32,454	33,752	14,919	15,172
Less: Cash Funded Capital	7,646	855	7,726	57,473	14,151	52,776
Less: Loan to Operations	<u>0</u>	<u>8,000</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Net Cashflow	<u>14,203</u>	<u>22,351</u>	<u>24,729</u>	<u>(23,721)</u>	<u>768</u>	<u>(37,604)</u>
Ending Cash Balance	\$69,446	\$91,797	\$116,526	\$92,805	\$93,573	\$55,969
(1) Includes both operating and license fee revenues						
Note: Values are rounded to the nearest \$1,000						

Table 4-6
Revenue Requirements vs. Revenue Under Existing Reclaimed Water Rates and License Fees
 Years Ending December 31 (\$ thousands)

	Budget	Projected				
	2022	2023	2024	2025	2026	2027
Operations						
Beginning Cash Balance	\$9,149	\$8,755	\$9,013	\$7,483	\$1,214	\$1,510
Revenue Under Existing Rates	1,752	1,791	1,761	1,793	1,808	1,856
Less: O&M	919	946	974	1,004	1,034	1,065
Less: Capital Outlay	86	89	92	96	99	102
Less: Cash Funded Capital	<u>1,141</u>	<u>498</u>	<u>2,224</u>	<u>6,962</u>	<u>379</u>	<u>391</u>
Total Expenditures	<u>2,146</u>	<u>1,533</u>	<u>3,291</u>	<u>8,062</u>	<u>1,512</u>	<u>1,558</u>
Net Cashflow	(394)	257	(1,530)	(6,268)	296	298
Ending Cash Balance	\$8,755	\$9,013	\$7,483	\$1,214	\$1,510	\$1,808
Days Cash on Hand	3,479	3,477	2,803	441	533	620
Target Days Cash on Hand	180	180	180	180	180	180
Debt Service Coverage ⁽¹⁾	n/a	n/a	n/a	n/a	n/a	1.81
Target Debt Service Coverage	1.20	1.20	1.20	1.20	1.20	1.20
License Fees						
Beginning Cash Balance	(\$7,370)	\$179	\$37	(\$91)	\$796	\$1,698
Revenue Under Existing Fees	796	858	872	887	902	918
Add: Loan from Water License Fee Subfund	12,500	9,000	600	0	0	16,000
Less: Cash Funded Capital	5,737	10,000	1,600	0	0	13,284
Less: Debt Service	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>1,208</u>
Net Cashflow	<u>7,549</u>	<u>(142)</u>	<u>(128)</u>	<u>887</u>	<u>902</u>	<u>(1,504)</u>
Ending Cash Balance	\$179	\$37	(\$91)	\$796	\$1,698	\$194
(1) Includes both operating and license fee revenues						
Note: Values are rounded to the nearest \$1,000						

The revenues and expenditures identified in Tables 4-4 through 4-6, represent revenues under existing rates and system growth compared to current and projected expenditures. As noted in the tables, revenue increases resulting from system growth alone are not sufficient to meet expected increases in ongoing expenses through 2027. This is in part because, revenues are projected to increase by an average of 3.4% per year (over the next 5 years) due to new connections, while O&M expenses (overall) are projected to increase by approximately 3% a year and capital costs (CIP) are growing by 9% per year for the next three years. It is also worth noting that both the water and sewer utilities have significant capital needs over the next three years.

4.1.7.4. Rate Revenue Increases Required

Our analysis indicates that there will be sufficient revenue and fund balance in 2022 such that rate revenue increases will not be necessary for the current year. However, our analysis of the water and sewer utilities indicate that, assuming all capital expenditures occur as projected, there will not be sufficient operating revenue to fund ongoing planned capital improvements throughout the study period. Therefore, we recommend increases in rates each year (2023 through 2027) for the water and sewer utilities in order to maintain pace with increasing operating costs, fund capital needs, and maintain adequate reserve fund balances. No rate revenue increases are projected for the reclaimed water utility.

Table 4-7 below reflects our projections of revenue increases required during the forecast period in order for Broomfield to keep pace with its ongoing operational and system costs. It is worth noting that the revenue increase projections in Table 4-7 are below the current consumer price index rate of 8.3% (through May of 2022).

Table 4-7 Proposed Rate Revenue Increases Years Ending December 31			
Description	Water Rate Revenue Increases	Sewer Rate Revenue Increases	Reclaimed Water Rate Revenue Increases
2023	5.0%	5.0%	0.0%
2024	3.0%	4.0%	0.0%
2025	2.0%	4.0%	0.0%
2026	2.0%	3.0%	0.0%
2027	2.0%	3.0%	0.0%
2028	2.0%	2.0%	0.0%
2029	2.0%	2.0%	0.0%
2030	2.0%	2.0%	0.0%
2031	2.0%	2.0%	0.0%
2032	2.0%	2.0%	0.0%

The proposed increases should be evaluated on an annual basis as the utility’s finances change to determine if the proposed increases are still required or appropriate. A more detailed presentation of the pro forma, including a fund balance reconciliation is presented in Schedules A-1, B-1 and C-1 of the appendices. It should be noted that Table 4-7 represents the additional “rate revenue” needs for each utility. In other words, the additional revenue each utility needs to generate on an annual basis to meet operating costs. It does not

necessarily equate to a corresponding rate increase to customers. For example, a 5% water revenue increase in 2023 does not necessarily mean that all customers will see a 5% increase in their monthly bill. Bill impacts are specific to each customer based on their respective meter size and monthly water use. The recovery of revenue increases from customers is detailed in Section 5 – Cost-of-Service and Rate Design Analysis.

4.1.7.5. Summary of Revenue Sufficiency Analysis

The proposed financial plans, including recommended revenue adjustments are presented in Tables 4-8 through 4-10, which provide for funding of projected revenue requirements during the forecast period.

A more detailed presentation of the financial plans, including fund balance reconciliations is presented in Schedules A-1 through A-2, B-1 through B-2 and C-1 through C-2 of the appendices.

Table 4-8
Revenue Requirements vs. Revenue Under Proposed Water Rates and License Fees ⁽¹⁾
 Years Ending December 31 (\$ thousands)

	Budget	Projected				
	2022	2023	2024	2025	2026	2027
Operations						
Beginning Cash Balance	\$4,632	\$2,142	\$920	\$1,172	\$1,276	\$2,790
Revenue Under Proposed Rates	19,478	21,161	22,482	23,850	25,281	26,505
Less: O&M	19,100	19,590	20,097	20,617	21,156	21,710
Less: Capital Outlay	1,470	1,522	1,575	1,629	1,686	1,745
Less: Cash Funded Capital	<u>1,398</u>	<u>1,272</u>	<u>558</u>	<u>1,499</u>	<u>924</u>	<u>1,463</u>
Total Expenditures	<u>21,968</u>	<u>22,384</u>	<u>22,230</u>	<u>23,746</u>	<u>23,767</u>	<u>24,918</u>
Net Cashflow	(2,490)	(1,223)	252	105	1,514	1,587
Ending Cash Balance	\$2,142	\$920	\$1,172	\$1,276	\$2,790	\$4,377
Days Cash on Hand	41	17	21	23	48	74
Target Days Cash on Hand	180	180	180	180	180	180
Debt Service Coverage ⁽²⁾	2.95	10.18	10.68	11.19	5.26	5.41
Target Debt Service Coverage	1.20	1.20	1.20	1.20	1.20	1.20
License Fees						
Beginning Cash Balance	\$58,697	\$39,857	\$57,503	\$129,123	\$209,959	\$238,811
Revenue Under Proposed Fees	25,244	86,966	90,445	94,063	41,576	42,283
Less: Debt Service	8,695	8,693	8,695	8,694	8,696	8,694
Less: Loan to Reclaimed Water License Fee Subfund	(12,500)	(9,000)	(600)	0	0	(16,000)
Less: Cash Funded Capital	<u>22,889</u>	<u>51,627</u>	<u>9,530</u>	<u>4,532</u>	<u>4,028</u>	<u>25,029</u>
Net Cashflow	(18,840)	17,646	71,620	80,836	28,852	(7,441)
Ending Cash Balance	\$39,857	\$57,503	\$129,123	\$209,959	\$238,811	\$231,370
(1) Full detail can be found in Appendices A-1 and A-2						
(2) Includes both operating and license fee revenues						
Note: Values are rounded to the nearest \$1,000						

Table 4-8 indicates the operating fund maintains a positive cash balance in all years but does fall below the target of 180 days. However, if the license fee subfund balance is taken into consideration, the combined fund balance for the water enterprise exceeds the 180-day coverage target in all years. The proposed rates also show the elimination of deficit spending (expenses exceeding revenues) for operations beginning in 2024. The second target that was identified in the study was the debt service coverage ratio of 1.20 times, which is met in all years. The license fee subfund balance is anticipated to be used to fund future year capital projects.

Table 4-9

Revenue Requirements vs. Revenue Under Proposed Sewer Rates and License Fees ⁽¹⁾
 Years Ending December 31 (\$ thousands)

	Budget	Projected				
	2022	2023	2024	2025	2026	2027
Operations						
Beginning Cash Balance	\$9,434	\$2,339	\$4,568	\$3,206	\$2,518	\$2,676
Revenue Under Proposed Rates	11,437	12,243	13,363	14,490	14,905	15,579
Plus: Loan From License Fees	0	8,000	0	0	0	0
Less: O&M	7,000	7,210	7,426	7,649	7,878	8,114
Less: Capital Outlay	1,225	1,268	1,313	1,359	1,406	1,455
Less: Debt Service	2,430	2,437	2,445	4,885	4,888	4,902
Less: Cash Funded Capital	<u>7,878</u>	<u>7,098</u>	<u>3,542</u>	<u>1,285</u>	<u>575</u>	<u>1,730</u>
Total Expenditures	<u>18,553</u>	<u>10,013</u>	<u>14,725</u>	<u>15,177</u>	<u>14,748</u>	<u>16,201</u>
Net Cashflow	(7,095)	2,230	(1,362)	(687)	157	(623)
Ending Cash Balance	\$2,339	\$4,568	\$3,206	\$2,518	\$2,676	\$2,053
Days Cash on Hand	122	231	158	120	124	92
Target Days Cash on Hand	180	180	180	180	180	180
Debt Service Coverage ⁽²⁾	1.83	2.07	2.43	1.40	1.44	1.52
Target Debt Service Coverage	1.20	1.20	1.20	1.20	1.20	1.20
License Fees						
Beginning Cash Balance	\$55,243	\$69,446	\$96,173	\$125,452	\$106,464	\$109,324
Revenue Under Proposed Fees	21,849	35,582	37,005	38,485	17,010	17,300
Less: Cash Funded Capital	7,646	855	7,726	57,473	14,151	52,776
Less: Loan to Operations	<u>0</u>	<u>8,000</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Net Cashflow	<u>14,203</u>	<u>26,727</u>	<u>29,279</u>	(18,988)	<u>2,860</u>	(35,477)
Ending Cash Balance	\$69,446	\$96,173	\$125,452	\$106,464	\$109,324	\$73,847
(1) Full detail can be found in Appendices B-1 and B-2 (2) Includes both operating and license fee revenues Note: Values are rounded to the nearest \$1,000						

Table 4-9 indicates the operating fund maintains a positive cash balance in all years, but the reserve target fluctuates from year to year and does fall below the target of 180 days. When the license fee subfund balance is taken into consideration, the fund balance for the sewer enterprise as a whole exceeds the 180 day coverage target in all years. Even with the addition of \$42 million in new debt, a debt service coverage ratio of 1.20 times is exceeded in all years.

Table 4-10						
Revenue Requirements vs. Revenue Under Proposed Reclaimed Water Rates and License Fees ⁽¹⁾						
Years Ending December 31 (\$ thousands)						
	Budget	Projected				
	2022	2023	2024	2025	2026	2027
Operations						
Beginning Cash Balance	\$9,149	\$8,755	\$9,013	\$7,483	\$1,215	\$1,511
Revenue Under Proposed Rates	1,752	1,791	1,761	1,794	1,808	1,857
Less: O&M	919	946	974	1,004	1,034	1,065
Less: Capital Outlay	86	89	92	96	99	102
Less: Cash Funded Capital	<u>1,141</u>	<u>498</u>	<u>2,224</u>	<u>6,962</u>	<u>379</u>	<u>391</u>
Total Expenditures	<u>2,146</u>	<u>1,533</u>	<u>3,291</u>	<u>8,062</u>	<u>1,512</u>	<u>1,558</u>
Net Cashflow	(394)	257	(1,530)	(6,268)	296	299
Ending Cash Balance	\$8,755	\$9,013	\$7,483	\$1,215	\$1,511	\$1,811
Days Cash on Hand	3,479	3,477	2,803	442	534	621
Target Days Cash on Hand	180	180	180	180	180	180
Debt Service Coverage ⁽²⁾	n/a	n/a	n/a	n/a	n/a	1.87
Target Debt Service Coverage	1.20	1.20	1.20	1.20	1.20	1.20
License Fees						
Beginning Cash Balance	(\$7,370)	\$179	\$94	\$24	\$970	\$1,932
Revenue Under Proposed Fees	786	916	930	946	962	978
Add: Loan from Water License Fee Subfund	12,500	9,000	600	0	0	16,000
Less: Cash Funded Capital	5,737	10,000	1,600	0	0	17,476
Less: Debt Service	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>946</u>
Net Cashflow	<u>7,549</u>	<u>(84)</u>	<u>(70)</u>	<u>946</u>	<u>962</u>	<u>(1,444)</u>
Ending Cash Balance	\$179	\$94	\$24	\$970	\$1,932	\$488
(1) Full detail can be found in Appendices C-1 and C-2						
(2) Includes both operating and license fee revenues						
Note: Values are rounded to the nearest \$1,000						

As summarized in Table 4-10, the operating fund maintains a positive cash balance in all years and exceeds the reserve target of 180 days. The operating fund balance is used to meet expenses in 2024 and 2025, but rebounds in the following year. The license fee subfund balance, with assistance from loans from the water license fee subfund and a proposed \$17 million bond issuance, achieves a positive license fee balance through the current and subsequent 5-year period. The debt service coverage ratio of 1.20 is exceeded under the proposed financial plan. The license fee subfund balance is anticipated to be used to fund future year capital projects.

4.1.7.6. Revenue Sufficiency Analysis Conclusions

Based on the revenue requirements identified in our analysis, it is our opinion that:

- Under existing rates, the water and sewer funds will not generate sufficient revenues to meet the revenue requirements. Water and sewer rate revenue increases may be needed for 2023 through 2027;
- Rate revenue adjustments are needed in order to keep pace with increasing O&M and capital costs; and
- The proposed rate revenue increases identified in Table 4-7 in conjunction with new debt issuances and both inter and intra fund loans are needed to maintain the financial integrity of the three utilities.

Section 5 – Cost-of-Service and Rate Design Analysis

5.1 Cost-of-Service Analysis

5.2.1 General Methodology

Rate design goals were reviewed and identified with Broomfield in order to make sure that the rate design goals of the Rate Study were addressed over the forecast period. Next, an assessment of the existing rate design was completed to identify areas which have worked well for Broomfield with regard to their specific goals and objectives, and the general goals and objectives of utility rate-making. In addition to Broomfield’s specific goals (water conservation), rate design should seek to achieve the following industry standard objectives:

- Generate a stable rate revenue stream which, when combined with other sources of funds, is sufficient to meet the financial requirements and goals of the utility;
- Be fair and equitable – that is, they should generate revenue from customer classes which is reasonably in proportion to the cost to provide service to that customer class;
- Be easy to understand by customers;
- Be easy to administer by the utility; and
- Adhere to cost-of-service principles, whereby the rates must be based upon the proportionate cost of providing water, sewer and reclaimed water service.

5.2.2.1. Allocation to Functional Cost Categories

Water costs are allocated to functional cost categories based on their need to meet base demand, peak demand (max day and max hour water needs), as well as customer service costs such as meters and services.

Broomfield’s functionalized costs were then further allocated based on the Base-Extra Capacity Method, as presented in the AWWA M1 Manual of Practice. Base demand costs are related to the quantity of water used during average load conditions. Extra capacity costs on the other hand, are related to water use above average demand. It would be much simpler and efficient to design a water system if water demand (use) occurred at the same level every hour of everyday year-round. Water systems, however, must be designed to meet “peak” water demands in the morning when people are getting ready for work and school, and at the end of the day when people are making dinner, doing laundry, etc. The system also must be designed to meet summer demand peaks for irrigation, filling pools and other outdoor uses. Sizing the water system (pipes and storage) to meet peak demand results in inefficiencies in the system, as there are significant periods during

the day and year where the extra system capacity is idle and not being used. The Base-Extra capacity method takes the inefficiencies into account and seeks to assign the costs of extra capacity to the customers who require the peak demands being placed on the water system.

The Base-Extra Capacity method results in the allocation of functionalized costs in a manner consistent with the functional reality behind each type of cost. For instance, transmission costs are related to not only a base, (or average), level of water flow, but are also related to the fact that transmission assets are typically sized to meet maximum day and maximum hour demands. Therefore, some portion of transmission costs should be allocated to the base component, and further to the extra capacity component (max day and max hour). Table 5-1 below presents the results of the Base-extra Capacity method.

Table 5-1						
Water System - Summary of Functional Allocations to Cost Categories ⁽¹⁾						
Test Year 2023						
Functional Cost	Base	Max Day	Max Hour	Meters & Services	Fire Service	Total
Treatment	\$4,936,365	\$4,936,365	\$0	\$0	\$0	\$9,872,730
Transmission & Distribution	705,337	705,337	705,338	0	0	2,116,012
Admin	0	0	0	1,653,296	551,098	2,204,394
Source of Supply	5,446,726	0	0	0	0	5,446,726
Transfers	485,549	0	0	985,813	0	1,471,362
Debt Service	1,564,821	0	0	7,128,629	0	8,693,450
CIP	419,914	0	0	852,522	0	1,272,466
Non-Operating Revenue/Changes in Reserves ⁽²⁾	<u>(4,843,856)</u>	<u>(2,015,501)</u>	<u>(251,982)</u>	<u>(3,794,103)</u>	<u>(196,880)</u>	<u>(11,102,322)</u>
Total	\$8,714,856	\$3,626,201	\$453,356	\$6,826,187	\$354,218	\$19,974,818
Units (kgals/ERUs)	<u>4,144,547</u>	<u>14,244</u>	<u>12,799</u>	<u>477,080</u>	<u>137,776</u>	
Cost per Unit	\$2.1027	\$254.5759	\$35.4198	\$14.3083	\$2.5710	
(1) The allocation of costs can be found in Appendix D-6						
(2) A positive value results in an increase of reserves through rates, while a negative value indicates use of non-operating revenue and existing reserves to meet annual expenses in addition to rates.						

Table 5-1 illustrates the allocation of costs to functional components necessary to provide water service to customers. Total costs are allocated to functional categories such as treatment or transmission and distribution and then to cost categories such as base or max day.

Reclaimed water costs are allocated to functional cost categories based on their need to meet base demand, peak demand (max day and max hour water needs), as well as customer service costs such as billing and collection.

Table 5-2 below presents the results of the Base-extra Capacity method for reclaimed water.

Table 5-2 Reclaimed Water System - Summary of Functional Allocations to Cost Categories ⁽¹⁾ Test Year 2023					
Functional Cost	Base	Max Day	Max Hour	Meters & Services	Total
Treatment	\$392,743	\$392,742	\$0	\$0	\$785,485
Source of Supply	160,614	0	0	0	160,614
Transfers	66,871	0	0	22,290	89,161
CIP	316,412	0	0	181,718	498,130
Non-Operating Revenue/Changes in Reserves ⁽²⁾	<u>38,408</u>	<u>16,105</u>	<u>0</u>	<u>8,366</u>	<u>62,879</u>
Total	\$975,048	\$408,847	\$0	\$212,374	\$1,596,269
Units (kgals/ERUs)	<u>915,879</u>	<u>5,164.94</u>	<u>3,837.10</u>	<u>18,556</u>	
Cost per Unit	\$1.0646	\$79.1582	\$0	\$11.4450	
<p>(1) The allocation of costs can be found in Appendix E-6</p> <p>(2) A positive value results in an increase of reserves through rates, while a negative value indicates use of non-operating revenue and existing reserves to meet annual expenses in addition to rates.</p>					

5.2 Existing Rate Structures

The current water rate structure is comprised of a monthly base charge that increases based on meter size and differs between residential and nonresidential customers, as well as a uniform volume rate that is the same for all customers inside Broomfield boundaries. Accounts outside Broomfield’s service area are assessed 3 times the nonresidential monthly base charge and volume rates.

Sewer customers are assessed a flow rate based on their average winter consumption (AWC) established between November 1 and March 31. The charge assessed to customers is the greater of the flow rate per 1,000 gallons of AWC or a minimum charge per equivalent residential unit (ERU).

Reclaimed water customers are assessed a rate of 1/2 of the potable water monthly base charge and volume rates.

Existing rates are summarized in Table 5-3 through 5-5 below.

5.3 Proposed Water Rate Structure Changes

Through discussions with Broomfield staff, it was determined that improvements could be made to encourage conservation within the existing water rate structure. Rates have been adjusted such that all customer classes are assigned rates that are designed to recover their proportionate cost-of-service.

A new volumetric rate structure was developed for the inside City single family customer class, with new tier thresholds (water allotment by tier) and an incrementing unit price by tier with the goal of sending a conservation-oriented message to customers to curtail their water use. This represents a departure from the current rate structure where all water use is charged at the same uniform rate. Under the proposed rate structure, single family water use would be billed under three tiers. The first tier (0 to 5,000 gallons a month) represents an indoor water use allocation (showers, dishes, washing clothes, etc.). An allocation of 5,000 gallons a month is representative of average single family winter water use (a proxy for indoor water use). The second tier (5,000 gallons to 20,000 gallons a month) provides an allotment of water for discretionary or outdoor water use (irrigation, washing cars, etc.) and is assessed a higher rate per 1,000 gallons of water use within the tier. The third tier (monthly water use above 20,000 gallons) is assessed at the highest unit cost with the goal of incentivizing conservation.

Developing an equitable tiered rate structure for multifamily customers is difficult due to the variance in the number of units associated with a given account. For example, a tiered rate structure that is based on a 4-dwelling unit complex would penalize a complex with 20 dwelling units (assuming the same flows per dwelling unit), as the greater number of dwelling units would demand more water and the fees for water would be assessed at the highest tier. This same principle holds for outside City single family customers, where a varying number of dwelling units are being served by a single (master) meter. As such, these classes are recommended to continue to be assessed a uniform rate for water use, however, class specific rates have been developed for the classes based on their proportionate cost-of-service. The nonresidential customer class is also proposed to maintain a uniform rate (based on their specific cost-of-service). Nonresidential (commercial) customers are incentivized to keep their costs as low as possible in order to maximize profits and generally have less discretionary water use to be able to conserve. Construction meters are proposed to continue with a uniform rate structure (with rates specific to the class) while fire line customers are proposed to only be assessed a monthly fixed charge consistent with the current practice.

Table 5-3 illustrates the proposed water rates through 2027.

Table 5-3
Water Rates
Existing and 2023 through 2027

Meter Size/Customer Class	Existing	2023	2024	2025	2026	2027
Monthly Fixed Charges						
Single-Family 3/4-inch	\$10.47	\$14.31	\$14.74	\$15.03	\$15.33	\$15.64
Single Family 1-inch	27.78	23.85	24.56	25.05	25.55	26.07
Multifamily (per dwelling unit)	10.47	14.31	14.31	15.03	15.33	15.64
Nonresidential						
3/4-inch	13.91	14.31	14.74	15.03	15.33	15.64
1-inch	27.78	23.85	24.56	25.05	25.55	26.07
1 1/2-inch	55.60	47.69	49.13	50.11	51.11	52.13
2-inch	111.18	76.31	78.60	80.17	81.78	83.41
3-inch	250.17	143.08	147.38	150.32	153.33	156.40
4-inch	500.34	238.47	245.63	250.54	255.55	260.66
6-inch	1,306.52	476.94	491.25	501.08	511.10	521.32
8-inch	2,779.76	763.11	786.00	801.72	817.76	834.11
Fire Line						
2-inch	12.97	13.71	14.12	14.41	14.69	14.99
3-inch	25.95	25.71	26.48	27.01	27.55	28.10
4-inch	51.85	42.85	44.13	45.02	45.92	46.84
6-inch	97.32	85.70	88.27	90.04	91.84	93.67
8-inch	129.72	137.12	141.23	144.06	146.94	149.88
Construction						
3/4-inch	13.91	14.31	14.74	15.03	15.33	15.64
Outside Broomfield						
3/4-inch	27.82	28.62	29.48	30.06	30.67	31.28
1-inch	55.56	47.69	49.13	50.11	51.11	52.13
1 1/2-inch	111.20	95.39	98.25	100.22	102.22	104.26
2-inch	222.36	152.62	157.20	160.34	163.55	166.82
3-inch	500.34	286.17	294.75	300.65	306.66	312.79
4-inch	1,000.68	476.94	491.25	501.08	511.10	521.32
6-inch	2,613.04	953.88	982.50	1,002.15	1,022.19	1,042.64
8-inch	5,559.52	1,526.21	1,572.00	1,603.44	1,635.51	1,668.22
Volume Rates (\$/1,000 gallons)						
Single Family – 0 – 5,000 gallons	\$3.36	\$2.30	\$2.37	\$2.42	\$2.47	\$2.52
Single Family – 5,001 – 20,000 gallons	3.36	3.40	3.50	3.57	3.64	3.72
Single Family – > 20,000 gallons	3.36	4.62	4.75	4.85	4.95	5.04
Multifamily – All Use	3.36	2.44	2.51	2.56	2.61	2.66
Nonresidential – All Use	3.36	3.36	3.46	3.53	3.60	3.67
Construction – All Use	0.00	3.07	3.16	3.22	3.29	3.35
Outside Broomfield – All Use	6.72	3.11	3.21	3.27	3.34	3.40

5.4 Sewer Rate Structure

Willdan did not identify any issues with Broomfield’s existing sewer rate structure. Furthermore, through discussions with Broomfield staff it was determined that the existing sewer structure is effectively meeting Broomfield’s goals, is consistent with WEF rate making practices, is understood by customers, and is straightforward to administer with existing systems. As such, no changes to the overall structure of rates are recommended and existing sewer rates are proposed to be increased by the suggested annual rate revenue increases on January 1st of each year beginning January 1, 2023. The proposed sewer rates are illustrated in Table 5-4.

Table 5-4						
Sewer Rates						
Existing and 2023 through 2027						
Customer Class	Existing	2023	2024	2025	2026	2027
All Customers ⁽¹⁾	\$3.46 x AWC or 13.84 x ERU	\$3.63 x AWC or 14.52 x ERU	\$3.78 x AWC or 15.12 x ERU	\$3.93 x AWC or 15.72 x ERU	\$4.05 x AWC or 16.20 x ERU	\$4.17 x AWC or 16.68 x ERU
(1) Whichever is greater. Additional Federal Mandate Charge of \$0.52 per 1,000 gallons and Environmental Compliance Fee of \$4.00 per ERU also applies.						

5.5 Reclaimed Water Rate Structure Changes

While the current rates assessed to reclaimed water customers are 50% of the potable water rates, Willdan conducted a cost-of-service analysis to identify the cost of providing reclaimed water service to customers. The cost-based rates are summarized in Table 5-5.

Table 5-5
Reclaimed Water Rates
Existing and 2023 through 2027

Meter Size/Customer Class	Existing	2023	2024	2025	2026	2027
Monthly Fixed Charges						
3/4-inch	(1)	\$11.45	\$11.45	\$11.45	\$11.45	\$11.45
1-inch	(1)	19.08	19.08	19.08	19.08	19.08
1 1/2-inch	(1)	38.15	38.15	38.15	38.15	38.15
2-inch	(1)	61.04	61.04	61.04	61.04	61.04
3-inch	(1)	114.45	114.45	114.45	114.45	114.45
4-inch	(1)	190.75	190.75	190.75	190.75	190.75
6-inch	(1)	381.50	381.50	381.50	381.50	381.50
8-inch	(1)	610.40	610.40	610.40	610.40	610.40
Volume Rates (\$/1,000 gallons)						
All Use	(1)	1.51	1.51	1.51	1.51	1.51

(1) Current rates are 50% of potable monthly base charge and volume rate. Proposed rates reflect the projected cost of operating the reclaimed water system.

5.5 Sample Bill Impacts

The average single-family customer in Broomfield has a 3/4-inch meter and has monthly water and sewer flows of 6,000 gallons. Table 5-6 provides a comparison of the current and proposed monthly bills for an average customer as well as a low volume user (3,000 gallons of water and sewer flows a month) and higher volume user (25,000 gallons of water flows and 6,000 gallons of sewer flows a month).

**Table 5-6
Sample Customer Bill Comparison**

Description	Existing		2023		Diff.
	Water ⁽¹⁾	Total	Water ⁽¹⁾	Total	
Low Volume (3 kgals)	Base	\$10.47	Base	\$14.31	\$0.66
	3 kgals@	3.36	3 kgals@	2.30	
		\$20.55		\$21.21	
	Sewer ⁽²⁾		Sewer ⁽²⁾		
	3 kgals @ Federal Mandate	3.46	3 kgals @ Federal Mandate	3.63	
3 kgals @ Env Comp per ERU	0.52 4.00	3 kgals @ Env Comp per ERU	0.52 4.00	\$0.51	
	\$16.48		\$16.99	\$0.51	
	\$37.03		\$38.20	\$1.17	
	Combined Bill	\$37.03	Combined Bill	\$38.20	
Average Volume (6 kgals)	Water ⁽¹⁾	Total	Water ⁽¹⁾	Total	Diff.
	Base	\$10.47	Base	\$14.31	(\$1.42)
	6 kgals@	3.36	5 kgals@ 1 kgals@	2.30 3.40	
		\$30.63		\$29.21	
	Sewer ⁽²⁾		Sewer ⁽²⁾		
6 kgals @ Federal Mandate	3.46	6 kgals @ Federal Mandate	3.63		
6 kgals @ Env Comp per ERU	0.52 4.00	6 kgals @ Env Comp per ERU	0.52 4.00	\$1.02	
	\$27.88		\$28.90	\$1.02	
	\$58.51		\$58.11	(\$0.40)	
	Combined Bill	\$58.51	Combined Bill	\$58.11	
High Volume (25 kgals W 6 kgals S)	Water ⁽¹⁾	Total	Water ⁽¹⁾	Total	Diff.
	Base	\$10.47	Base	\$14.31	\$5.44
	25 kgals@	3.36	5 kgals@ 15 kgals@ 5 kgals@	2.30 3.40 4.62	
		\$94.47		\$99.91	
	Sewer ⁽²⁾		Sewer ⁽²⁾		
6 kgals @ Federal Mandate	3.46	6 kgals @ Federal Mandate	3.63		
6 kgals @ Env Comp per ERU	0.52 4.00	6 kgals @ Env Comp per ERU	0.52 4.00	\$1.02	
	\$27.88		\$28.90	\$1.02	
	\$122.35		\$128.01	\$5.66	
	Combined Bill	\$122.35	Combined Bill	\$128.01	

(1) Assumes a ¾-inch meter
(2) Based on AWC. Minimum Federal Mandate charge is \$2.10 per month

Table 5-7 Provides a summary of the combined water and sewer bills for the three example customers through 2027.

Table 5-7
Sample Combined Water and Sewer Customer Bills
Existing and 2023 through 2027

Customer	Existing	2023	2024	2025	2026	2027
Low Volume (3 kgals)	\$37.03	\$38.20	\$39.52	\$40.66	\$41.66	\$42.68
Average Volume (6 kgals)	58.51	58.11	60.14	61.95	63.50	65.09
High Volume (25 kgals W, 6 kgals S)	122.35	128.01	132.14	135.38	138.40	141.49

The full cost-of-service and rate design analysis can be found in Appendices D and E.

Section 6 – License Fees

6.1 Introduction

License fees are one-time charges that reflect the demands and costs created by new development for additional water, sewer and reclaimed water capacity. More specifically a license fee is defined as:

License fees reflect the demands and costs created by new development for additional water, sewer and reclaimed water capacity. Generally, license fees are required to demonstrate a reasonable connection between the amount of the fee and the cost to serve new development.

The infrastructure included in license fees are large, system level components and do not include on-site or site-specific improvements. Water system license fees can include components for water resources, production, storage, and distribution. Components of sewer system capacity can include treatment, interceptors, and collection lines. Reclaimed water capacity can include pump stations and reuse water line extensions.

As previously mentioned, license fees are required to demonstrate a reasonable connection or rational nexus between the amount of the fee and the cost to serve new development (i.e., new development's proportionate share of infrastructure capacity costs). The additional capacity required for new growth can be the repayment of "buying into" existing capacity or the completion of utility projects to provide additional capacity. This report documents the assumptions, methodologies, and calculations upon which the license fees are based. As documented in this report, the license fees are just and reasonable and represent new development's proportionate share of costs for growth related water, sewer and reclaimed water projects from which it will directly benefit.

The infrastructure included in the proposed license fees are large, system level components and do not include on-site or site-specific improvements.

Projected water flows assume 715 gallons of peak flow per day per residential equivalent (based on Broomfield billing data), 266 gallons of peak per day per single family residential equivalent for sewer flows (includes 10% inflow and infiltration), and 464 gallons of peak day flow per reclaimed water tap equivalent (using Broomfield billing data). The annual water resource needs for a residential development with a 3/4-inch meter was identified at 1/2 of an acre foot (af) of water.

The license fees are calculated on a tap equivalent (water and reclaimed water) or equivalent residential unit (sewer) basis.

6.2 Calculation Methodologies

There are three basic methodologies that were used to calculate the various components of Broomfield's license fees. The methodologies are used to determine the best measure of demand created by new development for each component of the license fees. The methodologies can be classified as looking at the past, present and future capacities of infrastructure. The three basic methodologies are described below:

The **buy-in** methodology is used where infrastructure has been built in advance of new development and excess capacity is available for new development. Under this methodology, new development repays the community for previous capacity investments via the license fee. The funds are then available for future expansion of the system.

The **incremental** methodology uses capital improvement plans (CIPs) and related master plans to determine new developments share of planned projects. Projects that do not add capacity, such as routine maintenance or replacement of existing facilities, are not included in the fees. Projects that add capacity are further evaluated as to the percentage of the project attributable to existing development versus new development. Only the incremental projects attributable to new development are included in the license fees.

The third approach is a **hybrid** methodology. The hybrid approach is used in situations where there is available capacity in the existing system, but there are also future improvements that require additional upgrades or expansion. For example, a wastewater treatment plant has available capacity to serve new development, but the plant needs to be upgraded to meet new treatment regulations.

Figure 6-1 summarizes the different license fee calculation processes.

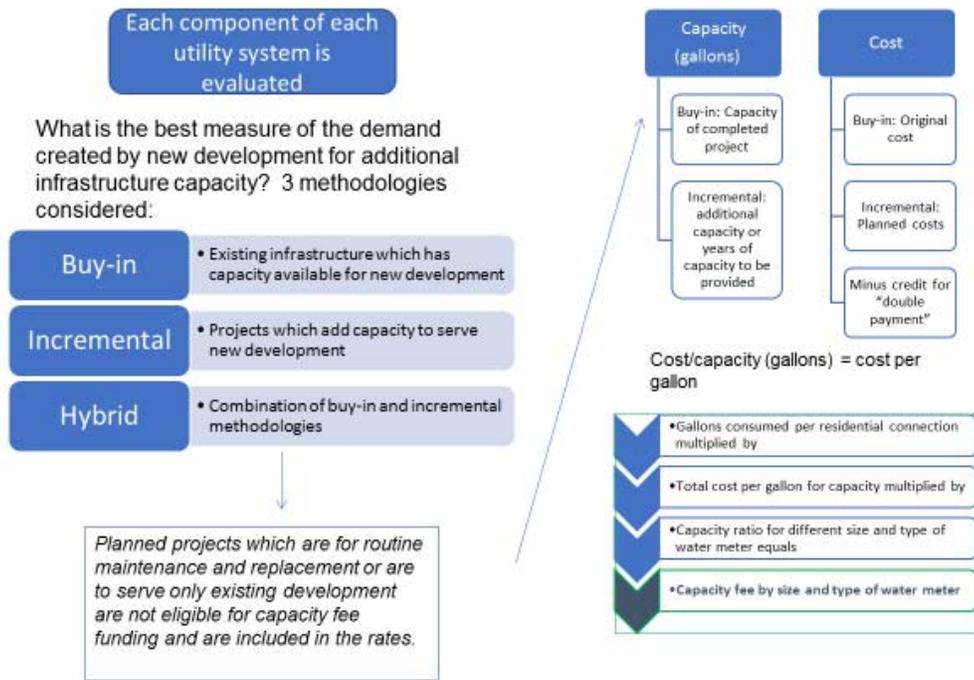


Figure 6-1 License Fee Calculation Process

Because new development will benefit from Broomfield’s existing infrastructure as well as additional capital projects, the hybrid methodology was selected to update the water, sewer and reclaimed water license fees.

6.3 Water License Fees

6.3.1 Water System Valuation

The current value of Broomfield’s water system assets was brought to today’s dollars using the Engineering News Record (ENR) Construction Cost Index (CCI). Using this index attempts to value Broomfield’s assets at what it would cost to purchase or construct those assets today. It is important to recognize, however, that these assets are not new and are not being purchased today, but rather have been depreciated over time. Therefore, the accumulated depreciation is subtracted from the calculated current day value of the assets to determine what is referred to as the Replacement Cost New Less Depreciation (RCNLD) fixed asset value. The RCNLD fixed asset value for Broomfield’s water assets was calculated at \$184,369,900. In addition to the fixed assets Broomfield has \$63,328,655 in cash balance (as of January 1, 2022) that future growth is being asked to “buy into” which will be used for future growth-related capital costs. A summary of the fixed assets by

asset classification is shown in Table 6-1. A full list of Broomfield’s fixed assets can be found in Appendix F. Table 6-2 provides a summary of all components of the water system valuation.

Table 6-1 Replacement Cost New Less Depreciation of Water Fixed Assets ⁽¹⁾	
Description	Value
Land	\$35,057,401
Plant	19,515,426
Storage	24,508
Transmission	120,055,143
Equipment	821,458
Building	8,413,035
Drainage	<u>482,930</u>
Total	\$184,369,900
(1) Asset detail can be found in Appendices F-1 through F-9	

Table 6-2 Unit Cost of Existing Water System Value	
Description	Value
Cash	\$63,328,655
Fixed Assets	<u>184,369,900</u>
Total System Value	\$247,698,555
System Capacity (gpd)	26,000,000
Cost per Unit (\$/gallon)	\$9.53

6.3.2 Water System Projected Capital Needs and Cost Summary

Broomfield’s capital plan anticipates \$154.9 million in growth-related capital projects that will provide additional water capacity or expansion (see Appendix F-12). Table 6-3 summarizes the cost per unit of growth-related capital projects attributed to serving new development.

Table 6-3 Unit Cost of Incremental Water System Components ⁽¹⁾	
Description	Value (\$/gallon)
Reservoirs	\$4.93
Water Treatments & Storage	13.23
Transmission Lines & Facilities	8.67
Planning and Administration	<u>0.10</u>
Total Incremental Cost (\$/gallon)	\$26.92
(1) Additional data can be found in Appendices F-12 through F-13	

Table 6-4 below summarizes the demand factors and the cost per tap equivalent for additional water capacity to identify the additional capital cost per Tap Equivalent (TE) of capacity to serve future development.

Table 6-4 Water System Fee Calculation		
Description	Units	Fee
Existing System Value per gallon (a)	\$9.53	
Incremental Cost per gallon (b)	<u>26.92</u>	
Total Value (a + b = c)	36.45	
Peak Flows per TE (d)	<u>715</u>	
Water System License Fee (c x d)		\$26,060

In addition to water system infrastructure, water resources are required to serve new development. Broomfield’s water rights portfolio is summarized in Table 6-5. The value of Broomfield’s water rights not only includes Broomfield’s share in different water resource projects, but also the carrying cost (interest) on any outstanding debt used to acquire the water resources. Debt was issued to purchase water resource shares in the Windy Gap project. The interest on the debt issuance is anticipated to be repaid through license fees and has therefore been included in the license fee calculation.

Table 6-5 Value of Water Rights ⁽¹⁾		
Description	Acre Feet	Value
CBT Project	7,867	\$350,287,311
Windy Gap Project	5,600	131,500,000
Marshall Share	368	1,115,061
Interest on Windy Gap Purchase	<u>n/a</u>	<u>82,951,750</u>
Total	13,835	\$565,854,122
(1) Additional data can be found in Appendix F-15		

With a total water resource portfolio value of \$565,854,122 for 13,835 acre feet of water resources, the value per acre foot of water is \$40,899 (\$565,854,122 / 13,835 AF). As identified previously, the annual water needs for a single-family customer representing one TE is 1/2 an acre foot of water per year. Thus, the water resource license fee per TE is \$20,450 (\$40,899 per af x 0.5 af).

The maximum supportable water license fee is the sum of the water system and water resource components. The maximum supportable fee of \$46,510 represents a large increase from the current water license fee of \$24,756, per TE, therefore a lower recommended fee of \$35,000 is being proposed. Table 6-6 summarizes the current, maximum supportable and recommended fees.

Table 6-6 Proposed Water License Fees			
Metric	Current	Maximum Supportable	Recommended
1 Tap Equivalent	\$24,756	\$46,510	\$35,000

The water license fee should be monitored in the future to ensure that the recommended fee is generating sufficient revenue to match the capital improvement needs. As capital costs continue to rise it may be necessary to adjust the water license fee to more closely approximate the maximum supportable fee.

Customers usage should also be monitored on an annual basis to ensure that their annual usage does not exceed their water allotment based on the number of TEs they paid for through their license fee. Should a customer consistently exceed their water allotment they should pay an additional license fee commensurate with their water usage.

6.4 Sewer License Fees

6.4.1 Sewer System Valuation

The current value of Broomfield’s sewer system assets was brought to today’s dollars using the ENR CCI. Using this index attempts to value Broomfield’s assets at what it would cost to purchase or construct those assets today. It is important to recognize, however, that these assets are not new and are not being purchased today, but rather have been depreciated over time. Therefore, the accumulated depreciation is subtracted from the calculated current day value of the assets to determine what is referred to as RCNLD fixed asset value. The RCNLD fixed asset value for Broomfield’s sewer assets was calculated at \$201,507,252. However, some of these assets were acquired through the use of debt, and the debt is being paid through monthly sewer rates. In order to prevent the double payment for the assets (once through the sewer license fee and then again through monthly sewer rates) the outstanding debt principle of \$20,555,000 has been subtracted from the sewer system value. In addition to the fixed assets Broomfield has \$64,676,737 in cash balance (as of January 1, 2022) that future growth is being asked to “buy into” which will be used for future growth-related capital costs. A summary of the fixed assets by asset classification is shown in Table 6-7. A full list of Broomfield’s fixed assets can be found in Appendix G. Table 6-8 provides a summary of all components of the sewer system valuation.

Table 6-7 Replacement Cost New Less Depreciation of Sewer Fixed Assets ⁽¹⁾	
Description	Value
Land	\$2,868,477
Plant	64,978,505
Building	214,772
Collection	129,728,725
Drainage	1,831,995
Improvements	382,104
Equipment	<u>1,502,674</u>
Total	\$201,507,252
(1) Asset detail can be found in Appendices G-1 through G-10	

Table 6-8 Unit Cost of Existing Sewer System Value	
Description	Value
Cash	\$64,676,737
Fixed Assets	201,507,252
Principle Credit	<u>(20,555,000)</u>
Total System Value	\$245,628,989
Capacity Served (gpd)	7,880,000
Cost per Unit (\$/gallon)	\$31.17

6.4.2 Sewer System Projected Capital Needs and Cost Summary

Broomfield’s capital program anticipates \$191.8 million in growth-related capital projects for that will provide additional sewer capacity or expansion (see Appendix G-13). Table 6-9 summarizes the cost per unit of growth-related capital projects attributed to serving new development.

Table 6-9 Unit Cost of Incremental Sewer System Components ⁽¹⁾	
Description	Value (\$/gallon)
Treatment Facilities	\$19.42
Collection Lines and Facilities	2.94
Planning and Administration	<u>0.30</u>
Total Incremental Cost (\$/gallon)	\$22.65
(1) Additional data can be found in Appendices G-13 through G-14	

Table 6-10 below summarizes the demand factors and the cost per Equivalent Residential Unit (ERU) for additional sewer capacity to identify the additional capital cost per ERU of capacity to serve future development.

Table 6-10 Sewer System Fee Calculation		
Description	Units	Fee
Existing System Value per gallon (a)	\$31.17	
Incremental Cost per gallon (b)	<u>22.65</u>	
Total Value (a + b = c)	53.82	
Peak Flows per ERU (d)	<u>266</u>	
Sewer System License Fee (c x d)		\$14,320

The maximum supportable fee per ERU is \$14,320 as compared to the current fee of \$12,559. Table 6-11 summarizes the current and maximum supportable fees.

Table 6-11 Proposed Sewer License Fees		
Metric	Current	Recommended
Equivalent Residential Unit	\$12,559	\$14,320

6.5 Reclaimed Water License Fees

6.5.1 Reclaimed Water System Valuation

The current value of Broomfield’s reclaimed water system assets was brought to today’s dollars using the ENR CCI. Using this index attempts to value Broomfield’s assets at what it would cost to purchase or construct those assets today. It is important to recognize, however, that these assets are not new and are not being purchased today, but rather have been depreciated over time. Therefore, the accumulated depreciation is subtracted from the calculated current day value of the assets to determine what is referred to as the RCNLD fixed asset value. The RCNLD fixed asset value for Broomfield’s reclaimed water assets was calculated at \$50,705,432. In addition to the fixed assets Broomfield has an operating fund cash balance of \$9,148,744 (as of January 1, 2022) that future growth is being asked to “buy into” which will be used for future growth-related capital costs. A summary of the fixed assets by asset classification is shown in Table 6-12. A full list of Broomfield’s fixed assets can be found in Appendix H. Table 6-13 provides a summary of all components of the reclaimed water system valuation.

Table 6-12 Replacement Cost New Less Depreciation of Reclaimed Water Fixed Assets ⁽¹⁾	
Description	Value
Land	\$16,724,192
Plant	6,952,602
Transmission	26,349,145
Equipment	<u>679,929</u>
Total	\$50,705,868
(1) Asset detail can be found in Appendices H-1 through H-2	

Table 6-13 Unit Cost of Existing Reclaimed Water System Value	
Description	Value
Cash	\$9,148,744
Fixed Assets	50,705,868
Total System Value	\$59,854,612
Capacity Served (gpd)	3,200,000
Cost per Unit (\$/gallon)	\$18.71

6.5.2 Reclaimed Water System Projected Capital Needs and Cost Summary

Broomfield’s capital plan anticipates \$46.6 million in growth-related capital projects for reclaimed water that will provide additional capacity or expansion (see Appendix H-5). Table 6-14 summarizes the cost per unit of growth-related capital projects attributed to serving new development.

Table 6-14 Unit Cost of Incremental Reclaimed Water System Components ⁽¹⁾	
Description	Value (\$/gallon)
Storage	\$5.64
Distribution Lines	1.16
Interest Payments on New Debt	<u>3.03</u>
Total Incremental Cost (\$/gallon)	\$9.83
(1) Additional data can be found in Appendices H-5 through H-7	

Table 6-15 below summarizes the demand factors and the cost per SFE for additional reclaimed water capacity to identify the additional capital cost per SFE of capacity to serve future development.

Table 6-14 Reclaimed Water System Fee Calculation		
Description	Units	Fee
Existing System Value per gallon (a)	\$18.71	
Incremental Cost per gallon (b)	<u>9.83</u>	
Total Value (a + b = c)	28.54	
Peak Flows per TE (d)	<u>464</u>	
Reclaimed Water System License Fee (c x d)		\$13,240

The calculated maximum supportable reclaimed water fee per TE is \$13,240, whereas the current fee is \$12,378.

Table 6-15 summarizes the current and maximum supportable fees.

Table 6-15 Proposed Reclaimed Water License Fees		
Metric	Current	Recommended
Tap Equivalent	\$12,378	\$13,240

The full license fee analyses can be found in Appendices F through H.

Section 7 – Conclusions and Recommendations

7.1 Conclusions

- Projected operating revenues and operating expenses for the forecast period were developed by, and/or in consultation with, Broomfield staff and are based upon reasonable projections;
- The projected capital project expenses have been developed by Broomfield staff, to address anticipated water, sewer and reclaimed water system needs;
- Based on the above conclusions, we are of the opinion that the financial projections presented herein address the water, sewer and reclaimed water utilities ability to meet its ongoing obligations with regard to:
 - Operating and maintenance expenses, including repair and replacement of aging system components;
 - Non-operating expenses;
 - Capital project expenses, and
 - Provision for key financial policies, including:
 - Maintenance of financially prudent operating reserve balances;
 - Meeting or exceeding annual debt service coverage requirements.
- The proposed rates and license fees presented herein are in conformance with industry standard rate-making practices and Colorado Revised Statutes with respect to:
 - The fair and equitable recovery of costs through utility rates and license fees; and
 - Generation of sufficient revenue to recover system revenue requirements and reserve requirements.

7.2 Recommendations

- It is recommended that Broomfield implement the proposed rates and charges presented in this Report for 2023 through 2027 beginning with the first adjustment in January 2023.
- It is recommended that Broomfield update the revenue sufficiency analysis portion of this study each year to ensure projected revenue continues to be sufficient to fund projected expenses going forward as assumptions made during this analysis may change and have a material impact upon the analysis.

APPENDIX A

Water Financial Plan

CITY AND COUNTY OF BROOMFIELD, CO
 WATER, RECLAIMED & SEWER SYSTEM
 PROJECTED OPERATING RESULTS - WATER

Line	Description	Existing 2022	Proposed 2023	Year Ending December 31,								
				2024	2025	2026	2027	2028	2029	2030	2031	2032
REVENUES												
Operating Revenues												
1	Water Service Charges	\$ 18,291,958	\$ 19,974,818	\$ 21,397,025	\$ 22,697,965	\$ 23,723,777	\$ 24,795,950	\$ 25,916,578	\$ 27,087,851	\$ 28,312,060	\$ 29,591,595	\$ 30,928,957
2	Base Charge - Percentage Rate Adjustment		5.00%	3.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
3	Volumetric Charge - Percentage Rate Adjustment		5.00%	3.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
Other Operating Revenues												
4	Water License Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5	Sewer License Fees	-	-	-	-	-	-	-	-	-	-	-
6	Reclaim Water License Fees	-	-	-	-	-	-	-	-	-	-	-
7	Miscellaneous Revenues	500,653	500,653	500,653	500,653	500,653	500,653	500,653	500,653	500,653	500,653	500,653
Other Non-Operating Revenues												
8	Interest	685,688	685,688	584,228	651,475	1,056,178	1,208,007	1,178,737	1,165,900	1,354,851	1,549,864	1,752,961
9	Total Revenues	\$ 19,478,299	\$ 21,161,159	\$ 22,481,906	\$ 23,850,093	\$ 25,280,608	\$ 26,504,610	\$ 27,595,968	\$ 28,754,404	\$ 30,167,564	\$ 31,642,112	\$ 33,182,571
Current Expenses												
10	40 : Water 35100 : Water Supply	\$ 5,368,615	\$ 5,446,726	\$ 5,529,731	\$ 5,612,956	\$ 5,701,975	\$ 5,792,107	\$ 5,883,938	\$ 5,978,048	\$ 6,075,019	\$ 6,175,435	\$ 6,284,887
11	40 : Water 35200 : Water Treatment Plant	9,536,906	9,823,015	10,117,709	10,421,242	10,733,881	11,055,896	11,387,576	11,729,205	12,081,082	12,443,515	12,816,825
12	40 : Water 35300 : Water System Ops/Mtce	2,005,577	2,065,748	2,127,721	2,191,553	2,257,300	2,325,020	2,394,770	2,466,615	2,540,612	2,616,828	2,695,334
13	40 : Water 35400 : Environmental Monitoring	1,068,251	1,100,302	1,133,313	1,167,310	1,202,330	1,238,399	1,275,552	1,313,820	1,353,237	1,393,837	1,435,656
14	40 : Water 35500 : Gwr Water Protection	48,266	49,715	51,207	52,743	54,325	55,953	57,633	59,363	61,144	62,979	64,868
15	40 : Water 50600 : Utility Billing	586,859	604,467	622,599	641,278	660,519	680,335	700,745	721,766	743,419	765,723	788,696
16	40 : Misc. Water Expenditures	485,074	499,625	514,612	530,050	545,950	562,329	579,199	596,576	614,472	632,906	651,892
17	Total Current Expenses	\$ 19,099,548	\$ 19,589,598	\$ 20,096,892	\$ 20,617,132	\$ 21,156,280	\$ 21,710,039	\$ 22,279,413	\$ 22,865,393	\$ 23,468,985	\$ 24,091,223	\$ 24,738,158
18	Income Available for Debt Service	\$ 378,751	\$ 1,571,561	\$ 2,385,014	\$ 3,232,961	\$ 4,124,328	\$ 4,794,571	\$ 5,316,555	\$ 5,889,011	\$ 6,698,579	\$ 7,550,889	\$ 8,444,413
DEBT SERVICE												
Parity Indebtedness												
19	2012 Sewer Revenue Bond Refunding	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
20	Water Revenue Bonds, Series 2021 (Windy Gap Project)	8,694,700	8,693,450	8,695,200	8,694,450	8,695,950	8,694,200	8,693,950	8,694,700	8,695,950	8,697,200	8,697,950
21	Total Parity Indebtedness	\$ 8,694,700	\$ 8,693,450	\$ 8,695,200	\$ 8,694,450	\$ 8,695,950	\$ 8,694,200	\$ 8,693,950	\$ 8,694,700	\$ 8,695,950	\$ 8,697,200	\$ 8,697,950
New Debt												
22	Water System Improvements - Rural Dev. Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
23	Water System Improvements - SRF Loan	-	-	-	-	-	-	-	-	-	-	-
24	Water System Improvements - Installment Debt	-	-	-	-	-	-	-	-	-	-	-
25	Water System Improvements - Revenue Bond	-	-	-	-	-	-	-	-	-	-	-
26	Total New Debt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
27	Total Indebtedness	\$ 8,694,700	\$ 8,693,450	\$ 8,695,200	\$ 8,694,450	\$ 8,695,950	\$ 8,694,200	\$ 8,693,950	\$ 8,694,700	\$ 8,695,950	\$ 8,697,200	\$ 8,697,950
28	Net Results of Operations	\$ 378,751	\$ 1,571,561	\$ 2,385,014	\$ 3,232,961	\$ 4,124,328	\$ 4,794,571	\$ 5,316,555	\$ 5,889,011	\$ 6,698,579	\$ 7,550,889	\$ 8,444,413
DEBT SERVICE COVERAGE												
Income Available for Debt Service												
29	From Operations	\$ 378,751	\$ 1,571,561	\$ 2,385,014	\$ 3,232,961	\$ 4,124,328	\$ 4,794,571	\$ 5,316,555	\$ 5,889,011	\$ 6,698,579	\$ 7,550,889	\$ 8,444,413
30	Plus: 100.00% of License Fee Revenue Included Towards DSC	\$ 25,244,314	\$ 86,966,393	\$ 90,445,049	\$ 94,062,851	\$ 41,575,780	\$ 42,282,568	\$ 43,001,372	\$ 43,732,395	\$ 44,475,846	\$ 45,231,935	\$ 46,000,878
31	Total Income Available for Debt Service	\$ 25,623,065	\$ 88,537,954	\$ 92,830,063	\$ 97,295,812	\$ 45,700,108	\$ 47,077,139	\$ 48,317,927	\$ 49,621,406	\$ 51,174,425	\$ 52,782,824	\$ 54,445,291
Debt Service Coverage - Parity Indebtedness												
Excluding License Fee Revenues												
32	Calculated	0.04	0.18	0.27	0.37	0.47	0.55	0.61	0.68	0.77	0.87	0.97
33	Targeted	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
34	Required	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
Including License Fee Revenues												
35	Calculated	2.95	10.18	10.68	11.19	5.26	5.41	5.56	5.71	5.88	6.07	6.26
36	Targeted	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
37	Required	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
Debt Service Coverage - Total Indebtedness												
Excluding License Fee Revenues												
38	Calculated	0.04	0.18	0.27	0.37	0.47	0.55	0.61	0.68	0.77	0.87	0.97
39	Targeted	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
40	Required	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
Including License Fee Revenues												
41	Calculated	2.95	10.18	10.68	11.19	5.26	5.41	5.56	5.71	5.88	6.07	6.26
42	Targeted	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
43	Required	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
44	Capital Outlay	\$ (48,800)	\$ (50,264)	\$ (51,772)	\$ (53,325)	\$ (54,925)	\$ (56,573)	\$ (58,270)	\$ (60,018)	\$ (61,819)	\$ (63,674)	\$ (65,584)
45	Transfers In	-	-	-	-	-	-	-	-	-	-	-
46	Transfers Out	(1,421,606)	(1,471,362)	(1,522,860)	(1,576,160)	(1,631,325)	(1,688,421)	(1,747,515)	(1,808,678)	(1,871,982)	(1,937,501)	(2,005,313)
47	Net Results	\$ (1,091,655)	\$ 49,935	\$ 810,382	\$ 1,603,476	\$ 2,438,078	\$ 3,049,577	\$ 3,510,770	\$ 4,020,315	\$ 4,764,778	\$ 5,549,714	\$ 6,373,516

CITY AND COUNTY OF BROOMFIELD, CO
WATER, RECLAIMED & SEWER SYSTEM

RESERVE FUND BALANCE ACTIVITY

<u>Water Fund Balance</u>												
1	Beginning Fund Balance	\$ 4,631,702	\$ 2,142,181	\$ 919,650	\$ 1,171,777	\$ 1,276,363	\$ 2,790,353	\$ 4,377,037	\$ 7,331,947	\$ 9,915,289	\$ 14,082,986	\$ 18,100,398
2	Total Revenues	19,478,299	21,161,159	22,481,906	23,850,093	25,280,608	26,504,610	27,595,968	28,754,404	30,167,564	31,642,112	33,182,571
Less												
3	O&M	19,099,548	19,589,598	20,096,892	20,617,132	21,156,280	21,710,039	22,279,413	22,865,393	23,468,985	24,091,223	24,738,158
4	Debt Service	-	-	-	-	-	-	-	-	-	-	-
5	Other Expenditures/Transfers	1,470,406	1,521,626	1,574,632	1,629,485	1,686,250	1,744,994	1,805,785	1,868,696	1,933,801	2,001,175	2,070,897
6	Capital Projects From Capital Improvement Plan	1,397,866	1,272,466	558,255	1,498,890	924,089	1,462,893	555,860	1,436,972	597,081	1,532,302	641,738
7	Total Expenditures	\$ 21,967,820	\$ 22,383,690	\$ 22,229,779	\$ 23,745,507	\$ 23,766,619	\$ 24,917,926	\$ 24,641,058	\$ 26,171,061	\$ 25,999,867	\$ 27,624,700	\$ 27,450,793
8	Net Cash Flow	\$ (2,489,521)	\$ (1,222,531)	\$ 252,127	\$ 104,586	\$ 1,513,990	\$ 1,586,684	\$ 2,954,910	\$ 2,583,342	\$ 4,167,697	\$ 4,017,412	\$ 5,731,778
9	Ending Fund Balance	\$ 2,142,181	\$ 919,650	\$ 1,171,777	\$ 1,276,363	\$ 2,790,353	\$ 4,377,037	\$ 7,331,947	\$ 9,915,289	\$ 14,082,986	\$ 18,100,398	\$ 23,832,176
10	Targeted Fund Balance	\$ 9,418,955	\$ 9,660,624	\$ 9,910,796	\$ 10,167,353	\$ 10,433,234	\$ 10,706,321	\$ 10,987,108	\$ 11,276,084	\$ 11,573,746	\$ 11,880,603	\$ 12,199,640
11	Difference Between Target and Actual Fund Balance	\$ (7,276,774)	\$ (8,740,974)	\$ (8,739,019)	\$ (8,890,990)	\$ (7,642,881)	\$ (6,329,283)	\$ (3,655,161)	\$ (1,360,795)	\$ 2,509,240	\$ 6,219,794	\$ 11,632,536
12	Days Cash on Hand	41	17	21	23	48	74	120	158	219	274	352
13	Targeted Days Cash on Hand	180	180	180	180	180	180	180	180	180	180	180
<u>Water License Fee Balance</u>												
14	Beginning Fund Balance	\$ 58,696,953	\$ 39,857,445	\$ 57,503,138	\$ 129,123,284	\$ 209,959,310	\$ 238,811,002	\$ 231,370,388	\$ 225,847,959	\$ 261,054,907	\$ 295,889,718	\$ 332,491,834
15	License Fee Revenues	25,244,314	86,966,393	90,445,049	94,062,851	41,575,780	42,282,568	43,001,372	43,732,395	44,475,846	45,231,935	46,000,878
16	Growth Related Capital Projects From Capital Improvement Plan	(22,889,122)	(51,627,250)	(9,529,703)	(4,532,376)	(4,028,138)	(25,028,982)	(40,029,851)	(30,747)	(1,045,085)	(32,619)	(33,598)
17	(Loan To)/Repayment From Reclaimed Water License Fee Fund	(12,500,000)	(9,000,000)	(600,000)	-	-	(16,000,000)	200,000	200,000	100,000	100,000	100,000
18	Debt Service Paid through License Fees (Windy Gap)	(8,694,700)	(8,693,450)	(8,695,200)	(8,694,450)	(8,695,950)	(8,694,200)	(8,693,950)	(8,694,700)	(8,695,950)	(8,697,200)	(8,697,950)
19	Ending Fund Balance	\$ 39,857,445	\$ 57,503,138	\$ 129,123,284	\$ 209,959,310	\$ 238,811,002	\$ 231,370,388	\$ 225,847,959	\$ 261,054,907	\$ 295,889,718	\$ 332,491,834	\$ 369,861,165
20	Total Combined Operating and Capital Fund Balance	\$ 41,999,626	\$ 58,422,788	\$ 130,295,061	\$ 211,235,673	\$ 241,601,355	\$ 235,747,426	\$ 233,179,906	\$ 270,970,197	\$ 309,972,704	\$ 350,592,232	\$ 393,693,340

CITY AND COUNTY OF BROOMFIELD, CO
 WATER, RECLAIMED & SEWER SYSTEM
 REVENUES AND EXPENSES - WATER

Acct	Description	Utility	Type	Department	Adjusted Budget	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	
					2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	
	REVENUES															
40-00000-44100	Water Sales	SALES	WATER	WATER	\$ 13,293,668	\$ 14,516,685	\$ 15,550,273	\$ 16,495,730	\$ 17,241,238	\$ 18,020,439	\$ 18,834,855	\$ 19,686,077	\$ 20,575,770	\$ 21,505,671	\$ 22,477,598	
40-00000-44105	Water Sales - Flat Charge	SALES	WATER	WATER	\$ 4,998,290	\$ 5,458,133	\$ 5,846,752	\$ 6,202,235	\$ 6,482,539	\$ 6,775,511	\$ 7,081,723	\$ 7,401,774	\$ 7,736,290	\$ 8,085,924	\$ 8,451,359	
40-00000-44110	Engineering Inspection	OTHER	WATER	WATER	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	
40-00000-44115	Meter Fees	OTHER	WATER	WATER	\$ 395,653	\$ 395,653	\$ 395,653	\$ 395,653	\$ 395,653	\$ 395,653	\$ 395,653	\$ 395,653	\$ 395,653	\$ 395,653	\$ 395,653	
40-00000-44125	License Fees	TAP	WATER	WATER	\$ 25,244,314	\$ 86,966,393	\$ 90,445,049	\$ 94,062,851	\$ 41,575,780	\$ 42,282,568	\$ 43,001,372	\$ 43,732,395	\$ 44,475,846	\$ 45,231,935	\$ 46,000,878	
40-00000-45140	Late Chrgs & Turn on Fees	OTHER	WATER	WATER	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	
40-00000-48110	Investment Earnings	INTEREST	WATER	WATER	\$ 684,688	\$ 684,688	\$ 684,688	\$ 684,688	\$ 684,688	\$ 684,688	\$ 684,688	\$ 684,688	\$ 684,688	\$ 684,688	\$ 684,688	
40-00000-48120	Investment Earnings on Reserves	INTEREST	WATER	WATER	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	
	TOTAL REVENUES				\$ 44,722,613	\$ 108,127,552	\$ 113,028,415	\$ 117,947,157	\$ 66,485,898	\$ 68,264,859	\$ 70,104,291	\$ 72,006,587	\$ 73,974,247	\$ 76,009,871	\$ 78,116,176	

CITY AND COUNTY OF BROOMFIELD, CO
 WATER, RECLAIMED & SEWER SYSTEM
 REVENUES AND EXPENSES - WATER

Acct	Description	Utility	Type	Department	Adjusted Budget	Projected										
					2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	
	OPERATING EXPENSES															
	40 : Water 35100 : Water Supply	40 : 35100		WATER SUPPLY	\$ 5,368,615	\$ 5,446,726	\$ 5,529,731	\$ 5,612,956	\$ 5,701,975	\$ 5,792,107	\$ 5,883,938	\$ 5,978,048	\$ 6,075,019	\$ 6,175,435	\$ 6,284,887	
	40 : Water 35200 : Water Treatment Plant	40 : 35200		WATER TREATMENT	\$ 9,536,906	\$ 9,823,015	\$ 10,117,709	\$ 10,421,242	\$ 10,733,881	\$ 11,055,896	\$ 11,387,576	\$ 11,729,205	\$ 12,081,082	\$ 12,443,515	\$ 12,816,825	
	40 : Water 35300 : Water System Ops/Mtce	40 : 35300		WATER OPERATIONS	\$ 2,005,577	\$ 2,065,748	\$ 2,127,721	\$ 2,191,553	\$ 2,257,300	\$ 2,325,020	\$ 2,394,770	\$ 2,466,615	\$ 2,540,612	\$ 2,616,828	\$ 2,695,334	
	40 : Water 35400 : Environmental Monitoring	40 : 35400		WATER ENVIRONMENT	\$ 1,068,251	\$ 1,100,302	\$ 1,133,313	\$ 1,167,310	\$ 1,202,330	\$ 1,238,399	\$ 1,275,552	\$ 1,313,820	\$ 1,353,237	\$ 1,393,837	\$ 1,435,656	
	40 : Water 35500 : Gwr Water Protection	40 : 35500		WATER PROTECTION	\$ 48,266	\$ 49,715	\$ 51,207	\$ 52,743	\$ 54,325	\$ 55,953	\$ 57,633	\$ 59,363	\$ 61,144	\$ 62,979	\$ 64,868	
	40 : Water 50600 : Utility Billing	40 : 50600		WATER BILLING	\$ 586,859	\$ 604,467	\$ 622,599	\$ 641,278	\$ 660,519	\$ 680,335	\$ 700,745	\$ 721,766	\$ 743,419	\$ 765,723	\$ 788,696	
	40 : Misc. Water Expenditures	MISC WATER		WATER OTHER	\$ 485,074	\$ 499,625	\$ 514,612	\$ 530,050	\$ 545,950	\$ 562,329	\$ 579,199	\$ 596,576	\$ 614,472	\$ 632,906	\$ 651,892	
	TOTAL OPERATING EXPENSES				\$ 19,099,548	\$ 19,589,598	\$ 20,096,892	\$ 20,617,132	\$ 21,156,280	\$ 21,710,039	\$ 22,279,413	\$ 22,865,393	\$ 23,468,985	\$ 24,091,223	\$ 24,738,158	
	CAPITAL OUTLAY															
	40 : Water 35300 : Water System Ops/Mtce	40 : 35300	CAPITAL	WATER OPERATIONS	\$ 48,800	\$ 50,264	\$ 51,772	\$ 53,325	\$ 54,925	\$ 56,573	\$ 58,270	\$ 60,018	\$ 61,819	\$ 63,674	\$ 65,584	
	TOTAL CAPITAL OUTLAY				\$ 48,800	\$ 50,264	\$ 51,772	\$ 53,325	\$ 54,925	\$ 56,573	\$ 58,270	\$ 60,018	\$ 61,819	\$ 63,674	\$ 65,584	
	DEBT SERVICE															
	Existing Debt	WATER	EXISTING	DEBT	\$ 8,694,700	\$ 8,693,450	\$ 8,695,200	\$ 8,694,450	\$ 8,695,950	\$ 8,694,200	\$ 8,693,950	\$ 8,694,700	\$ 8,695,950	\$ 8,697,200	\$ 8,697,950	
	New Debt	WATER	NEW	DEBT	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	TOTAL DEBT SERVICE				\$ 8,694,700	\$ 8,693,450	\$ 8,695,200	\$ 8,694,450	\$ 8,695,950	\$ 8,694,200	\$ 8,693,950	\$ 8,694,700	\$ 8,695,950	\$ 8,697,200	\$ 8,697,950	
	TRANSFERS/CONTINGENCIES															
	Transfer Out	WATER	TRANSFER OUT	TRANSFER	\$ 1,421,606	\$ 1,471,362	\$ 1,522,860	\$ 1,576,160	\$ 1,631,325	\$ 1,688,421	\$ 1,747,515	\$ 1,808,678	\$ 1,871,982	\$ 1,937,501	\$ 2,005,313	
	Transfer In	WATER	TRANSFER IN	TRANSFER	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	TOTAL TRANSFERS/CONTINGENCIES				\$ 1,421,606	\$ 1,471,362	\$ 1,522,860	\$ 1,576,160	\$ 1,631,325	\$ 1,688,421	\$ 1,747,515	\$ 1,808,678	\$ 1,871,982	\$ 1,937,501	\$ 2,005,313	

CITY AND COUNTY OF BROOMFIELD, CO
 WATER, RECLAIMED & SEWER SYSTEM
 REVENUES AND EXPENSES - WATER

Acct	Description	Utility	Type	Department	Adjusted Budget	Projected										
					2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	
40 : WATER 35100 : WATER SUPPLY																
40-35100-51110	Water Supply-Salaries Full Time	40 : 35100	PERSONNEL	Source of Supply	\$ 148,500	\$ 152,955	\$ 157,544	\$ 162,270	\$ 167,138	\$ 172,152	\$ 177,317	\$ 182,637	\$ 188,116	\$ 193,759	\$ 199,572	
40-35100-51410	Water Supply-Overtime	40 : 35100	PERSONNEL	Source of Supply	\$ 1,185	\$ 1,221	\$ 1,258	\$ 1,296	\$ 1,335	\$ 1,375	\$ 1,416	\$ 1,458	\$ 1,502	\$ 1,547	\$ 1,593	
40-35100-51610	Water Supply-Social Security	40 : 35100	PERSONNEL	Source of Supply	\$ 9,280	\$ 9,558	\$ 9,845	\$ 10,140	\$ 10,444	\$ 10,757	\$ 11,080	\$ 11,412	\$ 11,754	\$ 12,107	\$ 12,470	
40-35100-51620	Water Supply-Medicare	40 : 35100	PERSONNEL	Source of Supply	\$ 2,170	\$ 2,235	\$ 2,302	\$ 2,371	\$ 2,442	\$ 2,515	\$ 2,590	\$ 2,668	\$ 2,748	\$ 2,830	\$ 2,915	
40-35100-51710	Water Supply-Ben Empl Money Purchase Pn	40 : 35100	PERSONNEL	Source of Supply	\$ 8,910	\$ 9,177	\$ 9,452	\$ 9,736	\$ 10,028	\$ 10,329	\$ 10,639	\$ 10,958	\$ 11,287	\$ 11,626	\$ 11,975	
40-35100-51740	Water Supply-Empl Assist. Program	40 : 35100	PERSONNEL	Source of Supply	\$ 35	\$ 36	\$ 37	\$ 38	\$ 39	\$ 40	\$ 41	\$ 42	\$ 43	\$ 44	\$ 45	
40-35100-51750	Water Supply-Ben Flex Administration	40 : 35100	PERSONNEL	Source of Supply	\$ 54	\$ 56	\$ 58	\$ 60	\$ 62	\$ 64	\$ 66	\$ 68	\$ 70	\$ 72	\$ 74	
40-35100-51810	Water Supply-Insurance MCEP	40 : 35100	PERSONNEL	Source of Supply	\$ 25,305	\$ 26,064	\$ 26,846	\$ 27,651	\$ 28,481	\$ 29,335	\$ 30,215	\$ 31,121	\$ 32,055	\$ 33,017	\$ 34,008	
40-35100-51830	Water Supply-Insurance Dental	40 : 35100	PERSONNEL	Source of Supply	\$ 1,396	\$ 1,438	\$ 1,481	\$ 1,525	\$ 1,571	\$ 1,618	\$ 1,667	\$ 1,717	\$ 1,769	\$ 1,822	\$ 1,877	
40-35100-51840	Water Supply-Insurance Life/ADD/LD	40 : 35100	PERSONNEL	Source of Supply	\$ 643	\$ 662	\$ 682	\$ 702	\$ 723	\$ 745	\$ 767	\$ 790	\$ 814	\$ 838	\$ 863	
40-35100-52110	Water Supply-Supplies-Office	40 : 35100	OPERATING	Source of Supply	\$ 200	\$ 206	\$ 212	\$ 218	\$ 225	\$ 232	\$ 239	\$ 246	\$ 253	\$ 261	\$ 269	
40-35100-52120	Water Supply-Supplies-Electronics	40 : 35100	OPERATING	Source of Supply	\$ 80	\$ 82	\$ 84	\$ 87	\$ 90	\$ 93	\$ 96	\$ 99	\$ 102	\$ 105	\$ 108	
40-35100-52130	Water Supply-Supplies-Safety	40 : 35100	OPERATING	Source of Supply	\$ 1,110	\$ 1,143	\$ 1,177	\$ 1,212	\$ 1,248	\$ 1,285	\$ 1,324	\$ 1,364	\$ 1,405	\$ 1,447	\$ 1,490	
40-35100-52190	Water Supply-Supplies-Other	40 : 35100	OPERATING	Source of Supply	\$ 128	\$ 132	\$ 136	\$ 140	\$ 144	\$ 148	\$ 152	\$ 157	\$ 162	\$ 167	\$ 172	
40-35100-52510	Water Supply-Equipment-Office	40 : 35100	OPERATING	Source of Supply	\$ 122	\$ 126	\$ 130	\$ 134	\$ 138	\$ 142	\$ 146	\$ 150	\$ 155	\$ 160	\$ 165	
40-35100-52520	Water Supply-Equipment-Electronics	40 : 35100	OPERATING	Source of Supply	\$ 128	\$ 132	\$ 136	\$ 140	\$ 144	\$ 148	\$ 152	\$ 157	\$ 162	\$ 167	\$ 172	
40-35100-52590	Water Supply-Equipment-Other	40 : 35100	OPERATING	Source of Supply	\$ 900	\$ 927	\$ 955	\$ 984	\$ 1,014	\$ 1,044	\$ 1,075	\$ 1,107	\$ 1,140	\$ 1,174	\$ 1,209	
40-35100-52790	Water Supply-Repair & Mtce-Other	40 : 35100	OPERATING	Source of Supply	\$ 950	\$ 979	\$ 1,008	\$ 1,038	\$ 1,069	\$ 1,101	\$ 1,134	\$ 1,168	\$ 1,203	\$ 1,239	\$ 1,276	
40-35100-53170	Water Supply-Professional Svcs-Misc	40 : 35100	OPERATING	Source of Supply	\$ 2,398,713	\$ 2,470,674	\$ 2,544,794	\$ 2,621,138	\$ 2,699,772	\$ 2,780,765	\$ 2,864,188	\$ 2,950,114	\$ 3,038,617	\$ 3,129,776	\$ 3,223,669	
40-35100-53210	Water Supply-Trng & Trvl-Dept Spec	40 : 35100	OPERATING	Source of Supply	\$ 6,215	\$ 6,401	\$ 6,593	\$ 6,791	\$ 6,995	\$ 7,205	\$ 7,421	\$ 7,644	\$ 7,873	\$ 8,109	\$ 8,352	
40-35100-53420	Water Supply-Postage/Shipping/freight	40 : 35100	OPERATING	Source of Supply	\$ 45	\$ 46	\$ 47	\$ 48	\$ 49	\$ 50	\$ 52	\$ 54	\$ 56	\$ 58	\$ 60	
40-35100-53430	Water Supply-Dues/Subsc/Licenses	40 : 35100	OPERATING	Source of Supply	\$ 31,375	\$ 32,316	\$ 33,285	\$ 34,284	\$ 35,313	\$ 36,372	\$ 37,463	\$ 38,587	\$ 39,745	\$ 40,937	\$ 42,165	
40-35100-53440	Water Supply-Advertising	40 : 35100	OPERATING	Source of Supply	\$ 2,500	\$ 2,575	\$ 2,652	\$ 2,732	\$ 2,814	\$ 2,898	\$ 2,985	\$ 3,075	\$ 3,167	\$ 3,262	\$ 3,360	
40-35100-53450	Water Supply-Food and Meeting	40 : 35100	OPERATING	Source of Supply	\$ 200	\$ 206	\$ 212	\$ 218	\$ 225	\$ 232	\$ 239	\$ 246	\$ 253	\$ 261	\$ 269	
40-35100-53460	Water Supply-Community Sponsorship	40 : 35100	OPERATING	Source of Supply	\$ 300	\$ 309	\$ 318	\$ 328	\$ 338	\$ 348	\$ 358	\$ 369	\$ 380	\$ 391	\$ 403	
40-35100-53470	Water Supply-Employee Recognition	40 : 35100	OPERATING	Source of Supply	\$ 274	\$ 282	\$ 290	\$ 299	\$ 308	\$ 317	\$ 327	\$ 337	\$ 347	\$ 357	\$ 368	
40-35100-53550	Water Supply-Util-Cell Phone/Pager Serv	40 : 35100	OPERATING	Source of Supply	\$ 1,297	\$ 1,336	\$ 1,376	\$ 1,417	\$ 1,460	\$ 1,504	\$ 1,549	\$ 1,595	\$ 1,643	\$ 1,692	\$ 1,743	
40-35100-53690	Water Supply-Repair & Mtce Svcs-Other	40 : 35100	OPERATING	Source of Supply	\$ 2,050	\$ 2,112	\$ 2,175	\$ 2,240	\$ 2,307	\$ 2,376	\$ 2,447	\$ 2,520	\$ 2,596	\$ 2,674	\$ 2,754	
40-35100-53790	Water Supply-Rentals & Leases-Other	40 : 35100	OPERATING	Source of Supply	\$ 18,000	\$ 18,540	\$ 19,096	\$ 19,669	\$ 20,259	\$ 20,867	\$ 21,493	\$ 22,138	\$ 22,802	\$ 23,486	\$ 24,191	
40-35100-537911	Windy Gap Additional O&M	40 : 35100	OPERATING	Source of Supply	\$ 2,706,550	\$ 2,704,800	\$ 2,705,550	\$ 2,704,050	\$ 2,705,800	\$ 2,706,050	\$ 2,705,300	\$ 2,704,050	\$ 2,702,800	\$ 2,702,050	\$ 2,707,300	
	Total Personnel				\$ 197,478	\$ 203,402	\$ 209,505	\$ 215,789	\$ 222,263	\$ 228,930	\$ 235,798	\$ 242,871	\$ 250,158	\$ 257,662	\$ 265,392	
	Total Operating				\$ 5,171,137	\$ 5,243,324	\$ 5,320,226	\$ 5,397,167	\$ 5,479,712	\$ 5,563,177	\$ 5,648,140	\$ 5,735,177	\$ 5,824,861	\$ 5,917,773	\$ 6,019,495	
	Total Debt Service				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	Total Capital Outlay				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	Total Transfers				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	Total 40 : Water 35100 : Water Supply				\$ 5,368,615	\$ 5,446,726	\$ 5,529,731	\$ 5,612,956	\$ 5,701,975	\$ 5,792,107	\$ 5,883,938	\$ 5,978,048	\$ 6,075,019	\$ 6,175,435	\$ 6,284,887	

CITY AND COUNTY OF BROOMFIELD, CO
WATER, RECLAIMED & SEWER SYSTEM
REVENUES AND EXPENSES - WATER

Acct	Description	Utility	Type	Department	Adjusted Budget	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	
					2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	
40 : WATER 35200 : WATER TREATMENT PLANT																
40-35200-51110	Water Treatment Plant-Salaries Full Time	40 : 35200	PERSONNEL	Treatment	\$ 742,369	\$ 764,640	\$ 787,579	\$ 811,206	\$ 835,542	\$ 860,608	\$ 886,426	\$ 913,019	\$ 940,410	\$ 968,622	\$ 997,681	
40-35200-51410	Water Treatment Plant-Overtime	40 : 35200	PERSONNEL	Treatment	\$ 9,484	\$ 9,769	\$ 10,062	\$ 10,364	\$ 10,675	\$ 10,995	\$ 11,325	\$ 11,665	\$ 12,015	\$ 12,375	\$ 12,746	
40-35200-51510	Water Treatment Plant-Holiday Pay	40 : 35200	PERSONNEL	Treatment	\$ 18,504	\$ 19,059	\$ 19,631	\$ 20,220	\$ 20,827	\$ 21,452	\$ 22,096	\$ 22,759	\$ 23,442	\$ 24,145	\$ 24,869	
40-35200-51520	Water Treatment Plant-On Call Pay	40 : 35200	PERSONNEL	Treatment	\$ 18,755	\$ 19,318	\$ 19,898	\$ 20,495	\$ 21,110	\$ 21,743	\$ 22,395	\$ 23,067	\$ 23,759	\$ 24,472	\$ 25,206	
40-35200-51610	Water Treatment Plant-Social Security	40 : 35200	PERSONNEL	Treatment	\$ 49,027	\$ 50,498	\$ 52,013	\$ 53,573	\$ 55,180	\$ 56,835	\$ 58,540	\$ 60,296	\$ 62,105	\$ 63,968	\$ 65,887	
40-35200-51620	Water Treatment Plant-Medicare	40 : 35200	PERSONNEL	Treatment	\$ 11,466	\$ 11,810	\$ 12,164	\$ 12,529	\$ 12,905	\$ 13,292	\$ 13,691	\$ 14,102	\$ 14,525	\$ 14,961	\$ 15,410	
40-35200-51710	Water Treatment Plant-Ben Empl Money Purchase Pn	40 : 35200	PERSONNEL	Treatment	\$ 41,269	\$ 42,507	\$ 43,782	\$ 45,095	\$ 46,448	\$ 47,841	\$ 49,276	\$ 50,754	\$ 52,277	\$ 53,845	\$ 55,460	
40-35200-51720	Water Treatment Plant-Benefits Employee Pension	40 : 35200	PERSONNEL	Treatment	\$ 3,724	\$ 3,836	\$ 3,951	\$ 4,070	\$ 4,192	\$ 4,318	\$ 4,448	\$ 4,581	\$ 4,718	\$ 4,860	\$ 5,006	
40-35200-51740	Water Treatment Plant-Empl Assist. Program	40 : 35200	PERSONNEL	Treatment	\$ 217	\$ 224	\$ 231	\$ 238	\$ 245	\$ 252	\$ 260	\$ 268	\$ 276	\$ 284	\$ 293	
40-35200-51750	Water Treatment Plant-Ben Flex Administration	40 : 35200	PERSONNEL	Treatment	\$ 100	\$ 103	\$ 106	\$ 109	\$ 112	\$ 115	\$ 118	\$ 122	\$ 126	\$ 130	\$ 134	
40-35200-51780	Water Treatment Plant-Retiree Health Savings Plan	40 : 35200	PERSONNEL	Treatment	\$ 6,556	\$ 6,753	\$ 6,956	\$ 7,165	\$ 7,380	\$ 7,601	\$ 7,829	\$ 8,064	\$ 8,306	\$ 8,555	\$ 8,812	
40-35200-51810	Water Treatment Plant-Insurance MCEP	40 : 35200	PERSONNEL	Treatment	\$ 153,999	\$ 158,619	\$ 163,378	\$ 168,279	\$ 173,327	\$ 178,527	\$ 183,883	\$ 189,399	\$ 195,081	\$ 200,933	\$ 206,961	
40-35200-51820	Water Treatment Plant-Insurance Kaiser	40 : 35200	PERSONNEL	Treatment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
40-35200-51830	Water Treatment Plant-Insurance Dental	40 : 35200	PERSONNEL	Treatment	\$ 6,880	\$ 7,086	\$ 7,299	\$ 7,518	\$ 7,744	\$ 7,976	\$ 8,215	\$ 8,461	\$ 8,715	\$ 8,976	\$ 9,245	
40-35200-51840	Water Treatment Plant-Insurance Life/ADD/LD	40 : 35200	PERSONNEL	Treatment	\$ 3,208	\$ 3,304	\$ 3,403	\$ 3,505	\$ 3,610	\$ 3,718	\$ 3,830	\$ 3,945	\$ 4,063	\$ 4,185	\$ 4,311	
40-35200-52110	Water Treatment Plant-Supplies-Office	40 : 35200	OPERATING	Treatment	\$ 600	\$ 618	\$ 637	\$ 656	\$ 676	\$ 696	\$ 717	\$ 739	\$ 761	\$ 784	\$ 808	
40-35200-52120	Water Treatment Plant-Supplies-Electronics	40 : 35200	OPERATING	Treatment	\$ 260	\$ 268	\$ 276	\$ 284	\$ 293	\$ 302	\$ 311	\$ 320	\$ 330	\$ 340	\$ 350	
40-35200-52130	Water Treatment Plant-Supplies-Safety	40 : 35200	OPERATING	Treatment	\$ 5,510	\$ 5,675	\$ 5,845	\$ 6,020	\$ 6,201	\$ 6,387	\$ 6,579	\$ 6,776	\$ 6,979	\$ 7,188	\$ 7,404	
40-35200-52140	Water Treatment Plant-Supplies-Fuel	40 : 35200	OPERATING	Treatment	\$ 9,700	\$ 9,991	\$ 10,291	\$ 10,600	\$ 10,918	\$ 11,246	\$ 11,583	\$ 11,930	\$ 12,288	\$ 12,657	\$ 13,037	
40-35200-52150	Water Treatment Plant-Supplies-Chemicals	40 : 35200	OPERATING	Treatment	\$ 586,600	\$ 604,198	\$ 622,324	\$ 640,994	\$ 660,224	\$ 680,031	\$ 700,432	\$ 721,445	\$ 743,088	\$ 765,381	\$ 788,342	
40-35200-52190	Water Treatment Plant-Supplies-Other	40 : 35200	OPERATING	Treatment	\$ 600	\$ 618	\$ 637	\$ 656	\$ 676	\$ 696	\$ 717	\$ 739	\$ 761	\$ 784	\$ 808	
40-35200-52510	Water Treatment Plant-Equipment-Office	40 : 35200	OPERATING	Treatment	\$ 250	\$ 258	\$ 266	\$ 274	\$ 282	\$ 290	\$ 299	\$ 308	\$ 317	\$ 327	\$ 337	
40-35200-52520	Water Treatment Plant-Equipment-Electronics	40 : 35200	OPERATING	Treatment	\$ 600	\$ 618	\$ 637	\$ 656	\$ 676	\$ 696	\$ 717	\$ 739	\$ 761	\$ 784	\$ 808	
40-35200-52530	Water Treatment Plant-Equipment-Safety	40 : 35200	OPERATING	Treatment	\$ 400	\$ 412	\$ 424	\$ 437	\$ 450	\$ 464	\$ 478	\$ 492	\$ 507	\$ 522	\$ 538	
40-35200-52590	Water Treatment Plant-Equipment-Other	40 : 35200	OPERATING	Treatment	\$ 5,747	\$ 5,919	\$ 6,097	\$ 6,280	\$ 6,468	\$ 6,662	\$ 6,862	\$ 7,068	\$ 7,280	\$ 7,498	\$ 7,723	
40-35200-52790	Water Treatment Plant-Repair & Mtce-Other	40 : 35200	OPERATING	Treatment	\$ 32,790	\$ 33,774	\$ 34,787	\$ 35,831	\$ 36,906	\$ 38,013	\$ 39,153	\$ 40,328	\$ 41,538	\$ 42,784	\$ 44,068	
40-35200-53170	Water Treatment Plant-Professional Svcs-Misc	40 : 35200	OPERATING	Treatment	\$ 7,155,329	\$ 7,369,989	\$ 7,591,089	\$ 7,818,822	\$ 8,053,387	\$ 8,294,989	\$ 8,543,839	\$ 8,800,154	\$ 9,064,159	\$ 9,336,084	\$ 9,616,167	
40-35200-53210	Water Treatment Plant-Trng & Trvl-Dept Spec	40 : 35200	OPERATING	Treatment	\$ 4,622	\$ 4,761	\$ 4,904	\$ 5,051	\$ 5,203	\$ 5,359	\$ 5,520	\$ 5,686	\$ 5,857	\$ 6,033	\$ 6,214	
40-35200-53420	Water Treatment Plant-Postage/Shipping/Freight	40 : 35200	OPERATING	Treatment	\$ 460	\$ 474	\$ 488	\$ 503	\$ 518	\$ 534	\$ 550	\$ 567	\$ 584	\$ 602	\$ 620	
40-35200-53430	Water Treatment Plant-Dues/Subsc/Licenses	40 : 35200	OPERATING	Treatment	\$ 21,295	\$ 21,934	\$ 22,592	\$ 23,270	\$ 23,968	\$ 24,687	\$ 25,428	\$ 26,191	\$ 26,977	\$ 27,786	\$ 28,620	
40-35200-53470	Water Treatment Plant-Employee Recognition	40 : 35200	OPERATING	Treatment	\$ 900	\$ 927	\$ 955	\$ 984	\$ 1,014	\$ 1,044	\$ 1,075	\$ 1,107	\$ 1,140	\$ 1,174	\$ 1,209	
40-35200-53510	Water Treatment Plant-Utilities-Gas	40 : 35200	OPERATING	Treatment	\$ 10,827	\$ 11,152	\$ 11,487	\$ 11,832	\$ 12,187	\$ 12,553	\$ 12,930	\$ 13,318	\$ 13,718	\$ 14,130	\$ 14,554	
40-35200-53520	Water Treatment Plant-Utilities-Electricity	40 : 35200	OPERATING	Treatment	\$ 573,132	\$ 590,326	\$ 608,036	\$ 626,277	\$ 645,065	\$ 664,417	\$ 684,350	\$ 704,881	\$ 726,027	\$ 747,808	\$ 770,242	
40-35200-53530	Water Treatment Plant-Utilities-Water/Sewer	40 : 35200	OPERATING	Treatment	\$ 28,835	\$ 29,700	\$ 30,591	\$ 31,509	\$ 32,454	\$ 33,428	\$ 34,431	\$ 35,464	\$ 36,528	\$ 37,624	\$ 38,753	
40-35200-53550	Water Treatment Plant-Util-Cell Phone/Pager Serv	40 : 35200	OPERATING	Treatment	\$ 6,842	\$ 7,047	\$ 7,258	\$ 7,476	\$ 7,700	\$ 7,931	\$ 8,169	\$ 8,414	\$ 8,666	\$ 8,926	\$ 9,194	
40-35200-53690	Water Treatment Plant-Repair & Mtce Svcs-Other	40 : 35200	OPERATING	Treatment	\$ 26,049	\$ 26,830	\$ 27,635	\$ 28,464	\$ 29,318	\$ 30,198	\$ 31,104	\$ 32,037	\$ 32,998	\$ 33,988	\$ 35,008	
	Total Personnel				\$ 1,065,558	\$ 1,097,526	\$ 1,130,453	\$ 1,164,366	\$ 1,199,297	\$ 1,235,273	\$ 1,272,332	\$ 1,310,502	\$ 1,349,818	\$ 1,390,311	\$ 1,432,021	
	Total Operating				\$ 8,471,348	\$ 8,725,489	\$ 8,987,256	\$ 9,256,876	\$ 9,534,584	\$ 9,820,623	\$ 10,115,244	\$ 10,418,703	\$ 10,731,264	\$ 11,053,204	\$ 11,384,804	
	Total Debt Service				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	Total Capital Outlay				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	Total Transfers				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	Total 40 : Water 35200 : Water Treatment Plant				\$ 9,536,906	\$ 9,823,015	\$ 10,117,709	\$ 10,421,242	\$ 10,733,881	\$ 11,055,896	\$ 11,387,576	\$ 11,729,205	\$ 12,081,082	\$ 12,443,515	\$ 12,816,825	

CITY AND COUNTY OF BROOMFIELD, CO
 WATER, RECLAIMED & SEWER SYSTEM
 REVENUES AND EXPENSES - WATER

Acct	Description	Utility	Type	Department	Adjusted Budget	Projected										
					2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	
40 : WATER 35300 : WATER SYSTEM OPS/MICE																
40-35300-51110	Water System Ops/Mtce-Salaries Full Time	40 : 35300	PERSONNEL	Transmission & Distribution	\$ 809,362	\$ 833,643	\$ 858,652	\$ 884,412	\$ 910,944	\$ 938,272	\$ 966,420	\$ 995,413	\$ 1,025,275	\$ 1,056,033	\$ 1,087,714	
40-35300-51310	Water System Ops/Mtce-Salaries Temporary	40 : 35300	PERSONNEL	Transmission & Distribution	\$ 72,930	\$ 75,118	\$ 77,372	\$ 79,693	\$ 82,084	\$ 84,547	\$ 87,083	\$ 89,695	\$ 92,386	\$ 95,158	\$ 98,013	
40-35300-51410	Water System Ops/Mtce-Overtime	40 : 35300	PERSONNEL	Transmission & Distribution	\$ 80,000	\$ 82,400	\$ 84,872	\$ 87,418	\$ 90,041	\$ 92,742	\$ 95,524	\$ 98,390	\$ 101,342	\$ 104,382	\$ 107,513	
40-35300-51510	Water System Ops/Mtce-Holiday Pay	40 : 35300	PERSONNEL	Transmission & Distribution	\$ 2,084	\$ 2,147	\$ 2,211	\$ 2,277	\$ 2,345	\$ 2,415	\$ 2,487	\$ 2,562	\$ 2,639	\$ 2,718	\$ 2,800	
40-35300-51520	Water System Ops/Mtce-On Call Pay	40 : 35300	PERSONNEL	Transmission & Distribution	\$ 11,965	\$ 12,324	\$ 12,694	\$ 13,075	\$ 13,467	\$ 13,871	\$ 14,287	\$ 14,716	\$ 15,157	\$ 15,612	\$ 16,080	
40-35300-51610	Water System Ops/Mtce-Social Security	40 : 35300	PERSONNEL	Transmission & Distribution	\$ 60,895	\$ 62,722	\$ 64,604	\$ 66,542	\$ 68,538	\$ 70,594	\$ 72,712	\$ 74,893	\$ 77,140	\$ 79,454	\$ 81,838	
40-35300-51620	Water System Ops/Mtce-Medicare	40 : 35300	PERSONNEL	Transmission & Distribution	\$ 14,242	\$ 14,669	\$ 15,109	\$ 15,562	\$ 16,029	\$ 16,510	\$ 17,005	\$ 17,515	\$ 18,040	\$ 18,581	\$ 19,138	
40-35300-51710	Water System Ops/Mtce-Ben Empl Money Purchase Pn	40 : 35300	PERSONNEL	Transmission & Distribution	\$ 46,458	\$ 47,852	\$ 49,288	\$ 50,767	\$ 52,290	\$ 53,859	\$ 55,475	\$ 57,139	\$ 58,853	\$ 60,619	\$ 62,438	
40-35300-51720	Water System Ops/Mtce-Benefits Employee Pension	40 : 35300	PERSONNEL	Transmission & Distribution	\$ 2,667	\$ 2,747	\$ 2,829	\$ 2,914	\$ 3,001	\$ 3,091	\$ 3,184	\$ 3,280	\$ 3,378	\$ 3,479	\$ 3,583	
40-35300-51740	Water System Ops/Mtce-Empl Assist. Program	40 : 35300	PERSONNEL	Transmission & Distribution	\$ 290	\$ 299	\$ 308	\$ 317	\$ 327	\$ 337	\$ 347	\$ 357	\$ 368	\$ 379	\$ 390	
40-35300-51750	Water System Ops/Mtce-Ben Flex Administration	40 : 35300	PERSONNEL	Transmission & Distribution	\$ 324	\$ 334	\$ 344	\$ 354	\$ 365	\$ 376	\$ 387	\$ 399	\$ 411	\$ 423	\$ 436	
40-35300-51780	Water System Ops/Mtce-Retiree Health Savings Plan	40 : 35300	PERSONNEL	Transmission & Distribution	\$ 6,807	\$ 7,011	\$ 7,221	\$ 7,438	\$ 7,661	\$ 7,891	\$ 8,128	\$ 8,372	\$ 8,623	\$ 8,882	\$ 9,148	
40-35300-51810	Water System Ops/Mtce-Insurance MCEP	40 : 35300	PERSONNEL	Transmission & Distribution	\$ 159,060	\$ 163,832	\$ 168,747	\$ 173,809	\$ 179,023	\$ 184,394	\$ 189,926	\$ 195,624	\$ 201,493	\$ 207,538	\$ 213,764	
40-35300-51820	Water System Ops/Mtce-Insurance Kaiser	40 : 35300	PERSONNEL	Transmission & Distribution	\$ 14,460	\$ 14,894	\$ 15,341	\$ 15,801	\$ 16,275	\$ 16,763	\$ 17,266	\$ 17,784	\$ 18,318	\$ 18,868	\$ 19,434	
40-35300-51830	Water System Ops/Mtce-Insurance Dental	40 : 35300	PERSONNEL	Transmission & Distribution	\$ 7,376	\$ 7,597	\$ 7,825	\$ 8,060	\$ 8,302	\$ 8,551	\$ 8,808	\$ 9,072	\$ 9,344	\$ 9,624	\$ 9,913	
40-35300-51840	Water System Ops/Mtce-Insurance Life/ADD/LD	40 : 35300	PERSONNEL	Transmission & Distribution	\$ 3,502	\$ 3,607	\$ 3,715	\$ 3,826	\$ 3,941	\$ 4,059	\$ 4,181	\$ 4,306	\$ 4,435	\$ 4,568	\$ 4,705	
40-35300-52110	Water System Ops/Mtce-Supplies-Office	40 : 35300	OPERATING	Transmission & Distribution	\$ 400	\$ 412	\$ 424	\$ 437	\$ 450	\$ 464	\$ 478	\$ 492	\$ 507	\$ 522	\$ 538	
40-35300-52120	Water System Ops/Mtce-Supplies-Electronics	40 : 35300	OPERATING	Transmission & Distribution	\$ 747	\$ 769	\$ 792	\$ 816	\$ 840	\$ 865	\$ 891	\$ 918	\$ 946	\$ 974	\$ 1,003	
40-35300-52130	Water System Ops/Mtce-Supplies-Safety	40 : 35300	OPERATING	Transmission & Distribution	\$ 18,504	\$ 19,059	\$ 19,631	\$ 20,220	\$ 20,827	\$ 21,452	\$ 22,096	\$ 22,759	\$ 23,442	\$ 24,145	\$ 24,869	
40-35300-52140	Water System Ops/Mtce-Supplies-Fuel	40 : 35300	OPERATING	Transmission & Distribution	\$ 2,397	\$ 2,469	\$ 2,543	\$ 2,619	\$ 2,698	\$ 2,779	\$ 2,862	\$ 2,948	\$ 3,036	\$ 3,127	\$ 3,221	
40-35300-52150	Water System Ops/Mtce-Supplies-Chemicals	40 : 35300	OPERATING	Transmission & Distribution	\$ 10,149	\$ 10,453	\$ 10,767	\$ 11,090	\$ 11,423	\$ 11,766	\$ 12,119	\$ 12,483	\$ 12,857	\$ 13,243	\$ 13,640	
40-35300-52190	Water System Ops/Mtce-Supplies-Other	40 : 35300	OPERATING	Transmission & Distribution	\$ 29,035	\$ 29,906	\$ 30,803	\$ 31,727	\$ 32,679	\$ 33,659	\$ 34,669	\$ 35,709	\$ 36,780	\$ 37,883	\$ 39,019	
40-35300-52520	Water System Ops/Mtce-Equipment-Electronics	40 : 35300	OPERATING	Transmission & Distribution	\$ 350	\$ 361	\$ 372	\$ 383	\$ 394	\$ 406	\$ 418	\$ 431	\$ 444	\$ 457	\$ 471	
40-35300-52530	Water System Ops/Mtce-Equipment-Safety	40 : 35300	OPERATING	Transmission & Distribution	\$ 14,603	\$ 15,041	\$ 15,492	\$ 15,957	\$ 16,436	\$ 16,929	\$ 17,437	\$ 17,960	\$ 18,499	\$ 19,054	\$ 19,626	
40-35300-52590	Water System Ops/Mtce-Equipment-Other	40 : 35300	OPERATING	Transmission & Distribution	\$ 391,579	\$ 403,326	\$ 415,426	\$ 427,889	\$ 440,726	\$ 453,948	\$ 467,566	\$ 481,593	\$ 496,041	\$ 510,922	\$ 526,250	
40-35300-52790	Water System Ops/Mtce-Repair & Mtce-Other	40 : 35300	OPERATING	Transmission & Distribution	\$ 82,700	\$ 85,181	\$ 87,736	\$ 90,368	\$ 93,079	\$ 95,871	\$ 98,747	\$ 101,709	\$ 104,760	\$ 107,903	\$ 111,140	
40-35300-53120	Water System Ops/Mtce-Professional Svcs-Electron	40 : 35300	OPERATING	Transmission & Distribution	\$ 4,695	\$ 4,836	\$ 4,981	\$ 5,130	\$ 5,284	\$ 5,443	\$ 5,606	\$ 5,774	\$ 5,947	\$ 6,125	\$ 6,309	
40-35300-53170	Water System Ops/Mtce-Professional Svcs-Misc	40 : 35300	OPERATING	Transmission & Distribution	\$ 36,320	\$ 37,410	\$ 38,532	\$ 39,688	\$ 40,879	\$ 42,105	\$ 43,368	\$ 44,669	\$ 46,009	\$ 47,389	\$ 48,811	
40-35300-53210	Water System Ops/Mtce-Trng & Trvl-Dept Spec	40 : 35300	OPERATING	Transmission & Distribution	\$ 4,580	\$ 4,717	\$ 4,859	\$ 5,005	\$ 5,155	\$ 5,310	\$ 5,469	\$ 5,633	\$ 5,802	\$ 5,976	\$ 6,155	
40-35300-53410	Water System Ops/Mtce-Printing & Forms	40 : 35300	OPERATING	Transmission & Distribution	\$ 550	\$ 567	\$ 584	\$ 602	\$ 620	\$ 639	\$ 658	\$ 678	\$ 698	\$ 719	\$ 741	
40-35300-53420	Water System Ops/Mtce-Postage/Shipping/Freight	40 : 35300	OPERATING	Transmission & Distribution	\$ 850	\$ 876	\$ 902	\$ 929	\$ 957	\$ 986	\$ 1,016	\$ 1,046	\$ 1,077	\$ 1,109	\$ 1,142	
40-35300-53430	Water System Ops/Mtce-Dues/Subscrl/Licenses	40 : 35300	OPERATING	Transmission & Distribution	\$ 1,354	\$ 1,395	\$ 1,437	\$ 1,480	\$ 1,524	\$ 1,570	\$ 1,617	\$ 1,666	\$ 1,716	\$ 1,767	\$ 1,820	
40-35300-53440	Water System Ops/Mtce-Advertising	40 : 35300	OPERATING	Transmission & Distribution	\$ 250	\$ 258	\$ 266	\$ 274	\$ 282	\$ 290	\$ 299	\$ 308	\$ 317	\$ 327	\$ 337	
40-35300-53450	Water System Ops/Mtce-Food and Meeting	40 : 35300	OPERATING	Transmission & Distribution	\$ 535	\$ 551	\$ 568	\$ 585	\$ 603	\$ 621	\$ 640	\$ 659	\$ 679	\$ 699	\$ 720	
40-35300-53470	Water System Ops/Mtce-Employee Recognition	40 : 35300	OPERATING	Transmission & Distribution	\$ 552	\$ 569	\$ 586	\$ 604	\$ 622	\$ 641	\$ 660	\$ 680	\$ 700	\$ 721	\$ 743	
40-35300-53510	Water System Ops/Mtce-Utilities-Gas	40 : 35300	OPERATING	Transmission & Distribution	\$ 1,440	\$ 1,483	\$ 1,527	\$ 1,573	\$ 1,620	\$ 1,669	\$ 1,719	\$ 1,771	\$ 1,824	\$ 1,879	\$ 1,935	
40-35300-53520	Water System Ops/Mtce-Utilities-Electricity	40 : 35300	OPERATING	Transmission & Distribution	\$ 60,852	\$ 62,678	\$ 64,558	\$ 66,495	\$ 68,490	\$ 70,545	\$ 72,661	\$ 74,841	\$ 77,086	\$ 79,399	\$ 81,781	
40-35300-53530	Water System Ops/Mtce-Utilities-Water/Sewer	40 : 35300	OPERATING	Transmission & Distribution	\$ 187	\$ 193	\$ 199	\$ 205	\$ 211	\$ 217	\$ 224	\$ 231	\$ 238	\$ 245	\$ 252	
40-35300-53550	Water System Ops/Mtce-Util-Cell Phone/Pager Serv	40 : 35300	OPERATING	Transmission & Distribution	\$ 13,188	\$ 13,584	\$ 13,992	\$ 14,412	\$ 14,844	\$ 15,289	\$ 15,748	\$ 16,220	\$ 16,707	\$ 17,208	\$ 17,724	
40-35300-53630	Water System Ops/Mtce-R & M Svcs-Electronics	40 : 35300	OPERATING	Transmission & Distribution	\$ 11,125	\$ 11,459	\$ 11,803	\$ 12,157	\$ 12,522	\$ 12,898	\$ 13,285	\$ 13,684	\$ 14,095	\$ 14,518	\$ 14,954	
40-35300-53690	Water System Ops/Mtce-Repair & Mtce Svcs-Other	40 : 35300	OPERATING	Transmission & Distribution	\$ 22,400	\$ 23,072	\$ 23,764	\$ 24,477	\$ 25,211	\$ 25,967	\$ 26,746	\$ 27,548	\$ 28,374	\$ 29,225	\$ 30,102	
40-35300-53710	Water System Ops/Mtce-Rentals & Leases-Buildings	40 : 35300	OPERATING	Transmission & Distribution	\$ 2,113	\$ 2,176	\$ 2,241	\$ 2,308	\$ 2,377	\$ 2,448	\$ 2,521	\$ 2,597	\$ 2,675	\$ 2,755	\$ 2,838	
40-35300-53720	Water System Ops/Mtce-Rentals & Leases-Vehicles	40 : 35300	OPERATING	Transmission & Distribution	\$ 1,700	\$ 1,751	\$ 1,804	\$ 1,858	\$ 1,914	\$ 1,971	\$ 2,030	\$ 2,091	\$ 2,154	\$ 2,219	\$ 2,286	
40-35300-54500	Water System Ops/Mtce-Vehicles	40 : 35300	CAPITAL	Transmission & Distribution	\$ 48,800	\$ 50,264	\$ 51,772	\$ 53,325	\$ 54,925	\$ 56,573	\$ 58,270	\$ 60,018	\$ 61,819	\$ 63,674	\$ 65,584	
Total Personnel					\$ 1,292,422	\$ 1,331,196	\$ 1,371,132	\$ 1,412,265	\$ 1,454,633	\$ 1,498,272	\$ 1,543,220	\$ 1,589,517	\$ 1,637,202	\$ 1,686,318	\$ 1,736,907	
Total Operating					\$ 713,155	\$ 734,552	\$ 756,589	\$ 779,288	\$ 802,667	\$ 826,748	\$ 851,550	\$ 877,098	\$ 903,410	\$ 930,510	\$ 958,427	
Total Debt Service					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total Capital Outlay					\$ 48,800	\$ 50,264	\$ 51,772	\$ 53,325	\$ 54,925	\$ 56,573	\$ 58,270	\$ 60,018	\$ 61,819	\$ 63,674	\$ 65,584	
Total Transfers					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total 40 : Water 35300 : Water System Ops/Mtce					\$ 2,054,377	\$ 2,116,012	\$ 2,179,493	\$ 2,244,878	\$ 2,312,225	\$ 2,381,593	\$ 2,453,040	\$ 2,526,633	\$ 2,602,431	\$ 2,680,502	\$ 2,760,918	

CITY AND COUNTY OF BROOMFIELD, CO
 WATER, RECLAIMED & SEWER SYSTEM
 REVENUES AND EXPENSES - WATER

Acct	Description	Utility	Type	Department	Adjusted Budget	Projected										
					2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	
40 : WATER 35400 : ENVIRONMENTAL MONITORING																
40-35400-51110	Environmental Monitoring-Salaries Full Time	40 : 35400	PERSONNEL	Admin	\$ 583,566	\$ 601,073	\$ 619,105	\$ 637,678	\$ 656,808	\$ 676,512	\$ 696,807	\$ 717,711	\$ 739,242	\$ 761,419	\$ 784,262	
40-35400-51310	Environmental Monitoring-Salaries Temporary	40 : 35400	PERSONNEL	Admin	\$ 21,600	\$ 22,248	\$ 22,915	\$ 23,602	\$ 24,310	\$ 25,039	\$ 25,790	\$ 26,564	\$ 27,361	\$ 28,182	\$ 29,027	
40-35400-51410	Environmental Monitoring-Overtime	40 : 35400	PERSONNEL	Admin	\$ 10,703	\$ 11,024	\$ 11,355	\$ 11,696	\$ 12,047	\$ 12,408	\$ 12,780	\$ 13,163	\$ 13,558	\$ 13,965	\$ 14,384	
40-35400-51510	Environmental Monitoring-Holiday Pay	40 : 35400	PERSONNEL	Admin	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
40-35400-51610	Environmental Monitoring-Social Security	40 : 35400	PERSONNEL	Admin	\$ 38,184	\$ 39,330	\$ 40,510	\$ 41,725	\$ 42,977	\$ 44,266	\$ 45,594	\$ 46,962	\$ 48,371	\$ 49,822	\$ 51,317	
40-35400-51620	Environmental Monitoring-Medicare	40 : 35400	PERSONNEL	Admin	\$ 8,930	\$ 9,198	\$ 9,474	\$ 9,758	\$ 10,051	\$ 10,353	\$ 10,664	\$ 10,984	\$ 11,314	\$ 11,653	\$ 12,003	
40-35400-51710	Environmental Monitoring-Ben Empl Money Purchase P	40 : 35400	PERSONNEL	Admin	\$ 31,788	\$ 32,742	\$ 33,724	\$ 34,736	\$ 35,778	\$ 36,851	\$ 37,957	\$ 39,096	\$ 40,269	\$ 41,477	\$ 42,721	
40-35400-51720	Environmental Monitoring-Benefits Employee Pension	40 : 35400	PERSONNEL	Admin	\$ 3,596	\$ 3,704	\$ 3,815	\$ 3,929	\$ 4,047	\$ 4,168	\$ 4,293	\$ 4,422	\$ 4,555	\$ 4,692	\$ 4,833	
40-35400-51740	Environmental Monitoring-Empl Assist. Program	40 : 35400	PERSONNEL	Admin	\$ 155	\$ 160	\$ 165	\$ 170	\$ 175	\$ 180	\$ 185	\$ 191	\$ 197	\$ 203	\$ 209	
40-35400-51750	Environmental Monitoring-Ben Flex Administration	40 : 35400	PERSONNEL	Admin	\$ 149	\$ 153	\$ 158	\$ 163	\$ 168	\$ 173	\$ 178	\$ 183	\$ 188	\$ 194	\$ 200	
40-35400-51780	Environmental Monitoring-Retiree Health Savings Pl	40 : 35400	PERSONNEL	Admin	\$ 8,057	\$ 8,299	\$ 8,548	\$ 8,804	\$ 9,068	\$ 9,340	\$ 9,620	\$ 9,909	\$ 10,206	\$ 10,512	\$ 10,827	
40-35400-51810	Environmental Monitoring-Insurance MCEP	40 : 35400	PERSONNEL	Admin	\$ 112,065	\$ 115,427	\$ 118,890	\$ 122,457	\$ 126,131	\$ 129,915	\$ 133,812	\$ 137,826	\$ 141,961	\$ 146,220	\$ 150,607	
40-35400-51830	Environmental Monitoring-Insurance Dental	40 : 35400	PERSONNEL	Admin	\$ 4,672	\$ 4,812	\$ 4,956	\$ 5,105	\$ 5,258	\$ 5,416	\$ 5,578	\$ 5,745	\$ 5,917	\$ 6,095	\$ 6,278	
40-35400-51840	Environmental Monitoring-Insurance Life/ADD/LD	40 : 35400	PERSONNEL	Admin	\$ 2,522	\$ 2,598	\$ 2,676	\$ 2,756	\$ 2,839	\$ 2,924	\$ 3,012	\$ 3,102	\$ 3,195	\$ 3,291	\$ 3,390	
40-35400-52110	Environmental Monitoring-Supplies-Office	40 : 35400	OPERATING	Admin	\$ 805	\$ 829	\$ 854	\$ 880	\$ 906	\$ 933	\$ 961	\$ 990	\$ 1,020	\$ 1,051	\$ 1,083	
40-35400-52120	Environmental Monitoring-Supplies-Electronics	40 : 35400	OPERATING	Admin	\$ 311	\$ 320	\$ 330	\$ 340	\$ 350	\$ 361	\$ 372	\$ 383	\$ 394	\$ 406	\$ 418	
40-35400-52130	Environmental Monitoring-Supplies-Safety	40 : 35400	OPERATING	Admin	\$ 7,050	\$ 7,262	\$ 7,480	\$ 7,704	\$ 7,935	\$ 8,173	\$ 8,418	\$ 8,671	\$ 8,931	\$ 9,199	\$ 9,475	
40-35400-52150	Environmental Monitoring-Supplies-Chemicals	40 : 35400	OPERATING	Admin	\$ 31,257	\$ 32,195	\$ 33,161	\$ 34,156	\$ 35,181	\$ 36,236	\$ 37,323	\$ 38,443	\$ 39,596	\$ 40,784	\$ 42,008	
40-35400-52190	Environmental Monitoring-Supplies-Other	40 : 35400	OPERATING	Admin	\$ 3,605	\$ 3,713	\$ 3,824	\$ 3,939	\$ 4,057	\$ 4,179	\$ 4,304	\$ 4,433	\$ 4,566	\$ 4,703	\$ 4,844	
40-35400-52520	Environmental Monitoring-Equipment-Electronics	40 : 35400	OPERATING	Admin	\$ 1,600	\$ 1,648	\$ 1,697	\$ 1,748	\$ 1,800	\$ 1,854	\$ 1,910	\$ 1,967	\$ 2,026	\$ 2,087	\$ 2,150	
40-35400-52530	Environmental Monitoring-Equipment-Safety	40 : 35400	OPERATING	Admin	\$ 1,450	\$ 1,494	\$ 1,539	\$ 1,585	\$ 1,633	\$ 1,682	\$ 1,732	\$ 1,784	\$ 1,838	\$ 1,893	\$ 1,950	
40-35400-52590	Environmental Monitoring-Equipment-Other	40 : 35400	OPERATING	Admin	\$ 8,496	\$ 8,751	\$ 9,014	\$ 9,284	\$ 9,563	\$ 9,850	\$ 10,146	\$ 10,450	\$ 10,764	\$ 11,087	\$ 11,420	
40-35400-52790	Environmental Monitoring-Repair & Mtce-Other	40 : 35400	OPERATING	Admin	\$ 11,488	\$ 11,833	\$ 12,188	\$ 12,554	\$ 12,931	\$ 13,319	\$ 13,719	\$ 14,131	\$ 14,555	\$ 14,992	\$ 15,442	
40-35400-53170	Environmental Monitoring-Professional Svcs-Misc	40 : 35400	OPERATING	Admin	\$ 46,167	\$ 47,552	\$ 48,979	\$ 50,448	\$ 51,961	\$ 53,520	\$ 55,126	\$ 56,780	\$ 58,483	\$ 60,237	\$ 62,044	
40-35400-53210	Environmental Monitoring-Trng & Trvl-Dept Spec	40 : 35400	OPERATING	Admin	\$ 11,779	\$ 12,132	\$ 12,496	\$ 12,871	\$ 13,257	\$ 13,655	\$ 14,065	\$ 14,487	\$ 14,922	\$ 15,370	\$ 15,831	
40-35400-53410	Environmental Monitoring-Printing & Forms	40 : 35400	OPERATING	Admin	\$ 831	\$ 856	\$ 882	\$ 908	\$ 935	\$ 963	\$ 992	\$ 1,022	\$ 1,053	\$ 1,085	\$ 1,118	
40-35400-53420	Environmental Monitoring-Postage/Shipping/Freight	40 : 35400	OPERATING	Admin	\$ 450	\$ 464	\$ 478	\$ 492	\$ 507	\$ 522	\$ 538	\$ 554	\$ 571	\$ 588	\$ 606	
40-35400-53430	Environmental Monitoring-Dues/Subsc/Licenses	40 : 35400	OPERATING	Admin	\$ 12,223	\$ 12,590	\$ 12,968	\$ 13,357	\$ 13,758	\$ 14,171	\$ 14,596	\$ 15,034	\$ 15,485	\$ 15,950	\$ 16,429	
40-35400-53440	Environmental Monitoring-Advertising	40 : 35400	OPERATING	Admin	\$ 220	\$ 227	\$ 234	\$ 241	\$ 248	\$ 255	\$ 263	\$ 271	\$ 279	\$ 287	\$ 296	
40-35400-53450	Environmental Monitoring-Food and Meeting	40 : 35400	OPERATING	Admin	\$ 200	\$ 206	\$ 212	\$ 218	\$ 225	\$ 232	\$ 239	\$ 246	\$ 253	\$ 261	\$ 269	
40-35400-53470	Environmental Monitoring-Employee Recognition	40 : 35400	OPERATING	Admin	\$ 800	\$ 824	\$ 849	\$ 874	\$ 900	\$ 927	\$ 955	\$ 984	\$ 1,014	\$ 1,044	\$ 1,075	
40-35400-53550	Environmental Monitoring-Util-Cell Phone/Pager Ser	40 : 35400	OPERATING	Admin	\$ 1,952	\$ 2,011	\$ 2,071	\$ 2,133	\$ 2,197	\$ 2,263	\$ 2,331	\$ 2,401	\$ 2,473	\$ 2,547	\$ 2,623	
40-35400-53630	Environmental Monitoring-R & M Svcs-Electronics	40 : 35400	OPERATING	Admin	\$ 9,181	\$ 9,456	\$ 9,740	\$ 10,032	\$ 10,333	\$ 10,643	\$ 10,962	\$ 11,291	\$ 11,630	\$ 11,979	\$ 12,338	
40-35400-53690	Environmental Monitoring-Repair & Mtce Svcs-Othe	40 : 35400	OPERATING	Admin	\$ 89,644	\$ 92,333	\$ 95,103	\$ 97,956	\$ 100,895	\$ 103,922	\$ 107,040	\$ 110,251	\$ 113,559	\$ 116,966	\$ 120,475	
40-35400-53790	Environmental Monitoring-Rentals & Leases-Other	40 : 35400	OPERATING	Admin	\$ 2,755	\$ 2,838	\$ 2,923	\$ 3,011	\$ 3,101	\$ 3,194	\$ 3,290	\$ 3,389	\$ 3,491	\$ 3,596	\$ 3,704	
Total Personnel					\$ 825,987	\$ 850,768	\$ 876,291	\$ 902,579	\$ 929,657	\$ 957,545	\$ 986,270	\$ 1,015,858	\$ 1,046,334	\$ 1,077,725	\$ 1,110,058	
Total Operating					\$ 242,264	\$ 249,534	\$ 257,022	\$ 264,731	\$ 272,673	\$ 280,854	\$ 289,282	\$ 297,962	\$ 306,903	\$ 316,112	\$ 325,598	
Total Debt Service					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total Capital Outlay					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total Transfers					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total 40 : Water 35400 : Environmental Monitoring					\$ 1,068,251	\$ 1,100,302	\$ 1,133,313	\$ 1,167,310	\$ 1,202,330	\$ 1,238,399	\$ 1,275,552	\$ 1,313,820	\$ 1,353,237	\$ 1,393,837	\$ 1,435,656	

CITY AND COUNTY OF BROOMFIELD, CO
 WATER, RECLAIMED & SEWER SYSTEM
 REVENUES AND EXPENSES - WATER

Acct	Description	Utility	Type	Department	Adjusted Budget	Projected										
					2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	
40 : WATER 35500 : GWR WATER PROTECTION																
40-35500-52150	GWR Water Protection-Supplies-Chemicals	40 : 35500	PERSONNEL	Treatment	\$ 1,000	\$ 1,030	\$ 1,061	\$ 1,093	\$ 1,126	\$ 1,160	\$ 1,195	\$ 1,231	\$ 1,268	\$ 1,306	\$ 1,345	
40-35500-52190	GWR Water Protection-Supplies-Other	40 : 35500	PERSONNEL	Treatment	\$ 517	\$ 533	\$ 549	\$ 565	\$ 582	\$ 599	\$ 617	\$ 636	\$ 655	\$ 675	\$ 695	
40-35500-52590	GWR Water Protection-Equipment-Other	40 : 35500	PERSONNEL	Treatment	\$ 2,237	\$ 2,304	\$ 2,373	\$ 2,444	\$ 2,517	\$ 2,593	\$ 2,671	\$ 2,751	\$ 2,834	\$ 2,919	\$ 3,007	
40-35500-52790	GWR Water Protection-Repair & Mtce-Other	40 : 35500	PERSONNEL	Treatment	\$ 4,452	\$ 4,586	\$ 4,724	\$ 4,866	\$ 5,012	\$ 5,162	\$ 5,317	\$ 5,477	\$ 5,641	\$ 5,810	\$ 5,984	
40-35500-53110	GWR Water Protection-Professional Svcs-Legal	40 : 35500	OPERATING	Treatment	\$ 15,000	\$ 15,450	\$ 15,914	\$ 16,391	\$ 16,883	\$ 17,389	\$ 17,911	\$ 18,448	\$ 19,001	\$ 19,571	\$ 20,158	
40-35500-53170	GWR Water Protection-Professional Svcs-Misc	40 : 35500	OPERATING	Treatment	\$ 18,254	\$ 18,802	\$ 19,366	\$ 19,947	\$ 20,545	\$ 21,161	\$ 21,796	\$ 22,450	\$ 23,124	\$ 23,818	\$ 24,533	
40-35500-53420	GWR Water Protection-Postage/Shipping/Freight	40 : 35500	OPERATING	Treatment	\$ 306	\$ 315	\$ 324	\$ 334	\$ 344	\$ 354	\$ 365	\$ 376	\$ 387	\$ 399	\$ 411	
40-35500-53430	GWR Water Protection-Dues/Subst/Licenses	40 : 35500	OPERATING	Treatment	\$ 1,000	\$ 1,030	\$ 1,061	\$ 1,093	\$ 1,126	\$ 1,160	\$ 1,195	\$ 1,231	\$ 1,268	\$ 1,306	\$ 1,345	
40-35500-53690	GWR Water Protection-Repair & Mtce Svcs-Other	40 : 35500	OPERATING	Treatment	\$ 3,000	\$ 3,090	\$ 3,183	\$ 3,278	\$ 3,376	\$ 3,477	\$ 3,581	\$ 3,688	\$ 3,799	\$ 3,913	\$ 4,030	
40-35500-53790	GWR Water Protection-Rentals & Leases-Other	40 : 35500	OPERATING	Treatment	\$ 2,500	\$ 2,575	\$ 2,652	\$ 2,732	\$ 2,814	\$ 2,898	\$ 2,985	\$ 3,075	\$ 3,167	\$ 3,262	\$ 3,360	
	Total Personnel				\$ 8,206	\$ 8,453	\$ 8,707	\$ 8,968	\$ 9,237	\$ 9,514	\$ 9,800	\$ 10,095	\$ 10,398	\$ 10,710	\$ 11,031	
	Total Operating				\$ 40,060	\$ 41,262	\$ 42,500	\$ 43,775	\$ 45,088	\$ 46,439	\$ 47,833	\$ 49,268	\$ 50,746	\$ 52,269	\$ 53,837	
	Total Debt Service				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	Total Capital Outlay				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	Total Transfers				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	Total 40 : Water 35500 : Gwr Water Protection				\$ 48,266	\$ 49,715	\$ 51,207	\$ 52,743	\$ 54,325	\$ 55,953	\$ 57,633	\$ 59,363	\$ 61,144	\$ 62,979	\$ 64,868	
40 : WATER 50600 : UTILITY BILLING																
40-50600-51110	Utility Billing-Salaries Full Time	40 : 50600	PERSONNEL	Admin	\$ 165,241	\$ 170,198	\$ 175,304	\$ 180,563	\$ 185,980	\$ 191,559	\$ 197,306	\$ 203,225	\$ 209,322	\$ 215,602	\$ 222,070	
40-50600-51210	Utility Billing-Salaries Part Time	40 : 50600	PERSONNEL	Admin	\$ 44,197	\$ 45,523	\$ 46,889	\$ 48,296	\$ 49,745	\$ 51,237	\$ 52,774	\$ 54,357	\$ 55,988	\$ 57,668	\$ 59,398	
40-50600-51610	Utility Billing-Social Security	40 : 50600	PERSONNEL	Admin	\$ 12,985	\$ 13,375	\$ 13,776	\$ 14,189	\$ 14,615	\$ 15,053	\$ 15,505	\$ 15,970	\$ 16,449	\$ 16,942	\$ 17,450	
40-50600-51620	Utility Billing-Medicare	40 : 50600	PERSONNEL	Admin	\$ 3,037	\$ 3,128	\$ 3,222	\$ 3,319	\$ 3,419	\$ 3,522	\$ 3,628	\$ 3,737	\$ 3,849	\$ 3,964	\$ 4,083	
40-50600-51710	Utility Billing-Ben Empl Money Purchase Pn	40 : 50600	PERSONNEL	Admin	\$ 9,914	\$ 10,211	\$ 10,517	\$ 10,833	\$ 11,158	\$ 11,493	\$ 11,838	\$ 12,193	\$ 12,559	\$ 12,936	\$ 13,324	
40-50600-51740	Utility Billing-Empl Assist. Program	40 : 50600	PERSONNEL	Admin	\$ 90	\$ 93	\$ 96	\$ 99	\$ 102	\$ 105	\$ 108	\$ 111	\$ 114	\$ 117	\$ 121	
40-50600-51750	Utility Billing-Ben Flex Administration	40 : 50600	PERSONNEL	Admin	\$ 122	\$ 126	\$ 130	\$ 134	\$ 138	\$ 142	\$ 146	\$ 150	\$ 155	\$ 160	\$ 165	
40-50600-51760	Utility Billing-City Contribution to Deferred Comp	40 : 50600	PERSONNEL	Admin	\$ 2,652	\$ 2,732	\$ 2,814	\$ 2,898	\$ 2,985	\$ 3,075	\$ 3,167	\$ 3,262	\$ 3,360	\$ 3,461	\$ 3,565	
40-50600-51780	Utility Billing-Retiree Health Savings Plan	40 : 50600	PERSONNEL	Admin	\$ 488	\$ 503	\$ 518	\$ 534	\$ 550	\$ 567	\$ 584	\$ 602	\$ 620	\$ 639	\$ 658	
40-50600-51810	Utility Billing-Insurance MCEP	40 : 50600	PERSONNEL	Admin	\$ 43,380	\$ 44,681	\$ 46,021	\$ 47,402	\$ 48,824	\$ 50,289	\$ 51,798	\$ 53,352	\$ 54,953	\$ 56,602	\$ 58,300	
40-50600-51830	Utility Billing-Insurance Dental	40 : 50600	PERSONNEL	Admin	\$ 2,228	\$ 2,295	\$ 2,364	\$ 2,435	\$ 2,508	\$ 2,583	\$ 2,660	\$ 2,740	\$ 2,822	\$ 2,907	\$ 2,994	
40-50600-51840	Utility Billing-Insurance Life/ADD/LD	40 : 50600	PERSONNEL	Admin	\$ 786	\$ 810	\$ 834	\$ 859	\$ 885	\$ 912	\$ 939	\$ 967	\$ 996	\$ 1,026	\$ 1,057	
40-50600-52110	Utility Billing-Supplies-Office	40 : 50600	OPERATING	Admin	\$ 450	\$ 464	\$ 478	\$ 492	\$ 507	\$ 522	\$ 538	\$ 554	\$ 571	\$ 588	\$ 606	
40-50600-52120	Utility Billing-Supplies-Electronics	40 : 50600	OPERATING	Admin	\$ 200	\$ 206	\$ 212	\$ 218	\$ 225	\$ 232	\$ 239	\$ 246	\$ 253	\$ 261	\$ 269	
40-50600-52130	Utility Billing-Supplies-Safety	40 : 50600	OPERATING	Admin	\$ 450	\$ 464	\$ 478	\$ 492	\$ 507	\$ 522	\$ 538	\$ 554	\$ 571	\$ 588	\$ 606	
40-50600-52520	Utility Billing-Equipment-Electronics	40 : 50600	OPERATING	Admin	\$ 176	\$ 181	\$ 186	\$ 192	\$ 198	\$ 204	\$ 210	\$ 216	\$ 222	\$ 229	\$ 236	
40-50600-52590	Utility Billing-Equipment-Other	40 : 50600	OPERATING	Admin	\$ 172	\$ 177	\$ 182	\$ 187	\$ 193	\$ 199	\$ 205	\$ 211	\$ 217	\$ 224	\$ 231	
40-50600-53120	Utility Billing-Professional Svcs-Electronics	40 : 50600	OPERATING	Admin	\$ 689	\$ 710	\$ 731	\$ 753	\$ 776	\$ 799	\$ 823	\$ 848	\$ 873	\$ 899	\$ 926	
40-50600-53142	Utility Billing-Audit Fees	40 : 50600	OPERATING	Admin	\$ 28,866	\$ 29,732	\$ 30,624	\$ 31,543	\$ 32,489	\$ 33,464	\$ 34,468	\$ 35,502	\$ 36,567	\$ 37,664	\$ 38,794	
40-50600-53170	Utility Billing-Professional Svcs-Misc	40 : 50600	OPERATING	Admin	\$ 192,275	\$ 198,043	\$ 203,984	\$ 210,104	\$ 216,407	\$ 222,899	\$ 229,586	\$ 236,474	\$ 243,568	\$ 250,875	\$ 258,401	
40-50600-53410	Utility Billing-Printing & Forms	40 : 50600	OPERATING	Admin	\$ 12,405	\$ 12,777	\$ 13,160	\$ 13,555	\$ 13,962	\$ 14,381	\$ 14,812	\$ 15,256	\$ 15,714	\$ 16,185	\$ 16,671	
40-50600-53420	Utility Billing-Postage/Shipping/Freight	40 : 50600	OPERATING	Admin	\$ 65,102	\$ 67,055	\$ 69,067	\$ 71,139	\$ 73,273	\$ 75,471	\$ 77,735	\$ 80,067	\$ 82,469	\$ 84,943	\$ 87,491	
40-50600-53470	Utility Billing-Employee Recognition	40 : 50600	OPERATING	Admin	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
40-50600-53550	Utility Billing-Util-Cell Phone/Pager Serv	40 : 50600	OPERATING	Admin	\$ 954	\$ 983	\$ 1,012	\$ 1,042	\$ 1,073	\$ 1,105	\$ 1,138	\$ 1,172	\$ 1,207	\$ 1,243	\$ 1,280	
	Total Personnel				\$ 285,120	\$ 293,675	\$ 302,485	\$ 311,561	\$ 320,909	\$ 330,537	\$ 340,453	\$ 350,666	\$ 361,187	\$ 372,024	\$ 383,185	
	Total Operating				\$ 301,739	\$ 310,792	\$ 320,114	\$ 329,717	\$ 339,610	\$ 349,798	\$ 360,292	\$ 371,100	\$ 382,232	\$ 393,699	\$ 405,511	
	Total Debt Service				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	Total Capital Outlay				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	Total Transfers				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	Total 40 : Water 50600 : Utility Billing				\$ 586,859	\$ 604,467	\$ 622,599	\$ 641,278	\$ 660,519	\$ 680,335	\$ 700,745	\$ 721,766	\$ 743,419	\$ 765,723	\$ 788,696	

CITY AND COUNTY OF BROOMFIELD, CO
 WATER, RECLAIMED & SEWER SYSTEM
 REVENUES AND EXPENSES - WATER

Acct	Description	Utility	Type	Department	Adjusted Budget	Projected										
					2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	
40 : MISC. WATER EXPENDITURES																
40-16500-53155	Insurance-Retiree Prem Reimb	MISC WATER	OPERATING	Admin	\$ 31,278	\$ 32,216	\$ 33,182	\$ 34,177	\$ 35,202	\$ 36,258	\$ 37,346	\$ 38,466	\$ 39,620	\$ 40,809	\$ 42,033	
40-16500-53350	Insurance-Unemployment	MISC WATER	OPERATING	Admin	\$ 500	\$ 515	\$ 530	\$ 546	\$ 562	\$ 579	\$ 596	\$ 614	\$ 632	\$ 651	\$ 671	
40-16500-53370	Insurance-Worker's Comp	MISC WATER	OPERATING	Admin	\$ 39,322	\$ 40,502	\$ 41,717	\$ 42,969	\$ 44,258	\$ 45,586	\$ 46,954	\$ 48,363	\$ 49,814	\$ 51,308	\$ 52,847	
40-16500-53380	Insurance-Worker's Comp Deduct	MISC WATER	OPERATING	Admin	\$ 13,414	\$ 13,816	\$ 14,230	\$ 14,657	\$ 15,097	\$ 15,550	\$ 16,017	\$ 16,498	\$ 16,993	\$ 17,503	\$ 18,028	
40-50300-53310	Risk Mgmt-Ins-Gen Liability	MISC WATER	OPERATING	Admin	\$ 43,506	\$ 44,811	\$ 46,155	\$ 47,540	\$ 48,966	\$ 50,435	\$ 51,948	\$ 53,506	\$ 55,111	\$ 56,764	\$ 58,467	
40-50300-53320	Risk Mgmt-Ins-Uncovered Losses	MISC WATER	OPERATING	Admin	\$ 72,182	\$ 74,347	\$ 76,577	\$ 78,874	\$ 81,240	\$ 83,677	\$ 86,187	\$ 88,773	\$ 91,436	\$ 94,179	\$ 97,004	
40-90100-59050	Contrib Defined Benefit	MISC WATER	OPERATING	Admin	\$ 187,399	\$ 193,021	\$ 198,812	\$ 204,776	\$ 210,919	\$ 217,247	\$ 223,764	\$ 230,477	\$ 237,391	\$ 244,513	\$ 251,848	
40-91100-59045	Compensation - Pool Merit	MISC WATER	OPERATING	Admin	\$ 97,473	\$ 100,397	\$ 103,409	\$ 106,511	\$ 109,706	\$ 112,997	\$ 116,387	\$ 119,879	\$ 123,475	\$ 127,179	\$ 130,994	
40-92300-57501	Transfers for Svcs Rendered-Serv Rnder-To City Gen	MISC WATER	TRANSFER OUT	Transfers	\$ 1,210,262	\$ 1,252,621	\$ 1,296,463	\$ 1,341,839	\$ 1,388,803	\$ 1,437,411	\$ 1,487,720	\$ 1,539,790	\$ 1,593,683	\$ 1,649,462	\$ 1,707,193	
40-92300-57503	Transfers for Svcs Rendered-Serv Rnder -To Facilit	MISC WATER	TRANSFER OUT	Transfers	\$ 211,344	\$ 218,741	\$ 226,397	\$ 234,321	\$ 242,522	\$ 251,010	\$ 259,795	\$ 268,888	\$ 278,299	\$ 288,039	\$ 298,120	
	Total Personnel				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	Total Operating				\$ 485,074	\$ 499,625	\$ 514,612	\$ 530,050	\$ 545,950	\$ 562,329	\$ 579,199	\$ 596,576	\$ 614,472	\$ 632,906	\$ 651,892	
	Total Debt Service				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	Total Capital Outlay				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	Total Transfers				\$ 1,421,606	\$ 1,471,362	\$ 1,522,860	\$ 1,576,160	\$ 1,631,325	\$ 1,688,421	\$ 1,747,515	\$ 1,808,678	\$ 1,871,982	\$ 1,937,501	\$ 2,005,313	
	Total 40 : Misc. Water Expenditures				\$ 1,906,680	\$ 1,970,987	\$ 2,037,472	\$ 2,106,210	\$ 2,177,275	\$ 2,250,750	\$ 2,326,714	\$ 2,405,254	\$ 2,486,454	\$ 2,570,407	\$ 2,657,205	
	Check				TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	
WATER DEBT SERVICE																
	Water Debt Service															
	Water Revenue Bonds, Series 2021 (Windy Gap Project)	WATER	EXISTING	DEBT	\$ 8,694,700	\$ 8,693,450	\$ 8,695,200	\$ 8,694,450	\$ 8,695,950	\$ 8,694,200	\$ 8,693,950	\$ 8,694,700	\$ 8,695,950	\$ 8,697,200	\$ 8,697,950	
	Total Water Debt Service				\$ 8,694,700	\$ 8,693,450	\$ 8,695,200	\$ 8,694,450	\$ 8,695,950	\$ 8,694,200	\$ 8,693,950	\$ 8,694,700	\$ 8,695,950	\$ 8,697,200	\$ 8,697,950	

APPENDIX B

Sewer Financial Plan

CITY AND COUNTY OF BROOMFIELD, CO
 WATER, RECLAIMED & SEWER SYSTEM
 PROJECTED OPERATING RESULTS - WASTEWATER

Line	Description	Existing 2022	Proposed 2023	Year Ending December 31,								
				2024	2025	2026	2027	2028	2029	2030	2031	2032
REVENUES												
Operating Revenues												
1	Wastewater Service Charges	\$ 10,276,033	\$ 11,081,471	\$ 11,869,275	\$ 12,716,707	\$ 13,328,664	\$ 13,972,251	\$ 14,538,564	\$ 15,128,862	\$ 15,744,189	\$ 16,385,635	\$ 17,054,339
2	Base Charge - Percentage Rate Adjustment		5.00%	4.00%	4.00%	3.00%	3.00%	2.00%	2.00%	2.00%	2.00%	2.00%
3	Volumetric Charge - Percentage Rate Adjustment		5.00%	4.00%	4.00%	3.00%	3.00%	2.00%	2.00%	2.00%	2.00%	2.00%
Other Operating Revenues												
4	Water License Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5	Sewer License Fees	-	-	-	-	-	-	-	-	-	-	-
6	Reclaim Water License Fees	-	-	-	-	-	-	-	-	-	-	-
7	Miscellaneous Revenues	486,325	486,325	486,325	486,325	486,325	486,325	486,325	486,325	486,325	486,325	486,325
Other Non-Operating Revenues												
8	Interest	675,075	675,075	1,007,409	1,286,579	1,089,823	1,119,991	758,997	635,175	813,241	990,955	1,183,978
9	Total Revenues	\$ 11,437,433	\$ 12,242,871	\$ 13,363,009	\$ 14,489,611	\$ 14,904,812	\$ 15,578,567	\$ 15,783,886	\$ 16,250,362	\$ 17,043,755	\$ 17,862,915	\$ 18,724,642
Current Expenses												
10	45 - Wastewater 37100 : Sewer Treatment Plant	3,444,222	3,547,551	3,653,979	3,763,601	3,876,510	3,992,806	4,112,592	4,235,969	4,363,047	4,493,939	4,628,759
11	45 - Wastewater 37200 : Industrial Pretreatment	235,763	242,835	250,120	257,623	265,352	273,314	281,513	289,956	298,652	307,609	316,838
12	45 - Wastewater 37300 : Sewer System Ops/Mtce	1,272,642	1,310,822	1,350,145	1,390,647	1,432,365	1,475,336	1,519,596	1,565,185	1,612,141	1,660,506	1,710,320
13	45 - Wastewater 37400 : Laboratory Operations	597,306	615,225	633,679	652,691	672,269	692,436	713,211	734,607	756,644	779,346	802,727
14	45 - Wastewater 38600 : Sewer Stormwater	335,176	345,231	355,587	366,256	377,245	388,562	400,218	412,225	424,590	437,328	450,448
15	45 - Wastewater 38900 : Sewer Stormwater - O & M	349,206	359,682	370,471	381,585	393,032	404,822	416,965	429,475	442,361	455,632	469,301
16	45 - Wastewater 38900 : Sewer Stormwater - Envr Svc:	186,735	192,338	198,110	204,055	210,176	216,482	222,976	229,666	236,555	243,654	250,963
17	45 - Wastewater 50600 : Utility Billing	195,432	201,297	207,337	213,558	219,964	226,562	233,359	240,357	247,568	254,996	262,645
18	45 : Misc Wastewater Expenditures	383,125	394,619	406,458	418,652	431,212	444,148	457,472	471,197	485,332	499,891	514,888
19	Total Current Expenses	\$ 6,999,607	\$ 7,209,600	\$ 7,425,886	\$ 7,648,668	\$ 7,878,125	\$ 8,114,468	\$ 8,357,902	\$ 8,608,637	\$ 8,866,890	\$ 9,132,901	\$ 9,406,889
20	Income Available for Debt Service	\$ 4,437,826	\$ 5,033,271	\$ 5,937,123	\$ 6,840,943	\$ 7,026,687	\$ 7,464,099	\$ 7,425,984	\$ 7,641,725	\$ 8,176,865	\$ 8,730,014	\$ 9,317,753
DEBT SERVICE												
Parity Indebtedness												
21	2012 Sewer Revenue Bond Refunding	\$ 2,430,013	\$ 2,437,263	\$ 2,445,013	\$ 2,453,013	\$ 2,456,013	\$ 2,469,813	\$ 2,476,363	\$ 2,485,813	\$ 2,500,188	\$ 2,508,975	\$ -
22	Total Parity Indebtedness	\$ 2,430,013	\$ 2,437,263	\$ 2,445,013	\$ 2,453,013	\$ 2,456,013	\$ 2,469,813	\$ 2,476,363	\$ 2,485,813	\$ 2,500,188	\$ 2,508,975	\$ -
New Debt												
23	Wastewater System Improvements - Rural Dev. Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
25	Wastewater System Improvements - SRF Loan	-	-	-	-	-	-	-	-	-	-	-
26	Wastewater System Improvements - Installment Deb	-	-	-	-	-	-	-	-	-	-	-
27	Wastewater System Improvements - Revenue Bond	-	-	-	2,432,000	2,432,000	2,432,000	2,432,000	2,432,000	2,432,000	2,432,000	2,432,000
28	Total New Debt	\$ -	\$ -	\$ -	\$ 2,432,000							
29	Total Indebtedness	\$ 2,430,013	\$ 2,437,263	\$ 2,445,013	\$ 4,885,013	\$ 4,888,013	\$ 4,901,813	\$ 4,908,363	\$ 4,917,813	\$ 4,932,188	\$ 4,940,975	\$ 2,432,000
30	Net Results of Operations	\$ 2,007,813	\$ 2,596,008	\$ 3,492,110	\$ 1,955,930	\$ 2,138,674	\$ 2,562,286	\$ 2,517,621	\$ 2,723,912	\$ 3,244,677	\$ 3,789,039	\$ 6,885,753
DEBT SERVICE COVERAGE												
Income Available for Debt Service												
31	From Operations	\$ 4,437,826	\$ 5,033,271	\$ 5,937,123	\$ 6,840,943	\$ 7,026,687	\$ 7,464,099	\$ 7,425,984	\$ 7,641,725	\$ 8,176,865	\$ 8,730,014	\$ 9,317,753
32	Plus: 100.00% of License Fee Revenue Included Towards DSC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
33	Total Income Available for Debt Service	\$ 4,437,826	\$ 5,033,271	\$ 5,937,123	\$ 6,840,943	\$ 7,026,687	\$ 7,464,099	\$ 7,425,984	\$ 7,641,725	\$ 8,176,865	\$ 8,730,014	\$ 9,317,753
Debt Service Coverage - Parity Indebtedness												
Excluding License Fee Revenues												
34	Calculated	1.83	2.07	2.43	1.40	1.44	1.52	1.51	1.55	1.66	1.77	3.83
35	Targeted	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
36	Required	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
Including License Fee Revenues												
37	Calculated	1.83	2.07	2.43	1.40	1.44	1.52	1.51	1.55	1.66	1.77	3.83
38	Targeted	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
39	Required	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
Debt Service Coverage - Total Indebtedness												
Excluding License Fee Revenues												
40	Calculated	1.83	2.07	2.43	1.40	1.44	1.52	1.51	1.55	1.66	1.77	3.83
41	Targeted	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
42	Required	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
Including License Fee Revenues												
43	Calculated	1.83	2.07	2.43	1.40	1.44	1.52	1.51	1.55	1.66	1.77	3.83
44	Targeted	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
45	Required	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
46	Capital Outlay	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
47	Transfers In	-	-	-	-	-	-	-	-	-	-	-
48	Transfers Out	(1,225,299)	(1,268,184)	(1,312,571)	(1,358,511)	(1,406,059)	(1,455,271)	(1,506,205)	(1,558,923)	(1,613,485)	(1,669,957)	(1,728,405)
49	Net Results	\$ 782,514	\$ 1,327,824	\$ 2,179,539	\$ 597,419	\$ 732,615	\$ 1,107,015	\$ 1,011,416	\$ 1,164,989	\$ 1,631,192	\$ 2,119,082	\$ 5,157,348

CITY AND COUNTY OF BROOMFIELD, CO
WATER, RECLAIMED & SEWER SYSTEM
PROJECTED OPERATING RESULTS - WASTEWATER

Line	Description	Existing 2022	Proposed 2023	Year Ending December 31,								
				2024	2025	2026	2027	2028	2029	2030	2031	2032
RESERVE FUND BALANCE ACTIVITY												
Wastewater Fund Balance												
1	Beginning Fund Balance	\$ 9,433,739	\$ 2,338,565	\$ 4,568,135	\$ 3,205,757	\$ 2,518,300	\$ 2,675,600	\$ 2,052,792	\$ 2,513,560	\$ 2,458,317	\$ 3,505,325	\$ 4,329,864
2	Total Revenues	11,437,433	12,242,871	13,363,009	14,489,611	14,904,812	15,578,567	15,783,886	16,250,362	17,043,755	17,862,915	18,724,642
	Less											
3	O&M	6,999,607	7,209,600	7,425,886	7,648,668	7,878,125	8,114,468	8,357,902	8,608,637	8,866,890	9,132,901	9,406,889
4	Debt Service	2,430,013	2,437,263	2,445,013	4,885,013	4,888,013	4,901,813	4,908,363	4,917,813	4,932,188	4,940,975	2,432,000
5	Other Expenditures/Transfers	1,225,299	1,268,184	1,312,571	1,358,511	1,406,059	1,455,271	1,506,205	1,558,923	1,613,485	1,669,957	1,728,405
6	Capital Projects From Capital Improvement Plan	7,877,688	7,098,254	3,541,916	1,284,876	575,315	1,729,822	550,649	1,220,232	584,184	1,294,544	619,760
7	Loan To/(From) License Fee Fund	-	8,000,000	-	-	-	-	-	-	-	-	(3,900,000)
8	Total Expenditures	\$ 18,532,607	\$ 10,013,301	\$ 14,725,386	\$ 15,177,068	\$ 14,747,512	\$ 16,201,374	\$ 15,323,119	\$ 16,305,605	\$ 15,996,747	\$ 17,038,377	\$ 18,087,054
9	Net Cash Flow	\$ (7,095,174)	\$ 2,229,570	\$ (1,362,377)	\$ (687,457)	\$ 157,300	\$ (622,807)	\$ 460,767	\$ (55,242)	\$ 1,047,008	\$ 824,539	\$ 637,588
10	Ending Fund Balance	\$ 2,338,565	\$ 4,568,135	\$ 3,205,757	\$ 2,518,300	\$ 2,675,600	\$ 2,052,792	\$ 2,513,560	\$ 2,458,317	\$ 3,505,325	\$ 4,329,864	\$ 4,967,452
11	Targeted Fund Balance	\$ 3,451,861	\$ 3,555,419	\$ 3,662,081	\$ 3,771,946	\$ 3,885,103	\$ 4,001,655	\$ 4,121,705	\$ 4,245,355	\$ 4,372,713	\$ 4,503,896	\$ 4,639,014
12	Difference Between Target and Actual Fund Balance	\$ (1,113,296)	\$ 1,012,715	\$ (456,324)	\$ (1,253,646)	\$ (1,209,503)	\$ (1,948,863)	\$ (1,608,145)	\$ (1,787,038)	\$ (867,387)	\$ (174,032)	\$ 328,438
13	Days Cash on Hand	122	231	158	120	124	92	110	104	144	173	193
14	Targeted Days Cash on Hand	180	180	180	180	180	180	180	180	180	180	180
Wastewater License Fee Balance												
15	Beginning Fund Balance	\$ 55,242,998	\$ 69,446,150	\$ 96,172,745	\$ 125,452,134	\$ 106,463,959	\$ 109,323,511	\$ 73,846,955	\$ 61,003,959	\$ 78,865,781	\$ 95,590,206	\$ 114,067,954
16	License Fee Revenues	21,849,207	35,581,679	37,004,946	38,485,144	17,010,433	17,299,611	17,593,704	17,892,797	18,196,975	18,506,323	18,820,931
17	Growth Related Capital Projects From Capital Improvement Plan	(7,646,055)	(855,083)	(7,725,557)	(57,473,318)	(14,150,882)	(52,776,167)	(30,436,701)	(30,974)	(1,472,551)	(28,575)	(470,908)
18	Loan To/(From) License Fee Fund	-	(8,000,000)	-	-	-	-	-	-	-	-	3,900,000
19	Ending Fund Balance	\$ 69,446,150	\$ 96,172,745	\$ 125,452,134	\$ 106,463,959	\$ 109,323,511	\$ 73,846,955	\$ 61,003,959	\$ 78,865,781	\$ 95,590,206	\$ 114,067,954	\$ 136,317,977
20	Total Combined Operating and Capital Fund Balance	\$ 71,784,715	\$ 100,740,880	\$ 128,657,891	\$ 108,982,260	\$ 111,999,111	\$ 75,899,748	\$ 63,517,518	\$ 81,324,099	\$ 99,095,531	\$ 118,397,818	\$ 141,285,429

CITY AND COUNTY OF BROOMFIELD, CO
 WATER, RECLAIMED & SEWER SYSTEM
 REVENUES AND EXPENSES - WASTEWATER

Acct	Description	Utility	Type	Department	Adjusted Budget	Projected										
					2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	
	REVENUES															
45-00000-44200	Sewer Service	SALES	SEWER	SEWER	\$ 7,584,565	\$ 8,282,345	\$ 8,958,184	\$ 9,689,172	\$ 10,226,349	\$ 10,793,308	\$ 11,281,101	\$ 11,790,939	\$ 12,323,819	\$ 12,880,782	\$ 13,462,916	
45-00000-44210	Engineering Inspection	OTHER	SEWER	SEWER	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	
45-00000-44215	Industrial Waste Recovery	OTHER	SEWER	SEWER	\$ 338,575	\$ 338,575	\$ 338,575	\$ 338,575	\$ 338,575	\$ 338,575	\$ 338,575	\$ 338,575	\$ 338,575	\$ 338,575	\$ 338,575	
45-00000-44220	Environmental Compliance Fee	SALES	SEWER	SEWER	\$ 1,732,660	\$ 1,801,966	\$ 1,874,045	\$ 1,949,007	\$ 1,997,147	\$ 2,046,477	\$ 2,097,025	\$ 2,148,822	\$ 2,201,898	\$ 2,256,285	\$ 2,312,015	
45-00000-44225	License Fees	TAP	SEWER	SEWER	\$ 21,849,207	\$ 35,581,679	\$ 37,004,946	\$ 38,485,144	\$ 17,010,433	\$ 17,299,611	\$ 17,593,704	\$ 17,892,797	\$ 18,196,975	\$ 18,506,323	\$ 18,820,931	
45-00000-44240	Federal Mandate Fees	SALES	SEWER	SEWER	\$ 958,808	\$ 997,160	\$ 1,037,046	\$ 1,078,528	\$ 1,105,168	\$ 1,132,466	\$ 1,160,438	\$ 1,189,101	\$ 1,218,472	\$ 1,248,568	\$ 1,279,408	
45-00000-48110	Investment Earnings	INTEREST	SEWER	SEWER	\$ 674,250	\$ 674,250	\$ 674,250	\$ 674,250	\$ 674,250	\$ 674,250	\$ 674,250	\$ 674,250	\$ 674,250	\$ 674,250	\$ 674,250	
45-00000-48347	Tifs Fr Water Rec	TRANSFER IN	SEWER	SEWER	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
45-00000-48120	Investment Earnings on Reserves	INTEREST	SEWER	SEWER	\$ 825	\$ 825	\$ 825	\$ 825	\$ 825	\$ 825	\$ 825	\$ 825	\$ 825	\$ 825	\$ 825	
45-00000-48810	Rental Income	OTHER	SEWER	SEWER	\$ 127,750	\$ 127,750	\$ 127,750	\$ 127,750	\$ 127,750	\$ 127,750	\$ 127,750	\$ 127,750	\$ 127,750	\$ 127,750	\$ 127,750	
	TOTAL REVENUES				\$ 33,286,640	\$ 47,824,550	\$ 50,035,621	\$ 52,363,251	\$ 31,500,497	\$ 32,433,262	\$ 33,293,668	\$ 34,183,059	\$ 35,102,564	\$ 36,053,358	\$ 37,036,670	

CITY AND COUNTY OF BROOMFIELD, CO
 WATER, RECLAIMED & SEWER SYSTEM
 REVENUES AND EXPENSES - WASTEWATER

Acct	Description	Utility	Type	Department	Adjusted Budget	Projected										
					2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	
OPERATING EXPENSES																
45	Wastewater 37100 : Sewer Treatment Plant	45 : 37100		WW TREATMENT	\$ 3,444,222	\$ 3,547,551	\$ 3,653,979	\$ 3,763,601	\$ 3,876,510	\$ 3,992,806	\$ 4,112,592	\$ 4,235,969	\$ 4,363,047	\$ 4,493,939	\$ 4,628,759	
45	Wastewater 37200 : Industrial Pretreatment	45 : 37200		WW TREATMENT	\$ 235,763	\$ 242,835	\$ 250,120	\$ 257,623	\$ 265,352	\$ 273,314	\$ 281,513	\$ 289,956	\$ 298,652	\$ 307,609	\$ 316,838	
45	Wastewater 37300 : Sewer System Ops/Mtce	45 : 37300		WW OPERATIONS	\$ 1,272,642	\$ 1,310,822	\$ 1,350,145	\$ 1,390,647	\$ 1,432,365	\$ 1,475,336	\$ 1,519,596	\$ 1,565,185	\$ 1,612,141	\$ 1,660,506	\$ 1,710,320	
45	Wastewater 37400 : Laboratory Operations	45 : 37400		WW TREATMENT	\$ 597,306	\$ 615,225	\$ 633,679	\$ 652,691	\$ 672,269	\$ 692,436	\$ 713,211	\$ 734,607	\$ 756,644	\$ 779,346	\$ 802,727	
45	Wastewater 38600 : Sewer Stormwater	45 : 38600		STORM	\$ 335,176	\$ 345,231	\$ 355,587	\$ 366,256	\$ 377,245	\$ 388,562	\$ 400,218	\$ 412,225	\$ 424,590	\$ 437,328	\$ 450,448	
45	Wastewater 38800 : Sewer Stormwater - O & M	45 : 38800		STORM OPERATIONS	\$ 349,206	\$ 359,682	\$ 370,471	\$ 381,585	\$ 393,032	\$ 404,822	\$ 416,965	\$ 429,475	\$ 442,361	\$ 455,632	\$ 469,301	
45	Wastewater 38900 : Sewer Stormwater - Env Svcs	45 : 38900		STORM ENVIRONMENT	\$ 186,735	\$ 192,338	\$ 198,110	\$ 204,055	\$ 210,176	\$ 216,482	\$ 222,976	\$ 229,666	\$ 236,555	\$ 243,654	\$ 250,963	
45	Wastewater 50600 : Utility Billing	45 : 50600		WW BILLING	\$ 195,432	\$ 201,297	\$ 207,337	\$ 213,558	\$ 219,964	\$ 226,562	\$ 233,359	\$ 240,357	\$ 247,568	\$ 254,996	\$ 262,645	
45	Misc Wastewater Expenditures	MISC WW		WW OTHER	\$ 383,125	\$ 394,619	\$ 406,458	\$ 418,652	\$ 431,212	\$ 444,148	\$ 457,472	\$ 471,197	\$ 485,332	\$ 499,891	\$ 514,888	
TOTAL OPERATING EXPENSES					\$ 6,999,607	\$ 7,209,600	\$ 7,425,886	\$ 7,648,668	\$ 7,878,125	\$ 8,114,468	\$ 8,357,902	\$ 8,608,637	\$ 8,866,890	\$ 9,132,901	\$ 9,406,889	
DEBT SERVICE																
	Existing Debt	SEWER	EXISTING	DEBT	\$ 2,430,013	\$ 2,437,263	\$ 2,445,013	\$ 2,453,013	\$ 2,456,013	\$ 2,469,813	\$ 2,476,363	\$ 2,485,813	\$ 2,500,188	\$ 2,508,975	\$ -	
	New Debt	SEWER	NEW	DEBT	\$ -	\$ -	\$ -	\$ 2,432,000	\$ 2,432,000	\$ 2,432,000	\$ 2,432,000	\$ 2,432,000	\$ 2,432,000	\$ 2,432,000	\$ 2,432,000	
TOTAL DEBT SERVICE					\$ 2,430,013	\$ 2,437,263	\$ 2,445,013	\$ 4,885,013	\$ 4,888,013	\$ 4,901,813	\$ 4,908,363	\$ 4,917,813	\$ 4,932,188	\$ 4,940,975	\$ 2,432,000	
TRANSFERS/CONTINGENCIES																
	Transfer Out	SEWER	TRANSFER OUT	TRANSFER	\$ 1,225,299	\$ 1,268,184	\$ 1,312,571	\$ 1,358,511	\$ 1,406,059	\$ 1,455,271	\$ 1,506,205	\$ 1,558,923	\$ 1,613,485	\$ 1,669,957	\$ 1,728,405	
	Transfer In	SEWER	TRANSFER IN	TRANSFER	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
TOTAL TRANSFERS/CONTINGENCIES					\$ 1,225,299	\$ 1,268,184	\$ 1,312,571	\$ 1,358,511	\$ 1,406,059	\$ 1,455,271	\$ 1,506,205	\$ 1,558,923	\$ 1,613,485	\$ 1,669,957	\$ 1,728,405	

CITY AND COUNTY OF BROOMFIELD, CO
 WATER, RECLAIMED & SEWER SYSTEM
 REVENUES AND EXPENSES - WASTEWATER

Acct	Description	Utility	Type	Department	Adjusted Budget	Projected										
					2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	
45 : WASTEWATER 37100 : SEWER TREATMENT PLANT																
45-37100-51110	Sewer Treatment Plant-Salaries Full Time	45 : 37100	PERSONNEL	Treatment	\$ 982,137	\$ 1,011,601	\$ 1,041,949	\$ 1,073,207	\$ 1,105,403	\$ 1,138,565	\$ 1,172,722	\$ 1,207,904	\$ 1,244,141	\$ 1,281,465	\$ 1,319,909	
45-37100-51310	Sewer Treatment Plant-Salaries Temporary	45 : 37100	PERSONNEL	Treatment	\$ 18,779	\$ 19,342	\$ 19,922	\$ 20,520	\$ 21,136	\$ 21,770	\$ 22,423	\$ 23,096	\$ 23,789	\$ 24,503	\$ 25,238	
45-37100-51410	Sewer Treatment Plant-Overtime	45 : 37100	PERSONNEL	Treatment	\$ 62,620	\$ 64,499	\$ 66,434	\$ 68,427	\$ 70,480	\$ 72,594	\$ 74,772	\$ 77,015	\$ 79,325	\$ 81,705	\$ 84,156	
45-37100-51510	Sewer Treatment Plant-Holiday Pay	45 : 37100	PERSONNEL	Treatment	\$ 13,967	\$ 14,386	\$ 14,818	\$ 15,263	\$ 15,721	\$ 16,193	\$ 16,679	\$ 17,179	\$ 17,694	\$ 18,225	\$ 18,772	
45-37100-51520	Sewer Treatment Plant-On Call Pay	45 : 37100	PERSONNEL	Treatment	\$ 22,142	\$ 22,806	\$ 23,490	\$ 24,195	\$ 24,921	\$ 25,669	\$ 26,439	\$ 27,232	\$ 28,049	\$ 28,890	\$ 29,757	
45-37100-51610	Sewer Treatment Plant-Social Security	45 : 37100	PERSONNEL	Treatment	\$ 68,178	\$ 70,223	\$ 72,330	\$ 74,500	\$ 76,735	\$ 79,037	\$ 81,408	\$ 83,850	\$ 86,366	\$ 88,957	\$ 91,626	
45-37100-51620	Sewer Treatment Plant-Medicare	45 : 37100	PERSONNEL	Treatment	\$ 15,945	\$ 16,423	\$ 16,916	\$ 17,423	\$ 17,946	\$ 18,484	\$ 19,039	\$ 19,610	\$ 20,198	\$ 20,804	\$ 21,428	
45-37100-51710	Sewer Treatment Plant-Ben Empl Money Purchase Pn	45 : 37100	PERSONNEL	Treatment	\$ 50,483	\$ 51,997	\$ 53,557	\$ 55,164	\$ 56,819	\$ 58,524	\$ 60,280	\$ 62,088	\$ 63,951	\$ 65,870	\$ 67,846	
45-37100-51720	Sewer Treatment Plant-Benefits Employee Pension	45 : 37100	PERSONNEL	Treatment	\$ 9,491	\$ 9,776	\$ 10,069	\$ 10,371	\$ 10,682	\$ 11,002	\$ 11,332	\$ 11,672	\$ 12,022	\$ 12,383	\$ 12,754	
45-37100-51740	Sewer Treatment Plant-Empl Assist. Program	45 : 37100	PERSONNEL	Treatment	\$ 278	\$ 286	\$ 295	\$ 304	\$ 313	\$ 322	\$ 332	\$ 342	\$ 352	\$ 363	\$ 374	
45-37100-51750	Sewer Treatment Plant-Ben Flex Administration	45 : 37100	PERSONNEL	Treatment	\$ 392	\$ 404	\$ 416	\$ 428	\$ 441	\$ 454	\$ 468	\$ 482	\$ 496	\$ 511	\$ 526	
45-37100-51780	Sewer Treatment Plant-Retiree Health Savings Plan	45 : 37100	PERSONNEL	Treatment	\$ 10,628	\$ 10,947	\$ 11,275	\$ 11,613	\$ 11,961	\$ 12,320	\$ 12,690	\$ 13,071	\$ 13,463	\$ 13,867	\$ 14,283	
45-37100-51810	Sewer Treatment Plant-Insurance MCEP	45 : 37100	PERSONNEL	Treatment	\$ 198,102	\$ 204,045	\$ 210,166	\$ 216,471	\$ 222,965	\$ 229,654	\$ 236,544	\$ 243,640	\$ 250,949	\$ 258,477	\$ 266,231	
45-37100-51820	Sewer Treatment Plant-Insurance Kaiser	45 : 37100	PERSONNEL	Treatment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
45-37100-51830	Sewer Treatment Plant-Insurance Dental	45 : 37100	PERSONNEL	Treatment	\$ 9,824	\$ 10,119	\$ 10,423	\$ 10,736	\$ 11,058	\$ 11,390	\$ 11,732	\$ 12,084	\$ 12,447	\$ 12,820	\$ 13,205	
45-37100-51840	Sewer Treatment Plant-Insurance Life/ADD/LD	45 : 37100	PERSONNEL	Treatment	\$ 4,206	\$ 4,332	\$ 4,462	\$ 4,596	\$ 4,734	\$ 4,876	\$ 5,022	\$ 5,173	\$ 5,328	\$ 5,488	\$ 5,653	
45-37100-52110	Sewer Treatment Plant-Supplies-Office	45 : 37100	OPERATING	Treatment	\$ 3,145	\$ 3,239	\$ 3,336	\$ 3,436	\$ 3,539	\$ 3,645	\$ 3,754	\$ 3,867	\$ 3,983	\$ 4,102	\$ 4,225	
45-37100-52120	Sewer Treatment Plant-Supplies-Electronics	45 : 37100	OPERATING	Treatment	\$ 3,290	\$ 3,389	\$ 3,491	\$ 3,596	\$ 3,704	\$ 3,815	\$ 3,929	\$ 4,047	\$ 4,168	\$ 4,293	\$ 4,422	
45-37100-52130	Sewer Treatment Plant-Supplies-Safety	45 : 37100	OPERATING	Treatment	\$ 21,610	\$ 22,258	\$ 22,926	\$ 23,614	\$ 24,322	\$ 25,052	\$ 25,804	\$ 26,578	\$ 27,375	\$ 28,196	\$ 29,042	
45-37100-52140	Sewer Treatment Plant-Supplies-Fuel	45 : 37100	OPERATING	Treatment	\$ 14,360	\$ 14,791	\$ 15,235	\$ 15,692	\$ 16,163	\$ 16,648	\$ 17,147	\$ 17,661	\$ 18,191	\$ 18,737	\$ 19,299	
45-37100-52150	Sewer Treatment Plant-Supplies-Chemicals	45 : 37100	OPERATING	Treatment	\$ 387,195	\$ 398,811	\$ 410,775	\$ 423,098	\$ 435,791	\$ 448,865	\$ 462,331	\$ 476,201	\$ 490,487	\$ 505,202	\$ 520,358	
45-37100-52190	Sewer Treatment Plant-Supplies-Other	45 : 37100	OPERATING	Treatment	\$ 22,392	\$ 23,064	\$ 23,756	\$ 24,469	\$ 25,203	\$ 25,959	\$ 26,738	\$ 27,540	\$ 28,366	\$ 29,217	\$ 30,094	
45-37100-52510	Sewer Treatment Plant-Equipment-Office	45 : 37100	OPERATING	Treatment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
45-37100-52520	Sewer Treatment Plant-Equipment-Electronics	45 : 37100	OPERATING	Treatment	\$ 16,400	\$ 16,892	\$ 17,399	\$ 17,921	\$ 18,459	\$ 19,013	\$ 19,583	\$ 20,170	\$ 20,775	\$ 21,398	\$ 22,040	
45-37100-52530	Sewer Treatment Plant-Equipment-Safety	45 : 37100	OPERATING	Treatment	\$ 5,245	\$ 5,402	\$ 5,564	\$ 5,731	\$ 5,903	\$ 6,080	\$ 6,262	\$ 6,450	\$ 6,644	\$ 6,843	\$ 7,048	
45-37100-52590	Sewer Treatment Plant-Equipment-Other	45 : 37100	OPERATING	Treatment	\$ 8,500	\$ 8,755	\$ 9,018	\$ 9,289	\$ 9,568	\$ 9,855	\$ 10,151	\$ 10,456	\$ 10,770	\$ 11,093	\$ 11,426	
45-37100-52710	Sewer Treatment Plant-Repair & Mtce-Buildings	45 : 37100	OPERATING	Treatment	\$ 17,700	\$ 18,231	\$ 18,778	\$ 19,341	\$ 19,921	\$ 20,519	\$ 21,135	\$ 21,769	\$ 22,422	\$ 23,095	\$ 23,788	
45-37100-52790	Sewer Treatment Plant-Repair & Mtce-Other	45 : 37100	OPERATING	Treatment	\$ 156,050	\$ 160,732	\$ 165,554	\$ 170,521	\$ 175,637	\$ 180,906	\$ 186,333	\$ 191,923	\$ 197,681	\$ 203,611	\$ 209,719	
45-37100-53110	Sewer Treatment Plant-Professional Svcs-Legal	45 : 37100	OPERATING	Treatment	\$ 24,750	\$ 25,493	\$ 26,258	\$ 27,046	\$ 27,857	\$ 28,693	\$ 29,554	\$ 30,441	\$ 31,354	\$ 32,295	\$ 33,264	
45-37100-53170	Sewer Treatment Plant-Professional Svcs-Misc	45 : 37100	OPERATING	Treatment	\$ 425,222	\$ 437,979	\$ 451,118	\$ 464,652	\$ 478,592	\$ 492,950	\$ 507,739	\$ 522,971	\$ 538,660	\$ 554,820	\$ 571,465	
45-37100-53210	Sewer Treatment Plant-Trng & Trvl-Dept Spec	45 : 37100	OPERATING	Treatment	\$ 29,325	\$ 30,205	\$ 31,111	\$ 32,044	\$ 33,005	\$ 33,995	\$ 35,015	\$ 36,065	\$ 37,147	\$ 38,261	\$ 39,409	
45-37100-53410	Sewer Treatment Plant-Printing & Forms	45 : 37100	OPERATING	Treatment	\$ 100	\$ 103	\$ 106	\$ 109	\$ 112	\$ 115	\$ 118	\$ 122	\$ 126	\$ 130	\$ 134	
45-37100-53420	Sewer Treatment Plant-Postage/Shipping/Freight	45 : 37100	OPERATING	Treatment	\$ 2,114	\$ 2,177	\$ 2,242	\$ 2,309	\$ 2,378	\$ 2,449	\$ 2,522	\$ 2,598	\$ 2,676	\$ 2,756	\$ 2,839	
45-37100-53430	Sewer Treatment Plant-Dues/Subst/Licenses	45 : 37100	OPERATING	Treatment	\$ 11,495	\$ 11,840	\$ 12,195	\$ 12,561	\$ 12,938	\$ 13,326	\$ 13,726	\$ 14,138	\$ 14,562	\$ 14,999	\$ 15,449	
45-37100-53440	Sewer Treatment Plant-Advertising	45 : 37100	OPERATING	Treatment	\$ 250	\$ 258	\$ 266	\$ 274	\$ 282	\$ 290	\$ 299	\$ 308	\$ 317	\$ 327	\$ 337	
45-37100-53450	Sewer Treatment Plant-Food and Meeting	45 : 37100	OPERATING	Treatment	\$ 750	\$ 773	\$ 796	\$ 820	\$ 845	\$ 870	\$ 896	\$ 923	\$ 951	\$ 980	\$ 1,009	
45-37100-53470	Sewer Treatment Plant-Employee Recognition	45 : 37100	OPERATING	Treatment	\$ 1,100	\$ 1,133	\$ 1,167	\$ 1,202	\$ 1,238	\$ 1,275	\$ 1,313	\$ 1,352	\$ 1,393	\$ 1,435	\$ 1,478	
45-37100-53510	Sewer Treatment Plant-Utilities-Gas	45 : 37100	OPERATING	Treatment	\$ 70,574	\$ 72,691	\$ 74,872	\$ 77,118	\$ 79,432	\$ 81,815	\$ 84,269	\$ 86,797	\$ 89,401	\$ 92,083	\$ 94,845	
45-37100-53520	Sewer Treatment Plant-Utilities-Electricity	45 : 37100	OPERATING	Treatment	\$ 610,200	\$ 628,506	\$ 647,361	\$ 666,782	\$ 686,785	\$ 707,389	\$ 728,611	\$ 750,469	\$ 772,983	\$ 796,172	\$ 820,057	
45-37100-53530	Sewer Treatment Plant-Utilities-Water/Sewer	45 : 37100	OPERATING	Treatment	\$ 6,684	\$ 6,885	\$ 7,092	\$ 7,305	\$ 7,524	\$ 7,750	\$ 7,983	\$ 8,222	\$ 8,469	\$ 8,723	\$ 8,985	
45-37100-53540	Sewer Treatment Plant-Util-Tele Service	45 : 37100	OPERATING	Treatment	\$ 492	\$ 507	\$ 522	\$ 538	\$ 554	\$ 571	\$ 588	\$ 606	\$ 624	\$ 643	\$ 662	
45-37100-53550	Sewer Treatment Plant-Util-Cell Phone/Pager Serv	45 : 37100	OPERATING	Treatment	\$ 9,057	\$ 9,329	\$ 9,609	\$ 9,897	\$ 10,194	\$ 10,500	\$ 10,815	\$ 11,139	\$ 11,473	\$ 11,817	\$ 12,172	
45-37100-53610	Sewer Treatment Plant-Repair & Mtce Svcs-Bldgs	45 : 37100	OPERATING	Treatment	\$ 34,400	\$ 35,432	\$ 36,495	\$ 37,590	\$ 38,718	\$ 39,880	\$ 41,076	\$ 42,308	\$ 43,577	\$ 44,884	\$ 46,231	
45-37100-53630	Sewer Treatment Plant-R & M Svcs-Electronics	45 : 37100	OPERATING	Treatment	\$ 24,000	\$ 24,720	\$ 25,462	\$ 26,226	\$ 27,013	\$ 27,823	\$ 28,658	\$ 29,518	\$ 30,404	\$ 31,316	\$ 32,255	
45-37100-53690	Sewer Treatment Plant-Repair & Mtce Svcs-Other	45 : 37100	OPERATING	Treatment	\$ 65,600	\$ 67,568	\$ 69,595	\$ 71,683	\$ 73,833	\$ 76,048	\$ 78,329	\$ 80,679	\$ 83,099	\$ 85,592	\$ 88,160	
45-37100-53790	Sewer Treatment Plant-Rentals & Leases-Other	45 : 37100	OPERATING	Treatment	\$ 5,050	\$ 5,202	\$ 5,358	\$ 5,519	\$ 5,685	\$ 5,856	\$ 6,032	\$ 6,213	\$ 6,399	\$ 6,591	\$ 6,789	
	Total Personnel				\$ 1,467,172	\$ 1,511,186	\$ 1,556,522	\$ 1,603,218	\$ 1,651,315	\$ 1,700,854	\$ 1,751,882	\$ 1,804,438	\$ 1,858,570	\$ 1,914,328	\$ 1,971,758	
	Total Operating				\$ 1,977,050	\$ 2,036,365	\$ 2,097,457	\$ 2,160,383	\$ 2,225,195	\$ 2,291,952	\$ 2,360,710	\$ 2,431,531	\$ 2,504,477	\$ 2,579,611	\$ 2,657,001	
	Total Debt Service				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	Total Capital Outlay				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	Total Transfers				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	Total 45 : Wastewater 37100 : Sewer Treatment Plant				\$ 3,444,222	\$ 3,547,551	\$ 3,653,979	\$ 3,763,601	\$ 3,876,510	\$ 3,992,806	\$ 4,112,592	\$ 4,235,969	\$ 4,363,047	\$ 4,493,939	\$ 4,628,759	

CITY AND COUNTY OF BROOMFIELD, CO
 WATER, RECLAIMED & SEWER SYSTEM
 REVENUES AND EXPENSES - WASTEWATER

Acct	Description	Utility	Type	Department	Adjusted Budget	Projected										
					2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	
45 : WASTEWATER 37200 : INDUSTRIAL PRETREATMENT																
45-37200-51110	Industrial Pretreatment-Salaries Full Time	45 : 37200	PERSONNEL	Treatment	\$ 115,972	\$ 119,451	\$ 123,035	\$ 126,726	\$ 130,528	\$ 134,444	\$ 138,477	\$ 142,631	\$ 146,910	\$ 151,317	\$ 155,857	
45-37200-51410	Industrial Pretreatment-Overtime	45 : 37200	PERSONNEL	Treatment	\$ 5,403	\$ 5,565	\$ 5,732	\$ 5,904	\$ 6,081	\$ 6,263	\$ 6,451	\$ 6,645	\$ 6,844	\$ 7,049	\$ 7,260	
45-37200-51510	Industrial Pretreatment-Holiday Pay	45 : 37200	PERSONNEL	Treatment	\$ 524	\$ 540	\$ 556	\$ 573	\$ 590	\$ 608	\$ 626	\$ 645	\$ 664	\$ 684	\$ 705	
45-37200-51520	Industrial Pretreatment-On Call Pay	45 : 37200	PERSONNEL	Treatment	\$ 5,492	\$ 5,657	\$ 5,827	\$ 6,002	\$ 6,182	\$ 6,367	\$ 6,558	\$ 6,755	\$ 6,958	\$ 7,167	\$ 7,382	
45-37200-51610	Industrial Pretreatment-Social Security	45 : 37200	PERSONNEL	Treatment	\$ 7,898	\$ 8,135	\$ 8,379	\$ 8,630	\$ 8,889	\$ 9,156	\$ 9,431	\$ 9,714	\$ 10,005	\$ 10,305	\$ 10,614	
45-37200-51620	Industrial Pretreatment-Medicare	45 : 37200	PERSONNEL	Treatment	\$ 1,848	\$ 1,903	\$ 1,960	\$ 2,019	\$ 2,080	\$ 2,142	\$ 2,206	\$ 2,272	\$ 2,340	\$ 2,410	\$ 2,482	
45-37200-51710	Industrial Pretreatment-Ben Empl Money Purchase Pn	45 : 37200	PERSONNEL	Treatment	\$ 6,958	\$ 7,167	\$ 7,382	\$ 7,603	\$ 7,831	\$ 8,066	\$ 8,308	\$ 8,557	\$ 8,814	\$ 9,078	\$ 9,350	
45-37200-51740	Industrial Pretreatment-Empl Assist. Program	45 : 37200	PERSONNEL	Treatment	\$ 40	\$ 41	\$ 42	\$ 43	\$ 44	\$ 45	\$ 46	\$ 47	\$ 48	\$ 49	\$ 50	
45-37200-51750	Industrial Pretreatment-Ben Flex Administration	45 : 37200	PERSONNEL	Treatment	\$ 54	\$ 56	\$ 58	\$ 60	\$ 62	\$ 64	\$ 66	\$ 68	\$ 70	\$ 72	\$ 74	
45-37200-51810	Industrial Pretreatment-Insurance MCEP	45 : 37200	PERSONNEL	Treatment	\$ 28,920	\$ 29,788	\$ 30,682	\$ 31,602	\$ 32,550	\$ 33,527	\$ 34,533	\$ 35,569	\$ 36,636	\$ 37,735	\$ 38,867	
45-37200-51830	Industrial Pretreatment-Insurance Dental	45 : 37200	PERSONNEL	Treatment	\$ 1,239	\$ 1,276	\$ 1,314	\$ 1,353	\$ 1,394	\$ 1,436	\$ 1,479	\$ 1,523	\$ 1,569	\$ 1,616	\$ 1,664	
45-37200-51840	Industrial Pretreatment-Insurance Life/ADD/LD	45 : 37200	PERSONNEL	Treatment	\$ 502	\$ 517	\$ 533	\$ 549	\$ 565	\$ 582	\$ 599	\$ 617	\$ 636	\$ 655	\$ 675	
45-37200-52110	Industrial Pretreatment-Supplies-Office	45 : 37200	OPERATING	Treatment	\$ 572	\$ 589	\$ 607	\$ 625	\$ 644	\$ 663	\$ 683	\$ 703	\$ 724	\$ 746	\$ 768	
45-37200-52120	Industrial Pretreatment-Supplies-Electronics	45 : 37200	OPERATING	Treatment	\$ 175	\$ 180	\$ 185	\$ 191	\$ 197	\$ 203	\$ 209	\$ 215	\$ 221	\$ 228	\$ 235	
45-37200-52130	Industrial Pretreatment-Supplies-Safety	45 : 37200	OPERATING	Treatment	\$ 8,880	\$ 9,146	\$ 9,420	\$ 9,703	\$ 9,994	\$ 10,294	\$ 10,603	\$ 10,921	\$ 11,249	\$ 11,586	\$ 11,934	
45-37200-52150	Industrial Pretreatment-Supplies-Chemicals	45 : 37200	OPERATING	Treatment	\$ 1,067	\$ 1,099	\$ 1,132	\$ 1,166	\$ 1,201	\$ 1,237	\$ 1,274	\$ 1,312	\$ 1,351	\$ 1,392	\$ 1,434	
45-37200-52190	Industrial Pretreatment-Supplies-Other	45 : 37200	OPERATING	Treatment	\$ 3,300	\$ 3,399	\$ 3,501	\$ 3,606	\$ 3,714	\$ 3,825	\$ 3,940	\$ 4,058	\$ 4,180	\$ 4,305	\$ 4,434	
45-37200-52520	Industrial Pretreatment-Equipment-Electronics	45 : 37200	OPERATING	Treatment	\$ 2,800	\$ 2,884	\$ 2,971	\$ 3,060	\$ 3,152	\$ 3,247	\$ 3,344	\$ 3,444	\$ 3,547	\$ 3,653	\$ 3,763	
45-37200-52530	Industrial Pretreatment-Equipment-Safety	45 : 37200	OPERATING	Treatment	\$ 2,870	\$ 2,956	\$ 3,045	\$ 3,136	\$ 3,230	\$ 3,327	\$ 3,427	\$ 3,530	\$ 3,636	\$ 3,745	\$ 3,857	
45-37200-52590	Industrial Pretreatment-Equipment-Other	45 : 37200	OPERATING	Treatment	\$ 6,400	\$ 6,592	\$ 6,790	\$ 6,994	\$ 7,204	\$ 7,420	\$ 7,643	\$ 7,872	\$ 8,108	\$ 8,351	\$ 8,602	
45-37200-52790	Industrial Pretreatment-Repair & Mtce-Other	45 : 37200	OPERATING	Treatment	\$ 500	\$ 515	\$ 530	\$ 546	\$ 562	\$ 579	\$ 596	\$ 614	\$ 632	\$ 651	\$ 671	
45-37200-53170	Industrial Pretreatment-Professional Svcs-Misc	45 : 37200	OPERATING	Treatment	\$ 23,390	\$ 24,092	\$ 24,815	\$ 25,559	\$ 26,326	\$ 27,116	\$ 27,929	\$ 28,767	\$ 29,630	\$ 30,519	\$ 31,435	
45-37200-53210	Industrial Pretreatment-Trng & Trvl-Dept Spec	45 : 37200	OPERATING	Treatment	\$ 3,248	\$ 3,345	\$ 3,445	\$ 3,548	\$ 3,654	\$ 3,764	\$ 3,877	\$ 3,993	\$ 4,113	\$ 4,236	\$ 4,363	
45-37200-53410	Industrial Pretreatment-Printing & Forms	45 : 37200	OPERATING	Treatment	\$ 650	\$ 670	\$ 690	\$ 711	\$ 732	\$ 754	\$ 777	\$ 800	\$ 824	\$ 849	\$ 874	
45-37200-53420	Industrial Pretreatment-Postage/Shipping/Freight	45 : 37200	OPERATING	Treatment	\$ 1,198	\$ 1,234	\$ 1,271	\$ 1,309	\$ 1,348	\$ 1,388	\$ 1,430	\$ 1,473	\$ 1,517	\$ 1,563	\$ 1,610	
45-37200-53430	Industrial Pretreatment-Dues/Subsct/Licenses	45 : 37200	OPERATING	Treatment	\$ 880	\$ 906	\$ 933	\$ 961	\$ 990	\$ 1,020	\$ 1,051	\$ 1,083	\$ 1,115	\$ 1,148	\$ 1,182	
45-37200-53440	Industrial Pretreatment-Advertising	45 : 37200	OPERATING	Treatment	\$ 1,975	\$ 2,034	\$ 2,095	\$ 2,158	\$ 2,223	\$ 2,290	\$ 2,359	\$ 2,430	\$ 2,503	\$ 2,578	\$ 2,655	
45-37200-53450	Industrial Pretreatment-Food and Meeting	45 : 37200	OPERATING	Treatment	\$ 400	\$ 412	\$ 424	\$ 437	\$ 450	\$ 464	\$ 478	\$ 492	\$ 507	\$ 522	\$ 538	
45-37200-53470	Industrial Pretreatment-Employee Recognition	45 : 37200	OPERATING	Treatment	\$ 200	\$ 206	\$ 212	\$ 218	\$ 225	\$ 232	\$ 239	\$ 246	\$ 253	\$ 261	\$ 269	
45-37200-53550	Industrial Pretreatment-Util-Cell Phone/Pager Serv	45 : 37200	OPERATING	Treatment	\$ 1,908	\$ 1,965	\$ 2,024	\$ 2,085	\$ 2,148	\$ 2,212	\$ 2,278	\$ 2,346	\$ 2,416	\$ 2,488	\$ 2,563	
45-37200-53690	Industrial Pretreatment-Repair & Mtce Svcs-Other	45 : 37200	OPERATING	Treatment	\$ 500	\$ 515	\$ 530	\$ 546	\$ 562	\$ 579	\$ 596	\$ 614	\$ 632	\$ 651	\$ 671	
	Total Personnel				\$ 174,850	\$ 180,096	\$ 185,500	\$ 191,064	\$ 196,796	\$ 202,700	\$ 208,780	\$ 215,043	\$ 221,494	\$ 228,137	\$ 234,980	
	Total Operating				\$ 60,913	\$ 62,739	\$ 64,620	\$ 66,559	\$ 68,556	\$ 70,614	\$ 72,733	\$ 74,913	\$ 77,158	\$ 79,472	\$ 81,858	
	Total Debt Service				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	Total Capital Outlay				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	Total Transfers				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	Total 45 : Wastewater 37200 : Industrial Pretreatment				\$ 235,763	\$ 242,835	\$ 250,120	\$ 257,623	\$ 265,352	\$ 273,314	\$ 281,513	\$ 289,956	\$ 298,652	\$ 307,609	\$ 316,838	

CITY AND COUNTY OF BROOMFIELD, CO
 WATER, RECLAIMED & SEWER SYSTEM
 REVENUES AND EXPENSES - WASTEWATER

Acct	Description	Utility	Type	Department	Adjusted Budget	Projected										
					2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	
45 : WASTEWATER 37300 : SEWER SYSTEM OPS/MTCE																
45-37300-51110	Sewer System Ops/Mtce-Salaries Full Time	45 : 37300	PERSONNEL	Administration	\$ 494,647	\$ 509,486	\$ 524,771	\$ 540,514	\$ 556,729	\$ 573,431	\$ 590,634	\$ 608,353	\$ 626,604	\$ 645,402	\$ 664,764	
45-37300-51410	Sewer System Ops/Mtce-Overtime	45 : 37300	PERSONNEL	Administration	\$ 39,268	\$ 40,446	\$ 41,659	\$ 42,909	\$ 44,196	\$ 45,522	\$ 46,888	\$ 48,295	\$ 49,744	\$ 51,236	\$ 52,773	
45-37300-51510	Sewer System Ops/Mtce-Holiday Pay	45 : 37300	PERSONNEL	Administration	\$ 1,853	\$ 1,909	\$ 1,966	\$ 2,025	\$ 2,086	\$ 2,149	\$ 2,213	\$ 2,279	\$ 2,347	\$ 2,417	\$ 2,490	
45-37300-51520	Sewer System Ops/Mtce-On Call Pay	45 : 37300	PERSONNEL	Administration	\$ 5,913	\$ 6,090	\$ 6,273	\$ 6,461	\$ 6,655	\$ 6,855	\$ 7,061	\$ 7,273	\$ 7,491	\$ 7,716	\$ 7,947	
45-37300-51610	Sewer System Ops/Mtce-Social Security	45 : 37300	PERSONNEL	Administration	\$ 33,686	\$ 34,697	\$ 35,738	\$ 36,810	\$ 37,914	\$ 39,051	\$ 40,223	\$ 41,430	\$ 42,673	\$ 43,953	\$ 45,272	
45-37300-51620	Sewer System Ops/Mtce-Medicare	45 : 37300	PERSONNEL	Administration	\$ 7,878	\$ 8,114	\$ 8,357	\$ 8,608	\$ 8,866	\$ 9,132	\$ 9,406	\$ 9,688	\$ 9,979	\$ 10,278	\$ 10,586	
45-37300-51710	Sewer System Ops/Mtce-Ben Empl Money Purchase Pn	45 : 37300	PERSONNEL	Administration	\$ 27,287	\$ 28,106	\$ 28,949	\$ 29,817	\$ 30,712	\$ 31,633	\$ 32,582	\$ 33,559	\$ 34,566	\$ 35,603	\$ 36,671	
45-37300-51720	Sewer System Ops/Mtce-Benefits Employee Pension	45 : 37300	PERSONNEL	Administration	\$ 2,667	\$ 2,747	\$ 2,829	\$ 2,914	\$ 3,001	\$ 3,091	\$ 3,184	\$ 3,280	\$ 3,378	\$ 3,479	\$ 3,583	
45-37300-51740	Sewer System Ops/Mtce-Empl Assist. Program	45 : 37300	PERSONNEL	Administration	\$ 170	\$ 175	\$ 180	\$ 185	\$ 191	\$ 197	\$ 203	\$ 209	\$ 215	\$ 221	\$ 228	
45-37300-51750	Sewer System Ops/Mtce-Ben Flex Administration	45 : 37300	PERSONNEL	Administration	\$ 216	\$ 222	\$ 229	\$ 236	\$ 243	\$ 250	\$ 258	\$ 266	\$ 274	\$ 282	\$ 290	
45-37300-51780	Sewer System Ops/Mtce-Retiree Health Savings Plan	45 : 37300	PERSONNEL	Administration	\$ 2,435	\$ 2,508	\$ 2,583	\$ 2,660	\$ 2,740	\$ 2,822	\$ 2,907	\$ 2,994	\$ 3,084	\$ 3,177	\$ 3,272	
45-37300-51810	Sewer System Ops/Mtce-Insurance MCEP	45 : 37300	PERSONNEL	Administration	\$ 101,220	\$ 104,257	\$ 107,385	\$ 110,607	\$ 113,925	\$ 117,343	\$ 120,863	\$ 124,489	\$ 128,224	\$ 132,071	\$ 136,033	
45-37300-51820	Sewer System Ops/Mtce-Insurance Kaiser	45 : 37300	PERSONNEL	Administration	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
45-37300-51830	Sewer System Ops/Mtce-Insurance Dental	45 : 37300	PERSONNEL	Administration	\$ 4,854	\$ 5,000	\$ 5,150	\$ 5,305	\$ 5,464	\$ 5,628	\$ 5,797	\$ 5,971	\$ 6,150	\$ 6,335	\$ 6,525	
45-37300-51840	Sewer System Ops/Mtce-Insurance Life/ADD/LD	45 : 37300	PERSONNEL	Administration	\$ 2,142	\$ 2,206	\$ 2,272	\$ 2,340	\$ 2,410	\$ 2,482	\$ 2,556	\$ 2,633	\$ 2,712	\$ 2,793	\$ 2,877	
45-37300-52110	Sewer System Ops/Mtce-Supplies-Office	45 : 37300	OPERATING	Administration	\$ 100	\$ 103	\$ 106	\$ 109	\$ 112	\$ 115	\$ 118	\$ 122	\$ 126	\$ 130	\$ 134	
45-37300-52120	Sewer System Ops/Mtce-Supplies-Electronics	45 : 37300	OPERATING	Administration	\$ 360	\$ 371	\$ 382	\$ 393	\$ 405	\$ 417	\$ 430	\$ 443	\$ 456	\$ 470	\$ 484	
45-37300-52130	Sewer System Ops/Mtce-Supplies-Safety	45 : 37300	OPERATING	Administration	\$ 16,821	\$ 17,326	\$ 17,846	\$ 18,381	\$ 18,932	\$ 19,500	\$ 20,085	\$ 20,688	\$ 21,309	\$ 21,948	\$ 22,606	
45-37300-52140	Sewer System Ops/Mtce-Supplies-Fuel	45 : 37300	OPERATING	Administration	\$ 32,660	\$ 33,640	\$ 34,649	\$ 35,688	\$ 36,759	\$ 37,862	\$ 38,998	\$ 40,168	\$ 41,373	\$ 42,614	\$ 43,892	
45-37300-52150	Sewer System Ops/Mtce-Supplies-Chemicals	45 : 37300	OPERATING	Administration	\$ 119,462	\$ 123,046	\$ 126,737	\$ 130,539	\$ 134,455	\$ 138,489	\$ 142,644	\$ 146,923	\$ 151,331	\$ 155,871	\$ 160,547	
45-37300-52190	Sewer System Ops/Mtce-Supplies-Other	45 : 37300	OPERATING	Administration	\$ 21,564	\$ 22,211	\$ 22,877	\$ 23,563	\$ 24,270	\$ 24,998	\$ 25,748	\$ 26,520	\$ 27,316	\$ 28,135	\$ 28,979	
45-37300-52520	Sewer System Ops/Mtce-Equipment-Electronics	45 : 37300	OPERATING	Administration	\$ 700	\$ 721	\$ 743	\$ 765	\$ 788	\$ 812	\$ 836	\$ 861	\$ 887	\$ 914	\$ 941	
45-37300-52530	Sewer System Ops/Mtce-Equipment-Safety	45 : 37300	OPERATING	Administration	\$ 4,320	\$ 4,450	\$ 4,584	\$ 4,722	\$ 4,864	\$ 5,010	\$ 5,160	\$ 5,315	\$ 5,474	\$ 5,638	\$ 5,807	
45-37300-52590	Sewer System Ops/Mtce-Equipment-Other	45 : 37300	OPERATING	Administration	\$ 6,120	\$ 6,304	\$ 6,493	\$ 6,688	\$ 6,889	\$ 7,096	\$ 7,309	\$ 7,528	\$ 7,754	\$ 7,987	\$ 8,227	
45-37300-52790	Sewer System Ops/Mtce-Repair & Mtce-Other	45 : 37300	OPERATING	Administration	\$ 58,354	\$ 60,105	\$ 61,908	\$ 63,765	\$ 65,678	\$ 67,648	\$ 69,677	\$ 71,767	\$ 73,920	\$ 76,138	\$ 78,422	
45-37300-53120	Sewer System Ops/Mtce-Professional Svcs-Electron	45 : 37300	OPERATING	Administration	\$ 3,736	\$ 3,848	\$ 3,963	\$ 4,082	\$ 4,204	\$ 4,330	\$ 4,460	\$ 4,594	\$ 4,732	\$ 4,874	\$ 5,020	
45-37300-53170	Sewer System Ops/Mtce-Professional Svcs-Misc	45 : 37300	OPERATING	Administration	\$ 34,540	\$ 35,576	\$ 36,643	\$ 37,742	\$ 38,874	\$ 40,040	\$ 41,241	\$ 42,478	\$ 43,752	\$ 45,065	\$ 46,417	
45-37300-53210	Sewer System Ops/Mtce-Trng & Trvl-Dept Spec	45 : 37300	OPERATING	Administration	\$ 2,969	\$ 3,058	\$ 3,150	\$ 3,245	\$ 3,342	\$ 3,442	\$ 3,545	\$ 3,651	\$ 3,761	\$ 3,874	\$ 3,990	
45-37300-53410	Sewer System Ops/Mtce-Printing & Forms	45 : 37300	OPERATING	Administration	\$ 200	\$ 206	\$ 212	\$ 218	\$ 225	\$ 232	\$ 239	\$ 246	\$ 253	\$ 261	\$ 269	
45-37300-53420	Sewer System Ops/Mtce-Postage/Shipping/Freight	45 : 37300	OPERATING	Administration	\$ 500	\$ 515	\$ 530	\$ 546	\$ 562	\$ 579	\$ 596	\$ 614	\$ 632	\$ 651	\$ 671	
45-37300-53430	Sewer System Ops/Mtce-Dues/Subsct/Licenses	45 : 37300	OPERATING	Administration	\$ 145	\$ 149	\$ 153	\$ 158	\$ 163	\$ 168	\$ 173	\$ 178	\$ 183	\$ 188	\$ 194	
45-37300-53440	Sewer System Ops/Mtce-Advertising	45 : 37300	OPERATING	Administration	\$ 250	\$ 258	\$ 266	\$ 274	\$ 282	\$ 290	\$ 299	\$ 308	\$ 317	\$ 327	\$ 337	
45-37300-53450	Sewer System Ops/Mtce-Food and Meeting	45 : 37300	OPERATING	Administration	\$ 500	\$ 515	\$ 530	\$ 546	\$ 562	\$ 579	\$ 596	\$ 614	\$ 632	\$ 651	\$ 671	
45-37300-53470	Sewer System Ops/Mtce-Employee Recognition	45 : 37300	OPERATING	Administration	\$ 515	\$ 530	\$ 546	\$ 562	\$ 579	\$ 596	\$ 614	\$ 632	\$ 651	\$ 671	\$ 691	
45-37300-53510	Sewer System Ops/Mtce-Utilities-Gas	45 : 37300	OPERATING	Administration	\$ 12,744	\$ 13,126	\$ 13,520	\$ 13,926	\$ 14,344	\$ 14,774	\$ 15,217	\$ 15,674	\$ 16,144	\$ 16,628	\$ 17,127	
45-37300-53520	Sewer System Ops/Mtce-Utilities-Electricity	45 : 37300	OPERATING	Administration	\$ 133,008	\$ 136,998	\$ 141,108	\$ 145,341	\$ 149,701	\$ 154,192	\$ 158,818	\$ 163,583	\$ 168,490	\$ 173,545	\$ 178,751	
45-37300-53530	Sewer System Ops/Mtce-Utilities-Water/Sewer	45 : 37300	OPERATING	Administration	\$ 2,184	\$ 2,250	\$ 2,318	\$ 2,388	\$ 2,460	\$ 2,534	\$ 2,610	\$ 2,688	\$ 2,769	\$ 2,852	\$ 2,938	
45-37300-53550	Sewer System Ops/Mtce-Util-Cell Phone/Pager Serv	45 : 37300	OPERATING	Administration	\$ 7,116	\$ 7,329	\$ 7,549	\$ 7,775	\$ 8,008	\$ 8,248	\$ 8,495	\$ 8,750	\$ 9,013	\$ 9,283	\$ 9,561	
45-37300-53610	Sewer System Ops/Mtce-Repair & Mtce Svcs-Bldgs	45 : 37300	OPERATING	Administration	\$ 9,995	\$ 10,295	\$ 10,604	\$ 10,922	\$ 11,250	\$ 11,588	\$ 11,936	\$ 12,294	\$ 12,663	\$ 13,043	\$ 13,434	
45-37300-53630	Sewer System Ops/Mtce-R & M Svcs-Electronics	45 : 37300	OPERATING	Administration	\$ 10,830	\$ 11,155	\$ 11,490	\$ 11,835	\$ 12,190	\$ 12,556	\$ 12,933	\$ 13,321	\$ 13,721	\$ 14,133	\$ 14,557	
45-37300-53670	Sewer System Ops/Mtce-R & M Svcs-Sidewalk-Main	45 : 37300	OPERATING	Administration	\$ 20,400	\$ 21,012	\$ 21,642	\$ 22,291	\$ 22,960	\$ 23,649	\$ 24,358	\$ 25,089	\$ 25,842	\$ 26,617	\$ 27,416	
45-37300-53690	Sewer System Ops/Mtce-Repair & Mtce Svcs-Other	45 : 37300	OPERATING	Administration	\$ 45,000	\$ 46,350	\$ 47,741	\$ 49,173	\$ 50,648	\$ 52,167	\$ 53,732	\$ 55,344	\$ 57,004	\$ 58,714	\$ 60,475	
45-37300-53710	Sewer System Ops/Mtce-Rentals & Leases-Buildings	45 : 37300	OPERATING	Administration	\$ 2,113	\$ 2,176	\$ 2,241	\$ 2,308	\$ 2,377	\$ 2,448	\$ 2,521	\$ 2,597	\$ 2,675	\$ 2,755	\$ 2,838	
45-37300-53720	Sewer System Ops/Mtce-Rentals & Leases-Vehicles	45 : 37300	OPERATING	Administration	\$ 1,200	\$ 1,236	\$ 1,273	\$ 1,311	\$ 1,350	\$ 1,391	\$ 1,433	\$ 1,476	\$ 1,520	\$ 1,566	\$ 1,613	
Total Personnel					\$ 724,236	\$ 745,963	\$ 768,341	\$ 791,391	\$ 815,132	\$ 839,586	\$ 864,775	\$ 890,719	\$ 917,441	\$ 944,963	\$ 973,311	
Total Operating					\$ 548,406	\$ 564,859	\$ 581,804	\$ 599,256	\$ 617,233	\$ 635,750	\$ 654,821	\$ 674,466	\$ 694,700	\$ 715,543	\$ 737,009	
Total Debt Service					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total Capital Outlay					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total Transfers					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total 45 : Wastewater 37300 : Sewer System Ops/Mtce					\$ 1,272,642	\$ 1,310,822	\$ 1,350,145	\$ 1,390,647	\$ 1,432,365	\$ 1,475,336	\$ 1,519,596	\$ 1,565,185	\$ 1,612,141	\$ 1,660,506	\$ 1,710,320	

CITY AND COUNTY OF BROOMFIELD, CO
 WATER, RECLAIMED & SEWER SYSTEM
 REVENUES AND EXPENSES - WASTEWATER

Acct	Description	Utility	Type	Department	Adjusted Budget	Projected										
					2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	
45 : WASTEWATER 37400 : LABORATORY OPERATIONS																
45-37400-51110	Laboratory Operations-Salaries Full Time	45 : 37400	PERSONNEL	Treatment	\$ 300,527	\$ 309,543	\$ 318,829	\$ 328,394	\$ 338,246	\$ 348,393	\$ 358,845	\$ 369,610	\$ 380,698	\$ 392,119	\$ 403,883	
45-37400-51210	Laboratory Operations-Salaries Part Time	45 : 37400	PERSONNEL	Treatment	\$ 41,708	\$ 42,959	\$ 44,248	\$ 45,575	\$ 46,942	\$ 48,350	\$ 49,801	\$ 51,295	\$ 52,834	\$ 54,419	\$ 56,052	
45-37400-51410	Laboratory Operations-Overtime	45 : 37400	PERSONNEL	Treatment	\$ 768	\$ 791	\$ 815	\$ 839	\$ 864	\$ 890	\$ 917	\$ 945	\$ 973	\$ 1,002	\$ 1,032	
45-37400-51510	Laboratory Operations-Holiday Pay	45 : 37400	PERSONNEL	Treatment	\$ 307	\$ 316	\$ 325	\$ 335	\$ 345	\$ 355	\$ 366	\$ 377	\$ 388	\$ 400	\$ 412	
45-37400-51610	Laboratory Operations-Social Security	45 : 37400	PERSONNEL	Treatment	\$ 21,286	\$ 21,925	\$ 22,583	\$ 23,260	\$ 23,958	\$ 24,677	\$ 25,417	\$ 26,180	\$ 26,965	\$ 27,774	\$ 28,607	
45-37400-51620	Laboratory Operations-Medicare	45 : 37400	PERSONNEL	Treatment	\$ 4,978	\$ 5,127	\$ 5,281	\$ 5,439	\$ 5,602	\$ 5,770	\$ 5,943	\$ 6,121	\$ 6,305	\$ 6,494	\$ 6,689	
45-37400-51710	Laboratory Operations-Ben Empl Money Purchase Pn	45 : 37400	PERSONNEL	Treatment	\$ 17,362	\$ 17,883	\$ 18,419	\$ 18,972	\$ 19,541	\$ 20,127	\$ 20,731	\$ 21,353	\$ 21,994	\$ 22,654	\$ 23,334	
45-37400-51720	Laboratory Operations-Benefits Employee Pension	45 : 37400	PERSONNEL	Treatment	\$ 1,199	\$ 1,235	\$ 1,272	\$ 1,310	\$ 1,349	\$ 1,389	\$ 1,431	\$ 1,474	\$ 1,518	\$ 1,564	\$ 1,611	
45-37400-51740	Laboratory Operations-Empl Assist. Program	45 : 37400	PERSONNEL	Treatment	\$ 105	\$ 108	\$ 111	\$ 114	\$ 117	\$ 121	\$ 125	\$ 129	\$ 133	\$ 137	\$ 141	
45-37400-51750	Laboratory Operations-Ben Flex Administration	45 : 37400	PERSONNEL	Treatment	\$ 176	\$ 181	\$ 186	\$ 192	\$ 198	\$ 204	\$ 210	\$ 216	\$ 222	\$ 229	\$ 236	
45-37400-51760	Laboratory Operations-City Contri to Deferred Comp	45 : 37400	PERSONNEL	Treatment	\$ 2,502	\$ 2,577	\$ 2,654	\$ 2,734	\$ 2,816	\$ 2,900	\$ 2,987	\$ 3,077	\$ 3,169	\$ 3,264	\$ 3,362	
45-37400-51780	Laboratory Operations-Retiree Health Savings Plan	45 : 37400	PERSONNEL	Treatment	\$ 3,118	\$ 3,212	\$ 3,308	\$ 3,407	\$ 3,509	\$ 3,614	\$ 3,722	\$ 3,834	\$ 3,949	\$ 4,067	\$ 4,189	
45-37400-51810	Laboratory Operations-Insurance MCEP	45 : 37400	PERSONNEL	Treatment	\$ 61,455	\$ 63,299	\$ 65,198	\$ 67,154	\$ 69,169	\$ 71,244	\$ 73,381	\$ 75,582	\$ 77,849	\$ 80,184	\$ 82,590	
45-37400-51820	Laboratory Operations-Insurance Kaiser	45 : 37400	PERSONNEL	Treatment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
45-37400-51830	Laboratory Operations-Insurance Dental	45 : 37400	PERSONNEL	Treatment	\$ 2,779	\$ 2,862	\$ 2,948	\$ 3,036	\$ 3,127	\$ 3,221	\$ 3,318	\$ 3,418	\$ 3,521	\$ 3,627	\$ 3,736	
45-37400-51840	Laboratory Operations-Insurance Life/ADD/LD	45 : 37400	PERSONNEL	Treatment	\$ 1,334	\$ 1,374	\$ 1,415	\$ 1,457	\$ 1,501	\$ 1,546	\$ 1,592	\$ 1,640	\$ 1,689	\$ 1,740	\$ 1,792	
45-37400-52110	Laboratory Operations-Supplies-Office	45 : 37400	OPERATING	Treatment	\$ 592	\$ 610	\$ 628	\$ 647	\$ 666	\$ 686	\$ 707	\$ 728	\$ 750	\$ 773	\$ 796	
45-37400-52120	Laboratory Operations-Supplies-Electronics	45 : 37400	OPERATING	Treatment	\$ 1,102	\$ 1,135	\$ 1,169	\$ 1,204	\$ 1,240	\$ 1,277	\$ 1,315	\$ 1,354	\$ 1,395	\$ 1,437	\$ 1,480	
45-37400-52130	Laboratory Operations-Supplies-Safety	45 : 37400	OPERATING	Treatment	\$ 4,865	\$ 5,011	\$ 5,161	\$ 5,316	\$ 5,475	\$ 5,639	\$ 5,808	\$ 5,982	\$ 6,161	\$ 6,346	\$ 6,536	
45-37400-52150	Laboratory Operations-Supplies-Chemicals	45 : 37400	OPERATING	Treatment	\$ 40,180	\$ 41,385	\$ 42,627	\$ 43,906	\$ 45,223	\$ 46,580	\$ 47,977	\$ 49,416	\$ 50,898	\$ 52,425	\$ 53,998	
45-37400-52190	Laboratory Operations-Supplies-Other	45 : 37400	OPERATING	Treatment	\$ 9,853	\$ 10,149	\$ 10,453	\$ 10,767	\$ 11,090	\$ 11,423	\$ 11,766	\$ 12,119	\$ 12,483	\$ 12,857	\$ 13,243	
45-37400-52520	Laboratory Operations-Equipment-Electronics	45 : 37400	OPERATING	Treatment	\$ 1,250	\$ 1,288	\$ 1,327	\$ 1,367	\$ 1,408	\$ 1,450	\$ 1,494	\$ 1,539	\$ 1,585	\$ 1,633	\$ 1,682	
45-37400-52590	Laboratory Operations-Equipment-Other	45 : 37400	OPERATING	Treatment	\$ 3,723	\$ 3,835	\$ 3,950	\$ 4,069	\$ 4,191	\$ 4,317	\$ 4,447	\$ 4,580	\$ 4,717	\$ 4,859	\$ 5,005	
45-37400-52790	Laboratory Operations-Repair & Mtce-Other	45 : 37400	OPERATING	Treatment	\$ 10,300	\$ 10,609	\$ 10,927	\$ 11,255	\$ 11,593	\$ 11,941	\$ 12,299	\$ 12,668	\$ 13,048	\$ 13,439	\$ 13,842	
45-37400-53170	Laboratory Operations-Professional Svcs-Misc	45 : 37400	OPERATING	Treatment	\$ 22,175	\$ 22,840	\$ 23,525	\$ 24,231	\$ 24,958	\$ 25,707	\$ 26,478	\$ 27,272	\$ 28,090	\$ 28,933	\$ 29,801	
45-37400-53210	Laboratory Operations-Trng & Trvl-Dept Spec	45 : 37400	OPERATING	Treatment	\$ 6,899	\$ 7,106	\$ 7,319	\$ 7,539	\$ 7,765	\$ 7,998	\$ 8,238	\$ 8,485	\$ 8,740	\$ 9,002	\$ 9,272	
45-37400-53410	Laboratory Operations-Printing & Forms	45 : 37400	OPERATING	Treatment	\$ 70	\$ 72	\$ 74	\$ 76	\$ 78	\$ 80	\$ 82	\$ 84	\$ 87	\$ 90	\$ 93	
45-37400-53420	Laboratory Operations-Postage/Shipping/freight	45 : 37400	OPERATING	Treatment	\$ 2,000	\$ 2,060	\$ 2,122	\$ 2,186	\$ 2,252	\$ 2,320	\$ 2,390	\$ 2,462	\$ 2,536	\$ 2,612	\$ 2,690	
45-37400-53430	Laboratory Operations-Dues/Subsc/Licenses	45 : 37400	OPERATING	Treatment	\$ 645	\$ 664	\$ 684	\$ 705	\$ 726	\$ 748	\$ 770	\$ 793	\$ 817	\$ 842	\$ 867	
45-37400-53450	Laboratory Operations-Food and Meeting	45 : 37400	OPERATING	Treatment	\$ 216	\$ 222	\$ 229	\$ 236	\$ 243	\$ 250	\$ 258	\$ 266	\$ 274	\$ 282	\$ 290	
45-37400-53470	Laboratory Operations-Employee Recognition	45 : 37400	OPERATING	Treatment	\$ 250	\$ 258	\$ 266	\$ 274	\$ 282	\$ 290	\$ 299	\$ 308	\$ 317	\$ 327	\$ 337	
45-37400-53550	Laboratory Operations-Util-Cell Phone/Pager Serv	45 : 37400	OPERATING	Treatment	\$ 1,591	\$ 1,639	\$ 1,688	\$ 1,739	\$ 1,791	\$ 1,845	\$ 1,900	\$ 1,957	\$ 2,016	\$ 2,076	\$ 2,138	
45-37400-53630	Laboratory Operations-R & M Svcs-Electronics	45 : 37400	OPERATING	Treatment	\$ 9,181	\$ 9,456	\$ 9,740	\$ 10,032	\$ 10,333	\$ 10,643	\$ 10,962	\$ 11,291	\$ 11,630	\$ 11,979	\$ 12,338	
45-37400-53690	Laboratory Operations-Repair & Mtce Svcs-Other	45 : 37400	OPERATING	Treatment	\$ 20,178	\$ 20,783	\$ 21,406	\$ 22,048	\$ 22,709	\$ 23,390	\$ 24,092	\$ 24,815	\$ 25,559	\$ 26,326	\$ 27,116	
45-37400-53790	Laboratory Operations-Rentals & Leases-Other	45 : 37400	OPERATING	Treatment	\$ 2,632	\$ 2,711	\$ 2,792	\$ 2,876	\$ 2,962	\$ 3,051	\$ 3,143	\$ 3,237	\$ 3,334	\$ 3,434	\$ 3,537	
	Total Personnel				\$ 459,604	\$ 473,392	\$ 487,592	\$ 502,218	\$ 517,284	\$ 532,801	\$ 548,786	\$ 565,251	\$ 582,207	\$ 599,674	\$ 617,666	
	Total Operating				\$ 137,702	\$ 141,833	\$ 146,087	\$ 150,473	\$ 154,985	\$ 159,635	\$ 164,425	\$ 169,356	\$ 174,437	\$ 179,672	\$ 185,061	
	Total Debt Service				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	Total Capital Outlay				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	Total Transfers				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	Total 45 : Wastewater 37400 : Laboratory Operations				\$ 597,306	\$ 615,225	\$ 633,679	\$ 652,691	\$ 672,269	\$ 692,436	\$ 713,211	\$ 734,607	\$ 756,644	\$ 779,346	\$ 802,727	

CITY AND COUNTY OF BROOMFIELD, CO
 WATER, RECLAIMED & SEWER SYSTEM
 REVENUES AND EXPENSES - WASTEWATER

Acct	Description	Utility	Type	Department	Adjusted Budget	Projected										
					2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	
45 : WASTEWATER 38600 : SEWER STORMWATER																
45-38600-51110	Stormwater-Salaries Full Time	45 : 38600	PERSONNEL	Collection	\$ 209,891	\$ 216,188	\$ 222,674	\$ 229,354	\$ 236,235	\$ 243,322	\$ 250,622	\$ 258,141	\$ 265,885	\$ 273,862	\$ 282,078	
45-38600-51410	Stormwater-Overtime	45 : 38600	PERSONNEL	Collection	\$ 4,892	\$ 5,039	\$ 5,190	\$ 5,346	\$ 5,506	\$ 5,671	\$ 5,841	\$ 6,016	\$ 6,196	\$ 6,382	\$ 6,573	
45-38600-51510	Stormwater-Holiday Pay	45 : 38600	PERSONNEL	Collection	\$ 741	\$ 763	\$ 786	\$ 810	\$ 834	\$ 859	\$ 885	\$ 912	\$ 939	\$ 967	\$ 996	
45-38600-51520	Stormwater-On Call Pay	45 : 38600	PERSONNEL	Collection	\$ 3,546	\$ 3,652	\$ 3,762	\$ 3,875	\$ 3,991	\$ 4,111	\$ 4,234	\$ 4,361	\$ 4,492	\$ 4,627	\$ 4,766	
45-38600-51610	Stormwater-Social Security	45 : 38600	PERSONNEL	Collection	\$ 13,576	\$ 13,983	\$ 14,402	\$ 14,834	\$ 15,279	\$ 15,737	\$ 16,209	\$ 16,695	\$ 17,196	\$ 17,712	\$ 18,243	
45-38600-51620	Stormwater-Medicare	45 : 38600	PERSONNEL	Collection	\$ 3,176	\$ 3,271	\$ 3,369	\$ 3,470	\$ 3,574	\$ 3,681	\$ 3,791	\$ 3,905	\$ 4,022	\$ 4,143	\$ 4,267	
45-38600-51710	Stormwater-Ben Empl Money Purchase Pn	45 : 38600	PERSONNEL	Collection	\$ 12,593	\$ 12,971	\$ 13,360	\$ 13,761	\$ 14,174	\$ 14,599	\$ 15,037	\$ 15,488	\$ 15,953	\$ 16,432	\$ 16,925	
45-38600-51740	Stormwater-Empl Assit. Program	45 : 38600	PERSONNEL	Collection	\$ 60	\$ 62	\$ 64	\$ 66	\$ 68	\$ 70	\$ 72	\$ 74	\$ 76	\$ 78	\$ 80	
45-38600-51750	Stormwater-Ben Flex Administration	45 : 38600	PERSONNEL	Collection	\$ 54	\$ 56	\$ 58	\$ 60	\$ 62	\$ 64	\$ 66	\$ 68	\$ 70	\$ 72	\$ 74	
45-38600-51780	Stormwater-Retiree Health Savings Plan	45 : 38600	PERSONNEL	Collection	\$ 2,313	\$ 2,382	\$ 2,453	\$ 2,527	\$ 2,603	\$ 2,681	\$ 2,761	\$ 2,844	\$ 2,929	\$ 3,017	\$ 3,108	
45-38600-51810	Stormwater-Insurance MCEP	45 : 38600	PERSONNEL	Collection	\$ 28,920	\$ 29,788	\$ 30,682	\$ 31,602	\$ 32,550	\$ 33,527	\$ 34,533	\$ 35,569	\$ 36,636	\$ 37,735	\$ 38,867	
45-38600-51830	Stormwater-Insurance Dental	45 : 38600	PERSONNEL	Collection	\$ 798	\$ 822	\$ 847	\$ 872	\$ 898	\$ 925	\$ 953	\$ 982	\$ 1,011	\$ 1,041	\$ 1,072	
45-38600-51840	Stormwater-Insurance Life/ADD/LD	45 : 38600	PERSONNEL	Collection	\$ 908	\$ 935	\$ 963	\$ 992	\$ 1,022	\$ 1,053	\$ 1,085	\$ 1,118	\$ 1,152	\$ 1,187	\$ 1,223	
45-38600-52110	Stormwater-Supplies-Office	45 : 38600	OPERATING	Collection	\$ 626	\$ 645	\$ 664	\$ 684	\$ 705	\$ 726	\$ 748	\$ 770	\$ 793	\$ 817	\$ 842	
45-38600-52120	Stormwater-Supplies-Electronics	45 : 38600	OPERATING	Collection	\$ 40	\$ 41	\$ 42	\$ 43	\$ 44	\$ 45	\$ 46	\$ 47	\$ 48	\$ 49	\$ 50	
45-38600-52130	Stormwater-Supplies-Safety	45 : 38600	OPERATING	Collection	\$ 7,620	\$ 7,849	\$ 8,084	\$ 8,327	\$ 8,577	\$ 8,834	\$ 9,099	\$ 9,372	\$ 9,653	\$ 9,943	\$ 10,241	
45-38600-52150	Stormwater-Supplies-Chemicals	45 : 38600	OPERATING	Collection	\$ 325	\$ 335	\$ 345	\$ 355	\$ 366	\$ 377	\$ 388	\$ 400	\$ 412	\$ 424	\$ 437	
45-38600-52190	Stormwater-Supplies-Other	45 : 38600	OPERATING	Collection	\$ 1,040	\$ 1,071	\$ 1,103	\$ 1,136	\$ 1,170	\$ 1,205	\$ 1,241	\$ 1,278	\$ 1,316	\$ 1,355	\$ 1,396	
45-38600-52530	Stormwater-Equipment-Safety	45 : 38600	OPERATING	Collection	\$ 570	\$ 587	\$ 605	\$ 623	\$ 642	\$ 661	\$ 681	\$ 701	\$ 722	\$ 744	\$ 766	
45-38600-52590	Stormwater-Equipment-Other	45 : 38600	OPERATING	Collection	\$ 2,040	\$ 2,101	\$ 2,164	\$ 2,229	\$ 2,296	\$ 2,365	\$ 2,436	\$ 2,509	\$ 2,584	\$ 2,662	\$ 2,742	
45-38600-53170	Stormwater-Professional Svcs-Misc	45 : 38600	OPERATING	Collection	\$ 11,700	\$ 12,051	\$ 12,413	\$ 12,785	\$ 13,169	\$ 13,564	\$ 13,971	\$ 14,390	\$ 14,822	\$ 15,267	\$ 15,725	
45-38600-53210	Stormwater-Trng & Trvl-Dept Spec	45 : 38600	OPERATING	Collection	\$ 4,375	\$ 4,506	\$ 4,641	\$ 4,780	\$ 4,923	\$ 5,071	\$ 5,223	\$ 5,380	\$ 5,541	\$ 5,707	\$ 5,878	
45-38600-53410	Stormwater-Printing & Forms	45 : 38600	OPERATING	Collection	\$ 2,875	\$ 2,961	\$ 3,050	\$ 3,142	\$ 3,236	\$ 3,333	\$ 3,433	\$ 3,536	\$ 3,642	\$ 3,751	\$ 3,864	
45-38600-53420	Stormwater-Postage/Shipping/Freight	45 : 38600	OPERATING	Collection	\$ 401	\$ 413	\$ 425	\$ 438	\$ 451	\$ 465	\$ 479	\$ 493	\$ 508	\$ 523	\$ 539	
45-38600-53430	Stormwater-Dues/Subsc/Licenses	45 : 38600	OPERATING	Collection	\$ 2,050	\$ 2,112	\$ 2,175	\$ 2,240	\$ 2,307	\$ 2,376	\$ 2,447	\$ 2,520	\$ 2,596	\$ 2,674	\$ 2,754	
45-38600-53440	Stormwater-Advertising	45 : 38600	OPERATING	Collection	\$ 17,500	\$ 18,025	\$ 18,566	\$ 19,123	\$ 19,697	\$ 20,288	\$ 20,897	\$ 21,524	\$ 22,170	\$ 22,835	\$ 23,520	
45-38600-53450	Stormwater-Food and Meeting	45 : 38600	OPERATING	Collection	\$ 300	\$ 309	\$ 318	\$ 328	\$ 338	\$ 348	\$ 358	\$ 369	\$ 380	\$ 391	\$ 403	
45-38600-53470	Stormwater-Employee Recognition	45 : 38600	OPERATING	Collection	\$ 300	\$ 309	\$ 318	\$ 328	\$ 338	\$ 348	\$ 358	\$ 369	\$ 380	\$ 391	\$ 403	
45-38600-53550	Stormwater-Util-Cell Phone/Pager Serv	45 : 38600	OPERATING	Collection	\$ 1,946	\$ 2,004	\$ 2,064	\$ 2,126	\$ 2,190	\$ 2,256	\$ 2,324	\$ 2,394	\$ 2,466	\$ 2,540	\$ 2,616	
	Total Personnel				\$ 281,468	\$ 289,912	\$ 298,610	\$ 307,569	\$ 316,796	\$ 326,300	\$ 336,089	\$ 346,173	\$ 356,557	\$ 367,255	\$ 378,272	
	Total Operating				\$ 53,708	\$ 55,319	\$ 56,977	\$ 58,687	\$ 60,449	\$ 62,262	\$ 64,129	\$ 66,052	\$ 68,033	\$ 70,073	\$ 72,176	
	Total Debt Service				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	Total Capital Outlay				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	Total Transfers				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	Total 45 : Wastewater 38600 : Sewer Stormwater				\$ 335,176	\$ 345,231	\$ 355,587	\$ 366,256	\$ 377,245	\$ 388,562	\$ 400,218	\$ 412,225	\$ 424,590	\$ 437,328	\$ 450,448	

CITY AND COUNTY OF BROOMFIELD, CO
 WATER, RECLAIMED & SEWER SYSTEM
 REVENUES AND EXPENSES - WASTEWATER

Acct	Description	Utility	Type	Department	Adjusted Budget	Projected									
					2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
45 : WASTEWATER 38800 : SEWER STORMWATER - O & M															
45-38800-51110	Salaries Full Time	45 : 38800	PERSONNEL	Collection	\$ 214,211	\$ 220,637	\$ 227,256	\$ 234,074	\$ 241,096	\$ 248,329	\$ 255,779	\$ 263,452	\$ 271,356	\$ 279,497	\$ 287,882
45-38800-51410	Overtime	45 : 38800	PERSONNEL	Collection	\$ 4,081	\$ 4,203	\$ 4,329	\$ 4,459	\$ 4,593	\$ 4,731	\$ 4,873	\$ 5,019	\$ 5,170	\$ 5,325	\$ 5,485
45-38800-51510	Holiday Pay	45 : 38800	PERSONNEL	Collection	\$ 1,375	\$ 1,416	\$ 1,458	\$ 1,502	\$ 1,547	\$ 1,593	\$ 1,641	\$ 1,690	\$ 1,741	\$ 1,793	\$ 1,847
45-38800-51520	On Call Pay	45 : 38800	PERSONNEL	Collection	\$ 1,020	\$ 1,051	\$ 1,083	\$ 1,115	\$ 1,148	\$ 1,182	\$ 1,217	\$ 1,254	\$ 1,292	\$ 1,331	\$ 1,371
45-38800-51610	Social Security	45 : 38800	PERSONNEL	Collection	\$ 13,697	\$ 14,108	\$ 14,531	\$ 14,967	\$ 15,416	\$ 15,878	\$ 16,354	\$ 16,845	\$ 17,350	\$ 17,871	\$ 18,407
45-38800-51620	Medicare	45 : 38800	PERSONNEL	Collection	\$ 3,203	\$ 3,299	\$ 3,398	\$ 3,500	\$ 3,605	\$ 3,713	\$ 3,824	\$ 3,939	\$ 4,057	\$ 4,179	\$ 4,304
45-38800-51710	Sewer Stormwater-O&M-Ben Emp Money Purch Pn	45 : 38800	PERSONNEL	Collection	\$ 12,853	\$ 13,239	\$ 13,636	\$ 14,045	\$ 14,466	\$ 14,900	\$ 15,347	\$ 15,807	\$ 16,281	\$ 16,769	\$ 17,272
45-38800-51740	Empl Assist. Program	45 : 38800	PERSONNEL	Collection	\$ 80	\$ 82	\$ 84	\$ 87	\$ 90	\$ 93	\$ 96	\$ 99	\$ 102	\$ 105	\$ 108
45-38800-51750	Sewer Stormwater-O&M-Ben Flex Administration	45 : 38800	PERSONNEL	Collection	\$ 162	\$ 167	\$ 172	\$ 177	\$ 182	\$ 187	\$ 193	\$ 199	\$ 205	\$ 211	\$ 217
45-38800-51780	Retiree Health Savings Plan	45 : 38800	PERSONNEL	Collection	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
45-38800-51810	Insurance MCEP	45 : 38800	PERSONNEL	Collection	\$ 57,840	\$ 59,575	\$ 61,362	\$ 63,203	\$ 65,099	\$ 67,052	\$ 69,064	\$ 71,136	\$ 73,270	\$ 75,468	\$ 77,732
45-38800-51820	Insurance Kaiser	45 : 38800	PERSONNEL	Collection	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
45-38800-51830	Insurance Dental	45 : 38800	PERSONNEL	Collection	\$ 2,835	\$ 2,920	\$ 3,008	\$ 3,098	\$ 3,191	\$ 3,287	\$ 3,386	\$ 3,488	\$ 3,593	\$ 3,701	\$ 3,812
45-38800-51840	Insurance Life/ADD/LD	45 : 38800	PERSONNEL	Collection	\$ 926	\$ 954	\$ 983	\$ 1,012	\$ 1,042	\$ 1,073	\$ 1,105	\$ 1,138	\$ 1,172	\$ 1,207	\$ 1,243
45-38800-52110	Sewer Stormwater O&M-Supplies-Office	45 : 38800	OPERATING	Collection	\$ 100	\$ 103	\$ 106	\$ 109	\$ 112	\$ 115	\$ 118	\$ 122	\$ 126	\$ 130	\$ 134
45-38800-52120	Sewer Stormwater O&M-Supplies-Electronics	45 : 38800	OPERATING	Collection	\$ 100	\$ 103	\$ 106	\$ 109	\$ 112	\$ 115	\$ 118	\$ 122	\$ 126	\$ 130	\$ 134
45-38800-52130	Sewer Stormwater O&M-Supplies-Safety	45 : 38800	OPERATING	Collection	\$ 2,140	\$ 2,204	\$ 2,270	\$ 2,338	\$ 2,408	\$ 2,480	\$ 2,554	\$ 2,631	\$ 2,710	\$ 2,791	\$ 2,875
45-38800-52190	Sewer Stormwater O&M-Supplies-Other	45 : 38800	OPERATING	Collection	\$ 5,475	\$ 5,639	\$ 5,808	\$ 5,982	\$ 6,161	\$ 6,346	\$ 6,536	\$ 6,732	\$ 6,934	\$ 7,142	\$ 7,356
45-38800-52520	Sewer Stormwater O&M-Equipment-Electronics	45 : 38800	OPERATING	Collection	\$ 200	\$ 206	\$ 212	\$ 218	\$ 225	\$ 232	\$ 239	\$ 246	\$ 253	\$ 261	\$ 269
45-38800-52530	Sewer Stormwater O&M-Equipment-Safety	45 : 38800	OPERATING	Collection	\$ 400	\$ 412	\$ 424	\$ 437	\$ 450	\$ 464	\$ 478	\$ 492	\$ 507	\$ 522	\$ 538
45-38800-52590	Sewer Stormwater O&M-Equipment-Other	45 : 38800	OPERATING	Collection	\$ 504	\$ 519	\$ 535	\$ 551	\$ 568	\$ 585	\$ 603	\$ 621	\$ 640	\$ 659	\$ 679
45-38800-52790	Sewer Stormwater O&M-Repair & Mtce-Other	45 : 38800	OPERATING	Collection	\$ 8,900	\$ 9,167	\$ 9,442	\$ 9,725	\$ 10,017	\$ 10,318	\$ 10,628	\$ 10,947	\$ 11,275	\$ 11,613	\$ 11,961
45-38800-53170	Professional Svcs - Misc	45 : 38800	OPERATING	Collection	\$ 300	\$ 309	\$ 318	\$ 328	\$ 338	\$ 348	\$ 358	\$ 369	\$ 380	\$ 391	\$ 403
45-38800-53210	Sewer Stormwater O&M-Trng & Trnl-Dept Spec	45 : 38800	OPERATING	Collection	\$ 1,020	\$ 1,051	\$ 1,083	\$ 1,115	\$ 1,148	\$ 1,182	\$ 1,217	\$ 1,254	\$ 1,292	\$ 1,331	\$ 1,371
45-38800-53410	Sewer Stormwater O&M-Printing & Forms	45 : 38800	OPERATING	Collection	\$ 50	\$ 52	\$ 54	\$ 56	\$ 58	\$ 60	\$ 62	\$ 64	\$ 66	\$ 68	\$ 70
45-38800-53430	Sewer Stormwater O&M-Dues/Subscr/Licenses	45 : 38800	OPERATING	Collection	\$ 36	\$ 37	\$ 38	\$ 39	\$ 40	\$ 41	\$ 42	\$ 43	\$ 44	\$ 45	\$ 46
45-38800-53470	Sewer Stormwater O&M-Employee Recognition	45 : 38800	OPERATING	Collection	\$ 200	\$ 206	\$ 212	\$ 218	\$ 225	\$ 232	\$ 239	\$ 246	\$ 253	\$ 261	\$ 269
45-38800-53530	Sewer Stormwater O&M-Utilities-Water/Sewer	45 : 38800	OPERATING	Collection	\$ 208	\$ 214	\$ 220	\$ 227	\$ 234	\$ 241	\$ 248	\$ 255	\$ 263	\$ 271	\$ 279
45-38800-53550	Sewer Stormwater O&M-Util-Cell Phone/Pager Ser	45 : 38800	OPERATING	Collection	\$ 1,590	\$ 1,638	\$ 1,687	\$ 1,738	\$ 1,790	\$ 1,844	\$ 1,899	\$ 1,956	\$ 2,015	\$ 2,075	\$ 2,137
45-38800-53690	Sewer Stormwater O&M-Repair & Mtce Svcs-Other	45 : 38800	OPERATING	Collection	\$ 15,700	\$ 16,171	\$ 16,656	\$ 17,156	\$ 17,671	\$ 18,201	\$ 18,747	\$ 19,309	\$ 19,888	\$ 20,485	\$ 21,100
45-38800-54500	Sewer Stormwater O&M-Vehicles	45 : 38800	CAPITAL	Collection	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
45-38800-54600	Sewer Stormwater O&M-Special Equipment	45 : 38800	CAPITAL	Collection	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Total Personnel				\$ 312,283	\$ 321,651	\$ 331,300	\$ 341,239	\$ 351,475	\$ 362,018	\$ 372,879	\$ 384,066	\$ 395,589	\$ 407,457	\$ 419,680
	Total Operating				\$ 36,923	\$ 38,031	\$ 39,171	\$ 40,346	\$ 41,557	\$ 42,804	\$ 44,086	\$ 45,409	\$ 46,772	\$ 48,175	\$ 49,621
	Total Debt Service				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Total Capital Outlay				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Total Transfers				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Total 45 : Wastewater 38800 : Sewer Stormwater - O & M				\$ 349,206	\$ 359,682	\$ 370,471	\$ 381,585	\$ 393,032	\$ 404,822	\$ 416,965	\$ 429,475	\$ 442,361	\$ 455,632	\$ 469,301

CITY AND COUNTY OF BROOMFIELD, CO
 WATER, RECLAIMED & SEWER SYSTEM
 REVENUES AND EXPENSES - WASTEWATER

Acct	Description	Utility	Type	Department	Adjusted Budget	Projected									
					2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
45 : WASTEWATER 38900 : SEWER STORMWATER - ENVR SVCS															
45-38900-51110	Sewer Stormwater-Salaries Full Time	45 : 38900	PERSONNEL	Administration	\$ 46,929	\$ 48,337	\$ 49,787	\$ 51,281	\$ 52,819	\$ 54,404	\$ 56,036	\$ 57,717	\$ 59,449	\$ 61,232	\$ 63,069
45-38900-51410	Sewer Stormwater-Overtime	45 : 38900	PERSONNEL	Administration	\$ 6,570	\$ 6,767	\$ 6,970	\$ 7,179	\$ 7,394	\$ 7,616	\$ 7,844	\$ 8,079	\$ 8,321	\$ 8,571	\$ 8,828
45-38900-51610	Sewer Stormwater-Envr Svcs-Social Security	45 : 38900	PERSONNEL	Administration	\$ 3,317	\$ 3,417	\$ 3,520	\$ 3,626	\$ 3,735	\$ 3,847	\$ 3,962	\$ 4,081	\$ 4,203	\$ 4,329	\$ 4,459
45-38900-51620	Sewer Stormwater-Envr Svcs-Medicare	45 : 38900	PERSONNEL	Administration	\$ 775	\$ 798	\$ 822	\$ 847	\$ 872	\$ 898	\$ 925	\$ 953	\$ 982	\$ 1,011	\$ 1,041
45-38900-51710	Sewer Stormwater-Ben Empl MPP	45 : 38900	PERSONNEL	Administration	\$ 2,816	\$ 2,900	\$ 2,987	\$ 3,077	\$ 3,169	\$ 3,264	\$ 3,362	\$ 3,463	\$ 3,567	\$ 3,674	\$ 3,784
45-38900-51740	Sewer Stormwater-Empl Assist. Program	45 : 38900	PERSONNEL	Administration	\$ 20	\$ 21	\$ 22	\$ 23	\$ 24	\$ 25	\$ 26	\$ 27	\$ 28	\$ 29	\$ 30
45-38900-51750	Sewer Stormwater-Envr Svcs Ben Flex Administrati	45 : 38900	PERSONNEL	Administration	\$ 54	\$ 56	\$ 58	\$ 60	\$ 62	\$ 64	\$ 66	\$ 68	\$ 70	\$ 72	\$ 74
45-38900-51780	Sewer Stormwater-Retiree Health Savings Plan	45 : 38900	PERSONNEL	Administration	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
45-38900-51810	Sewer Stormwater-Envr Svcs-Insurance MCEP	45 : 38900	PERSONNEL	Administration	\$ 14,460	\$ 14,894	\$ 15,341	\$ 15,801	\$ 16,275	\$ 16,763	\$ 17,266	\$ 17,784	\$ 18,318	\$ 18,868	\$ 19,434
45-38900-51830	Sewer Stormwater-Envr Svcs Insurance Dental	45 : 38900	PERSONNEL	Administration	\$ 798	\$ 822	\$ 847	\$ 872	\$ 898	\$ 925	\$ 953	\$ 982	\$ 1,011	\$ 1,041	\$ 1,072
45-38900-51840	Sewer Stormwater-Envr Svcs Insurance Life/ADD/LD	45 : 38900	PERSONNEL	Administration	\$ 202	\$ 208	\$ 214	\$ 220	\$ 227	\$ 234	\$ 241	\$ 248	\$ 255	\$ 263	\$ 271
45-38900-52130	Sewer Stormwater-Envr Svcs-Supplies-Safety	45 : 38900	OPERATING	Administration	\$ 1,156	\$ 1,191	\$ 1,227	\$ 1,264	\$ 1,302	\$ 1,341	\$ 1,381	\$ 1,422	\$ 1,465	\$ 1,509	\$ 1,554
45-38900-52150	Sewer Stormwater-Envr Svcs-Supplies-Chemicals	45 : 38900	OPERATING	Administration	\$ 6,410	\$ 6,602	\$ 6,800	\$ 7,004	\$ 7,214	\$ 7,430	\$ 7,653	\$ 7,883	\$ 8,119	\$ 8,363	\$ 8,614
45-38900-52190	Sewer Stormwater-Envr Svcs-Supplies-Other	45 : 38900	OPERATING	Administration	\$ 1,529	\$ 1,575	\$ 1,622	\$ 1,671	\$ 1,721	\$ 1,773	\$ 1,826	\$ 1,881	\$ 1,937	\$ 1,995	\$ 2,055
45-38900-52590	Sewer Stormwater-Envr Svcs-Equipment-Other	45 : 38900	OPERATING	Administration	\$ 3,961	\$ 4,080	\$ 4,202	\$ 4,328	\$ 4,458	\$ 4,592	\$ 4,730	\$ 4,872	\$ 5,018	\$ 5,169	\$ 5,324
45-38900-53170	Sewer Stormwater-Envr Svcs-Professional Svcs	45 : 38900	OPERATING	Administration	\$ 90,664	\$ 93,384	\$ 96,186	\$ 99,072	\$ 102,044	\$ 105,105	\$ 108,258	\$ 111,506	\$ 114,851	\$ 118,297	\$ 121,846
45-38900-53450	Sewer Stormwater-Food and Meeting	45 : 38900	OPERATING	Administration	\$ 1,700	\$ 1,751	\$ 1,804	\$ 1,858	\$ 1,914	\$ 1,971	\$ 2,030	\$ 2,091	\$ 2,154	\$ 2,219	\$ 2,286
45-38900-53690	Sewer Stormwater-Envr Svcs Repair & Mtce Svcs	45 : 38900	OPERATING	Administration	\$ 4,674	\$ 4,814	\$ 4,958	\$ 5,107	\$ 5,260	\$ 5,418	\$ 5,581	\$ 5,748	\$ 5,920	\$ 6,098	\$ 6,281
45-38900-53790	Sewer Stormwater-Envr Svcs Rentals & Leases-Other	45 : 38900	OPERATING	Administration	\$ 700	\$ 721	\$ 743	\$ 765	\$ 788	\$ 812	\$ 836	\$ 861	\$ 887	\$ 914	\$ 941
	Total Personnel				\$ 75,941	\$ 78,220	\$ 80,568	\$ 82,986	\$ 85,475	\$ 88,040	\$ 90,681	\$ 93,402	\$ 96,204	\$ 99,090	\$ 102,062
	Total Operating				\$ 110,794	\$ 114,118	\$ 117,542	\$ 121,069	\$ 124,701	\$ 128,442	\$ 132,295	\$ 136,264	\$ 140,351	\$ 144,564	\$ 148,901
	Total Debt Service				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Total Capital Outlay				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Total Transfers				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Total 45 : Wastewater 38900 : Sewer Stormwater - Envr Svcs				\$ 186,735	\$ 192,338	\$ 198,110	\$ 204,055	\$ 210,176	\$ 216,482	\$ 222,976	\$ 229,666	\$ 236,555	\$ 243,654	\$ 250,963

CITY AND COUNTY OF BROOMFIELD, CO
 WATER, RECLAIMED & SEWER SYSTEM
 REVENUES AND EXPENSES - WASTEWATER

Acct	Description	Utility	Type	Department	Adjusted Budget	Projected										
					2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	
45 : WASTEWATER 50600 : UTILITY BILLING																
45-50600-51110	Utility Billing-Salaries Full Time	45 : 50600	PERSONNEL	Administration	\$ 55,080	\$ 56,732	\$ 58,434	\$ 60,187	\$ 61,993	\$ 63,853	\$ 65,769	\$ 67,742	\$ 69,774	\$ 71,867	\$ 74,023	
45-50600-51210	Utility Billing-Salaries Part Time	45 : 50600	PERSONNEL	Administration	\$ 14,732	\$ 15,174	\$ 15,629	\$ 16,098	\$ 16,581	\$ 17,078	\$ 17,590	\$ 18,118	\$ 18,662	\$ 19,222	\$ 19,799	
45-50600-51610	Utility Billing-Social Security	45 : 50600	PERSONNEL	Administration	\$ 4,328	\$ 4,458	\$ 4,592	\$ 4,730	\$ 4,872	\$ 5,018	\$ 5,169	\$ 5,324	\$ 5,484	\$ 5,649	\$ 5,818	
45-50600-51620	Utility Billing-Medicare	45 : 50600	PERSONNEL	Administration	\$ 1,012	\$ 1,042	\$ 1,073	\$ 1,105	\$ 1,138	\$ 1,172	\$ 1,207	\$ 1,243	\$ 1,280	\$ 1,318	\$ 1,358	
45-50600-51710	Utility Billing-Ben Empl Money Purchase Pn	45 : 50600	PERSONNEL	Administration	\$ 3,305	\$ 3,404	\$ 3,506	\$ 3,611	\$ 3,719	\$ 3,831	\$ 3,946	\$ 4,064	\$ 4,186	\$ 4,312	\$ 4,441	
45-50600-51740	Utility Billing-Empl Assist. Program	45 : 50600	PERSONNEL	Administration	\$ 30	\$ 31	\$ 32	\$ 33	\$ 34	\$ 35	\$ 36	\$ 37	\$ 38	\$ 39	\$ 40	
45-50600-51750	Utility Billing-Ben Flex Administration	45 : 50600	PERSONNEL	Administration	\$ 41	\$ 42	\$ 43	\$ 44	\$ 45	\$ 46	\$ 47	\$ 48	\$ 49	\$ 50	\$ 52	
45-50600-51760	Utility Billing-City Contribution to Deferred Comp	45 : 50600	PERSONNEL	Administration	\$ 884	\$ 911	\$ 938	\$ 966	\$ 995	\$ 1,025	\$ 1,056	\$ 1,088	\$ 1,121	\$ 1,155	\$ 1,190	
45-50600-51780	Utility Billing-Retiree Health Savings Plan	45 : 50600	PERSONNEL	Administration	\$ 163	\$ 168	\$ 173	\$ 178	\$ 183	\$ 188	\$ 194	\$ 200	\$ 206	\$ 212	\$ 218	
45-50600-51810	Utility Billing-Insurance MCEP	45 : 50600	PERSONNEL	Administration	\$ 14,460	\$ 14,894	\$ 15,341	\$ 15,801	\$ 16,275	\$ 16,763	\$ 17,266	\$ 17,784	\$ 18,318	\$ 18,868	\$ 19,434	
45-50600-51830	Utility Billing-Insurance Dental	45 : 50600	PERSONNEL	Administration	\$ 743	\$ 765	\$ 788	\$ 812	\$ 836	\$ 861	\$ 887	\$ 914	\$ 941	\$ 969	\$ 998	
45-50600-51840	Utility Billing-Insurance Life/ADD/LD	45 : 50600	PERSONNEL	Administration	\$ 308	\$ 317	\$ 327	\$ 337	\$ 347	\$ 357	\$ 368	\$ 379	\$ 390	\$ 402	\$ 414	
45-50600-52110	Utility Billing-Supplies-Office	45 : 50600	OPERATING	Administration	\$ 153	\$ 158	\$ 163	\$ 168	\$ 173	\$ 178	\$ 183	\$ 188	\$ 194	\$ 200	\$ 206	
45-50600-52120	Utility Billing-Supplies-Electronics	45 : 50600	OPERATING	Administration	\$ 66	\$ 68	\$ 70	\$ 72	\$ 74	\$ 76	\$ 78	\$ 80	\$ 82	\$ 84	\$ 87	
45-50600-52130	Utility Billing-Supplies-Safety	45 : 50600	OPERATING	Administration	\$ 151	\$ 156	\$ 161	\$ 166	\$ 171	\$ 176	\$ 181	\$ 186	\$ 192	\$ 198	\$ 204	
45-50600-52520	Utility Billing-Equipment-Electronics	45 : 50600	OPERATING	Administration	\$ 59	\$ 61	\$ 63	\$ 65	\$ 67	\$ 69	\$ 71	\$ 73	\$ 75	\$ 77	\$ 79	
45-50600-52590	Utility Billing-Equipment-Other	45 : 50600	OPERATING	Administration	\$ 57	\$ 59	\$ 61	\$ 63	\$ 65	\$ 67	\$ 69	\$ 71	\$ 73	\$ 75	\$ 77	
45-50600-53120	Utility Billing-Professional Svcs-Electronics	45 : 50600	OPERATING	Administration	\$ 230	\$ 237	\$ 244	\$ 251	\$ 259	\$ 267	\$ 275	\$ 283	\$ 291	\$ 300	\$ 309	
45-50600-53142	Utility Billing-Audit Fees	45 : 50600	OPERATING	Administration	\$ 9,384	\$ 9,666	\$ 9,956	\$ 10,255	\$ 10,563	\$ 10,880	\$ 11,206	\$ 11,542	\$ 11,888	\$ 12,245	\$ 12,612	
45-50600-53170	Utility Billing-Professional Svcs-Misc	45 : 50600	OPERATING	Administration	\$ 64,092	\$ 66,015	\$ 67,995	\$ 70,035	\$ 72,136	\$ 74,300	\$ 76,529	\$ 78,825	\$ 81,190	\$ 83,626	\$ 86,135	
45-50600-53410	Utility Billing-Printing & Forms	45 : 50600	OPERATING	Administration	\$ 4,135	\$ 4,259	\$ 4,387	\$ 4,519	\$ 4,655	\$ 4,795	\$ 4,939	\$ 5,087	\$ 5,240	\$ 5,397	\$ 5,559	
45-50600-53420	Utility Billing-Postage/Shipping/Freight	45 : 50600	OPERATING	Administration	\$ 21,701	\$ 22,352	\$ 23,023	\$ 23,714	\$ 24,425	\$ 25,158	\$ 25,913	\$ 26,690	\$ 27,491	\$ 28,316	\$ 29,165	
45-50600-53470	Utility Billing-Employee Recognition	45 : 50600	OPERATING	Administration	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
45-50600-53550	Utility Billing-Util-Cell Phone/Pager Serv	45 : 50600	OPERATING	Administration	\$ 318	\$ 328	\$ 338	\$ 348	\$ 358	\$ 369	\$ 380	\$ 391	\$ 403	\$ 415	\$ 427	
	Total Personnel				\$ 95,086	\$ 97,938	\$ 100,876	\$ 103,902	\$ 107,018	\$ 110,227	\$ 113,535	\$ 116,941	\$ 120,449	\$ 124,063	\$ 127,785	
	Total Operating				\$ 100,346	\$ 103,359	\$ 106,461	\$ 109,656	\$ 112,946	\$ 116,335	\$ 119,824	\$ 123,416	\$ 127,119	\$ 130,933	\$ 134,860	
	Total Debt Service				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	Total Capital Outlay				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	Total Transfers				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	Total 45 : Wastewater 50600 : Utility Billing				\$ 195,432	\$ 201,297	\$ 207,337	\$ 213,558	\$ 219,964	\$ 226,562	\$ 233,359	\$ 240,357	\$ 247,568	\$ 254,996	\$ 262,645	
45 : MISC WASTEWATER EXPENDITURES																
45-16500-53155	Insurance-Retiree Prem Reimb	MISC WW	OPERATING	Administration	\$ 7,412	\$ 7,634	\$ 7,863	\$ 8,099	\$ 8,342	\$ 8,592	\$ 8,850	\$ 9,116	\$ 9,389	\$ 9,671	\$ 9,961	
45-16500-53350	Insurance-Unemployment	MISC WW	OPERATING	Administration	\$ 500	\$ 515	\$ 530	\$ 546	\$ 562	\$ 579	\$ 596	\$ 614	\$ 632	\$ 651	\$ 671	
45-16500-53370	Insurance-Worker's Comp	MISC WW	OPERATING	Administration	\$ 29,850	\$ 30,746	\$ 31,668	\$ 32,618	\$ 33,597	\$ 34,605	\$ 35,643	\$ 36,712	\$ 37,813	\$ 38,947	\$ 40,115	
45-16500-53380	Insurance-Worker's Comp Deduct	MISC WW	OPERATING	Administration	\$ 10,183	\$ 10,488	\$ 10,803	\$ 11,127	\$ 11,461	\$ 11,805	\$ 12,159	\$ 12,524	\$ 12,900	\$ 13,287	\$ 13,686	
45-50300-53310	Risk Mgmt-Ins-Gen Liability	MISC WW	OPERATING	Administration	\$ 95,714	\$ 98,585	\$ 101,543	\$ 104,589	\$ 107,727	\$ 110,959	\$ 114,288	\$ 117,717	\$ 121,249	\$ 124,886	\$ 128,633	
45-50300-53320	Risk Mgmt-Ins-Uncovered Losses	MISC WW	OPERATING	Administration	\$ 8,084	\$ 8,327	\$ 8,577	\$ 8,834	\$ 9,099	\$ 9,372	\$ 9,653	\$ 9,943	\$ 10,241	\$ 10,548	\$ 10,864	
45-90100-59050	Contrib Defined Benefit	MISC WW	OPERATING	Administration	\$ 134,589	\$ 138,627	\$ 142,786	\$ 147,070	\$ 151,482	\$ 156,026	\$ 160,707	\$ 165,528	\$ 170,494	\$ 175,609	\$ 180,877	
45-91100-59045	Compensation - Pool Merit	MISC WW	OPERATING	Administration	\$ 96,793	\$ 99,697	\$ 102,688	\$ 105,769	\$ 108,942	\$ 112,210	\$ 115,576	\$ 119,043	\$ 122,614	\$ 126,292	\$ 130,081	
45-92300-57501	Transfers for Svcs Rendered-Serv Rnder-To City Gen	MISC WW	TRANSFER OUT	Transfers	\$ 1,012,030	\$ 1,047,451	\$ 1,084,112	\$ 1,122,056	\$ 1,161,328	\$ 1,201,974	\$ 1,244,043	\$ 1,287,585	\$ 1,332,650	\$ 1,379,293	\$ 1,427,568	
45-92300-57503	Transfers for Svcs Rendered-Serv Rnder -To Facilit	MISC WW	TRANSFER OUT	Transfers	\$ 213,269	\$ 220,733	\$ 228,459	\$ 236,455	\$ 244,731	\$ 253,297	\$ 262,162	\$ 271,338	\$ 280,835	\$ 290,664	\$ 300,837	
	Total Personnel				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	Total Operating				\$ 383,125	\$ 394,619	\$ 406,458	\$ 418,652	\$ 431,212	\$ 444,148	\$ 457,472	\$ 471,197	\$ 485,332	\$ 499,891	\$ 514,888	
	Total Debt Service				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	Total Capital Outlay				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	Total Transfers				\$ 1,225,299	\$ 1,268,184	\$ 1,312,571	\$ 1,358,511	\$ 1,406,059	\$ 1,455,271	\$ 1,506,205	\$ 1,558,923	\$ 1,613,485	\$ 1,669,957	\$ 1,728,405	
	Total 45 : Misc Wastewater Expenditures				\$ 1,608,424	\$ 1,662,803	\$ 1,719,029	\$ 1,777,163	\$ 1,837,271	\$ 1,899,419	\$ 1,963,677	\$ 2,030,120	\$ 2,098,817	\$ 2,169,848	\$ 2,243,293	
WASTEWATER DEBT SERVICE																
	Wastewater Debt Service															
	2012 Sewer Revenue Bond Refunding	SEWER	EXISTING	DEBT	\$ 2,430,013	\$ 2,437,263	\$ 2,445,013	\$ 2,453,013	\$ 2,456,013	\$ 2,469,813	\$ 2,476,363	\$ 2,485,813	\$ 2,500,188	\$ 2,508,975	\$ -	
	New Debt	SEWER	NEW	DEBT	\$ -	\$ -	\$ -	\$ 2,432,000	\$ 2,432,000	\$ 2,432,000	\$ 2,432,000	\$ 2,432,000	\$ 2,432,000	\$ 2,432,000	\$ 2,432,000	
	Total Wastewater Debt Service				\$ 2,430,013	\$ 2,437,263	\$ 2,445,013	\$ 4,885,013	\$ 4,888,013	\$ 4,901,813	\$ 4,908,363	\$ 4,917,813	\$ 4,932,188	\$ 4,940,975	\$ 2,432,000	

CITY AND COUNTY OF BROOMFIELD, CO
 WATER, RECLAIMED & SEWER SYSTEM
 CAPITAL IMPROVEMENT PLAN

Line	Description	Projected for Year Ending December 31											10 Year Total	
		2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032		
WASTEWATER SYSTEM														
1	City Park Channel - Overflow Connection to Nissen Channel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2	Nissen Channel - Drainage Improvements Country Vista to Big Dry Creek (Brc	\$ 580,000	\$ 664,900	\$ 760,384	\$ 867,669	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,872,953
3	Quail Creek Channel Improvements at Broadlands	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4	Wilcox Subdivision - McKay Lake Lateral Drainage Improvements	\$ -	\$ -	\$ 594,050	\$ 2,590,058	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,184,108
5	Broadlands Lane and Lowell - Drainage Channel Improvements	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
6	City Park Channel - Midway Park Modifications	\$ 771,530	\$ 272,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,044,030
7	Community Ditch - 16th Ave. Culvert Replacement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
8	Community Ditch - Aspen Street at 15th Ave Culvert Lining/Replacement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
9	Community Ditch - Lowell Blvd Culvert	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10	Community Ditch - St. Andrews Pipe Replacement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
11	Frank Varra Park - Multi-Use Trail Repairs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
12	Highland Park Channel - Improvements	\$ 25,000	\$ 272,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 297,500
13	Main Street and Miramonte Blvd - Drainage Improvement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
14	McKay Park Drainage Repair	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
15	Plaster Reservoir Dredging and Habitat Improvements	\$ 1,400,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,400,000
16	Rock Creek Basin B Outfall - Erosion Control	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 75,000
17	Stormwater Rehabilitation - Citywide	\$ 150,000	\$ 163,500	\$ 178,215	\$ 194,254	\$ 168,826	\$ 173,891	\$ 179,108	\$ 184,481	\$ 190,016	\$ 195,716	\$ 201,587	\$ 1,979,595	
18	Wastewater Treatment Facility - Capacity Re-Rating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
19	Wastewater Treatment Facility - Centrate Storage and Equalization	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
20	Wastewater Treatment Facility - Energy Sustainability Plan	\$ 175,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 175,000
21	Wastewater Treatment Facility - Flow Equalization Basin Improvements	\$ 1,667,400	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,667,400
22	Wastewater Treatment Facility - Improvements - New Clean Water SDS- Tern	\$ -	\$ -	\$ -	\$ 2,512,356	\$ 8,717,066	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 11,229,422
23	Wastewater Treatment Facility - Improvements - New Clean Water SDS- Nut	\$ -	\$ -	\$ -	\$ -	\$ 52,746,970	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52,746,970
24	Wastewater Treatment Facility - Master Plan Update	\$ 450,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 450,000
25	Wastewater Treatment Facility - Odor Control Monitoring and Improvements	\$ 4,250,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,250,000
26	Wastewater Treatment Facility - Solids Handling Capacity Expansion	\$ -	\$ -	\$ 2,900,000	\$ 35,400,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 38,300,000
27	Wastewater Treatment Facility - Process Covers and Equipment Replacement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
28	Biosolids Farm - Maintenance and Equipment Repair	\$ 76,160	\$ 83,014	\$ 90,486	\$ 98,629	\$ 85,719	\$ 88,290	\$ 90,939	\$ 93,667	\$ 96,477	\$ 99,372	\$ 102,353	\$ 1,005,106	
29	UV Disinfection System Replacement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
30	Wastewater Digester #2 Piping Repair and Improvements	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
31	Wastewater Treatment Facility - Aeration Blower and Air Distribution Enhanc	\$ 600,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 600,000
32	Wastewater Treatment Facility - Bldg Repairs	\$ 56,000	\$ 54,500	\$ 59,405	\$ 64,751	\$ 56,275	\$ 57,964	\$ 59,703	\$ 61,494	\$ 63,339	\$ 65,239	\$ 67,196	\$ 665,865	
33	Wastewater Treatment Facility - Centrifuge Backdrive Controls Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
34	Wastewater Treatment Facility - Improvements - Influent and Disinfection Val	\$ 509,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 509,000
35	Wastewater Treatment Facility - Improvements - New Clean Water SDS- Tern	\$ -	\$ -	\$ -	\$ 1,346,830	\$ 4,698,999	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,045,829
36	Wastewater Treatment Facility - Improvements - New Clean Water SDS- Nut	\$ -	\$ -	\$ -	\$ -	\$ 6,775,563	\$ 28,402,215	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 35,177,778
37	Wastewater Treatment Facility - Roof Replacement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
38	Wastewater Treatment Facility - Solids Dewatering	\$ -	\$ 2,725,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,725,000
39	Wastewater Treatment Facility - Wireless Technology	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
40	257 Property Lift Station and Forced Main - East of I-25	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
41	Baseline (North Park) - Storm and Sanitary Sewer	\$ 32,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 32,000
42	County Road 8 (NE Broomfield) Lift Station and Force Mains	\$ -	\$ -	\$ -	\$ 7,122,660	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,122,660
43	Interlock Interceptor Capacity Study	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
44	Lift Station Modifications - Northlands and Willow Run	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
45	Midcities Sanitary Sewer	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
46	North Area - Construct Lift Station and Sewer Lines (Subbasin 2A and 2B) Ad	\$ -	\$ -	\$ 2,970,250	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,970,250
47	North Area Force Main (Subbasin 2 to WWTP)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
48	Northlands Lift Station - Access Road Design	\$ -	\$ 89,925	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 89,925
49	Service Center - Phase I New Building / Remodel of Existing Building - 20% of	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
50	Service Center - Technology for New Building - 20% of Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
51	Super Oxygenation System for Rock Creek Lift Station and Force Main Odor C	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
52	Westbrooke/Ridge View Lift Station	\$ -	\$ -	\$ -	\$ 3,862,876	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,862,876
53	Baseline (North Park)/Prospect Ridge Academy - Lift Station Removal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
54	Service Center - HVAC Replacements - 20% of Total Cost	\$ 66,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 66,000
55	Norman Smith Service Center Lighting Upgrades - 20% of Cost	\$ 7,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,000
56	Sewer Lift Station Assessment/Study (CDPHE)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
57	Sewer Lift Station Compliance	\$ 2,500,000	\$ 2,725,000	\$ 2,970,250	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,195,250
58	Sewer Line Replacement and Rehab - Citywide	\$ -	\$ 687,790	\$ -	\$ 817,163	\$ -	\$ 731,502	\$ -	\$ 776,050	\$ -	\$ 823,312	\$ -	\$ -	\$ 3,835,818
59	Sewer Manhole Lining	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000
60	Sewer Manhole Resets - Pavement Preservation Program	\$ 20,000	\$ 21,800	\$ 23,762	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 65,562
61	Utilities - Street Reconstruction	\$ 10,000	\$ 10,900	\$ 11,881	\$ 12,950	\$ 11,255	\$ 11,593	\$ 11,941	\$ 12,299	\$ 12,668	\$ 13,048	\$ 13,439	\$ 131,973	
62	W 123rd Place and Ulica St - Sewer Mainline Rehabilitation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
63	West 144th Ave. Sanitary Sewer - Lowell Blvd to Clay St	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
64	Willow Run Wet Well Rehab	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
65	Developer Reimbursement - Arithem Infrastructure License Fee Credits	\$ 491,655	\$ 100,258	\$ 500,873	\$ 117,699	\$ 433,816	\$ 29,196	\$ 436,701	\$ 30,974	\$ 459,134	\$ 28,575	\$ 470,908	\$ 3,099,790	
66	Developer Reimbursement - South Sewer Outfall (Ardita area) Old Wadsworth	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
67	Public Works - Computerized Asset Maintenance Management System (20%	\$ 255,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 255,000
68	Non - Mobile Equipment Replacement	\$ 407,830	\$ 81,750	\$ 89,108	\$ 97,127	\$ 84,413	\$ 86,946	\$ 89,554	\$ 92,241	\$ 95,008	\$ 97,858	\$ 100,794	\$ 1,322,627	
69	SCADA Programmable Logic Control	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
70	Utilities Network Infrastructure	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500,000
71	Vehicle and Mobile Equipment Replacement	\$ 249,168	\$ -	\$ 118,810	\$ -	\$ 112,551	\$ -	\$ 119,405	\$ -	\$ 126,677	\$ -	\$ 134,392	\$ -	\$ 861,002
72	Service Center - Phase II New Building / Remodel of Existing Building - 20% of	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,013,416	\$ -	\$ -	\$ -	\$ 1,013,416
73	Sunnyslope Subdivision - Drainage Improvements	\$ -	\$ -	\$ -	\$ -	\$ 56,275	\$ 579,637	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 635,912
74	Wastewater Treatment Facility - Digester Methane Gas Control	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
75	Wastewater Treatment Facility - Improvements and Expansion Phase III	\$ -	\$ -	\$ -	\$ 5,000,000	\$ 5,000,000	\$ -	\$ 30,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 40,000,000
76	Total Wastewater System Improvements	\$ 15,523,743	\$ 7,953,338	\$ 11,267,473	\$ 60,105,024	\$ 26,200,759	\$ 82,908,204	\$ 30,987,350	\$ 1,251,206	\$ 2,056,734	\$ 1,323,118	\$ 1,090,669	\$ 240,667,618	

CITY AND COUNTY OF BROOMFIELD, CO
 WATER, RECLAIMED & SEWER SYSTEM
 CALCULATION OF NEW DEBT

Fiscal Year	Term (Yrs)	Rate	Issuance Costs	Capital Project Proceeds Required	Issuance Costs	Total Debt Required	Years to Issue Debt	Debt Bundle	X Year Delay in Debt Service	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
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Assumed future debt service is related to the wastewater treatment facility improvement project

Wastewater System Improvements - Revenue Bond										New Debt Required	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	
											\$ -	\$ -	\$ -	\$ 1,346,830	\$ 11,474,562	\$ 28,402,215	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
										Issued Every ___ Years	3	---	---	---	2025	---	---	2028	---	---	2031	---

2022	30	4.0%	2.0%	\$ -	\$ -	\$ -	---	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2023	30	4.0%	2.0%	\$ -	\$ -	\$ -	---	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2024	30	4.0%	2.0%	\$ -	\$ -	\$ -	---	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2025	30	4.0%	2.0%	\$ 1,346,830	\$ 26,937	\$ 1,373,767	2025	\$ 42,048,079		\$ -	\$ -	\$ -	\$ 2,432,000	\$ 2,432,000	\$ 2,432,000	\$ 2,432,000	\$ 2,432,000	\$ 2,432,000	\$ 2,432,000	\$ 2,432,000	\$ 2,432,000
2026	30	4.0%	2.0%	\$ 11,474,562	\$ 229,491	\$ 11,704,054	---	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2027	30	4.0%	2.0%	\$ 28,402,215	\$ 568,044	\$ 28,970,259	---	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2028	30	4.0%	2.0%	\$ -	\$ -	\$ -	2028	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2029	30	4.0%	2.0%	\$ -	\$ -	\$ -	---	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2030	30	4.0%	2.0%	\$ -	\$ -	\$ -	---	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2031	30	4.0%	2.0%	\$ -	\$ -	\$ -	2031	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2032	30	4.0%	2.0%	\$ -	\$ -	\$ -	---	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Cumulative Annual Debt Service Wastewater System Improvements - Revenue Bond											\$ -	\$ -	\$ -	\$ 2,432,000	\$ 2,432,000	\$ 2,432,000	\$ 2,432,000	\$ 2,432,000	\$ 2,432,000	\$ 2,432,000	\$ 2,432,000

APPENDIX C

Reclaimed Water

Financial Plan

CITY AND COUNTY OF BROOMFIELD, CO
 WATER, RECLAIMED & SEWER SYSTEM
 PROJECTED OPERATING RESULTS - RECLAIMED WATER

Line	Description	Existing 2022	Proposed 2023	Year Ending December 31,								
				2024	2025	2026	2027	2028	2029	2030	2031	2032
REVENUES												
<u>Operating Revenues</u>												
1	Reclaimed Water Service Charges	\$ 1,557,791	\$ 1,596,269	\$ 1,635,697	\$ 1,676,098	\$ 1,717,498	\$ 1,759,920	\$ 1,803,390	\$ 1,847,934	\$ 1,893,578	\$ 1,940,349	\$ 1,988,275
2	Base Charge - Percentage Rate Adjustment		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
3	Volumetric Charge - Percentage Rate Adjustment		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
<u>Other Operating Revenues</u>												
7	Miscellaneous Revenues	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000
<u>Other Non-Operating Revenues</u>												
8	Interest	114,555	114,555	45,535	37,536	10,926	17,218	11,495	12,189	12,950	14,278	15,675
9	Total Revenues	\$ 1,752,346	\$ 1,790,824	\$ 1,761,232	\$ 1,793,634	\$ 1,808,424	\$ 1,857,138	\$ 1,894,885	\$ 1,940,123	\$ 1,986,528	\$ 2,034,627	\$ 2,083,950
<u>Current Expenses</u>												
10	47 - Water Reclamation 39000 : Water Reclamation Resources And Plann	472,966	487,157	501,773	516,825	532,330	548,298	564,748	581,689	599,138	617,113	635,628
11	47 - Water Reclamation 39100 : Water Reclamation Supply	155,935	160,614	165,430	170,392	175,504	180,768	186,193	191,780	197,534	203,459	209,563
12	47 - Water Reclamation 39200 : Water Reclamation Treatment	192,662	198,442	204,396	210,528	216,845	223,352	230,053	236,956	244,065	251,387	258,928
13	47 - Water Reclamation 39300 : Water Reclamation Ops/Mtce	54,083	55,707	57,379	59,100	60,873	62,699	64,578	66,516	68,511	70,567	72,684
14	47 - Water Reclamation 39400 : Water Reclamation Lab Ops	36,605	37,703	38,835	39,999	41,200	42,436	43,709	45,021	46,371	47,763	49,195
15	47 - Misc Reclaim Expenditures	6,287	6,476	6,670	6,870	7,076	7,288	7,507	7,732	7,964	8,203	8,449
16	Total Current Expenses	\$ 918,538	\$ 946,099	\$ 974,483	\$ 1,003,714	\$ 1,033,828	\$ 1,064,841	\$ 1,096,788	\$ 1,129,694	\$ 1,163,583	\$ 1,198,492	\$ 1,234,447
17	Income Available for Debt Service	\$ 833,808	\$ 844,725	\$ 786,749	\$ 789,920	\$ 774,596	\$ 792,297	\$ 798,097	\$ 810,429	\$ 822,945	\$ 836,135	\$ 849,503
DEBT SERVICE												
<u>New Debt</u>												
18	Reclaimed Water System Improvements - Revenue Bond	-	-	-	-	-	946,000	946,000	946,000	946,000	946,000	946,000
19	Total New Debt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 946,000					
20	Total Indebtedness	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 946,000					
21	Net Results of Operations	\$ 833,808	\$ 844,725	\$ 786,749	\$ 789,920	\$ 774,596	\$ (153,703)	\$ (147,903)	\$ (135,571)	\$ (123,055)	\$ (109,865)	\$ (96,497)
DEBT SERVICE COVERAGE												
<u>Income Available for Debt Service</u>												
22	From Operations	\$ 833,808	\$ 844,725	\$ 786,749	\$ 789,920	\$ 774,596	\$ 792,297	\$ 798,097	\$ 810,429	\$ 822,945	\$ 836,135	\$ 849,503
23	Plus: 100.00% of License Fee Revenue Included Towards DSC	\$ 9,148,744	\$ 915,854	\$ 930,017	\$ 945,827	\$ 961,906	\$ 978,259	\$ 994,889	\$ 1,011,802	\$ 1,029,003	\$ 1,046,496	\$ 1,064,286
24	Total Income Available for Debt Service	\$ 9,982,552	\$ 1,760,579	\$ 1,716,766	\$ 1,735,748	\$ 1,736,502	\$ 1,770,555	\$ 1,792,986	\$ 1,822,231	\$ 1,851,947	\$ 1,882,630	\$ 1,913,789
<u>Debt Service Coverage - Parity Indebtedness</u>												
<u>Excluding License Fee Revenues</u>												
25	Calculated	N/A	N/A	N/A	N/A	N/A	0.84	0.84	0.86	0.87	0.88	0.90
26	Targeted	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
27	Required	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
<u>Including License Fee Revenues</u>												
28	Calculated	N/A	N/A	N/A	N/A	N/A	1.87	1.90	1.93	1.96	1.99	2.02
29	Targeted	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
30	Required	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
<u>Debt Service Coverage - Total Indebtedness</u>												
<u>Excluding License Fee Revenues</u>												
31	Calculated	N/A	N/A	N/A	N/A	N/A	0.84	0.84	0.86	0.87	0.88	0.90
32	Targeted	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
33	Required	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
<u>Including License Fee Revenues</u>												
34	Calculated	N/A	N/A	N/A	N/A	N/A	1.87	1.90	1.93	1.96	1.99	2.02
35	Targeted	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
36	Required	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
37	Capital Outlay	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
38	Transfers In	-	-	-	-	-	-	-	-	-	-	-
39	Transfers Out	(86,146)	(89,161)	(92,282)	(95,512)	(98,855)	(102,315)	(105,896)	(109,602)	(113,438)	(117,408)	(121,517)
40	Net Results	\$ 747,662	\$ 755,564	\$ 694,467	\$ 694,408	\$ 675,741	\$ (256,018)	\$ (253,799)	\$ (245,173)	\$ (236,493)	\$ (227,273)	\$ (218,014)

CITY AND COUNTY OF BROOMFIELD, CO
WATER, RECLAIMED & SEWER SYSTEM
PROJECTED OPERATING RESULTS - RECLAIMED WATER

Line	Description	Existing 2022	Proposed 2023	Year Ending December 31,								
				2024	2025	2026	2027	2028	2029	2030	2031	2032
RESERVE FUND BALANCE ACTIVITY												
Reclaimed Water Fund Balance												
1	Beginning Fund Balance	\$ 9,148,744	\$ 8,755,070	\$ 9,012,504	\$ 7,482,819	\$ 1,214,902	\$ 1,511,347	\$ 1,810,653	\$ 2,100,459	\$ 2,386,818	\$ 2,669,423	\$ 2,948,441
2	Total Revenues	1,752,346	1,790,824	1,761,232	1,793,634	1,808,424	1,857,138	1,894,885	1,940,123	1,986,528	2,034,627	2,083,950
Less												
3	O&M	918,538	946,099	974,483	1,003,714	1,033,828	1,064,841	1,096,788	1,129,694	1,163,583	1,198,492	1,234,447
4	Debt Service	-	-	-	-	-	-	-	-	-	-	-
5	Other Expenditures/Transfers	86,146	89,161	92,282	95,512	98,855	102,315	105,896	109,602	113,438	117,408	121,517
6	Capital Projects From Capital Improvement Plan	1,141,336	498,130	2,224,152	6,962,325	379,296	390,675	402,396	414,467	426,902	439,709	452,900
7	Total Expenditures	\$ 2,146,020	\$ 1,533,390	\$ 3,290,917	\$ 8,061,551	\$ 1,511,979	\$ 1,557,831	\$ 1,605,080	\$ 1,653,763	\$ 1,703,923	\$ 1,755,609	\$ 1,808,864
8	Net Cash Flow	\$ (393,674)	\$ 257,434	\$ (1,529,685)	\$ (6,267,917)	\$ 296,444	\$ 299,306	\$ 289,806	\$ 286,359	\$ 282,605	\$ 279,018	\$ 275,086
9	Ending Fund Balance	\$ 8,755,070	\$ 9,012,504	\$ 7,482,819	\$ 1,214,902	\$ 1,511,347	\$ 1,810,653	\$ 2,100,459	\$ 2,386,818	\$ 2,669,423	\$ 2,948,441	\$ 3,223,527
10	Targeted Fund Balance	\$ 452,978	\$ 466,569	\$ 480,567	\$ 494,982	\$ 509,833	\$ 525,127	\$ 540,882	\$ 557,109	\$ 573,822	\$ 591,037	\$ 608,768
11	Difference Between Target and Actual Fund Balance	\$ 8,302,092	\$ 8,545,935	\$ 7,002,252	\$ 719,920	\$ 1,001,514	\$ 1,285,526	\$ 1,559,577	\$ 1,829,708	\$ 2,095,601	\$ 2,357,404	\$ 2,614,759
12	Days Cash on Hand	3,479	3,477	2,803	442	534	621	699	771	837	898	953
13	Targeted Days Cash on Hand	180	180	180	180	180	180	180	180	180	180	180
Reclaimed Water License Fee Balance												
15	Beginning Fund Balance	\$ (7,370,322)	\$ 178,590	\$ 94,444	\$ 24,461	\$ 970,288	\$ 1,932,195	\$ 488,397	\$ 337,286	\$ 203,088	\$ 186,091	\$ 186,586
16	License Fee Revenues	785,820	915,854	930,017	945,827	961,906	978,259	994,889	1,011,802	1,029,003	1,046,496	1,064,286
17	Debt Service	-	-	-	-	-	(946,000)	(946,000)	(946,000)	(946,000)	(946,000)	(946,000)
18	Loan From/(Repayment To Water Licesne Fee Fund)	12,500,000	9,000,000	600,000	-	-	16,000,000	(200,000)	(200,000)	(100,000)	(100,000)	(100,000)
19	Growth Related Capital Projects From Capital Improvement Plan	(5,736,908)	(10,000,000)	(1,600,000)	-	-	(17,476,057)	-	-	-	-	-
20	Ending Fund Balance	\$ 178,590	\$ 94,444	\$ 24,461	\$ 970,288	\$ 1,932,195	\$ 488,397	\$ 337,286	\$ 203,088	\$ 186,091	\$ 186,586	\$ 204,873
21	Total Combined Operating and Capital Fund Balance	\$ 8,933,660	\$ 9,106,948	\$ 7,507,280	\$ 2,185,190	\$ 3,443,541	\$ 2,299,050	\$ 2,437,744	\$ 2,589,906	\$ 2,855,513	\$ 3,135,027	\$ 3,428,400

CITY AND COUNTY OF BROOMFIELD, CO
 WATER, RECLAIMED & SEWER SYSTEM
 REVENUES AND EXPENSES - RECLAIMED WATER

Acct	Description	Utility	Type	Department	Adjusted Budget	Projected										
					2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	
	REVENUES															
47-00000-44101	Reuse Water Sales - Nonpotable	SALES	RECLAIM	W/S	\$ 1,332,791	\$ 1,365,711	\$ 1,399,444	\$ 1,434,010	\$ 1,469,430	\$ 1,505,725	\$ 1,542,916	\$ 1,581,026	\$ 1,620,077	\$ 1,660,093	\$ 1,701,097	
47-00000-44105	Reuse Water Sales - Flat Charge	SALES	RECLAIM	W/S	\$ 225,000	\$ 230,558	\$ 236,253	\$ 242,088	\$ 248,068	\$ 254,195	\$ 260,474	\$ 266,908	\$ 273,501	\$ 280,256	\$ 287,178	
47-00000-44125	License Fees	TAP	RECLAIM	W/S	\$ 785,820	\$ 915,854	\$ 930,017	\$ 945,827	\$ 961,906	\$ 978,259	\$ 994,889	\$ 1,011,802	\$ 1,029,003	\$ 1,046,496	\$ 1,064,286	
47-00000-48110	Investment Earnings	INTEREST	RECLAIM	W/S	\$ 114,555	\$ 114,555	\$ 114,555	\$ 114,555	\$ 114,555	\$ 114,555	\$ 114,555	\$ 114,555	\$ 114,555	\$ 114,555	\$ 114,555	
47-00000-48345	Transfers from Sewer	TRANSFER IN	RECLAIM	W/S	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
47-00000-48912	Water Leases	OTHER	RECLAIM	W/S	\$ 80,000	\$ 80,000	\$ 80,000	\$ 80,000	\$ 80,000	\$ 80,000	\$ 80,000	\$ 80,000	\$ 80,000	\$ 80,000	\$ 80,000	
	TOTAL REVENUES				\$ 2,538,166	\$ 2,706,678	\$ 2,760,269	\$ 2,816,480	\$ 2,873,959	\$ 2,932,734	\$ 2,992,834	\$ 3,054,291	\$ 3,117,136	\$ 3,181,400	\$ 3,247,116	

CITY AND COUNTY OF BROOMFIELD, CO
 WATER, RECLAIMED & SEWER SYSTEM
 REVENUES AND EXPENSES - RECLAIMED WATER

Acct	Description	Utility	Type	Department	Adjusted Budget	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	
					2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	
	OPERATING EXPENSES															
	47 : Water Reclamation 39000 : Water Reclamation Resou	47 : 3900		RECLAIM ADMIN	\$ 472,966	\$ 487,157	\$ 501,773	\$ 516,825	\$ 532,330	\$ 548,298	\$ 564,748	\$ 581,689	\$ 599,138	\$ 617,113	\$ 635,628	
	47 : Water Reclamation 39100 : Water Reclamation Supply	47 : 39100		RECLAIM SUPPLY	\$ 155,935	\$ 160,614	\$ 165,430	\$ 170,392	\$ 175,504	\$ 180,768	\$ 186,193	\$ 191,780	\$ 197,534	\$ 203,459	\$ 209,563	
	47 : Water Reclamation 39200 : Water Reclamation Treatr	47 : 39200		RECLAIM TREATMENT	\$ 192,662	\$ 198,442	\$ 204,396	\$ 210,528	\$ 216,845	\$ 223,352	\$ 230,053	\$ 236,956	\$ 244,065	\$ 251,387	\$ 258,928	
	47 : Water Reclamation 39300 : Water Reclamation Ops/N	47 : 39300		RECLAIM OPERATIONS	\$ 54,083	\$ 55,707	\$ 57,379	\$ 59,100	\$ 60,873	\$ 62,699	\$ 64,578	\$ 66,516	\$ 68,511	\$ 70,567	\$ 72,684	
	47 : Water Reclamation 39400 : Water Reclamation Lab O	47 : 39400		RECLAIM TREATMENT	\$ 36,605	\$ 37,703	\$ 38,835	\$ 39,999	\$ 41,200	\$ 42,436	\$ 43,709	\$ 45,021	\$ 46,371	\$ 47,763	\$ 49,195	
	47 : Misc Reclaim Expenditures	MISC RECLAIM		RECLAIM OTHER	\$ 6,287	\$ 6,476	\$ 6,670	\$ 6,870	\$ 7,076	\$ 7,288	\$ 7,507	\$ 7,732	\$ 7,964	\$ 8,203	\$ 8,449	
	TOTAL OPERATING EXPENSES				\$ 918,538	\$ 946,099	\$ 974,483	\$ 1,003,714	\$ 1,033,828	\$ 1,064,841	\$ 1,096,788	\$ 1,129,694	\$ 1,163,583	\$ 1,198,492	\$ 1,234,447	
	DEBT SERVICE															
	Existing Debt	SEWER	EXISTING	DEBT	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	New Debt	SEWER	NEW	DEBT	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	TOTAL DEBT SERVICE				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	TRANSFERS/CONTINGENCIES															
	Transfer Out	SEWER	TRANSFER OUT	TRANSFER	\$ 86,146	\$ 89,161	\$ 92,282	\$ 95,512	\$ 98,855	\$ 102,315	\$ 105,896	\$ 109,602	\$ 113,438	\$ 117,408	\$ 121,517	
	Transfer In	SEWER	TRANSFER IN	TRANSFER	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	TOTAL TRANSFERS/CONTINGENCIES				\$ 86,146	\$ 89,161	\$ 92,282	\$ 95,512	\$ 98,855	\$ 102,315	\$ 105,896	\$ 109,602	\$ 113,438	\$ 117,408	\$ 121,517	

CITY AND COUNTY OF BROOMFIELD, CO
 WATER, RECLAIMED & SEWER SYSTEM
 REVENUES AND EXPENSES - RECLAIMED WATER

Acct	Description	Utility	Type	Department	Adjusted Budget	Projected									
					2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
47 : WATER RECLAMATION 39000 : WATER RECLAMATION RESOURCES AND PLANNING															
47-39000-51110	WRR&P-Salaries Full Time	47 : 3900	PERSONNEL	Treatment	\$ 155,411	\$ 160,073	\$ 164,875	\$ 169,821	\$ 174,916	\$ 180,163	\$ 185,568	\$ 191,135	\$ 196,869	\$ 202,775	\$ 208,858
47-39000-51310	WRR&P-Salaries Temporary	47 : 3900	PERSONNEL	Treatment	\$ 7,350	\$ 7,571	\$ 7,798	\$ 8,032	\$ 8,273	\$ 8,521	\$ 8,777	\$ 9,040	\$ 9,311	\$ 9,590	\$ 9,878
47-39000-51410	WRR&P-Overtime	47 : 3900	PERSONNEL	Treatment	\$ 4,740	\$ 4,882	\$ 5,028	\$ 5,179	\$ 5,334	\$ 5,494	\$ 5,659	\$ 5,829	\$ 6,004	\$ 6,184	\$ 6,370
47-39000-51510	WRR&P-Holiday Pay	47 : 3900	PERSONNEL	Treatment	\$ 864	\$ 890	\$ 917	\$ 945	\$ 973	\$ 1,002	\$ 1,032	\$ 1,063	\$ 1,095	\$ 1,128	\$ 1,162
47-39000-51610	WRR&P-Social Security	47 : 3900	PERSONNEL	Treatment	\$ 10,438	\$ 10,751	\$ 11,074	\$ 11,406	\$ 11,748	\$ 12,100	\$ 12,463	\$ 12,837	\$ 13,222	\$ 13,619	\$ 14,028
47-39000-51620	WRR&P-Medicare	47 : 3900	PERSONNEL	Treatment	\$ 2,441	\$ 2,514	\$ 2,589	\$ 2,667	\$ 2,747	\$ 2,829	\$ 2,914	\$ 3,001	\$ 3,091	\$ 3,184	\$ 3,280
47-39000-51710	WRR&P-Ben Empl Money Purchase Pn	47 : 3900	PERSONNEL	Treatment	\$ 9,633	\$ 9,922	\$ 10,220	\$ 10,527	\$ 10,843	\$ 11,168	\$ 11,503	\$ 11,848	\$ 12,203	\$ 12,569	\$ 12,946
47-39000-51740	WRR&P-Empl Assist. Program	47 : 3900	PERSONNEL	Treatment	\$ 45	\$ 46	\$ 47	\$ 48	\$ 49	\$ 50	\$ 52	\$ 54	\$ 56	\$ 58	\$ 60
47-39000-51750	RR&P-Ben Flex Administration	47 : 3900	PERSONNEL	Treatment	\$ 54	\$ 56	\$ 58	\$ 60	\$ 62	\$ 64	\$ 66	\$ 68	\$ 70	\$ 72	\$ 74
47-39000-51780	WRR&P-Retiree Health Savings Plan	47 : 3900	PERSONNEL	Treatment	\$ 1,721	\$ 1,773	\$ 1,826	\$ 1,881	\$ 1,937	\$ 1,995	\$ 2,055	\$ 2,117	\$ 2,181	\$ 2,246	\$ 2,313
47-39000-51810	WRR&P-Insurance MCEP	47 : 3900	PERSONNEL	Treatment	\$ 32,535	\$ 33,511	\$ 34,516	\$ 35,551	\$ 36,618	\$ 37,717	\$ 38,849	\$ 40,014	\$ 41,214	\$ 42,450	\$ 43,724
47-39000-51820	WRR&P-Insurance Kaiser	47 : 3900	PERSONNEL	Treatment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
47-39000-51830	WRR&P-Insurance Dental	47 : 3900	PERSONNEL	Treatment	\$ 1,795	\$ 1,849	\$ 1,904	\$ 1,961	\$ 2,020	\$ 2,081	\$ 2,143	\$ 2,207	\$ 2,273	\$ 2,341	\$ 2,411
47-39000-51840	WRR&P-Insurance Life/ADD/LD	47 : 3900	PERSONNEL	Treatment	\$ 672	\$ 692	\$ 713	\$ 734	\$ 756	\$ 779	\$ 802	\$ 826	\$ 851	\$ 877	\$ 903
47-39000-52110	WRR&P-Supplies-Office	47 : 3900	OPERATING	Treatment	\$ 200	\$ 206	\$ 212	\$ 218	\$ 225	\$ 232	\$ 239	\$ 246	\$ 253	\$ 261	\$ 269
47-39000-52120	WRR&P-Supplies-Electronics	47 : 3900	OPERATING	Treatment	\$ 150	\$ 155	\$ 160	\$ 165	\$ 170	\$ 175	\$ 180	\$ 185	\$ 191	\$ 197	\$ 203
47-39000-52130	WRR&P-Supplies-Safety	47 : 3900	OPERATING	Treatment	\$ 2,365	\$ 2,436	\$ 2,509	\$ 2,584	\$ 2,662	\$ 2,742	\$ 2,824	\$ 2,909	\$ 2,996	\$ 3,086	\$ 3,179
47-39000-52190	WRR&P-Supplies-Other	47 : 3900	OPERATING	Treatment	\$ 215	\$ 221	\$ 228	\$ 235	\$ 242	\$ 249	\$ 256	\$ 264	\$ 272	\$ 280	\$ 288
47-39000-52510	WRR&P-Equipment-Office	47 : 3900	OPERATING	Treatment	\$ 200	\$ 206	\$ 212	\$ 218	\$ 225	\$ 232	\$ 239	\$ 246	\$ 253	\$ 261	\$ 269
47-39000-52520	WRR&P-Equipment-Electronics	47 : 3900	OPERATING	Treatment	\$ 250	\$ 258	\$ 266	\$ 274	\$ 282	\$ 290	\$ 299	\$ 308	\$ 317	\$ 327	\$ 337
47-39000-52530	RR&P-Equipment-Safety	47 : 3900	OPERATING	Treatment	\$ 127	\$ 131	\$ 135	\$ 139	\$ 143	\$ 147	\$ 151	\$ 156	\$ 161	\$ 166	\$ 171
47-39000-52590	WRR&P-Equipment-Other	47 : 3900	OPERATING	Treatment	\$ 791	\$ 815	\$ 839	\$ 864	\$ 890	\$ 917	\$ 945	\$ 973	\$ 1,002	\$ 1,032	\$ 1,063
47-39000-52790	WRR&P-Repair & Mtce-Other	47 : 3900	OPERATING	Treatment	\$ 4,131	\$ 4,255	\$ 4,383	\$ 4,514	\$ 4,649	\$ 4,788	\$ 4,932	\$ 5,080	\$ 5,232	\$ 5,389	\$ 5,551
47-39000-53170	WRR&P-Professional Svcs-Misc	47 : 3900	OPERATING	Treatment	\$ 228,857	\$ 235,723	\$ 242,795	\$ 250,079	\$ 257,581	\$ 265,308	\$ 273,267	\$ 281,465	\$ 289,909	\$ 298,606	\$ 307,564
47-39000-53210	RR&P-Trng & Trvl-Dept Spec	47 : 3900	OPERATING	Treatment	\$ 2,003	\$ 2,063	\$ 2,125	\$ 2,189	\$ 2,255	\$ 2,323	\$ 2,393	\$ 2,465	\$ 2,539	\$ 2,615	\$ 2,693
47-39000-53430	WRR&P-Dues/Subsc/Licenses	47 : 3900	OPERATING	Treatment	\$ 165	\$ 170	\$ 175	\$ 180	\$ 185	\$ 191	\$ 197	\$ 203	\$ 209	\$ 215	\$ 221
47-39000-53450	WRR&P-Food and Meeting	47 : 3900	OPERATING	Treatment	\$ 120	\$ 124	\$ 128	\$ 132	\$ 136	\$ 140	\$ 144	\$ 148	\$ 152	\$ 157	\$ 162
47-39000-53470	RR&P-Employee Recognition	47 : 3900	OPERATING	Treatment	\$ 150	\$ 155	\$ 160	\$ 165	\$ 170	\$ 175	\$ 180	\$ 185	\$ 191	\$ 197	\$ 203
47-39000-53550	WRR&P-Util-Cell Phone/Pager Serv	47 : 3900	OPERATING	Treatment	\$ 1,769	\$ 1,822	\$ 1,877	\$ 1,933	\$ 1,991	\$ 2,051	\$ 2,113	\$ 2,176	\$ 2,241	\$ 2,308	\$ 2,377
47-39000-53690	WRR&P-Repair & Mtce Svcs-Other	47 : 3900	OPERATING	Treatment	\$ 3,774	\$ 3,887	\$ 4,004	\$ 4,124	\$ 4,248	\$ 4,375	\$ 4,506	\$ 4,641	\$ 4,780	\$ 4,923	\$ 5,071
	Total Personnel				\$ 227,699	\$ 234,530	\$ 241,565	\$ 248,812	\$ 256,276	\$ 263,963	\$ 271,883	\$ 280,039	\$ 288,440	\$ 297,093	\$ 306,007
	Total Operating				\$ 245,267	\$ 252,627	\$ 260,208	\$ 268,013	\$ 276,054	\$ 284,335	\$ 292,865	\$ 301,650	\$ 310,698	\$ 320,020	\$ 329,621
	Total Debt Service				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Total Capital Outlay				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Total Transfers				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Total 47 : Water Reclamation 39000 : Water Reclamation Resources And Planning				\$ 472,966	\$ 487,157	\$ 501,773	\$ 516,825	\$ 532,330	\$ 548,298	\$ 564,748	\$ 581,689	\$ 599,138	\$ 617,113	\$ 635,628

CITY AND COUNTY OF BROOMFIELD, CO
 WATER, RECLAIMED & SEWER SYSTEM
 REVENUES AND EXPENSES - RECLAIMED WATER

Acct	Description	Utility	Type	Department	Adjusted Budget	Projected										
					2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	
47 : WATER RECLAMATION 39100 : WATER RECLAMATION SUPPLY																
47-39100-51110	Water Reclamation Supply-Salaries Full Time	47 : 39100	PERSONNEL	Source of Supply	\$ 5,405	\$ 5,567	\$ 5,734	\$ 5,906	\$ 6,083	\$ 6,265	\$ 6,453	\$ 6,647	\$ 6,846	\$ 7,051	\$ 7,263	
47-39100-51410	Water Reclamation Supply-Overtime	47 : 39100	PERSONNEL	Source of Supply	\$ 3,414	\$ 3,516	\$ 3,621	\$ 3,730	\$ 3,842	\$ 3,957	\$ 4,076	\$ 4,198	\$ 4,324	\$ 4,454	\$ 4,588	
47-39100-51520	Water Reclamation Supply-On Call Pay	47 : 39100	PERSONNEL	Source of Supply	\$ 265	\$ 273	\$ 281	\$ 289	\$ 298	\$ 307	\$ 316	\$ 325	\$ 335	\$ 345	\$ 355	
47-39100-51610	Water Reclamation Supply-Social Security	47 : 39100	PERSONNEL	Source of Supply	\$ 563	\$ 580	\$ 597	\$ 615	\$ 633	\$ 652	\$ 672	\$ 692	\$ 713	\$ 734	\$ 756	
47-39100-51620	Water Reclamation Supply-Medicare	47 : 39100	PERSONNEL	Source of Supply	\$ 131	\$ 135	\$ 139	\$ 143	\$ 147	\$ 151	\$ 156	\$ 161	\$ 166	\$ 171	\$ 176	
47-39100-51710	Water Reclamation Supply-Ben Empl Money Purchase P	47 : 39100	PERSONNEL	Source of Supply	\$ 324	\$ 334	\$ 344	\$ 354	\$ 365	\$ 376	\$ 387	\$ 399	\$ 411	\$ 423	\$ 436	
47-39100-51740	Water Reclamation Supply-Empl Assst. Program	47 : 39100	PERSONNEL	Source of Supply	\$ 1	\$ 1	\$ 1	\$ 1	\$ 1	\$ 1	\$ 1	\$ 1	\$ 1	\$ 1	\$ 1	
47-39100-51810	Water Reclamation Supply-Insurance MCEP	47 : 39100	PERSONNEL	Source of Supply	\$ 723	\$ 745	\$ 767	\$ 790	\$ 814	\$ 838	\$ 863	\$ 889	\$ 916	\$ 943	\$ 971	
47-39100-51830	Water Reclamation Supply-Insurance Dental	47 : 39100	PERSONNEL	Source of Supply	\$ 22	\$ 23	\$ 24	\$ 25	\$ 26	\$ 27	\$ 28	\$ 29	\$ 30	\$ 31	\$ 32	
47-39100-51840	Water Reclamation Supply-Insurance Life/ADD/LD	47 : 39100	PERSONNEL	Source of Supply	\$ 23	\$ 24	\$ 25	\$ 26	\$ 27	\$ 28	\$ 29	\$ 30	\$ 31	\$ 32	\$ 33	
47-39100-52140	Water Reclamation Supply-Supplies-Fuel	47 : 39100	OPERATING	Source of Supply	\$ 2,695	\$ 2,776	\$ 2,859	\$ 2,945	\$ 3,033	\$ 3,124	\$ 3,218	\$ 3,315	\$ 3,414	\$ 3,516	\$ 3,621	
47-39100-52150	Water Reclamation Supply-Supplies-Chemicals	47 : 39100	OPERATING	Source of Supply	\$ 29,949	\$ 30,847	\$ 31,772	\$ 32,725	\$ 33,707	\$ 34,718	\$ 35,760	\$ 36,833	\$ 37,938	\$ 39,076	\$ 40,248	
47-39100-52790	Water Reclamation Supply-Repair & Mtce-Other	47 : 39100	OPERATING	Source of Supply	\$ 2,523	\$ 2,599	\$ 2,677	\$ 2,757	\$ 2,840	\$ 2,925	\$ 3,013	\$ 3,103	\$ 3,196	\$ 3,292	\$ 3,391	
47-39100-53510	Water Reclamation Supply-Utilities-Gas	47 : 39100	OPERATING	Source of Supply	\$ 2,119	\$ 2,183	\$ 2,248	\$ 2,315	\$ 2,384	\$ 2,456	\$ 2,530	\$ 2,606	\$ 2,684	\$ 2,765	\$ 2,848	
47-39100-53520	Water Reclamation Supply-Utilities-Electricity	47 : 39100	OPERATING	Source of Supply	\$ 92,375	\$ 95,146	\$ 98,000	\$ 100,940	\$ 103,968	\$ 107,087	\$ 110,300	\$ 113,609	\$ 117,017	\$ 120,528	\$ 124,144	
47-39100-53530	Water Reclamation Supply-Utilities-Water/Sewer	47 : 39100	OPERATING	Source of Supply	\$ 643	\$ 662	\$ 682	\$ 702	\$ 723	\$ 745	\$ 767	\$ 790	\$ 814	\$ 838	\$ 863	
47-39100-53690	Water Reclamation Supply-Repair & Mtce Svcs-Othe	47 : 39100	OPERATING	Source of Supply	\$ 14,760	\$ 15,203	\$ 15,659	\$ 16,129	\$ 16,613	\$ 17,111	\$ 17,624	\$ 18,153	\$ 18,698	\$ 19,259	\$ 19,837	
	Total Personnel				\$ 10,871	\$ 11,198	\$ 11,533	\$ 11,879	\$ 12,236	\$ 12,602	\$ 12,981	\$ 13,371	\$ 13,773	\$ 14,185	\$ 14,611	
	Total Operating				\$ 145,064	\$ 149,416	\$ 153,897	\$ 158,513	\$ 163,268	\$ 168,166	\$ 173,212	\$ 178,409	\$ 183,761	\$ 189,274	\$ 194,952	
	Total Debt Service				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	Total Capital Outlay				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	Total Transfers				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	Total 47 : Water Reclamation 39100 : Water Reclamation Supply				\$ 155,935	\$ 160,614	\$ 165,430	\$ 170,392	\$ 175,504	\$ 180,768	\$ 186,193	\$ 191,780	\$ 197,534	\$ 203,459	\$ 209,563	
47 : WATER RECLAMATION 39200 : WATER RECLAMATION TREATMENT																
47-39200-52110	Water Reclamation Treatment-Supplies-Office	47 : 39200	OPERATING	Treatment	\$ 100	\$ 103	\$ 106	\$ 109	\$ 112	\$ 115	\$ 118	\$ 122	\$ 126	\$ 130	\$ 134	
47-39200-52150	Water Reclamation Treatment-Supplies-Chemicals	47 : 39200	OPERATING	Treatment	\$ 12,972	\$ 13,361	\$ 13,762	\$ 14,175	\$ 14,600	\$ 15,038	\$ 15,489	\$ 15,954	\$ 16,433	\$ 16,926	\$ 17,434	
47-39200-52190	Water Reclamation Treatment-Supplies-Other	47 : 39200	OPERATING	Treatment	\$ 880	\$ 906	\$ 933	\$ 961	\$ 990	\$ 1,020	\$ 1,051	\$ 1,083	\$ 1,115	\$ 1,148	\$ 1,182	
47-39200-52710	Water Reclamation Treatment-Repair & Mtce-Buildi	47 : 39200	OPERATING	Treatment	\$ 1,000	\$ 1,030	\$ 1,061	\$ 1,093	\$ 1,126	\$ 1,160	\$ 1,195	\$ 1,231	\$ 1,268	\$ 1,306	\$ 1,345	
47-39200-52790	Water Reclamation Treatment-Repair & Mtce-Other	47 : 39200	OPERATING	Treatment	\$ 12,000	\$ 12,360	\$ 12,731	\$ 13,113	\$ 13,506	\$ 13,911	\$ 14,328	\$ 14,758	\$ 15,201	\$ 15,657	\$ 16,127	
47-39200-53170	Water Reclamation Treatment-Professional Svcs-Mi	47 : 39200	OPERATING	Treatment	\$ 4,990	\$ 5,140	\$ 5,294	\$ 5,453	\$ 5,617	\$ 5,786	\$ 5,960	\$ 6,139	\$ 6,323	\$ 6,513	\$ 6,708	
47-39200-53420	Water Reclamation Treatment-Postage/Shipping/freig	47 : 39200	OPERATING	Treatment	\$ 320	\$ 330	\$ 340	\$ 350	\$ 361	\$ 372	\$ 383	\$ 394	\$ 406	\$ 418	\$ 431	
47-39200-53430	Water Reclamation Treatment-Dues/Subsc/Licenses	47 : 39200	OPERATING	Treatment	\$ 2,100	\$ 2,163	\$ 2,228	\$ 2,295	\$ 2,364	\$ 2,435	\$ 2,508	\$ 2,583	\$ 2,660	\$ 2,740	\$ 2,822	
47-39200-53440	Water Reclamation Treatment-Advertising	47 : 39200	OPERATING	Treatment	\$ 200	\$ 206	\$ 212	\$ 218	\$ 225	\$ 232	\$ 239	\$ 246	\$ 253	\$ 261	\$ 269	
47-39200-53520	Water Reclamation Treatment-Utilities-Electricit	47 : 39200	OPERATING	Treatment	\$ 156,300	\$ 160,989	\$ 165,819	\$ 170,794	\$ 175,918	\$ 181,196	\$ 186,632	\$ 192,231	\$ 197,998	\$ 203,938	\$ 210,056	
47-39200-53610	Water Reclamation Treatment-Repair & Mtce Svcs	47 : 39200	OPERATING	Treatment	\$ 1,000	\$ 1,030	\$ 1,061	\$ 1,093	\$ 1,126	\$ 1,160	\$ 1,195	\$ 1,231	\$ 1,268	\$ 1,306	\$ 1,345	
47-39200-53630	Water Reclamation Treatment-R & M Svcs-Electronics	47 : 39200	OPERATING	Treatment	\$ 800	\$ 824	\$ 849	\$ 874	\$ 900	\$ 927	\$ 955	\$ 984	\$ 1,014	\$ 1,044	\$ 1,075	
47-39200-53690	Water Reclamation Treatment-Repair & Mtce Svcs	47 : 39200	OPERATING	Treatment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	Total Personnel				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	Total Operating				\$ 192,662	\$ 198,442	\$ 204,396	\$ 210,528	\$ 216,845	\$ 223,352	\$ 230,053	\$ 236,956	\$ 244,065	\$ 251,387	\$ 258,928	
	Total Debt Service				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	Total Capital Outlay				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	Total Transfers				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	Total 47 : Water Reclamation 39200 : Water Reclamation Treatment				\$ 192,662	\$ 198,442	\$ 204,396	\$ 210,528	\$ 216,845	\$ 223,352	\$ 230,053	\$ 236,956	\$ 244,065	\$ 251,387	\$ 258,928	

CITY AND COUNTY OF BROOMFIELD, CO
 WATER, RECLAIMED & SEWER SYSTEM
 REVENUES AND EXPENSES - RECLAIMED WATER

Acct	Description	Utility	Type	Department	Adjusted Budget	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected
					2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
47 : WATER RECLAMATION 39300 : WATER RECLAMATION OPS/MTCE															
47-39300-52110	Water Reclamation Ops/Mtce-Supplies-Office	47 : 39300	OPERATING	Treatment	\$ 100	\$ 103	\$ 106	\$ 109	\$ 112	\$ 115	\$ 118	\$ 122	\$ 126	\$ 130	\$ 134
47-39300-52150	Water Reclamation Ops/Mtce-Supplies-Chemicals	47 : 39300	OPERATING	Treatment	\$ 200	\$ 206	\$ 212	\$ 218	\$ 225	\$ 232	\$ 239	\$ 246	\$ 253	\$ 261	\$ 269
47-39300-52190	Water Reclamation Ops/Mtce-Supplies-Other	47 : 39300	OPERATING	Treatment	\$ 4,810	\$ 4,954	\$ 5,103	\$ 5,256	\$ 5,414	\$ 5,576	\$ 5,743	\$ 5,915	\$ 6,092	\$ 6,275	\$ 6,463
47-39300-52530	Water Reclamation Ops/Mtce-Equipment-Safety	47 : 39300	OPERATING	Treatment	\$ 153	\$ 158	\$ 163	\$ 168	\$ 173	\$ 178	\$ 183	\$ 188	\$ 194	\$ 200	\$ 206
47-39300-52590	Water Reclamation Ops/Mtce-Equipment-Other	47 : 39300	OPERATING	Treatment	\$ 26,264	\$ 27,052	\$ 27,864	\$ 28,700	\$ 29,561	\$ 30,448	\$ 31,361	\$ 32,302	\$ 33,271	\$ 34,269	\$ 35,297
47-39300-52790	Water Reclamation Ops/Mtce-Repair & Mtce-Other	47 : 39300	OPERATING	Treatment	\$ 13,056	\$ 13,448	\$ 13,851	\$ 14,267	\$ 14,695	\$ 15,136	\$ 15,590	\$ 16,058	\$ 16,540	\$ 17,036	\$ 17,547
47-39300-53170	Water Reclamation Ops/Mtce-Professional Svcs-Mis	47 : 39300	OPERATING	Treatment	\$ 7,050	\$ 7,262	\$ 7,480	\$ 7,704	\$ 7,935	\$ 8,173	\$ 8,418	\$ 8,671	\$ 8,931	\$ 9,199	\$ 9,475
47-39300-53690	Water Reclamation Ops/Mtce-Repair & Mtce Svcs-Ot	47 : 39300	OPERATING	Treatment	\$ 2,450	\$ 2,524	\$ 2,600	\$ 2,678	\$ 2,758	\$ 2,841	\$ 2,926	\$ 3,014	\$ 3,104	\$ 3,197	\$ 3,293
	Total Personnel				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Total Operating				\$ 54,083	\$ 55,707	\$ 57,379	\$ 59,100	\$ 60,873	\$ 62,699	\$ 64,578	\$ 66,516	\$ 68,511	\$ 70,567	\$ 72,684
	Total Debt Service				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Total Capital Outlay				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Total Transfers				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Total 47 : Water Reclamation 39300 : Water Reclamation Ops/Mtce				\$ 54,083	\$ 55,707	\$ 57,379	\$ 59,100	\$ 60,873	\$ 62,699	\$ 64,578	\$ 66,516	\$ 68,511	\$ 70,567	\$ 72,684
47 : WATER RECLAMATION 39400 : WATER RECLAMATION LAB OPS															
47-39400-52150	Water Reclamation Lab Ops-Supplies-Chemicals	47 : 39400	OPERATING	Treatment	\$ 7,643	\$ 7,872	\$ 8,108	\$ 8,351	\$ 8,602	\$ 8,860	\$ 9,126	\$ 9,400	\$ 9,682	\$ 9,972	\$ 10,271
47-39400-52190	Water Reclamation Lab Ops-Supplies-Other	47 : 39400	OPERATING	Treatment	\$ 3,966	\$ 4,085	\$ 4,208	\$ 4,334	\$ 4,464	\$ 4,598	\$ 4,736	\$ 4,878	\$ 5,024	\$ 5,175	\$ 5,330
47-39400-52590	Water Reclamation Lab Ops-Equipment-Other	47 : 39400	OPERATING	Treatment	\$ 700	\$ 721	\$ 743	\$ 765	\$ 788	\$ 812	\$ 836	\$ 861	\$ 887	\$ 914	\$ 941
47-39400-53170	Water Reclamation Lab Ops-Professional Svcs-Misc	47 : 39400	OPERATING	Treatment	\$ 12,600	\$ 12,978	\$ 13,367	\$ 13,768	\$ 14,181	\$ 14,606	\$ 15,044	\$ 15,495	\$ 15,960	\$ 16,439	\$ 16,932
47-39400-53690	Water Reclamation Lab Ops-Repair & Mtce Svcs-Oth	47 : 39400	OPERATING	Treatment	\$ 11,096	\$ 11,429	\$ 11,772	\$ 12,125	\$ 12,489	\$ 12,864	\$ 13,250	\$ 13,648	\$ 14,057	\$ 14,479	\$ 14,913
47-39400-53790	Water Reclamation Lab Ops-Rentals & Leases-Other	47 : 39400	OPERATING	Treatment	\$ 600	\$ 618	\$ 637	\$ 656	\$ 676	\$ 696	\$ 717	\$ 739	\$ 761	\$ 784	\$ 808
	Total Personnel				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Total Operating				\$ 36,605	\$ 37,703	\$ 38,835	\$ 39,999	\$ 41,200	\$ 42,436	\$ 43,709	\$ 45,021	\$ 46,371	\$ 47,763	\$ 49,195
	Total Debt Service				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Total Capital Outlay				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Total Transfers				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Total 47 : Water Reclamation 39400 : Water Reclamation Lab Ops				\$ 36,605	\$ 37,703	\$ 38,835	\$ 39,999	\$ 41,200	\$ 42,436	\$ 43,709	\$ 45,021	\$ 46,371	\$ 47,763	\$ 49,195
47 : MISC RECLAIM EXPENDITURES															
47-91100-59045	Compensation - Pool Merit	MISC RECLAIM	OPERATING	Treatment	\$ 6,287	\$ 6,476	\$ 6,670	\$ 6,870	\$ 7,076	\$ 7,288	\$ 7,507	\$ 7,732	\$ 7,964	\$ 8,203	\$ 8,449
47-92100-57345	Transfers To-Trfs to Sewer	MISC RECLAIM	TRANSFER OUT	Transfers	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
47-92300-57501	Transfers for Svcs Rendered-Serv Rnder-To City Gen	MISC RECLAIM	TRANSFER OUT	Transfers	\$ 86,146	\$ 89,161	\$ 92,282	\$ 95,512	\$ 98,855	\$ 102,315	\$ 105,896	\$ 109,602	\$ 113,438	\$ 117,408	\$ 121,517
47-70111-55600	AR Other-Equip Replacement-CIP-Other	MISC RECLAIM	CAPITAL	Treatment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
47-70720-55200	CIP Reuse Water Transmission-CIP Project Construct	MISC RECLAIM	CAPITAL	Treatment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
47-70721-55200	CIP Project Construction	MISC RECLAIM	CAPITAL	Treatment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
47-70730-55200	CIP Reuse Water Acq & Storage-CIP Project Construc	MISC RECLAIM	CAPITAL	Treatment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
47-70731-55200	CIP Project Construction	MISC RECLAIM	CAPITAL	Treatment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
47-70790-55600	CIP Reuse Utilities Planning & Admin CIP - Other	MISC RECLAIM	CAPITAL	Treatment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
47-70791-55600	Reuse Water-Utilities Planning & Admin-CIP-Other	MISC RECLAIM	CAPITAL	Treatment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Total Personnel				\$ 6,287	\$ 6,476	\$ 6,670	\$ 6,870	\$ 7,076	\$ 7,288	\$ 7,507	\$ 7,732	\$ 7,964	\$ 8,203	\$ 8,449
	Total Operating				\$ 6,287	\$ 6,476	\$ 6,670	\$ 6,870	\$ 7,076	\$ 7,288	\$ 7,507	\$ 7,732	\$ 7,964	\$ 8,203	\$ 8,449
	Total Debt Service				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Total Capital Outlay				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Total Transfers				\$ 86,146	\$ 89,161	\$ 92,282	\$ 95,512	\$ 98,855	\$ 102,315	\$ 105,896	\$ 109,602	\$ 113,438	\$ 117,408	\$ 121,517
	Total 47 : Misc Reclaim Expenditures				\$ 92,433	\$ 95,637	\$ 98,952	\$ 102,382	\$ 105,931	\$ 109,603	\$ 113,403	\$ 117,334	\$ 121,402	\$ 125,611	\$ 129,966
RECLAIMED WATER DEBT SERVICE															
	<u>Reclaimed Water Debt Service</u>														
	New Debt	RECLAIM	NEW	DEBT	\$ -	\$ -	\$ -	\$ 2,432,000	\$ 2,432,000	\$ 2,432,000	\$ 2,432,000	\$ 2,432,000	\$ 2,432,000	\$ 2,432,000	\$ 2,432,000
	Total Reclaimed Water Debt Service				\$ -	\$ -	\$ -	\$ 2,432,000	\$ 2,432,000	\$ 2,432,000	\$ 2,432,000	\$ 2,432,000	\$ 2,432,000	\$ 2,432,000	\$ 2,432,000

CITY AND COUNTY OF BROOMFIELD, CO
 WATER, RECLAIMED & SEWER SYSTEM
 CAPITAL IMPROVEMENT PLAN

Line	Description	Projected for Year Ending December 31										10 year Total	
		2022	2023	2024	2025	2026	2027	2028	2029	2030	2031		2032
RECLAIMED WATER SYSTEM													
1	3.2MG Reuse Water Tank (Lowell and Sheridan)	\$ 2,500,000	\$ 10,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,500,000
2	Heit Pit - Pump Station/Inlet Improvements	\$ 2,086,908	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,086,908
3	Heit Pit - Well Field	\$ 1,150,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,150,000
4	Reservoir Monitoring and Maintenance	\$ 80,000	\$ 59,950	\$ 65,346	\$ 71,227	\$ 39,393	\$ 40,575	\$ 41,792	\$ 43,046	\$ 44,337	\$ 45,667	\$ 47,037	\$ 578,368
5	Raw Water Purchases - Marshal Shares	\$ 60,000	\$ 56,680	\$ 61,781	\$ 67,342	\$ 58,526	\$ 60,282	\$ 62,091	\$ 63,953	\$ 65,872	\$ 67,848	\$ 69,884	\$ 694,259
6	Rocky Mountain Airport - Distribution and Reuse Tank Exterior Painting	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
7	Anthem - Connect Reuse Mainlines at Preble Creek and Indian Peaks	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
8	Meadow Island Diversion Structure	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
9	Public Works - Engineering and Legal Services - Projects	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10	Pump Station - Construction (Wastewater Treatment Facility)	\$ -	\$ -	\$ 1,600,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,600,000
11	Augmentation Station at Slate Ditch	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
12	Brunner Reservoir South Pipeline Replacement	\$ 550,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 550,000
13	Great Western Reservoir Fencing and Security	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
14	Great Western Reservoir Outlet Wye Replacement	\$ -	\$ 109,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 109,000
15	Great Western Reservoir Dam Toe Drain Replacement	\$ -	\$ -	\$ 1,800,000	\$ 6,500,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,300,000
16	Walnut Creek Water Measurement Flume at Indiana	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
17	Marshall Water Rights Change of Use (50% of cost)	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000
18	Non-Mobile Equipment Replacement	\$ 31,336	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 31,336
19	Public Works - Engineering and Legal Services - General	\$ 220,000	\$ 272,500	\$ 297,025	\$ 323,757	\$ 281,377	\$ 289,819	\$ 298,513	\$ 307,468	\$ 316,693	\$ 326,193	\$ 335,979	\$ 3,269,324
20	Water Resources Telemetry and SCADA Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
21	Vehicle and Mobile Equipment Replacement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
22	Filtration Building Expansion (2 MGD @ Wastewater Treatment Facility)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 11,648,270	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 11,648,270
23	North Broomfield/Highway 7 - Reuse Water Line Extensions	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,651,713	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,651,713
24	North Broomfield/Highway 7 Water Rights (1,816 AF total)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 15,360,381	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 15,360,381
25	North Broomfield/Highway 7 Water Rights (1,816 AF total)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,582,157	\$ 1,844,811	\$ 2,584,211	\$ 2,661,737	\$ -	\$ 10,672,916
26	Total Reclaimed Water System Improvements	\$ 6,878,244	\$ 10,498,130	\$ 3,824,152	\$ 6,962,325	\$ 379,296	\$ 31,051,040	\$ 3,984,553	\$ 2,259,278	\$ 3,011,112	\$ 3,101,446	\$ 452,900	\$ 72,402,477

CITY AND COUNTY OF BROOMFIELD, CO
 WATER, RECLAIMED & SEWER SYSTEM
 CALCULATION OF NEW DEBT

Fiscal Year	Term (Yrs)	Rate	Issuance Costs	Capital Project Proceeds Required	Issuance Costs	Total Debt Required	Years to Issue Debt	Debt Bundle	X Year Delay in Debt Service	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
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Reclaimed Water System Improvements - Revenue Bond

New Debt Required		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 16,836,021	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Issued Every ___ Years	3	---	---	---	---	---	---	---	---	2027	---	---	---	---	---	---	---	2030	---	---

2022	20	3.5%	2.0%	\$ -	\$ -	\$ -	---	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2023	20	3.5%	2.0%	\$ -	\$ -	\$ -	---	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2024	20	3.5%	2.0%	\$ -	\$ -	\$ -	---	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2025	20	3.5%	2.0%	\$ -	\$ -	\$ -	---	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2026	20	3.5%	2.0%	\$ -	\$ -	\$ -	---	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2027	20	3.5%	2.0%	\$ 16,836,021	\$ 336,720	\$ 17,172,742	2027	\$ 17,172,742		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,208,000	\$ 1,208,000	\$ 1,208,000	\$ 1,208,000	\$ 1,208,000	\$ 1,208,000	\$ 1,208,000
2028	20	3.5%	2.0%	\$ -	\$ -	\$ -	---	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2029	20	3.5%	2.0%	\$ -	\$ -	\$ -	---	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2030	20	3.5%	2.0%	\$ -	\$ -	\$ -	2030	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2031	20	3.5%	2.0%	\$ -	\$ -	\$ -	---	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2032	20	3.5%	2.0%	\$ -	\$ -	\$ -	---	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Cumulative Annual Debt Service Reclaimed Water System Improvements - Revenue Bond										\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,208,000	\$ 1,208,000	\$ 1,208,000	\$ 1,208,000	\$ 1,208,000	\$ 1,208,000	\$ 1,208,000

APPENDIX D

Water Cost-of-Service and Rate Design

CITY AND COUNTY OF BROOMFIELD, CO
 Development of Rate Revenue Requirement

Line No:		Test Year for Rate Revenue Requirement
		Water
1	Total Operating Revenue Requirement	\$ 21,161,159
	Less:	
	<u>Other Operating Revenues</u>	
2	Water Sales	\$ 13,293,668
3	Water Sales - Flat Charge	\$ 4,998,290
4	Engineering Inspection	\$ 30,000
5	Meter Fees	\$ 395,653
6	License Fees	\$ 25,244,314
7	Late Chrgs & Turn On Fees	\$ 75,000
8	Investment Earnings	\$ 684,688
9	Investment Earnings On Reserves	\$ 1,000
26	Increase/(Decrease) in Revenues	\$ (43,536,272)
27	Total Other Operating Revenues	\$ 1,186,341
28	Total Rate Revenue Requirement	\$ 19,974,818

CITY AND COUNTY OF BROOMFIELD, CO
 Allocation of Test Year Costs to Water Function

Test Year for Rate Revenue Requirement		
Line No:	Expense Group	FY 2023
1	Treatment	\$9,872,730
2	Transmission & Distribution	2,116,012
3	Pumping	0
4	Customer Service	0
5	Admin	2,204,394
6	Source of Supply	5,446,726
7	Transfers	1,471,362
8	Existing Bond DS	8,693,450
9	New Bond DS	0
10	CIP	1,272,466
11	Capital Outlay	0
12	Total	\$ 31,077,140

CITY AND COUNTY OF BROOMFIELD, CO
Water Calculation of Fixed Charge Rates/ Revenue - Test Year FY 2023

Line No:

Water Fixed Charge - By Meter Size			
Meter Size	Meter Equivalency	Billing Method	Billing Period
1	0.625	Units	Monthly
2	0.75		
3	1		
4	1.5		
5	2		
6	3		
7	4		
8	6		
9	8		
10	10		
11	12		
12	16		

Water
Inside

Class -->		Single Family	Residential Multi	Non-Residential	Fire Line	Construction Meter	Total	Calculation of Equivalent Meters / Units - Inside							
Meter Size	Billing Basis-->	Units	Units	Units	Units	Units	Total	Bills	Equiv. Factor	Inside / Outside Factor	Equivalent Meters	Units	Equiv. Factor	Inside / Outside Factor	Equivalent Units
0.625		-	-	-	-	-	-	-	0.67	1.00	-	-	0.67	1.00	-
0.75		21,161	12,777	505	-	29	34,472	-	1.00	1.00	-	34,472	1.00	1.00	34,472
1		165	-	369	-	-	534	-	1.67	1.00	-	534	1.67	1.00	890
1.5		-	-	303	-	-	303	-	3.33	1.00	-	303	3.33	1.00	1,010
2		-	-	263	9	-	272	-	5.33	1.00	-	272	5.33	1.00	1,451
3		-	-	78	10	-	88	-	10.00	1.00	-	88	10.00	1.00	880
4		-	-	27	142	-	169	-	16.67	1.00	-	169	16.67	1.00	2,817
6		-	-	5	197	-	202	-	33.33	1.00	-	202	33.33	1.00	6,733
8		-	-	1	45	-	46	-	53.33	1.00	-	46	53.33	1.00	2,453
10		-	-	-	-	-	-	-	76.67	1.00	-	-	76.67	1.00	-
12		-	-	-	-	-	-	-	143.33	1.00	-	-	143.33	1.00	-
Total Monthly Customers		21,326	12,777	1,551	403	29	36,086	-	-	-	-	36,086	-	-	50,706

Water
Outside

Class -->		Single Family	Total		Calculation of Equivalent Meters / Units - Outside										
Meter Size	Billing Basis-->	Units	Units	Units	Units	Units	Total	Bills	Equiv. Factor	Inside / Outside Factor	Equivalent Meters	Units	Equiv. Factor	Inside / Outside Factor	Equivalent Units
0.625		-	-	-	-	-	-	-	0.67	2.00	-	-	0.67	2.00	-
0.75		266	-	-	-	-	266	-	1.00	2.00	-	266	1.00	2.00	532
1		-	-	-	-	-	-	-	1.67	2.00	-	-	1.67	2.00	-
1.5		-	-	-	-	-	-	-	3.33	2.00	-	-	3.33	2.00	-
2		-	-	-	-	-	-	-	5.33	2.00	-	-	5.33	2.00	-
3		-	-	-	-	-	-	-	10.00	2.00	-	-	10.00	2.00	-
4		-	-	-	-	-	-	-	16.67	2.00	-	-	16.67	2.00	-
6		-	-	-	-	-	-	-	33.33	2.00	-	-	33.33	2.00	-
8		-	-	-	-	-	-	-	53.33	2.00	-	-	53.33	2.00	-
10		-	-	-	-	-	-	-	76.67	2.00	-	-	76.67	2.00	-
12		-	-	-	-	-	-	-	143.33	2.00	-	-	143.33	2.00	-
Total Monthly Customers		266	-	-	-	-	266	-	-	-	-	266	-	-	532

CITY AND COUNTY OF BROOMFIELD, CO
Water Max Day/Hour Allocation Factors - Test Year FY 2023

	[A]	[B]	[C]	[D]	[E]	[F]	[G]	[H]	[I]	
Line No:	Description	Flow	Peak Month (kgals)	Average Month (kgals)	Max Day/Avg Day Factor	Max Day Total Capacity (kgals/Day)	Max Day Extra Capacity (kgals/Day)	Max Hour Capacity Factor	Max Hour Total Capacity (kgals/Day)	Max Hour Extra Capacity (kgals/Day)
Operating Statistics:		MGD	Factor							
1	Avg Day Flow (MGD)	1.00	1.00							
2	Max Day Flow (MGD)	2.00	2.00							
3	Max Hour Flow (MGD)	3.00	3.00							
Cost Allocation Factors:		Base	Max Day	Max Hour						
4	Base/Max Day	50.00%	50.00%	0.00%						
5	Base/Max Day/Max Hour	33.33%	33.33%	33.33%						
Peaking Factors:										
Single Family Inside					[B] / [C]			[D] * [B3 / B2]		
6	0 - 5,000 Gallons	90,618	75,407	1.20				1.80		
7	5,000 - 20,000 Gallons	189,112	70,756	2.67				4.01		
8	Over - 20,000 Gallons	104,435	24,270	4.30				6.45		
9	Residential Multi	50,950	36,889	1.38				2.07		
10	Non-Residential	247,337	94,375	2.62				3.93		
11	Fire Line	-	-	0.00				0.00		
12	Construction Meter	9,490	4,261	2.23				3.34		
Single Family Outside					[B] / [C]			[D] * [B3 / B2]		
12	All Flow	7,437	3,247	2.29				3.44		
					Maximum Day		Maximum Hour			
					[D] x [B]		[E] - [B]		[G] x [B]	
					[H] - [E]					
	Estimated Max Day/Hour Flows:	Total Annual Flow (kgals)	Average Daily Flow (kgals)	Peaking Factor	Total Capacity	Extra Capacity	Peaking Factor	Total Capacity	Extra Capacity	
Single Family Inside										
13	0 - 5,000 Gallons	1,016,732	2,786	1.20	3,347	562	1.80	5,021	1,674	
14	5,000 - 20,000 Gallons	954,128	2,614	2.67	6,987	4,373	4.01	10,480	3,493	
15	Over - 20,000 Gallons	310,779	851	4.30	3,664	2,812	6.45	5,496	1,832	
16	Residential Multi	494,022	1,353	1.38	1,869	516	2.07	2,804	935	
17	Non-Residential	1,272,472	3,486	2.62	9,137	5,650	3.93	13,705	4,568	
18	Fire Line	-	-	0.00	-	-	0.00	-	-	
19	Construction Meter	57,453	157	2.23	351	193	3.34	526	175	
Single Family Outside										
20	All Flow	38,961	107	2.29	245	138	3.44	367	122	
21	Total	4,144,547	11,355		25,599	14,244		38,399	12,800	

CITY AND COUNTY OF BROOMFIELD, CO
Water Units of Service by Cost Component - Test Year FY 2023

	[A]	[B]	[C]	[D]	[E]
Line No:	ERUs	Accounts	Base (KGals)	Max Day (KGals/Day)	Max Hour (KGals/Day)
	Single Family Inside	21,436	21,326		
1	0 - 5,000 Gallons		1,016,732	562	1,674
2	5,000 - 20,000 Gallons		954,128	4,373	3,493
3	Over - 20,000 Gallons		310,779	2,812	1,832
4	Residential Multi	12,777	12,777	494,022	516
5	Non-Residential	4,983	1,551	1,272,472	5,650
6	Fire Line	11,481	403	-	-
7	Construction Meter	29	29	57,453	193
	Single Family Outside	532	266		
8	All Flow		38,961	138	122
9	Total	51,238	36,352	4,144,547	14,244

CITY AND COUNTY OF BROOMFIELD, CO
Allocation of Water Costs - Test Year FY 2023

Line No:	Description	Water Costs	Extra Capacity			Meters & Services	Billing & Collection	Fire Service	Total
			Base	Max Day	Max Hour				
Allocation Factors:									
1	Treatment		50.00%	50.00%	0.00%	0.00%	0.00%	0.00%	100.00%
2	Transmission & Distribution		33.33%	33.33%	33.33%	0.00%	0.00%	0.00%	100.00%
3	Pumping		50.00%	50.00%	0.00%	0.00%	0.00%	0.00%	100.00%
4	Customer Service		0.00%	0.00%	0.00%	75.00%	0.00%	25.00%	100.00%
5	Admin		0.00%	0.00%	0.00%	75.00%	0.00%	25.00%	100.00%
6	Source of Supply		100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
7	Transfers		33.00%	0.00%	0.00%	67.00%	0.00%	0.00%	100.00%
8	Existing Bond DS		18.00%	0.00%	0.00%	82.00%	0.00%	0.00%	100.00%
9	New Bond DS		0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	100.00%
10	CIP		33.00%	0.00%	0.00%	67.00%	0.00%	0.00%	100.00%
11	Capital Outlay		0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	100.00%
Allocation of Costs:									
12	Treatment	\$ 9,872,730	\$ 4,936,365	\$ 4,936,365	\$ -	\$ -	\$ -	\$ -	\$ 9,872,730
13	Transmission & Distribution	2,116,012	705,337	705,337	705,338	-	-	-	2,116,012
14	Pumping	-	-	-	-	-	-	-	-
15	Customer Service	-	-	-	-	-	-	-	-
16	Admin	2,204,394	-	-	-	1,653,296	-	551,098	2,204,394
17	Source of Supply	5,446,726	5,446,726	-	-	-	-	-	5,446,726
18	Transfers	1,471,362	485,549	-	-	985,813	-	-	1,471,362
19	Existing Bond DS	8,693,450	1,564,821	-	-	7,128,629	-	-	8,693,450
20	New Bond DS	-	-	-	-	-	-	-	-
21	CIP	1,272,466	419,914	-	-	852,552	-	-	1,272,466
22	Capital Outlay	-	-	-	-	-	-	-	-
23	Non-Rate Rev & Fund Bal	(11,102,322)	(4,843,856)	(2,015,501)	(251,982)	(3,794,103)	-	(196,880)	(11,102,322)
24	Total	\$ 19,974,818	\$ 8,714,856	\$ 3,626,201	\$ 453,356	\$ 6,826,187	\$ -	\$ 354,218	\$ 19,974,818
Units of Service			4,144,547.00	14,244.09	12,799.51	477,080.00	436,224.00	137,776.00	
			KGals	KGals/Day	KGals/Day	ERUs/Year	Bills/Year	ERUs/Year	
Cost Per Unit			\$ 2.1027	\$ 254.5759	\$ 35.4198	\$ 14.3083	\$ -	\$ 2.5710	
			KGals	KGals/Day	KGals/Day	ERU	Bill	ERU	

CITY AND COUNTY OF BROOMFIELD, CO
Water Cost of Service by Cost Component and Customer Class - Test Year FY 2023

		[A]	[B]	[C]	[D]	[E]	[F]
Line No:	Description	ERUs	Accounts	Base (KGals)	Max Day (KGals/Day)	Max Hour (KGals/Day)	Total
	Single Family Inside	\$ 3,680,544	\$ -	\$ 4,797,667	\$ 1,972,143	\$ 247,900	\$ 10,698,254
1	0 - 5,000 Gallons			\$ 2,137,911	\$ 143,043	\$ 59,283	
2	5,000 - 20,000 Gallons			\$ 2,006,272	\$ 1,113,153	\$ 123,732	
3	Over - 20,000 Gallons			\$ 653,484	\$ 715,948	\$ 64,885	
4	Residential Multi	\$ 2,193,800	\$ -	\$ 1,038,794	\$ 131,339	\$ 33,107	\$ 3,397,040
5	Non-Residential	\$ 855,520	\$ -	\$ 2,675,663	\$ 1,438,475	\$ 161,810	\$ 5,131,468
6	Fire Line	\$ 354,218	\$ -	\$ -	\$ -	\$ -	\$ 354,218
7	Construction Meter	\$ 4,979	\$ -	\$ 120,808	\$ 49,173	\$ 6,208	\$ 181,169
	Single Family Outside	\$ 91,344	\$ -	\$ 81,924	\$ 35,071	\$ 4,330	\$ 212,669
8	All Flow			\$ 81,924	\$ 35,071	\$ 4,330	
9	Total	\$ 7,180,405	\$ -	\$ 8,714,856	\$ 3,626,201	\$ 453,356	\$ 19,974,818

Note: Values in Columns A through E are derived by multiplying the units in columns A through E of Page D-5 by the Cost per Unit from Page D-6

**CITY AND COUNTY OF BROOMFIELD, CO
Water Rate Calculation - Test Year FY 2023**

		[A]	[B]	[C]	[D]	[E]	[F]
Line No:	Description	Capacity Ratio	Meter Charge	Customer Charge	Proposed Charge	Existing Charge	Difference
General Service							
1	3/4 Inch	1.00	\$ 14.31	\$ -	\$ 14.31	\$ 10.47	\$ 3.84
2	1.0 Inch	1.67	\$ 23.85	\$ -	\$ 23.85	\$ 27.78	\$ (3.93)
3	1.5 Inch	3.33	\$ 47.69	\$ -	\$ 47.69	\$ 55.60	\$ (7.91)
4	2.0 Inch	5.33	\$ 76.31	\$ -	\$ 76.31	\$ 111.18	\$ (34.87)
5	3.0 Inch	10.00	\$ 143.08	\$ -	\$ 143.08	\$ 250.17	\$ (107.09)
6	4.0 Inch	16.67	\$ 238.47	\$ -	\$ 238.47	\$ 500.34	\$ (261.87)
7	6.0 Inch	33.33	\$ 476.94	\$ -	\$ 476.94	\$ 1,306.52	\$ (829.58)
8	8.0 Inch	53.33	\$ 763.11	\$ -	\$ 763.11	\$ 2,779.76	\$ (2,016.65)
9	10.0 Inch	76.67	\$ 1,096.97	\$ -	\$ 1,096.97	\$ 2,779.76	\$ (1,682.79)
Fire Service							
10	3/4 Inch	1.00	\$ 2.57	\$ -	\$ 2.57	\$ 12.97	\$ (10.40)
11	1.0 Inch	1.67	\$ 4.28	\$ -	\$ 4.28	\$ 12.97	\$ (8.69)
12	1.5 Inch	3.33	\$ 8.57	\$ -	\$ 8.57	\$ 12.97	\$ (4.40)
13	2.0 Inch	5.33	\$ 13.71	\$ -	\$ 13.71	\$ 12.97	\$ 0.74
14	3.0 Inch	10.00	\$ 25.71	\$ -	\$ 25.71	\$ 25.95	\$ (0.24)
15	4.0 Inch	16.67	\$ 42.85	\$ -	\$ 42.85	\$ 51.85	\$ (9.00)
16	6.0 Inch	33.33	\$ 85.70	\$ -	\$ 85.70	\$ 97.32	\$ (11.62)
17	8.0 Inch	53.33	\$ 137.12	\$ -	\$ 137.12	\$ 129.72	\$ 7.40
18	10.0 Inch	76.67	\$ 197.11	\$ -	\$ 197.11	\$ 129.72	\$ 67.39

Line No:	Customer Class	Base	Peaking	Proposed Rate (\$/KGal)	Existing Rate (\$/KGal)	Difference	Tier Differential
Single Family Inside							
1	0 - 5,000 Gallons	\$ 2.10	\$ 0.20	\$ 2.30	\$ 3.36	\$ (1.06)	1.00
2	5,000 - 20,000 Gallons	\$ 2.10	\$ 1.30	\$ 3.40	\$ 3.36	\$ 0.04	1.48
3	Over - 20,000 Gallons	\$ 2.10	\$ 2.51	\$ 4.62	\$ 3.36	\$ 1.26	2.01
4	Residential Multi	\$ 2.10	\$ 0.33	\$ 2.44	\$ 3.36	\$ (0.92)	1.00
5	Non-Residential	\$ 2.10	\$ 1.26	\$ 3.36	\$ 3.36	\$ 0.00	1.00
6	Fire Line	\$ 2.10	\$ -	\$ 2.10	\$ 3.36	\$ (1.26)	1.00
7	Construction Meter	\$ 2.10	\$ 0.96	\$ 3.07	\$ 3.36	\$ (0.29)	1.00
Single Family Outside							
8	All Flow	\$ 2.10	\$ 1.01	\$ 3.11	\$ 6.72	\$ (3.61)	1.00

Line No:	Customer Class	Annual Use (KGals)	Peaking Costs	Peaking Unit Cost
Single Family Inside				
1	0 - 5,000 Gallons	1,016,732	\$ 202,326	\$ 0.20
2	5,000 - 20,000 Gallons	954,128	\$ 1,236,885	\$ 1.30
3	Over - 20,000 Gallons	310,779	\$ 780,833	\$ 2.51
4	Residential Multi	494,022	\$ 164,446	\$ 0.33
5	Non-Residential	1,272,472	\$ 1,600,285	\$ 1.26
6	Fire Line	-	\$ -	\$ -
7	Construction Meter	57,453	\$ 55,382	\$ 0.96
Single Family Outside				
8	All Flow	38,961	\$ 39,401	\$ 1.01
9	Total	4,144,547	\$ 4,079,557	

CITY AND COUNTY OF BROOMFIELD, CO
Water Rate Design and Revenue Requirement Check - 2023

Development of Proposed FY 2022 Single-Family Residential Rates

Single Family Rates - Cost of Service Component **\$10,698,254**

Service Charge, \$ per Bill	Rate	Units	Revenue
0.625	\$ 14.31	0	\$0
0.75	14.31	21,161	3,633,326
1.00	23.85	165	47,217
1.50	47.69	0	0
2.00	76.31	0	0
3.00	143.08	0	0
4.00	238.47	0	0
6.00	476.94	0	0
8.00	763.11	0	0
10.00	1,096.97	0	0

Total Service Charge Revenue **\$3,680,544**

Volume Charge Revenue to be Recovered \$7,017,710

Block		% Volume in Block	Billed Volume	Cumulative Factor	Volume Rate	Rate Revenue	
0	5,000	Gallons	44.6%	1,016,732	1.00	\$ 2.30	\$2,340,237
5,001	20,000	Gallons	41.8%	954,128	1.48	\$ 3.40	3,243,157
Over	20,000	Gallons	13.6%	310,779	2.01	\$ 4.62	1,434,316

Total **\$7,017,710**

Factor Adjusted Flow **3,048,893**

CITY AND COUNTY OF BROOMFIELD, CO
Water Rate Design and Revenue Requirement Check - 2023

Residential Multi Inside Rates - Cost of Service Component

\$3,397,040

Service Charge, \$ per Bill	Rate	Units	Revenue
0.625 \$	14.31	0	\$0
0.75	14.31	12,777	2,193,800
1.00	23.85	0	0
1.50	47.69	0	0
2.00	76.31	0	0
3.00	143.08	0	0
4.00	238.47	0	0
6.00	476.94	0	0
8.00	763.11	0	0
10.00	1,096.97	0	0

Total Service Charge Revenue	\$2,193,800
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Volume Charge Revenue to be Recovered	\$1,203,240
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Block	% Volume in Block	Billed Volume	Cumulative Factor	Volume Rate	Rate Revenue
All Flow	Gallons 100.0%	494,022	1.00	\$ 2.44	\$1,203,240
Total	100%	0			\$1,203,240
Factor Adjusted Flow		494,022			

CITY AND COUNTY OF BROOMFIELD, CO
Water Rate Design and Revenue Requirement Check - 2023

Development of Proposed FY 2022 Commercial and Irrigation Inside Rates

Non-Residential Inside Rates - Cost of Service Component **\$5,131,468**

Service Charge, \$ per Bill	Rate	Units	Revenue
0.625 \$	14.31	0	\$0
0.75	14.31	505	86,708
1.00	23.85	369	105,595
1.50	47.69	303	173,416
2.00	76.31	263	240,837
3.00	143.08	78	133,925
4.00	238.47	27	77,265
6.00	476.94	5	28,617
8.00	763.11	1	9,157
10.00	1,096.97	0	0

Total Service Charge Revenue **\$855,520**

Volume Charge Revenue to be Recovered \$4,275,948

Block	% Volume in Block	Billed Volume	Cumulative Factor	Volume Rate	Rate Revenue
All Flow	Gallons 100.0%	1,272,472	1.00	\$ 3.36	\$4,275,948
Total	100%	0			\$4,275,948
Factor Adjusted Flow		1,272,472			

CITY AND COUNTY OF BROOMFIELD, CO
Water Rate Design and Revenue Requirement Check - 2023

Fire Line Inside Rates - Cost of Service Component

\$354,218

	Service Charge, \$ per Bill	Rate	Units	Revenue
	0.625	\$ 2.57	0	\$0
	0.75	2.57	0	0
	1.00	4.28	0	0
	1.50	8.57	0	0
	2.00	13.71	9	1,481
	3.00	25.71	10	3,085
	4.00	42.85	142	73,016
	6.00	85.70	197	202,592
	8.00	137.12	45	74,044
	10.00	197.11	0	0

Total Service Charge Revenue				\$354,218

Volume Charge Revenue to be Recovered \$0

	Block	Gallons	% Volume in Block	Billed Volume	Cumulative Factor	Volume Rate	Rate Revenue
All Flow	0	Gallons	100.0%	0	1.00	\$0.00	\$0
			-----	-----			-----
Total			100%	0			\$0
Factor Adjusted Flow				0			

CITY AND COUNTY OF BROOMFIELD, CO
Water Rate Design and Revenue Requirement Check - 2023

Construction Meter Inside Rates - Cost of Service Component **\$181,169**

	Service Charge, \$ per Bill	Rate	Units	Revenue
	0.625 \$	14.31	0	\$0
	0.75	14.31	29	4,979
	1.00	23.85	0	0
	1.50	47.69	0	0
	2.00	76.31	0	0
	3.00	143.08	0	0
	4.00	238.47	0	0
	6.00	476.94	0	0
	8.00	763.11	0	0
	10.00	1,096.97	0	0

Total Service Charge Revenue \$4,979

Volume Charge Revenue to be Recovered \$176,190

Block	0 Gallons	% Volume in Block	Billed Volume	Cumulative Factor	Volume Rate	Rate Revenue
All Flow	0 Gallons	100.0%	57,453	1.00	\$ 3.07	\$176,190
Total		100%	57,453			\$176,190
Factor Adjusted Flow			57,453			

CITY AND COUNTY OF BROOMFIELD, CO
Water Rate Design and Revenue Requirement Check - 2023

Single Family Outside Rates - Cost of Service Component

\$212,669

Service Charge, \$ per Bill	Rate	Units	Revenue
0.625 \$	28.62	0	\$0
0.75	28.62	266	91,344
1.00	47.69	0	0
1.50	95.39	0	0
2.00	152.62	0	0
3.00	286.17	0	0
4.00	476.94	0	0
6.00	953.88	0	0
8.00	1,526.21	0	0
10.00	2,193.93	0	0
Total Service Charge Revenue			\$91,344
Volume Charge Revenue to be Recovered			\$121,325

Block	% Volume in Block	Billed Volume	Cumulative Factor	Volume Rate	Rate Revenue
All Flow	0 Gallons	100.0%	38,961	1.00 \$	3.11 \$121,325
Total		100%	38,961		\$121,325
Factor Adjusted Flow			38,961		

APPENDIX E

Reclaimed Water Cost-of- Service and Rate Design

CITY AND COUNTY OF BROOMFIELD, CO
 Development of Rate Revenue Requirement

Line No:		Test Year for Rate Revenue Requirement
		<u>Reclaimed Water</u>
1	Total Operating Revenue Requirement	\$ 1,790,824
	Less:	
	<u>Other Operating Revenues</u>	
2	Water Sales	\$ -
3	Water Sales - Flat Charge	\$ -
4	Engineering Inspection	\$ -
5	Meter Fees	\$ -
6	License Fees	\$ -
7	Late Chrgs & Turn On Fees	\$ -
8	Investment Earnings	\$ -
9	Investment Earnings On Reserves	\$ -
26	Increase/(Decrease) in Revenues	\$ (2,343,611)
27	Total Other Operating Revenues	\$ 194,555
28	Total Rate Revenue Requirement	\$ 1,596,269

CITY AND COUNTY OF BROOMFIELD, CO
Allocation of Test Year Costs to Reclaimed Water Function

Test Year for Rate Revenue Requirement		
Line No:	Expense Group	FY 2023
1	Treatment	\$785,485
2	Transmission & Distribution	0
3	Pumping	0
4	Customer Service	0
5	Admin	0
6	Source of Supply	160,614
7	Transfers	89,161
8	Existing Bond DS	0
9	New Bond DS	0
10	CIP	498,130
11	Capital Outlay	0
12	Total	\$ 1,533,390

CITY AND COUNTY OF BROOMFIELD, CO
 Water Calculation of Fixed Charge Rates/ Revenue - Test Year FY 2023

Line
No:

Water Fixed Charge - By Meter Size			
	Meter Size	Meter Equivalency	Billing Method
1	0.625	0.67	Units
2	0.75	1.00	
3	1	1.67	
4	1.5	3.33	
5	2	5.33	
6	3	10.00	
7	4	16.67	
8	6	33.33	
9	8	53.33	
10	10	76.67	
11	12	143.33	
12	16	305.33	

Reuse
Inside

Meter Size	Billing Basis-->	Units	Total	Calculation of Equivalent Meters / Units - Inside				Units	Equiv. Factor	Inside / Outside Factor	Equivalent Meters	Units	Equiv. Factor	Inside / Outside Factor	Equivalent Units
				Bills	Equiv. Factor	Inside / Outside Factor	Equivalent Meters								
0.625		-	-	-	0.67	1.00	-	-	0.67	1.00	-	-	0.67	1.00	-
0.75		3	3	-	1.00	1.00	-	3	1.00	1.00	-	3	1.00	1.00	3
1		12	12	-	1.67	1.00	-	12	1.67	1.00	-	12	1.67	1.00	20
1.5		13	13	-	3.33	1.00	-	13	3.33	1.00	-	13	3.33	1.00	43
2		40	40	-	5.33	1.00	-	40	5.33	1.00	-	40	5.33	1.00	213
3		31	31	-	10.00	1.00	-	31	10.00	1.00	-	31	10.00	1.00	310
4		41	41	-	16.67	1.00	-	41	16.67	1.00	-	41	16.67	1.00	683
6		5	5	-	33.33	1.00	-	5	33.33	1.00	-	5	33.33	1.00	167
8		2	2	-	53.33	1.00	-	2	53.33	1.00	-	2	53.33	1.00	107
10		-	-	-	76.67	1.00	-	-	76.67	1.00	-	-	76.67	1.00	-
12		-	-	-	143.33	1.00	-	-	143.33	1.00	-	-	143.33	1.00	-
Total Monthly Customers		147	147	-	-	-	-	147	-	-	-	147	-	-	1,546

CITY AND COUNTY OF BROOMFIELD, CO
Reclaimed Water Max Day/Hour Allocation Factors - Test Year FY 2023

	[A]	[B]	[C]	[D]	[E]	[F]	[G]	[H]	[I]	
Line No:	Description	Flow	Peak Month (kgals)	Average Month (kgals)	Max Day/Avg Day Factor	Max Day Total Capacity (kgals/Day)	Max Day Extra Capacity (kgals/Day)	Max Hour Capacity Factor	Max Hour Total Capacity (kgals/Day)	Max Hour Extra Capacity (kgals/Day)
Operating Statistics:		MGD	Factor							
1	Avg Day Flow (MGD)	1.00	1.00							
2	Max Day Flow (MGD)	2.00	2.00							
3	Max Hour Flow (MGD)	3.00	3.00							
Cost Allocation Factors:		Base	Max Day	Max Hour						
4	Base/Max Day	50.00%	50.00%	0.00%						
5	Base/Max Day/Max Hour	33.33%	33.33%	33.33%						
Peaking Factors:										
Reuse Inside					[B] / [C]			[D] * [B3 / B2]		
6	All Flow	207,746	67,927	3.06				4.59		
					Maximum Day		Maximum Hour			
					[D] x [B]	[E] - [B]	[G] x [B]		[H] - [E]	
Estimated Max Day/Hour Flows:		Total Annual Flow (kgals)	Average Daily Flow (kgals)	Peaking Factor		Total Capacity	Extra Capacity	Peaking Factor	Total Capacity	Extra Capacity
Reuse Inside										
7	All Flow	915,879	2,509	3.06		7,674	5,165	4.59	11,511	3,837
8	Total	915,879	2,509			7,674	5,165		11,511	3,837

CITY AND COUNTY OF BROOMFIELD, CO
Reclaimed Water Units of Service by Cost Component - Test Year 2023

Line No:	Description	[A] ERUs	[B] Accounts	[C] Base (kgals)	[D] Max Day (kgals/Day)	[E] Max Hour (kgals/Day)
	Reuse Inside	1,546	147			
1	All Flow			915,879	5,165	3,837
2	Total	1,546	147	915,879	5,165	3,837

CITY AND COUNTY OF BROOMFIELD, CO
Allocation of Reclaimed Water Costs - Test Year 2023

Line No:	Description	Water Costs	Extra Capacity			Meters & Services	Billing & Collection	Total
			Base	Max Day	Max Hour			
Allocation Factors:								
1	Treatment		50.00%	50.00%	0.00%	0.00%	0.00%	100.00%
2	Transmission & Distribution		33.33%	33.33%	33.33%	0.00%	0.00%	100.00%
3	Pumping		50.00%	50.00%	0.00%	0.00%	0.00%	100.00%
4	Customer Service		0.00%	0.00%	0.00%	91.32%	8.68%	100.00%
5	Admin		0.00%	0.00%	0.00%	91.32%	8.68%	100.00%
6	Source of Supply		100.00%	0.00%	0.00%	0.00%	0.00%	100.00%
7	Transfers		75.00%	0.00%	0.00%	25.00%	0.00%	100.00%
8	Existing Bond DS		0.00%	0.00%	0.00%	100.00%	0.00%	100.00%
9	New Bond DS		0.00%	0.00%	0.00%	100.00%	0.00%	100.00%
10	CIP		63.52%	0.00%	0.00%	36.48%	0.00%	100.00%
11	Capital Outlay		0.00%	0.00%	0.00%	100.00%	0.00%	100.00%
Allocation of Costs:								
12	Treatment	\$ 785,485	\$ 392,743	\$ 392,742	\$ -	\$ -	\$ -	\$ 785,485
13	Transmission & Distribution	-	-	-	-	-	-	-
14	Pumping	-	-	-	-	-	-	-
15	Customer Service	-	-	-	-	-	-	-
16	Admin	-	-	-	-	-	-	-
17	Source of Supply	160,614	160,614	-	-	-	-	160,614
18	Transfers	89,161	66,871	-	-	22,290	-	89,161
19	Existing Bond DS	-	-	-	-	-	-	-
20	New Bond DS	-	-	-	-	-	-	-
21	CIP	498,130	316,412	-	-	181,718	-	498,130
22	Capital Outlay	-	-	-	-	-	-	-
23	Non-Rate Rev & Fund Bal	62,879	38,408	16,105	-	8,366	-	62,879
24	Total	\$ 1,596,269	\$ 975,048	\$ 408,847	\$ -	\$ 212,374	\$ -	\$ 1,596,269
Units of Service			915,879.00	5,164.94	3,837.10	18,556.00	1,764.00	
			kgals	kgals/Day	kgals/Day	ERUs/Year	Bills/Year	
Cost Per Unit			\$ 1.0646	\$ 79.1582	\$ -	\$ 11.4450	\$ -	
			kgals	kgals/Day	kgals/Day	ERU	Bill	

CITY AND COUNTY OF BROOMFIELD, CO
Reclaimed Water Cost of Service by Cost Component and Customer Class - Test Year 2023

		[A]	[B]	[C]	[D]	[E]	[F]
Line No:	Description	ERUs	Accounts	Base (kgals)	Max Day (kgals/Day)	Max Hour (kgals/Day)	Total
	Reuse Inside	\$ 212,374	\$ -	\$ 975,048	\$ 408,847	\$ -	\$ 1,596,269
1	All Flow			\$ 975,048	\$ 408,847	\$ -	
2	Total	\$ 212,374	\$ -	\$ 975,048	\$ 408,847	\$ -	\$ 1,596,269

**CITY AND COUNTY OF BROOMFIELD, CO
Reclaimed Water Rate Calculation - Test Year 2023**

		[A]	[B]	[C]	[D]	[E]	[F]
Line No:	Description	Capacity Ratio	Meter Charge	Customer Charge	Proposed Charge	Existing Charge	Difference
General Service							
1	3/4 Inch	1.00	\$ 11.45	\$ -	\$ 11.45	\$ 6.96	\$ 4.49
2	1.0 Inch	1.67	\$ 19.08	\$ -	\$ 19.08	\$ 13.89	\$ 5.19
3	1.5 Inch	3.33	\$ 38.15	\$ -	\$ 38.15	\$ 27.80	\$ 10.35
4	2.0 Inch	5.33	\$ 61.04	\$ -	\$ 61.04	\$ 55.59	\$ 5.45
5	3.0 Inch	10.00	\$ 114.45	\$ -	\$ 114.45	\$ 125.09	\$ (10.63)
6	4.0 Inch	16.67	\$ 190.75	\$ -	\$ 190.75	\$ 250.17	\$ (59.42)
7	6.0 Inch	33.33	\$ 381.50	\$ -	\$ 381.50	\$ 653.26	\$ (271.76)
8	8.0 Inch	53.33	\$ 610.40	\$ -	\$ 610.40	\$ 1,389.88	\$ (779.48)
9	10.0 Inch	76.67	\$ 877.45	\$ -	\$ 877.45	\$ 1,389.88	\$ (512.43)

Line No:	Customer Class	Base	Peaking	Proposed Rate (\$/kgals)	Existing Rate (\$/kgals)	Difference	Tier Differential
Reuse Inside							
1	All Flow	\$ 1.06	\$ 0.45	\$ 1.51	\$ 1.68	\$ (0.17)	1.00

Line No:	Customer Class	Annual Use (kgals)	Peaking Costs	Peaking Unit Cost
Reuse Inside				
1	All Flow	915,879	\$ 408,847	\$ 0.45
2	Total	915,879	\$ 408,847	

CITY AND COUNTY OF BROOMFIELD, CO
Reclaimed Water Rate Design and Revenue Requirement Check - Test Year 2023

Reuse Rates - Cost of Service Component **\$1,596,269**

Service Charge, \$ per Bill	Rate	Units	Revenue
0.625 \$	11.45	0	\$0
0.75	11.45	3	412
1.00	19.08	12	2,747
1.50	38.15	13	5,951
2.00	61.04	40	29,299
3.00	114.45	31	42,576
4.00	190.75	41	93,849
6.00	381.50	5	22,890
8.00	610.40	2	14,650
10.00	877.45	0	0

Total Service Charge Revenue **\$212,374**

Volume Charge Revenue to be Recovered \$1,383,895

Block	Gallons	% Volume in Block	Billed Volume	Cumulative Factor	Volume Rate	Rate Revenue
All Flow	Gallons	100.0%	915,879	1.00	\$ 1.51	\$1,383,895
Total		100%	915,879			\$1,383,895
Factor Adjusted Flow			915,879			

APPENDIX F

Water License Fee

City and County of Broomfield
Rate and License Fee Study
Water Fixed Assets by Valuation Method

Item	Backbone Facilities (1 or 0)	Plant Assets	Date Acquired	Useful Life	Current Year	Cost Index	Depreciation to Date	Original Cost	Book Value	Replacement Cost New	Replacement Cost New Less Depreciation
Local Stor Reservoir Land	1	Land	12/31/00		2021	1.000	0	2,202,512	2,202,512	2,202,512	2,202,512
Land Acquisition/WTP	1	Land	12/31/02		2021	1.000	0	2,004,189	2,004,189	2,004,189	2,004,189
2005 521 Acres for Broomfield Reservoir	1	Land	12/31/05		2021	1.000	0	21,000,195	21,000,195	21,000,195	21,000,195
2008 Service Center Land - 1.44 AC	1	Land	12/31/06		2021	1.000	0	65,000	65,000	65,000	65,000
Palisades Easement ROW	1	Land	12/31/17		2021	1.000	0	7,927	7,927	7,927	7,927
Landscaping - Zumi Chlorine Station	1	Land	12/31/17		2021	1.000	10,818	54,088	43,271	54,088	43,271
Sheridan Blvd/Midway Intersection Improvements - Landscaping	1	Land	12/31/20		2021	1.000	0	22,642	22,642	22,642	22,642
1995 RESERVOIR--SPILLWAY IMPROVEMENTS	1	Land	12/31/95		2021	1.000	14,694	23,478	8,784	23,478	8,784
WALNUT CREEK DIVERSION CANAL	1	Land	12/31/89		2021	1.000	131,454	171,686	40,232	171,686	40,232
Walnut Creek Sampling Station & Autosampler	1	Land	12/20/89		2021	1.000	31,155	40,670	9,514	40,670	9,514
1989 GREAT WESTERN RESERVOIR UPGRADE	1	Land	12/31/89		2021	1.000	30,200	38,916	8,715	38,916	8,715
WELLS--OLD BROOMFIELD	1	Land	12/31/88		2021	1.000	13,649	13,649	0	13,649	0
WELL & WELL EQUIPMENT	1	Land	12/31/88		2021	1.000	62,166	62,166	0	62,166	0
GREAT WESTERN RESERVOIR	1	Land	12/31/88		2021	1.000	1,067,487	1,067,487	0	1,067,487	0
CLEAR WATER STORAGE TANKS	1	Land	12/31/88		2021	1.000	974,206	974,206	0	974,206	0
2002 LEGAL/BACK TAXES FOR CBT	1	Land	12/31/02		2021	1.000	0	1,447,181	1,447,181	1,447,181	1,447,181
Sienna Dam	1	Land	12/31/14		2021	1.000	341,011	2,046,062	1,705,051	2,046,062	1,705,051
Sienna Reservoir	1	Land	12/31/14		2021	1.000	0	1,793,241	1,793,241	1,793,241	1,793,241
1995 RESERVOIR--SPILLWAY IMPROVEMENTS	1	Land	12/31/95		2021	1.000	14,694	23,478	8,784	23,478	8,784
WALNUT CREEK DIVERSION CANAL	1	Land	12/31/89		2021	1.000	131,454	171,686	40,232	171,686	40,232
Walnut Creek Sampling Station & Autosampler	1	Land	12/20/89		2021	1.000	31,155	40,670	9,514	40,670	9,514
1989 GREAT WESTERN RESERVOIR UPGRADE	1	Land	12/31/89		2021	1.000	30,200	38,916	8,715	38,916	8,715
WELLS--OLD BROOMFIELD	1	Land	12/31/88		2021	1.000	13,649	13,649	0	13,649	0
WELL & WELL EQUIPMENT	1	Land	12/31/88		2021	1.000	62,166	62,166	0	62,166	0
GREAT WESTERN RESERVOIR	1	Land	12/31/88		2021	1.000	1,067,487	1,067,487	0	1,067,487	0
CLEAR WATER STORAGE TANKS	1	Land	12/31/88		2021	1.000	974,206	974,206	0	974,206	0
2002 LEGAL/BACK TAXES FOR CBT	1	Land	12/31/02		2021	1.000	0	1,447,181	1,447,181	1,447,181	1,447,181
2007 Windy Gap Reservoir	1	Land	12/31/07		2021	1.000	0	2,452,230	2,452,230	2,452,230	2,452,230
2008 Windy Gap Reservoir	1	Land	12/31/08		2021	1.000	0	289,057	289,057	289,057	289,057
2009 Windy Gap Reservoir	1	Land	12/31/09		2021	1.000	0	289,057	289,057	289,057	289,057
2010 Windy Gap Reservoir	1	Land	12/31/10		2021	1.000	192,704	289,057	96,353	289,057	96,353
Palisades Easement ROW	1	Land	12/31/17		2021	1.000	0	7,297	7,297	7,297	7,297
Sheridan Blvd/Midway Intersection Improvements - 6" Concrete Sidewalk	1	Land	12/31/20		2021	1.000	0	50,527	50,527	50,527	50,527
Water System											
Recycle Ctr - Improvements	1	Building	12/31/2012	10	2021	1.18	37,360	37,360	0	44,044	0
WATER LINE--6"-400 FT/6TH & AGATE	1	Transmission	12/31/1996	25	2021	1.90	19,096	20,199	1,103	38,345	2,093
WATER LINE--8"-620 FT/MARBLE STREET	1	Transmission	12/31/1996	25	2021	1.90	27,406	28,988	1,582	55,031	3,003
WATER LINE--8"-1026 FT/OPAL WAY	1	Transmission	12/31/1996	25	2021	1.90	43,585	46,102	2,517	87,520	4,777
WATER LINE--8"-1350 FT/BERYL WAY	1	Transmission	12/31/1996	25	2021	1.90	52,491	55,521	3,031	105,402	5,753
WATER LINE--8"-1527 FT/LAUREL STREET	1	Transmission	12/31/1996	25	2021	1.90	77,326	81,789	4,464	155,269	8,474
WATER LINE--12"-300 FT/4TH & GARNET	1	Transmission	12/31/1996	25	2021	1.90	13,514	14,295	781	27,137	1,482
WATER LINE--12"-1600 FT/W 4TH AVE	1	Transmission	12/31/1996	25	2021	1.90	80,148	84,774	4,627	160,936	8,784
1996 INTERCONNECT VALVE/VAULT	1	Transmission	12/31/1996	30	2021	1.90	14,376	17,939	3,563	34,056	6,764
1996 96TH STREET WATER LINE--1-20" LINE-5,280 FT	1	Transmission	12/31/1996	30	2021	1.90	175,631	219,144	43,513	416,023	82,605
1996 TELEMETRY SYS IMPR-NEW SVC CTR-INCL ANTENNAS	1	Building	12/31/1996	30	2021	1.90	14,957	18,663	3,706	35,431	7,036
1996 UTIL INSTL SOUTH OF 120TH--10" WTR LN-2003 FT	1	Transmission	12/31/1996	25	2021	1.90	92,210	95,843	3,633	181,948	6,897
1996 PUBL IMPR ACCEPT/WESTLK VILLAGE FILING 6	1	Transmission	12/31/1996	25	2021	1.90	31,034	32,257	1,223	61,237	2,322
1996 PUBL IMPR ACCEPT/INTERLOCKEN FILING 4, PHS 2A	1	Transmission	12/31/1996	25	2021	1.90	1,516,805	1,576,565	59,760	2,992,952	113,449
1996 PUBLIC IMPR ACCEPT/WILLOW RUN FILING 2, PHS 1	1	Transmission	12/31/1996	25	2021	1.90	28,920	30,060	1,140	57,066	2,164
1996 PUBL IMPR ACCEPT/COUNTRY VISTAS FILING 1	1	Transmission	12/31/1996	25	2021	1.90	87,228	90,665	3,437	172,119	6,524
1996 PUBL IMPR ACCEPT/BRMFLD PROF PARK REPLAT H	1	Transmission	12/31/1996	25	2021	1.90	30,104	31,280	1,176	59,382	2,232
1996 PUBL IMPR ACCEPT/WILLOW RUN FILING 1, PHS 3	1	Transmission	12/31/1996	25	2021	1.90	30,941	32,160	1,219	61,053	2,315
1996 PUB IMPR ACCEPT/INTERLOCKEN FILING 4 PHS 2A	1	Transmission	12/31/1996	25	2021	1.90	423,473	440,158	16,685	835,596	31,674
1996 PUBL IMP ACCEPT/WESTLNK FILING 14-PHS 2-4	1	Transmission	12/31/1996	25	2021	1.90	32,173	33,441	1,268	63,484	2,407
1996 PUBL IMPR ACCEPT/INTERLOCKEN FILING 1 REPLAT	1	Transmission	12/31/1996	25	2021	1.90	54,358	56,500	2,142	107,260	4,067
1996 PUBL IMPR ACCEPT/BOULDER STEEL	1	Transmission	12/31/1996	25	2021	1.90	5,379	5,592	213	10,616	403
1995 WATERLINE DIST SYSTEM- DAPHNE STREET	1	Transmission	12/31/1995	25	2021	2.01	23,000	23,000	0	46,294	0
1995 WATER LINE DISTRIBUTION--135TH AVE-1078 LF	1	Transmission	12/31/1995	25	2021	2.01	70,979	70,979	0	142,863	0
1995 WATER LINE DISTRIBUTION--BIRCH STREET-435 LF	1	Transmission	12/31/1995	25	2021	2.01	28,642	28,642	0	57,649	0
1995 WATER LINE DISTRIBUTION-AGATE WY-1757 LF	1	Transmission	12/31/1995	25	2021	2.01	115,686	115,686	0	232,849	0
1995 WATER LINE DIST-WEST FIRST AVENUE 1055LF	1	Transmission	12/31/1995	25	2021	2.01	69,464	69,464	0	139,815	0
MUNI CENTER BLDG WATER TAP	1	Building	12/31/1995	30	2021	2.01	103,378	123,825	20,447	249,231	41,155

City and County of Broomfield
Rate and License Fee Study
Water Fixed Assets by Valuation Method

Item	Backbone Facilities (1 or 0)	Plant Assets	Date Acquired	Useful Life	Current Year	Cost Index	Depreciation to Date	Original Cost	Book Value	Replacement Cost New	Replacement Cost New Less Depreciation
MIDWAY BLVD DISTRIBUTION SYSTEM	1	Transmission	12/31/1995	0	2021	1.00	0	145,773	145,773	145,773	145,773
1995 CONST COSTS FOR NEW MUNICIPAL BLDG	1	Building	12/31/1995	30	2021	2.01	239,708	287,120	47,412	577,906	95,429
1995 PUBL IMPR ACCEPT/WILLOW RUN FILING 1,PHS 2	1	Transmission	12/31/1995	25	2021	2.01	57,291	57,291	0	115,314	0
1995 PUBL IMPR ACCEPT/MIRAMONTE FARMS FILING 1	1	Transmission	12/31/1995	25	2021	2.01	89,135	89,135	0	179,408	0
BROOMFIELD HIGHLANDS FILING 1 - Water Distribution	1	Transmission	12/31/1995	25	2021	2.01	76,339	76,339	0	153,653	0
BROOMFIELD PROF PARK - Water Distribution	1	Transmission	12/31/1995	25	2021	2.01	56,003	56,003	0	112,721	0
1995 PUBL IMPR ACCEPT/TRAILS@WESTLAKE,FILING 4-3	1	Transmission	12/31/1995	25	2021	2.01	63,983	63,983	0	128,783	0
1995 PUBL IMPR ACCEPT/RIDGEVIEW HEIGHTS-PHASE V	1	Transmission	12/31/1995	25	2021	2.01	64,833	64,833	0	130,494	0
1995 PUBL IMPR ACCEPT/NORTHRIDGE PHASES 1-4	1	Transmission	12/31/1995	25	2021	2.01	80,610	80,610	0	162,249	0
1995 PUBL IMPR ACCEPT/RIDGEVIEW HEIGHTS PHS IVB	1	Transmission	12/31/1995	25	2021	2.01	18,962	18,962	0	38,166	0
1995 PUBL IMPR ACCEPT/WILLOW RUN FILING 1,PHASE 1	1	Transmission	12/31/1995	25	2021	2.01	67,965	67,965	0	136,798	0
1995 PUBL IMPR ACCEPT/COUNTRY EST-FIG 3,PH 5,6,8,9	1	Transmission	12/31/1995	25	2021	2.01	23,041	23,041	0	46,376	0
TRANSMISSION LINE--5550 FT 16"--MIDWAY	1	Transmission	12/31/1994	25	2021	2.05	433,077	433,077	0	888,879	0
DISTRIBUTION LINE--1000 FT 12"--CIVIC CENTER	1	Transmission	12/31/1994	25	2021	2.05	77,384	77,384	0	158,828	0
WILLOW PARK PHASES 1-4,8 - Water Distribution	1	Transmission	12/31/1994	25	2021	2.05	291,264	291,264	0	597,812	0
BROOMFIELD COUNTRY CLUB #8,PHASE 4 - Water Distribution	1	Transmission	12/31/1994	25	2021	2.05	6,790	6,790	0	13,936	0
TRAILS @ WESTLAKE#4,PHASE 2 - Water Distribution	1	Transmission	12/31/1994	25	2021	2.05	74,024	74,024	0	151,932	0
TRAILS @ WESTLAKE #4,PHASE1 - Water Distribution	1	Transmission	12/31/1994	25	2021	2.05	102,351	102,351	0	210,073	0
RISEN SAVIOR LUTHERAN CHURCH - Water Distribution	1	Transmission	12/31/1994	25	2021	2.05	102,514	102,514	0	210,407	0
COUNTRY ESTATES #3 - Water Distribution	1	Transmission	12/31/1994	25	2021	2.05	38,897	38,897	0	79,835	0
RIDGEVIEW HTS PHASE 3 4A - Water Distribution	1	Transmission	12/31/1994	25	2021	2.05	132,504	132,504	0	271,961	0
WESTLAKE #14 - Water Distribution	1	Transmission	12/31/1993	25	2021	2.05	21,576	21,576	0	44,248	0
WESTLAKE #13 - Water Distribution	1	Transmission	12/31/1993	25	2021	2.05	87,051	87,051	0	178,523	0
WESTLAKE #12 - Water Distribution	1	Transmission	12/31/1993	25	2021	2.05	32,760	32,760	0	67,184	0
SAFEWAY #1 - Water Distribution	1	Transmission	12/31/1993	25	2021	2.05	26,705	26,705	0	54,767	0
RIDGEVIEW HGHTS PHASE 3 - Water Distribution	1	Transmission	12/31/1993	25	2021	2.05	40,292	40,292	0	82,631	0
OUTLOOK #6 - Water Distribution	1	Transmission	12/31/1993	25	2021	2.05	52,690	52,690	0	108,057	0
COUNTRY ESTATES #3 PH7 - Water Distribution	1	Transmission	12/31/1993	25	2021	2.05	12,460	12,460	0	25,553	0
COUNTRY ESTATES #3 PH3 - Water Distribution	1	Transmission	12/31/1993	25	2021	2.05	14,162	14,162	0	29,043	0
BROOMFIELD COUNTRY CLUB #9 - Water Distribution	1	Transmission	12/31/1993	25	2021	2.05	19,201	19,201	0	39,377	0
BROOMFIELD COUNTRY CLUB #8 PH5 - Water Distribution	1	Transmission	12/31/1993	25	2021	2.05	11,272	11,272	0	23,117	0
BROOMFIELD COUNTRY CLUB #8 PHASE2 - Water Distribution	1	Transmission	12/31/1993	25	2021	2.05	18,781	18,781	0	38,516	0
93 PUBLIC IMPR ACCEPT/BRMF CCLUB #8-PH3	1	Transmission	12/31/1993	25	2021	2.05	24,333	24,333	0	49,903	0
92 CARBON ROAD 30" LINE RELOCATE	1	Transmission	12/31/1992	25	2021	2.15	59,890	59,890	0	128,538	0
92 PUBLIC IMP ACCEPT/WESTLAKE VILLAGE--FILING11	1	Transmission	12/31/1992	25	2021	2.15	43,450	43,450	0	93,254	0
92 PUBLIC IMP ACCEPT/TRAILS AT WESTLAKE-FILING 2	1	Transmission	12/31/1992	25	2021	2.15	55,826	55,826	0	119,815	0
92 PUBLIC IMP ACCEPT/THE OUTLOOK-FILING 5	1	Transmission	12/31/1992	25	2021	2.15	15,151	15,151	0	32,517	0
92 PUBLIC IMP ACCEPT/BRFLD CCLUB	1	Transmission	12/31/1992	25	2021	2.15	88,503	88,503	0	189,946	0
INTERLOCKEN PUMP STATION-1991 DISTRIBUTION SYSTEM	1	Transmission	9/12/1991	25	2021	2.21	15,434	15,434	0	34,179	0
CINDERBLOCK BUILDING (AERATION EQUIP HOUSE)	1	Plant	8/8/1991	30	2021	2.21	8,892	9,070	178	20,086	395
Sunridge II - Water Dist Lines	1	Transmission	12/31/1991	25	2021	2.21	56,463	56,463	0	125,041	0
PUBLIC IMPROVE MILE HI WATER CO	1	Transmission	12/31/1991	25	2021	2.21	123,778	123,778	0	274,114	0
Highland Park S. Filing #2 - Water Dist Lines	1	Transmission	12/31/1991	25	2021	2.21	112,433	112,433	0	248,989	0
PUBLIC IMP--TRAILS @ WESTLAKE 1990 DISTRIBUTION	1	Transmission	12/31/1990	25	2021	2.24	155,312	155,312	0	348,368	0
PUBLIC IMP--CRYSTAL PINES 1990 DISTRIBUTION LINES	1	Transmission	12/31/1990	25	2021	2.24	40,971	40,971	0	91,899	0
PUBLIC IMP--COUNTRY ESTATES 1990 WATER DISTRIBUTIO	1	Transmission	12/31/1990	25	2021	2.24	53,292	53,292	0	119,535	0
MILE HIGH WATER MAIN PROJ(90)	1	Transmission	11/21/1990	30	2021	2.24	243,795	243,795	0	546,836	0
WATER MASTER PLAN PROJ(90)	1	Transmission	12/31/1990	30	2021	2.24	149,315	149,315	0	334,917	0
SYSTEM WIDE TELEMETRY PROJ(90)	1	Transmission	8/7/1990	30	2021	2.24	10,256	10,258	2	23,009	4
1989 WATER LINE PROJECTS	1	Transmission	12/31/1989	30	2021	2.26	243,795	243,795	0	550,803	0
1989 SYSTEM TELEMETERING PROJECT	1	Transmission	12/31/1989	30	2021	2.26	149,315	149,315	0	337,347	0
LAC AMORA PRESSURE REGULATING VALVES PROJECT	1	Transmission	10/25/1989	25	2021	2.26	22,510	22,510	0	50,857	0
DISTRIBUTION--BRANDYWINE FILING #7	1	Transmission	12/31/1989	25	2021	2.26	94,517	94,517	0	213,541	0
DISTRIBUTION-HUNTER DOUGLAS	1	Transmission	12/31/1989	25	2021	2.26	58,602	58,602	0	132,399	0
RAW WATER PUMPING PLANT	1	Plant	12/31/1988	12	2021	2.33	383,992	383,992	0	892,931	0
WATER TREATMENT--OLD BROOMFIELD	1	Plant	12/31/1988	5	2021	2.33	17,558	17,558	0	40,829	0
WATER PLANT-112TH & SIMMS	1	Plant	12/31/1988	14	2021	2.33	3,582,314	3,582,314	0	8,330,282	0
WATER TRANSMISSION LINES	1	Transmission	12/31/1988	25	2021	2.33	7,242,501	7,242,501	0	16,841,651	0
YOKES, PIT COVERS, METERS	1	Transmission	12/31/1988	12	2021	2.33	585,676	585,676	0	1,361,927	0
WATER DISTRIBUTION SYSTEM	1	Transmission	12/31/1988	14	2021	2.33	1,677,165	1,677,165	0	3,900,065	0
WATER DISTRIBUTION SYSTEM--OLD BROOMFIELD	1	Transmission	12/31/1988	5	2021	2.33	32,221	32,221	0	74,928	0
1997 PUBL IMPR ACCEPT/WILLOW PARK	1	Transmission	12/31/1997	25	2021	1.90	141,182	154,018	12,836	292,715	24,395
1997 PUBL IMPR ACCEPT/RIDGEVIEW HEIGHTS, PHS VI	1	Transmission	12/31/1997	25	2021	1.90	55,363	60,396	5,033	114,784	9,565
1997 PUBL IMPR ACCEPT/CIRRUS LOGIC, SITEWIDE	1	Transmission	12/31/1997	25	2021	1.90	25,541	27,863	2,322	52,954	4,413

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1997 PUBL IMPR ACCEPT/VILLAGE SQUARE, SITEWIDE	1	Transmission	12/31/1997	25	2021	1.90	32,853	35,840	2,987	68,115	5,676
1997 PUBL IMPR ACCEPT/WILLOW PARK	1	Transmission	12/31/1997	25	2021	1.90	78,430	85,561	7,131	162,611	13,553
1997 PUBL IMPR ACCEPT/BRANDYWINE, FILING 5	1	Transmission	12/31/1997	25	2021	1.90	48,141	52,518	4,377	99,812	8,318
1997 PUBL IMPR ACCEPT/BRANDYWINE, FILING 6	1	Transmission	12/31/1997	25	2021	1.90	72,743	79,356	6,613	150,818	12,568
1997 WATER LINE REPL	1	Transmission	12/31/1997	25	2021	1.90	125,462	137,367	11,905	261,070	22,626
1997 SYSTEM WIDE TELEMTRY	1	Transmission	12/31/1997	25	2021	1.90	11,196	12,259	1,063	23,299	2,021
1997 WATER TREATMENT PLANT STARTUP	1	Plant	12/31/1997	14	2021	1.90	40,962	40,962	0	77,850	0
2002 WATER TREATMENT PLANT	1	Plant	12/31/2002	30	2021	1.73	8,818,819	14,630,300	5,811,480	25,372,713	10,078,606
EQUIPTO MOBILE STORAGE UNIT, TUFFDECK & SHELVING	1	Building	4/15/1998	5	2021	1.84	9,332	9,332	0	17,175	0
1998 WATER LINE REPL	1	Transmission	12/31/1998	25	2021	1.84	400,563	458,660	58,097	844,181	106,930
1998 SYSTEM WIDE TELEMTRY	1	Transmission	12/31/1998	25	2021	1.84	7,637	8,746	1,109	16,097	2,041
1998 PUBLIC IMPR ACCEPTANCE-NORTHMOOR FILING #8	1	Transmission	12/31/1998	25	2021	1.84	21,846	25,015	3,169	46,041	5,833
1998 PUBLIC IMPR ACCEPTANCE-COUNTRY VISTAS FLG #1	1	Transmission	12/31/1998	25	2021	1.84	45,386	51,970	6,584	95,653	12,118
1998 PUBLIC IMPR ACCEPTANCE-INTERLOCKEN FLG #4	1	Transmission	12/31/1998	25	2021	1.84	241,341	276,346	35,004	508,624	64,427
1998 PUBLIC IMPR ACCEPTANCE-PARK PLAZA, REPL D&E	1	Transmission	12/31/1998	25	2021	1.84	29,944	34,288	4,344	63,108	7,995
1998 PUBLIC IMPR ACCEPTANCE-INTERLOCKEN #4	1	Transmission	12/31/1998	25	2021	1.84	41,577	47,607	6,031	87,623	11,100
1998 PUBLIC IMPR ACCEPTANCE-ENVIROTEST	1	Transmission	12/31/1998	25	2021	1.84	9,724	11,135	1,411	20,493	2,596
1998 PUBLIC IMPR ACCEPTANCE-INTERLOCKEN FLG #8	1	Transmission	12/31/1998	25	2021	1.84	52,565	60,190	7,625	110,782	14,034
1998 PUBLIC IMPR ACCEPT--COUNTRY ESTATES FLG #4&5	1	Transmission	12/31/1998	25	2021	1.84	20,158	23,083	2,925	42,485	5,383
1998 PUBLIC IMPR ACCEPTANCE-WILLOW RUN PHASE I	1	Transmission	12/31/1998	25	2021	1.84	8,528	9,765	1,237	17,973	2,277
1998 PUBLIC IMPR ACCEPT--WILLOW RUN PHASE II	1	Transmission	12/31/1998	25	2021	1.84	24,172	27,678	3,506	50,942	6,453
1998 PUBLIC IMPR ACCEPTANCE--WESTLAKE BREAKPLACE	1	Transmission	12/31/1998	25	2021	1.84	2,182	2,500	318	4,601	584
1999 PUBLIC IMPR ACC--RENTAL CITY	1	Transmission	12/31/1999	25	2021	1.83	9,849	11,680	1,831	21,363	3,348
1999 PUBLIC IMPR ACC--BROADLANDS FILING 2	1	Transmission	12/31/1999	25	2021	1.83	58,076	68,866	10,790	125,959	19,735
1999 PUBLIC IMPR ACC--CORPORATE EXPRESS	1	Transmission	12/31/1999	25	2021	1.83	76,344	90,527	14,183	165,577	25,941
1999 PUBLIC IMPR ACC--INTERLOCKEN FILING 9	1	Transmission	12/31/1999	25	2021	1.83	828,158	982,006	153,848	1,796,127	281,395
1999 PUBLIC IMPR ACC--BROOMFIELD TOWN CENTRE	1	Transmission	12/31/1999	25	2021	1.83	267,534	317,234	49,700	580,233	90,904
1999 PUBLIC IMPR ACC--BROOMFIELD BANKING CENTER	1	Transmission	12/31/1999	25	2021	1.83	4,637	5,500	863	10,060	1,578
1999 PUBLIC IMPR ACC--INTERLOCKEN FILING 4/DIV IV	1	Transmission	12/31/1999	25	2021	1.83	457,857	542,913	85,056	993,009	155,571
1999 PUBLIC IMPR ACC--BROADLANDS FILING 1	1	Transmission	12/31/1999	25	2021	1.83	87,836	104,154	16,317	190,501	29,845
1999 PUBLIC IMPR ACC--BROADLANDS FILING 3, PHS 1-2	1	Transmission	12/31/1999	25	2021	1.83	90,694	107,543	16,849	196,700	30,817
1999 PUBLIC IMPR ACC--MIRAMONTE FARMS,FLG 3,PHS1-2	1	Transmission	12/31/1999	25	2021	1.83	138,601	164,350	25,749	300,603	47,096
1999 WATER LINE REPL EXT & PAR	1	Transmission	12/31/1999	25	2021	1.83	513,303	608,660	95,357	1,113,263	174,411
1999 SYSTEM WIDE TELEMTRY	1	Transmission	12/31/1999	25	2021	1.83	10,811	12,820	2,009	23,448	3,675
1999 WATER STG RTS--PLASTER RESV	1	Transmission	12/31/1999	25	2021	1.83	82,320	98,000	15,680	179,246	28,680
2000 PUBLIC IMPR ACCEPT-INTERLOCKEN DIV IV INFRASTR	1	Transmission	1/25/2000	25	2021	1.73	169,755	202,089	32,334	348,825	55,812
2000 PUBLIC IMPR ACCEP--BROADLANDS #4-PHS 1	1	Transmission	1/25/2000	25	2021	1.73	98,668	117,463	18,795	202,752	32,442
2000 PUBLIC IMPR ACCEP--BROADLANDS #8, PHS 1	1	Transmission	2/8/2000	25	2021	1.73	72,315	86,432	14,117	149,190	24,368
2000 PUBLIC IMPR ACCEP--BROADLANDS #6	1	Transmission	3/7/2000	25	2021	1.73	82,496	98,602	16,106	170,196	27,800
2000 PUBLIC IMPR ACCEP--BROADLANDS #7	1	Transmission	3/7/2000	25	2021	1.73	133,853	159,985	26,132	276,149	45,106
2000 PUBLIC IMPR ACCEP--US 36/S 96TH ST SUB DIST	1	Transmission	3/28/2000	25	2021	1.73	388,788	466,546	77,759	805,302	134,218
2000 PUBLIC IMPR ACCEP--BROADLANDS W #1, PHS 1	1	Transmission	5/9/2000	25	2021	1.73	171,569	207,544	35,975	358,240	62,096
2000 PUBLIC IMPR ACCEP--BROADLANDS #5	1	Transmission	5/9/2000	25	2021	1.73	120,766	146,089	25,323	252,163	43,710
2000 PUBLIC IMPR ACCEP--ACCESS HEALTH/INTERL PKWY	1	Transmission	5/23/2000	25	2021	1.73	42,490	51,400	8,910	88,721	15,380
2000 PUBLIC IMPR ACCEP--INTERLOCKEN #14	1	Transmission	5/23/2000	25	2021	1.73	151,273	182,991	31,718	315,860	54,749
2000 PUBLIC IMPR ACCEP--INTERLOCKEN #5	1	Transmission	5/23/2000	25	2021	1.73	7,382	8,930	1,548	15,414	2,672
2000 PUBLIC IMPR ACCEP--INTERLOCKEN CONF RESORT	1	Transmission	10/10/2000	25	2021	1.73	110,444	136,350	25,907	235,353	44,717
2000 PUBLIC IMPR ACCEP--US 36/S 96TH ST FLATIRON	1	Transmission	10/24/2000	25	2021	1.73	807,929	997,444	189,515	1,721,682	327,121
2000 PUBLIC IMPR ACCEP--WILLOW RUN #4, PH 1-4	1	Transmission	10/24/2000	25	2021	1.73	136,339	168,320	31,981	290,536	55,202
2000 PUBLIC IMPR ACCEP--WILLOW RUN #5, PH 1-4	1	Transmission	10/24/2000	25	2021	1.73	119,426	147,440	28,014	254,495	48,354
2000 PUBLIC IMPR ACCEP--SUN MICROSYS COLO CAMPUS	1	Transmission	11/14/2000	25	2021	1.73	230,665	285,949	55,284	493,575	95,426
2000 PUBLIC IMPR ACCEP--TOWNE PLACE SUITES	1	Transmission	11/14/2000	25	2021	1.73	32,880	40,760	7,880	70,356	13,602
2000 PUBLIC IMPR ACCEP--JEFFCO BUSINESS CTR	1	Transmission	12/5/2000	25	2021	1.73	202,652	252,265	49,612	435,432	85,636
2000 WATER LINE REPL	1	Transmission	12/31/2000	25	2021	1.73	484,494	603,106	118,611	1,041,017	204,734
2000 136TH AVE 12" WATER LINE	1	Transmission	12/31/2000	25	2021	1.73	48,400	60,249	11,849	103,995	20,452
Storage Tent (50 X 170) Utilities SVC #1	1	Building	9/7/2001	30	2021	1.76	83,373	129,932	46,559	229,260	82,153
CONST OF STORAGE STRUCTURE	1	Building	9/10/2001	25	2021	1.76	112,091	144,945	32,854	255,750	57,970
ELECTRICAL TO STRUCTURE	1	Building	8/1/2001	25	2021	1.76	9,474	12,221	2,747	21,564	4,848
INSTL ELECTRICAL STORAGE	1	Building	8/15/2001	25	2021	1.76	9,215	11,916	2,701	21,025	4,766
ENGINEERING FOR STORAGE STRUCTURE	1	Building	9/1/2001	25	2021	1.76	2,177	2,828	651	4,990	1,148
ADD'L ELECTRICAL AT STORAGE STRUCTURE	1	Building	11/1/2001	25	2021	1.76	5,243	6,839	1,596	12,067	2,816
ADD'L ELECTRICAL FOR STORAGE STRUCTURE	1	Building	10/3/2001	25	2021	1.76	840	1,091	251	1,924	443
2001 PUBLIC IMPR ACCEP--BROADLANDS #9	1	Transmission	12/11/2001	25	2021	1.76	195,761	256,456	60,695	452,508	107,095
2001 PUBLIC IMPR ACCEP--BROADLANDS #4	1	Transmission	12/11/2001	25	2021	1.76	70,227	92,001	21,774	162,333	38,419

City and County of Broomfield
 Rate and License Fee Study
 Water Fixed Assets by Valuation Method

Item	Backbone Facilities (1 or 0)	Plant Assets	Date Acquired	Useful Life	Current Year	Cost Index	Depreciation to Date	Original Cost	Book Value	Replacement Cost New	Replacement Cost New Less Depreciation
2001 PUBLIC IMP ACCEPT-WILLOW RUN #5/#3	1	Transmission	12/11/2001	25	2021	1.76	247,380	324,079	76,700	571,827	135,334
2001 PUBLIC IMP ACCEPT-BROADLANDS WEST #1	1	Transmission	12/11/2001	25	2021	1.76	94,613	123,948	29,334	218,702	51,759
2001 PUBLIC IMP ACCEPT-MCKAY LANDING #1	1	Transmission	12/11/2001	25	2021	1.76	693,616	908,667	215,051	1,603,311	379,450
2001 PUBLIC IMP ACCEPT-MTN VIEW CORP CTR/JEFFCO	1	Transmission	11/27/2001	25	2021	1.76	85,689	111,768	26,079	197,211	46,016
2001 PUBLIC IMP ACCEPT-ASPEN CREEK #3	1	Transmission	6/5/2001	25	2021	1.76	239,258	305,436	66,178	538,931	116,768
2001 PUBLIC IMP ACCEPT-MTN VIEW CORP/LINCOLN SPT	1	Transmission	5/15/2001	25	2021	1.76	316,458	402,278	85,820	709,805	151,426
2001 WATER LINE REPL/EXT	1	Transmission	12/31/2001	25	2021	1.76	719,895	943,094	223,199	1,664,056	393,827
2002 WL REPL/EXT	1	Transmission	12/31/2002	25	2021	1.73	404,613	559,373	154,760	970,097	268,394
2003 WATER LINE REPL ADDITION	1	Transmission	12/31/2003	25	2021	1.64	651,798	953,851	302,053	1,564,797	495,520
2001 JEFFCO AIRPORT/INTERLOCKEN PRIOR TO 2001	1	Transmission	1/1/2001	25	2021	1.76	303,004	377,184	74,180	665,528	130,888
2001 SYSTEM WIDE TELEMETRY	1	Transmission	12/31/2001	25	2021	1.76	7,555	9,941	2,386	17,540	4,210
2002 SYSTEM WIDE TELEMETRY	1	Transmission	12/31/2002	25	2021	1.73	5,968	8,250	2,283	14,308	3,959
2002 WATER LINE	1	Transmission	12/31/2002	25	2021	1.73	78,121	108,002	29,881	187,304	51,821
CARBON ROAD PUMP STATION #1	1	Transmission	12/31/2002	25	2021	1.73	747,226	1,033,031	285,806	1,791,543	495,660
2002 WATER PLANT EXPANSION	1	Plant	12/31/2002	30	2021	1.73	6,526,553	10,827,462	4,300,909	18,777,613	7,458,886
2002 PLANT EXPANSION/DESIGN	1	Plant	12/31/2002	30	2021	1.73	6,406	10,628	4,222	18,432	7,322
2002 ADDITIONS-PLANT EXP/DESIGN	1	Plant	12/31/2005	40	2021	1.48	55,901	148,246	92,345	219,712	136,862
2002 GWR PROJECT/RAW WATER PIPELINE	1	Transmission	12/31/2002	25	2021	1.73	12,649,167	17,487,328	4,838,161	30,327,537	8,390,619
2002 GW PROJECT/TREATED WATER PIPELINE	1	Transmission	12/31/2002	25	2021	1.73	4,056,452	5,607,999	1,551,546	9,725,716	2,690,782
2002 GW PROJECT/EQUALIZATION STORAGE	1	Transmission	12/31/2002	25	2021	1.73	312,475	431,993	119,518	749,187	207,276
2002 GW PROJECT/DRY CREEK VALLEY DITCH BY PASS	1	Transmission	12/31/2002	25	2021	1.73	147,956	204,548	56,592	354,739	98,145
2002 PUBLIC IMPR ACCEPT-FLATIRON MARKETPLACE #1	1	Transmission	1/8/2002	25	2021	1.73	421,914	555,150	133,236	962,773	231,066
2002 PUBLIC IMPR ACCEPT--MIRAMONTE FARMS #4 & #6	1	Transmission	1/8/2002	25	2021	1.73	134,228	176,617	42,389	306,299	73,513
2002 PUBLIC IMPR ACCEPT--BROADLANDS #3	1	Transmission	1/8/2002	25	2021	1.73	56,253	74,018	17,764	128,365	30,808
2002 PUBLIC IMPR ACCEPT--BROADLANDS #11	1	Transmission	1/8/2002	25	2021	1.73	40,208	52,905	12,697	91,751	22,020
2002 PUBLIC IMPR ACCEPT-SUN MICROSYSTEMS PHS 2	1	Transmission	1/22/2002	25	2021	1.73	44,060	57,974	13,914	100,542	24,130
2002 PUBLIC IMP ACCEPT-MIDCITIES METRO DIST 1	1	Transmission	2/12/2002	25	2021	1.73	163,590	216,198	52,608	374,943	91,236
2002 PUBLIC IMP ACCEPT--BROOMFIELD CORP CTR	1	Transmission	4/9/2002	25	2021	1.73	150,869	201,160	50,291	348,863	87,217
2002 PUBLIC IMP ACCEPT--THE RIDGE @BRMFLD-LEVEL 3	1	Transmission	5/14/2002	25	2021	1.73	831,899	1,114,151	282,252	1,932,225	489,497
2002 PUBLIC IMP ACCEPT--BROADLANDS FILING 12/PHS 1	1	Transmission	6/4/2002	25	2021	1.73	203,394	273,624	70,230	474,535	121,798
2002 PUBLIC IMP ACCEPT--W 144TH & LOWELL INT/PHS 2	1	Transmission	6/25/2002	25	2021	1.73	13,236	17,807	4,571	30,882	7,927
2002 PUBLIC IMP ACCEPT-MIDCITIES FILING 6	1	Transmission	8/13/2002	25	2021	1.73	278,104	377,518	99,414	654,714	172,409
2002 PUBLIC IMP ACCEPT--BROADLANDS FILING 10	1	Transmission	8/13/2002	25	2021	1.73	205,733	279,276	73,543	484,337	127,542
2002 PUBLIC IMP ACCEPT--MC KAY LANDING FILING 1	1	Transmission	8/13/2002	25	2021	1.73	29,036	39,416	10,380	68,358	18,001
2002 PUBLIC IMP ACCEPT--COUNTRY ESTATES,FILING 8	1	Transmission	8/27/2002	25	2021	1.73	16,582	22,510	5,928	39,038	10,281
2002 PUBLIC IMP ACCEPT--ASPEN CREEK #4	1	Transmission	9/10/2002	25	2021	1.73	93,529	127,540	34,011	221,187	58,985
2002 PUBLIC IMP ACCEPT--ASPEN CREEK #5	1	Transmission	9/10/2002	25	2021	1.73	188,070	256,460	68,390	444,768	118,605
2002 PUBLIC IMP ACCEPT--ASPEN CREEK #6	1	Transmission	9/10/2002	25	2021	1.73	87,508	119,330	31,822	206,949	55,187
2002 PUBLIC IMP ACCEPT--MIRAMONTE FARMS #7	1	Transmission	9/10/2002	25	2021	1.73	70,832	96,590	25,758	167,512	44,670
2002 PUBLIC IMP ACCEPT--MIDCITIES FILING 1/2	1	Transmission	9/10/2002	25	2021	1.73	118,066	161,000	42,934	279,216	74,458
2002 PUBLIC IMP ACCEPT--RISEN SAVIOR LUTHERAN CH	1	Transmission	10/22/2002	25	2021	1.73	13,921	19,070	5,149	33,072	8,930
2002 PUBLIC IMP ACCEPT--GWP/MCDATA BLDG #3A	1	Transmission	10/22/2002	25	2021	1.73	251,211	344,125	92,914	596,802	161,138
2002 PUBLIC IMP ACCEPT--BROADLANDS FILING 14 UTIL	1	Transmission	11/26/2002	25	2021	1.73	161,024	221,593	60,569	384,299	105,043
2002 PUBLIC IMP ACCEPT--BROADLANDS FILING 15-UTIL	1	Transmission	11/26/2002	25	2021	1.73	87,255	120,076	32,822	208,243	56,921
2002 PUBLIC IMP ACCEPT--ASPEN CREEK FILING 7-UTIL	1	Transmission	12/10/2002	25	2021	1.73	232,014	320,757	88,743	556,275	153,903
2002 PUBLIC IMP ACCEPT--WALGREEN'S @ FLATIRONS	1	Transmission	12/10/2002	25	2021	1.73	2,170	3,000	830	5,203	1,439
2002 PUBLIC IMP ACCEPT--MCKAY LANDING FILING 2	1	Transmission	12/17/2002	25	2021	1.73	340,861	471,238	130,377	817,248	226,107
CARBON ROAD PUMP STATION #1	1	Building	12/31/2002	15	2021	1.73	86,755	86,755	0	150,456	0
2003 REPL WATER LINE-INDUSTRIAL LANE	1	Transmission	12/31/2003	25	2021	1.64	285,065	417,169	132,104	684,368	216,718
2003 2ND SUNNY SLOPE TIE-IN	1	Transmission	12/31/2003	25	2021	1.64	41,992	61,453	19,461	100,814	31,926
2003 SUNNY SLOPE LINE REPLACEMENT	1	Transmission	12/31/2003	25	2021	1.64	479,898	702,290	222,392	1,152,110	364,835
ADDITIONS TO SUNNY SLOPE LINE REPL	1	Transmission	12/31/2012	15	2021	1.18	20,279	38,024	17,745	44,826	20,919
2003 MUNICIPAL BLDG REMODEL	1	Building	12/31/2003	30	2021	1.64	166,962	293,202	126,240	480,999	207,097
2002 GWR PROJECT/RAW WATER PIPELINE	1	Transmission	12/31/2002	25	2021	1.73	12,649,167	17,487,328	4,838,161	30,327,537	8,390,619
2002 GW PROJECT/TREATED WATER PIPELINE	1	Transmission	12/31/2002	25	2021	1.73	4,056,452	5,607,999	1,551,546	9,725,716	2,690,782
2002 GW PROJECT/EQUALIZATION STORAGE	1	Transmission	12/31/2002	25	2021	1.73	312,475	431,993	119,518	749,187	207,276
2002 GW PROJECT/DRY CREEK VALLEY DITCH BY PASS	1	Transmission	12/31/2002	25	2021	1.73	147,956	204,548	56,592	354,739	98,145
2002 PUBLIC IMPR ACCEPT-FLATIRON MARKETPLACE #1	1	Transmission	1/8/2002	25	2021	1.73	421,914	555,150	133,236	962,773	231,066
2002 PUBLIC IMPR ACCEPT--MIRAMONTE FARMS #4 & #6	1	Transmission	1/8/2002	25	2021	1.73	134,228	176,617	42,389	306,299	73,513
2002 PUBLIC IMPR ACCEPT--BROADLANDS #3	1	Transmission	1/8/2002	25	2021	1.73	56,253	74,018	17,764	128,365	30,808
2002 PUBLIC IMPR ACCEPT--BROADLANDS #11	1	Transmission	1/8/2002	25	2021	1.73	40,208	52,905	12,697	91,751	22,020
2002 PUBLIC IMPR ACCEPT-SUN MICROSYSTEMS PHS 2	1	Transmission	1/22/2002	25	2021	1.73	44,060	57,974	13,914	100,542	24,130
2002 PUBLIC IMP ACCEPT-MIDCITIES METRO DIST 1	1	Transmission	2/12/2002	25	2021	1.73	163,590	216,198	52,608	374,943	91,236
2002 PUBLIC IMP ACCEPT--BROOMFIELD CORP CTR	1	Transmission	4/9/2002	25	2021	1.73	150,869	201,160	50,291	348,863	87,217

City and County of Broomfield
Rate and License Fee Study
Water Fixed Assets by Valuation Method

Item	Backbone Facilities (1 or 0)	Plant Assets	Date Acquired	Useful Life	Current Year	Cost Index	Depreciation to Date	Original Cost	Book Value	Replacement Cost New	Replacement Cost New Less Depreciation
2002 PUBLIC IMP ACCEPT--THE RIDGE @BRMFLD-LEVEL 3	1	Transmission	5/14/2002	25	2021	1.73	831,899	1,114,151	282,252	1,932,225	489,497
2002 PUBLIC IMP ACCEPT--BROADLANDS FILING 12/PHS 1	1	Transmission	6/4/2002	25	2021	1.73	203,394	273,624	70,230	474,535	121,798
2002 PUBLIC IMP ACCEPT--W 144TH & LOWELL INT/PHS 2	1	Transmission	6/25/2002	25	2021	1.73	13,236	17,807	4,571	30,882	7,927
2002 PUBLIC IMP ACCEPT-MIDCITIES FILING 6	1	Transmission	8/13/2002	25	2021	1.73	278,104	377,518	99,414	654,714	172,409
2003 WESTBROOK LINE WATER LICENSE	1	Transmission	12/31/2003	25	2021	1.64	11,677	17,089	5,412	28,035	8,879
2003 PUBLIC IMPR ACCEP--WATER LINE-32,943 LF	1	Transmission	12/31/2003	25	2021	1.64	1,257,406	1,840,108	582,701	3,018,707	955,925
2003 PUBLIC IMPR ACCEP--128TH/ZUNI WTR SYS IMPR	1	Transmission	12/31/2003	25	2021	1.64	58,039	84,934	26,896	139,335	44,123
2003 PUBLIC IMPR ACCEP--12" PRESSURE VALVE	1	Transmission	12/31/2003	25	2021	1.64	8,200	12,000	3,800	19,686	6,234
2004 PUBLIC IMPR ACCEP--WATER LINE-50,181 LF	1	Transmission	12/31/2004	25	2021	1.51	1,699,452	2,641,635	942,183	3,987,845	1,422,331
2004 WATER LINE-IND LN/128	1	Transmission	12/31/2004	25	2021	1.51	628,093	976,310	348,218	1,473,850	525,674
2004 MILE HIGH WTR LINE SYSTEM IMPROVEMENTS	1	Transmission	12/31/2004	25	2021	1.51	2,088,744	3,246,754	1,158,010	4,901,340	1,748,146
2004 3MG WATER TANK/TANK FLOW CONTROL	1	Storage	12/31/2004	15	2021	1.51	1,688,249.91	1,688,250	0	2,548,603	0
2002 GWR PROJECT/RAW WATER PIPELINE	1	Transmission	12/31/2002	25	2021	1.73	12,649,167	17,487,328	4,838,161	30,327,537	8,390,619
2002 GW PROJECT/TREATED WATER PIPELINE	1	Transmission	12/31/2002	25	2021	1.73	4,056,452	5,607,999	1,551,546	9,725,716	2,690,782
2002 GW PROJECT/EQUALIZATION STORAGE	1	Transmission	12/31/2002	25	2021	1.73	312,475	431,993	119,518	749,187	207,276
2002 GW PROJECT/DRY CREEK VALLEY DITCH BY PASS	1	Transmission	12/31/2002	25	2021	1.73	147,956	204,548	56,592	354,739	98,145
2002 PUBLIC IMPR ACCEP--FLATIRON MARKETPLACE #1	1	Transmission	1/8/2002	25	2021	1.73	421,914	555,150	133,236	962,773	231,066
2002 PUBLIC IMPR ACCEP--MIRAMONTE FARMS #4 & #6	1	Transmission	1/8/2002	25	2021	1.73	134,228	176,617	42,389	306,299	73,513
2002 PUBLIC IMPR ACCEP--BROADLANDS #3	1	Transmission	1/8/2002	25	2021	1.73	56,253	74,018	17,764	128,365	30,808
2004 CARTER LAKE PIPE #2	1	Transmission	12/31/2004	25	2021	1.51	1,796,928	2,793,152	996,225	4,216,577	1,503,913
2005 PUBLIC IMPR ACCEP--WATER LINE--26,407 LF	1	Transmission	12/31/2005	50	2021	1.48	341,415	1,131,764	790,349	1,677,365	1,171,360
2004 WATER LINE REPL	1	Transmission	12/31/2004	25	2021	1.51	117,377	182,452	65,075	275,432	98,239
2004 CARTER LAKE PUMP STATION	1	Transmission	12/31/2004	25	2021	1.51	558,736	868,502	309,766	1,311,101	467,626
2005 WATER LINE REPL	1	Transmission	12/31/2005	50	2021	1.48	68,300	226,411	158,110	335,559	234,332
2006 ACCEPT OF PUBLIC IMPR-WATER LINE-27,659 LF	1	Transmission	12/31/2006	50	2021	1.44	522,144	1,853,767	1,331,623	2,669,181	1,917,362
2006 WATER LINES	1	Transmission	12/31/2006	50	2021	1.44	361,727	1,284,240	922,512	1,849,136	1,328,296
2006 WATER LINE REPL	1	Transmission	12/31/2006	50	2021	1.44	510,494	1,812,408	1,301,913	2,609,628	1,874,583
2007 ACCEPT OF PUBLIC IMPR-WATER LINE-6,573 LF	1	Transmission	12/31/2007	50	2021	1.43	86,172	329,320	243,148	471,483	348,112
2007 WATER LINE REPL ST RCST	1	Transmission	12/31/2007	50	2021	1.43	38,887	148,615	109,728	212,770	157,096
2007 WATER LINE REPL/EX	1	Transmission	12/31/2007	50	2021	1.43	329,524	1,259,328	929,804	1,802,962	1,331,187
2008 WATER LINE REPL/EX	1	Transmission	12/31/2008	50	2021	1.39	335,651	1,398,545	1,062,894	1,938,596	1,473,333
2008 SERV TO HWY 7/HURON	1	Transmission	12/31/2008	50	2021	1.39	310,906	1,295,441	984,535	1,795,678	1,364,716
2008 WATER LINE REPL ST RECONST	1	Transmission	12/31/2008	50	2021	1.39	63,193	263,306	200,113	364,982	277,387
2008 PUBL IMPR--WATER LINES-79,255 LF	1	Transmission	12/31/2008	50	2021	1.39	1,530,755	6,378,146	4,847,391	8,841,082	6,719,223
CARBON ROAD PUMP STATION #2	1	Building	12/31/2008	40	2021	1.39	998,991	2,330,978	1,331,987	3,231,091	1,846,338
2009 PUBL ACCEP--WATER LINE-215,192 LF	1	Transmission	12/31/2009	50	2021	1.30	2,903,910	13,199,591	10,295,681	17,121,373	13,354,671
2009 WATER LINE REPLACEMENT	1	Transmission	12/31/2009	50	2021	1.30	178,001	809,095	631,095	1,049,489	818,602
2009 WATERLINE REPL-STREET RECONST	1	Transmission	12/31/2009	50	2021	1.30	61,402	279,104	217,702	362,030	282,384
2010 PUBLIC ACCEPT IMPR-WATER LINE 7,456 LF	1	Transmission	12/7/2010	50	2021	1.29	115,758	578,791	463,033	744,425	595,540
WATER LINE REPLACEMENT--7173 FT	1	Transmission	12/31/2010	50	2021	1.29	123,336	616,681	493,345	793,158	634,527
2011 PUBLIC ACCEPT IMPR--WATER LINE 35,874 LF	1	Transmission	12/31/2011	50	2021	1.19	431,016	2,372,567	1,941,551	2,834,679	2,319,712
INTERLOCKEN PUMP STATION UPGRADES	1	Building	12/31/2011	40	2021	1.19	84,021	373,425	289,405	446,158	345,773
2011 WATER LINE REPL--3,805 LF OF 8" PIPE	1	Transmission	12/31/2011	50	2021	1.19	61,603	342,243	280,639	408,902	335,300
2012 PUBL ACCEP-WATER LINES 22,826 LF	1	Transmission	12/31/2012	50	2021	1.18	400,465	2,477,104	2,076,639	2,920,259	2,448,150
2012 PUBL ACCEP WATER LINES 1,128 LF	1	Transmission	12/31/2012	50	2021	1.18	28,370	175,482	147,112	206,876	173,431
WATER TREATMENT PLANT BACKWASH SEPARATION PIPELINE	1	Transmission	4/24/2012	50	2021	1.18	7,752	44,296	36,544	52,221	43,082
Polymer storage tank-6,100 gal capacity	1	Storage	12/31/2013	10	2021	1.17	18,277	39,165	20,888	45,951	24,508
2014 Public Accept--Water line	1	Transmission	12/31/2014	50	2021	1.16	334,662	2,788,846	2,454,184	3,243,767	2,854,514
Waterline Replace 1060 LF Douglas Dr	1	Transmission	12/31/2014	50	2021	1.16	21,257	177,144	155,887	206,040	181,315
Waterline Replace 850 LF Ruth Rd East	1	Transmission	12/31/2014	50	2021	1.16	12,717	105,976	93,259	123,263	108,471
Waterline Replace 1230 LF Irene Ct	1	Transmission	12/31/2014	50	2021	1.16	19,799	164,995	145,196	191,909	168,880
Waterline Replace 400 LF Ruth Rd (Irene/Douglas Dr So)	1	Transmission	12/31/2014	50	2021	1.16	8,340	69,498	61,158	80,835	71,134
Waterline Replace 1015 LF Douglas Dr S. (Carla to Douglas)	1	Transmission	12/31/2014	50	2021	1.16	17,035	141,962	124,927	165,119	145,305
Waterline Replace 1000 LF Douglas Dr N (Douglas Dr S to Carla Way)	1	Transmission	12/31/2014	50	2021	1.16	11,331	94,425	83,094	109,828	96,648
Waterline Replace 850 LF Industrial Ln/Commerce	1	Transmission	12/31/2014	50	2021	1.16	14,828	123,567	108,739	143,723	126,476
2015 Public Acceptance - Water lines	1	Transmission	12/31/2015	50	2021	1.16	198,847	1,988,463	1,789,616	2,312,912	2,081,621
Waterline-Ponderosa Place	1	Transmission	12/31/2015	50	2021	1.16	4,036	40,360	36,324	46,945	42,251
Waterline-Pine Place	1	Transmission	12/31/2015	50	2021	1.16	3,360	33,600	30,240	39,082	35,174
Waterline-Evergreen Place	1	Transmission	12/31/2015	50	2021	1.16	23,836	238,355	214,519	277,246	249,522
2016 Public Acceptance - Water lines - 55,761 LF	1	Transmission	12/31/2016	50	2021	1.12	399,276	4,990,944	4,591,668	5,574,844	5,128,856
Water Line Repl @ Aspen St	1	Transmission	12/31/2016	50	2021	1.12	1,463	18,282	16,819	20,421	18,787
Water Line Repl @ Poppy Way	1	Transmission	12/31/2016	50	2021	1.12	5,995	74,940	68,945	83,707	77,011
Water Line Repl @ W 10th Ave	1	Transmission	12/31/2016	50	2021	1.12	12,114	151,425	139,311	169,140	155,609
Water Line Repl @ Depot Hill	1	Transmission	12/31/2016	50	2021	1.12	12,654	158,179	145,524	176,684	162,550

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Water Line Repl @ Commons/Red Leaf	1	Transmission	12/31/2016	50	2021	1.12	799	9,984	9,185	11,152	10,260
Water Line Repl @ 17th & 19th Ave	1	Transmission	12/31/2016	50	2021	1.12	20,140	251,748	231,608	281,200	258,704
Water Line @ Wadsworth EB off ramp & US 36	1	Transmission	12/31/2016	50	2021	1.12	1,902	23,774	21,873	26,556	24,432
Oversized Water line in Arista	1	Transmission	12/31/2017	50	2021	1.11	25,755	429,254	403,499	476,481	447,893
2017 Public Acceptance - Water lines - 25,575 LF	1	Transmission	12/31/2017	50	2021	1.11	102,651	1,710,860	1,608,209	1,899,093	1,785,147
Brandywine Irrigation - Water Line	1	Transmission	12/31/2017	50	2021	1.11	4,089	68,150	64,061	75,648	71,109
120th Ave Connection - Water Line	1	Transmission	12/31/2017	50	2021	1.11	104,715	1,745,243	1,640,528	1,937,259	1,821,023
Zuni Chlorine Station - New	1	Plant	12/31/2017	40	2021	1.11	122,704	1,636,050	1,513,347	1,816,052	1,679,848
Zuni Chlorine Station - Roof	1	Plant	12/31/2017	40	2021	1.11	5,423	72,300	66,877	80,255	74,235
Zuni Chlorine Station - Overhead Doors (2)	1	Plant	12/31/2017	40	2021	1.11	1,018	13,580	12,562	15,074	13,944
Zuni Chlorine Station - Fire Suppression System	1	Plant	12/31/2017	40	2021	1.11	1,295	17,270	15,975	19,170	17,732
Zuni Chlorine Station - HVAC System	1	Plant	12/31/2017	40	2021	1.11	3,477	46,353	42,876	51,453	47,594
Zuni Chlorine Station - Driveway & Sidewalk	1	Building	12/31/2017	15	2021	1.11	1,421	7,106	5,685	7,888	6,310
Zuni Chlorine Station - Water Line	1	Transmission	12/31/2017	50	2021	1.11	3,423	57,053	53,630	63,330	59,530
Zuni Chlorine Station - Sewer Line	1	Transmission	12/31/2017	50	2021	1.11	1,304	21,727	20,423	24,117	22,670
120th Ave to E Midway Ave - Water Line	1	Transmission	12/31/2017	50	2021	1.11	16,538	275,633	259,095	305,959	287,601
2018 Public Acceptance - Water lines - 18,450 LF	1	Transmission	12/31/2018	50	2021	1.10	92,529	2,313,232	2,220,703	2,533,097	2,431,773
Pressure Regulating Valve - Hwy 287 & Midway Blvd.	1	Transmission	12/31/2018	50	2021	1.10	5,400	135,000	129,600	147,831	141,918
Water Line - 144th Ave (Highway 7 to Huron)	1	Transmission	12/31/2018	50	2021	1.10	61,299	1,532,469	1,471,170	1,678,125	1,610,999
Water Lines - Fir Lane to Cherry Street to Mulberry Circle	1	Transmission	11/30/2019	50	2021	1.09	3,546	163,649	160,103	178,663	174,792
Water Lines - Aspen St - E. 11th Ave to E 12th Ave	1	Transmission	11/30/2019	50	2021	1.09	3,495	161,298	157,803	176,097	172,281
Water Lines - Bellaire St - E 11th Ave to E 12th Ave	1	Transmission	11/30/2019	50	2021	1.09	2,634	121,582	118,948	132,737	129,861
Water Lines - Ouray Ave - Fall Creek Dr to Telluride Dr	1	Transmission	11/30/2019	50	2021	1.09	3,691	170,335	166,644	185,963	181,934
Water Lines - Fairplay Ave and Telluride Dr	1	Transmission	11/30/2019	50	2021	1.09	1,068	49,313	48,245	53,837	52,671
Water Lines - Northwest Parkway at Anthem inc. PRV	1	Transmission	11/30/2019	50	2021	1.09	2,082	96,092	94,010	104,908	102,635
2019 Public Acceptance - Water Lines - Great Western Park	1	Transmission	12/31/2019	50	2021	1.09	12,700	634,997	622,297	693,257	679,392
2019 Public Acceptance - Water Lines - Palisade Park	1	Transmission	12/31/2019	50	2021	1.09	12,619	630,970	618,351	688,861	675,084
2019 Public Acceptance - Water Lines - Anthem	1	Transmission	12/31/2019	50	2021	1.09	21,504	1,075,188	1,053,684	1,173,836	1,150,359
2019 Public Acceptance - Water Lines - Hansen's Corner	1	Transmission	12/31/2019	50	2021	1.09	1,624	81,178	79,554	88,626	86,853
2019 Public Acceptance - Water Lines - Parkway Circle	1	Transmission	12/31/2019	50	2021	1.09	3,333	166,650	163,317	181,940	178,301
2019 Public Acceptance - Water Lines - BUTV	1	Transmission	12/31/2019	50	2021	1.09	775	38,737	37,962	42,291	41,445
2019 Public Acceptance - Water Lines - Interlocken	1	Transmission	12/31/2019	50	2021	1.09	3,625	181,249	177,624	197,878	193,921
2019 Public Acceptance - Water Lines - Irvine Industries	1	Transmission	12/31/2019	50	2021	1.09	2,348	117,375	115,027	128,144	125,581
2019 Public Acceptance - Water Lines - Interpark	1	Transmission	12/31/2019	50	2021	1.09	7,136	356,776	349,640	389,510	381,720
2019 Public Acceptance - Water Lines - Sunshine Subdivision	1	Transmission	12/31/2019	50	2021	1.09	1,464	73,200	71,736	79,916	78,318
Upper Church Ditch Diversion Structure	1	Drainage	12/31/2019	25	2021	1.09	5,155	128,874	123,719	140,698	135,070
Upper Church Ditch Head Gate	1	Drainage	12/31/2019	25	2021	1.09	3,324	83,094	79,770	90,718	87,089
McKay Diversion Structure	1	Drainage	12/31/2019	25	2021	1.09	7,180	179,511	172,331	195,981	188,142
McKay Head Gate	1	Drainage	12/31/2019	25	2021	1.09	2,772	69,297	66,525	75,655	72,629
Carpet - BMS Admin Bldg	1	Building	10/31/2020	10	2021	1.08	261	15,644	15,383	16,929	16,647
B Municipal Shops Fleet Building - 4115 W144th Ave	1	Building	10/31/2020	40	2021	1.08	12,748	3,059,509	3,046,761	3,310,806	3,297,011
BMS Fleet Shops Bldg - Roof (26,447 sq ft)	1	Building	10/31/2020	40	2021	1.08	992	238,023	237,031	257,573	256,500
Carpet - BMS Fleet Bldg	1	Building	10/31/2020	10	2021	1.08	2,179	130,760	128,581	141,500	139,142
Ceramic Tile - BMS Fleet Bldg	1	Building	10/31/2020	10	2021	1.08	258	15,508	15,249	16,781	16,502
HVAC System - BMS Fleet Bldg	1	Building	10/31/2020	40	2021	1.08	3,870	928,913	925,042	1,005,210	1,001,022
Municipal Shops Heated Vehicle Storage Building - 4093 W 144th Ave	1	Building	10/31/2020	40	2021	1.08	2,747	659,374	656,627	713,533	710,559
BMS Heated Vehicle Storage Bldg - Roof (10,623 sq ft)	1	Building	10/31/2020	40	2021	1.08	398	95,607	95,209	103,460	103,029
HVAC System - BMS Heated Vehicle Storage Bldg	1	Building	10/31/2020	40	2021	1.08	655	157,144	156,489	170,051	169,343
2020 Public Acceptance - Water Lines - Turnpike Industrial Park	1	Transmission	12/31/2020	50	2021	1.08	0	110,125	110,125	119,170	119,170
2020 Public Acceptance - Water Lines - Interlocken	1	Transmission	12/31/2020	50	2021	1.08	0	1,034,946	1,034,946	1,119,953	1,119,953
2020 Public Acceptance - Water Lines - Extra Space Storage	1	Transmission	12/31/2020	50	2021	1.08	0	156,110	156,110	168,932	168,932
2020 Public Acceptance - Water Lines - Highlands	1	Transmission	12/31/2020	50	2021	1.08	0	488,244	488,244	528,347	528,347
2020 Public Acceptance - Water Lines - Prospect Subdivision	1	Transmission	12/31/2020	50	2021	1.08	0	20,567	20,567	22,256	22,256
2020 Public Acceptance - Water Lines - Jeffco Business Center	1	Transmission	12/31/2020	50	2021	1.08	0	127,944	127,944	138,453	138,453
2020 Public Acceptance - Water Lines - MidCities	1	Transmission	12/31/2020	50	2021	1.08	0	116,820	116,820	126,415	126,415
2020 Public Acceptance - Water Lines - Jeffco Airport	1	Transmission	12/31/2020	50	2021	1.08	0	74,721	74,721	80,858	80,858
2020 Public Acceptance - Water Lines - North Park	1	Transmission	12/31/2020	50	2021	1.08	0	1,104,089	1,104,089	1,194,775	1,194,775
2020 Public Acceptance - Water Lines - Broomfield Urban Transit Village	1	Transmission	12/31/2020	50	2021	1.08	0	201,308	201,308	217,843	217,843
Water Line Crosstie - Sheridan Blvd & Lowell Blvd	1	Transmission	12/31/2020	50	2021	1.08	0	251,000	251,000	271,616	271,616
Equipment											
ZETA POTENTIAL INSTRUMENT	0	Equipment			2021	N.A.	8,591	8,591	0	8,591	0
SOFTWARE, TELE SYSTEM	0	Equipment			2021	N.A.	7,028	7,028	0	7,028	0
SOFTWARE, PURCHASING/INVENTORY	0	Equipment			2021	N.A.	4,970	4,970	0	4,970	0

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MODICON UPGRADE--984SYSTEM/SOFTWARE CHASSIS, ETC	0	Equipment			2021	N.A.	20,991	20,991	0	20,991	0
TRAILER, MAXEY 15 TON - Water Portion	0	Equipment			2021	N.A.	5,375	5,375	0	5,375	0
JET WASH--MODELSC2200 SAMPLE ANALYSIS	0	Equipment			2021	N.A.	6,200	6,200	0	6,200	0
PVC BLOWER/ACID DIG HOOD S/PVC BLOWER	0	Equipment			2021	N.A.	9,989	9,989	0	9,989	0
STANLEY HYDRAULIC LOWER SEAT TOOL IW24	0	Equipment			2021	N.A.	6,310	6,310	0	6,310	0
SOFTWARE--CHS SWR WORK REQUEST APPLICATION	0	Equipment			2021	N.A.	8,500	8,500	0	8,500	0
SPEED SHORE SHIELD--8X10 H-88	0	Equipment			2021	N.A.	7,575	7,575	0	7,575	0
SPEED SHORE SHIELD--6X10H-99	0	Equipment			2021	N.A.	6,775	6,775	0	6,775	0
EQUIPTO SHELVEING	0	Equipment			2021	N.A.	4,401	4,401	0	4,401	0
SOFTWARE LICENSE FOR ASSET MANAGEMENT	0	Equipment			2021	N.A.	4,050	4,050	0	4,050	0
ACCOUNTING ADJUSTMENT-WATER	0	Equipment			2021	N.A.	0	37,183	37,183	37,183	37,183
SOFTWARE UPGRADE-MS ACCESS	0	Equipment			2021	N.A.	6,583	6,583	0	6,583	0
UTILITY PIPE CUTTER-6" TO 24" PIPE, HYDRAULIC DRV	0	Equipment			2021	N.A.	5,819	5,819	0	5,819	0
ALIGNMENT SYSTEM, MASTERLIGN LASER	0	Equipment			2021	N.A.	9,023	9,023	0	9,023	0
Software-Laboratory Info Mgmt System (Enviro Monitoring)-v-pw-app-01	0	Equipment			2021	N.A.	28,416	28,416	0	28,416	0
SOFTWARE UPGRADE-SWR PROGRAM	0	Equipment			2021	N.A.	9,000	9,000	0	9,000	0
PUMP--200 HP PEERLESS	0	Equipment			2021	N.A.	12,775	12,775	0	12,775	0
INSTL CONDUIT	0	Equipment			2021	N.A.	1,350	1,350	0	1,350	0
PUMP--200 HP CONSTANT TORQUE VFD	0	Equipment			2021	N.A.	37,826	37,826	0	37,826	0
INSTL VFD/PUMP	0	Equipment			2021	N.A.	4,635	4,635	0	4,635	0
INSTL PUMP/MOTOR	0	Equipment			2021	N.A.	17,269	17,269	0	17,269	0
SOFTWARE UPGRADE FOR SEWER/WATER MAINT MGMT	0	Equipment			2021	N.A.	10,521	10,521	0	10,521	0
FILING SYSTEM--HIGH DENSITY	0	Equipment			2021	N.A.	13,235	13,235	0	13,235	0
TRAILER/TRAIL KING TK50RB	0	Equipment			2021	N.A.	33,127	33,127	0	33,127	0
HANDHELD G5R, 8MB	0	Equipment			2021	N.A.	5,569	5,569	0	5,569	0
HANDHELD--G5R, 8 MB CRADLE/CABLE/POWER SUPPLY	0	Equipment			2021	N.A.	5,385	5,385	0	5,385	0
2002 WATER PLANT SECURITY SYSTEM	0	Equipment			2021	N.A.	112,970	112,970	0	112,970	0
2003 ADDITION TO SECURITY SYSTEM	0	Equipment			2021	N.A.	56,740	56,740	0	56,740	0
Aurora replacement rotating assembly for Booster Pump #3	0	Equipment			2021	N.A.	9,238	19,796	10,558	19,796	10,558
2002 EPA STORM MAPPING	0	Equipment			2021	N.A.	24,510	24,510	0	24,510	0
2001 CATERPILLAR FRONT END LOADER	0	Equipment			2021	N.A.	141,572	141,572	0	141,572	0
DELTA TOX TEST SYSTEM	0	Equipment			2021	N.A.	8,539	8,539	0	8,539	0
XC2 BACKFLOW PREVENTION SOFTWARE CLIENT/SERVER	0	Equipment			2021	N.A.	7,600	7,600	0	7,600	0
6" FIRE SERIES METER ASSY	0	Equipment			2021	N.A.	8,385	8,385	0	8,385	0
METER READING EQUIP/MOBILE COLLECTOR W/RECEIVERS	0	Equipment			2021	N.A.	14,167	14,167	0	14,167	0
SOFTWARE FOR METER READING EQUIPMENT	0	Equipment			2021	N.A.	4,444	4,444	0	4,444	0
2005 INTERNATIONAL CAB/CHASSIS-7500 SFA 4X4	0	Equipment			2021	N.A.	89,866	89,866	0	89,866	0
SERVICE BODY	0	Equipment			2021	N.A.	70,537	70,537	0	70,537	0
LEAK NOISE CORRELATOR/LC-2500	0	Equipment			2021	N.A.	22,900	22,900	0	22,900	0
UTILITY BILLING SOFTWARE-INNOPIRISE	0	Equipment			2021	N.A.	13,051	13,051	0	13,051	0
SOFTWARE/UTILITY BILLING INNOPIRISE	0	Equipment			2021	N.A.	11,949	11,949	0	11,949	0
QUIKCHEM 8500 AUTOMATED ION ANALYZER W/AUTOSAMPLER	0	Equipment			2021	N.A.	47,938	47,938	0	47,938	0
ENET WTP MODIFICATIONS-UPGRADE FIBER OPTIC NETWORK	0	Equipment			2021	N.A.	41,399	41,399	0	41,399	0
2008 FORD 1 TON 4X2 PICKUP	0	Equipment			2021	N.A.	20,981	20,981	0	20,981	0
2008 DUMP TRUCK, TANDEM AXLE, INTERNATIONAL 7600	0	Equipment			2021	N.A.	109,158	109,158	0	109,158	0
FORCE AMERICA HYDRAULICS	0	Equipment			2021	N.A.	20,800	20,800	0	20,800	0
STELLAR BODY	0	Equipment			2021	N.A.	25,695	25,695	0	25,695	0
VIKING 10' REVERSIBLE PLOW	0	Equipment			2021	N.A.	11,635	11,635	0	11,635	0
HEIL 15'6" DUMP BODY	0	Equipment			2021	N.A.	13,975	13,975	0	13,975	0
MERRITT HEADACHE RACK	0	Equipment			2021	N.A.	5,560	5,560	0	5,560	0
SOLAR POWERED LAKE CIRCULATOR-SB5000	0	Equipment			2021	N.A.	22,050	22,050	0	22,050	0
HANDHELD READER/RADIX/ORION W/LOADER CHARGER	0	Equipment			2021	N.A.	1	1	0	1	0
READER	0	Equipment			2021	N.A.	5,499	5,499	0	5,499	0
2008 VACUUM EXCAVATOR & DEBRIS BODY	0	Equipment			2021	N.A.	143,298	143,298	0	143,298	0
2008 INTERNATIONAL 7500 4X4 CAB/CHASSIS	0	Equipment			2021	N.A.	98,217	98,217	0	98,217	0
SOLAR BEE SB 10000 V12 CIRCULATION MACHINE	0	Equipment			2021	N.A.	32,953	32,953	0	32,953	0
2011 FORD F250 4X4 PICKUP	0	Equipment			2021	N.A.	23,132	23,132	0	23,132	0
READING US132AADW BODY	0	Equipment			2021	N.A.	11,989	11,989	0	11,989	0
2011 FORD TRUCK--HEAVY DUTY DUAL REAR WHEEL	0	Equipment			2021	N.A.	37,870	37,870	0	37,870	0
2011 CHEVROLET SILVERADO 3/4 T EXT CAB LONG BED TR	0	Equipment			2021	N.A.	30,261	30,261	0	30,261	0
2011 SWENSON EV 100-1582-62 V-BOX SANDER	0	Equipment			2021	N.A.	17,291	17,291	0	17,291	0
2012 CHEVY SILVERADO 1/2 TON REG CAB SHORT BED	0	Equipment			2021	N.A.	18,593	18,593	0	18,593	0
2012 CHEVY SILVERADO 1/2 TON REG CAB LONG BED	0	Equipment			2021	N.A.	19,863	19,863	0	19,863	0
2012 FORD F-250 4X4 EXT CAB TRUCK	0	Equipment			2021	N.A.	23,601	23,601	0	23,601	0

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2012 FORD F-250 4X4 EXT CAB TRUCK	0	Equipment			2021	N.A.	23,601	23,601	0	23,601	0
2012 FORD F250 REG CAB	0	Equipment			2021	N.A.	21,583	21,583	0	21,583	0
ITRON MOBILE COLLECTOR	0	Equipment			2021	N.A.	7,125	7,125	0	7,125	0
ITRON HANDHELD RADIO FC 300	0	Equipment			2021	N.A.	3,814	3,814	0	3,814	0
SOLARBEE MACHINE MODEL SB10000 V18	0	Equipment			2021	N.A.	51,011	51,011	0	51,011	0
2013 Caterpillar 304 E Mini Excavator	0	Equipment			2021	N.A.	64,802	64,802	0	64,802	0
Recycle Effluent Vertical Turbine Pump Rebuild #3	0	Equipment			2021	N.A.	10,137	10,137	0	10,137	0
Dishwasher, Steelco laboratory glassware	0	Equipment			2021	N.A.	13,091	13,091	0	13,091	0
Solarbee SB10000 v18 Circulator	0	Equipment			2021	N.A.	54,285	54,285	0	54,285	0
Orion Mobile Reading System-Laptop-Water Portion	0	Equipment			2021	N.A.	12,098	12,098	0	12,098	0
Orion Ranger 3 Hand Held - Water Portion	0	Equipment			2021	N.A.	5,933	5,933	0	5,933	0
Hydrolab HL4 Sonde	0	Equipment			2021	N.A.	9,664	9,664	0	9,664	0
2016 Ford F-250 4x4 Pickup w/bedliner - Water portion	0	Equipment			2021	N.A.	14,684	14,684	0	14,684	0
Lightbar, Whelen	0	Equipment			2021	N.A.	550	550	0	550	0
Shimadzu GCMS Gas Chromatograph mass Spectrometer	0	Equipment			2021	N.A.	32,518	62,939	30,421	62,939	30,421
Shimadzu AOC6000	0	Equipment			2021	N.A.	17,270	33,426	16,156	33,426	16,156
Allen Bradley Variable Frequency Drive #5	0	Equipment			2021	N.A.	34,489	34,489	0	34,489	0
Allen Bradley Variable Frequency Drive #6	0	Equipment			2021	N.A.	34,489	34,489	0	34,489	0
Lab Charge Analyzer w/Titrator	0	Equipment			2021	N.A.	8,595	9,048	452	9,048	452
TOC Analyzer System	0	Equipment			2021	N.A.	29,750	29,750	0	29,750	0
2016 Ford F150 Truck with Nerf Bars, Bedliner, Floor mats	0	Equipment			2021	N.A.	23,419	26,512	3,093	26,512	3,093
Whelen light bar	0	Equipment			2021	N.A.	994	1,125	131	1,125	131
Tool box, Dee Zee	0	Equipment			2021	N.A.	261	295	34	295	34
Vehicle Accessories	0	Equipment			2021	N.A.	1,736	2,170	434	2,170	434
UPS System - Eaton 9355	0	Equipment			2021	N.A.	16,315	19,977	3,662	19,977	3,662
Security Access System - Main Panel	0	Equipment			2021	N.A.	4,344	5,429	1,086	5,429	1,086
Door Readers for Security Access System	0	Equipment			2021	N.A.	7,466	9,333	1,867	9,333	1,867
Exterior Gate for Security Access System	0	Equipment			2021	N.A.	2,285	2,856	571	2,856	571
Facility Lighting Control System Upgrade	0	Equipment			2021	N.A.	42,342	52,928	10,586	52,928	10,586
2016 Ford F250 Truck with Nerf Bars	0	Equipment			2021	N.A.	19,707	24,634	4,927	24,634	4,927
2016 Ford F250 Truck with Nerf Bars	0	Equipment			2021	N.A.	19,715	24,644	4,929	24,644	4,929
Meyers plow	0	Equipment			2021	N.A.	3,700	4,625	925	4,625	925
2017 Ford F-150 4x4 Pickup w/bedliner	0	Equipment			2021	N.A.	22,883	31,204	8,321	31,204	8,321
Tool Box - Dee Zee	0	Equipment			2021	N.A.	220	300	80	300	80
Allen Bradley Variable Frequency Drive Pump #2 Backwash Recycle	0	Equipment			2021	N.A.	5,125	7,501	2,375	7,501	2,375
Allen Bradley Variable Frequency Drive Pump #1 Backwash Waste	0	Equipment			2021	N.A.	5,125	7,501	2,375	7,501	2,375
Allen Bradley Variable Frequency Drive Pump #2 Backwash Waste	0	Equipment			2021	N.A.	5,125	7,501	2,375	7,501	2,375
2017 Ford F-150 4x4 Long Bed Pickup	0	Equipment			2021	N.A.	15,979	23,383	7,404	23,383	7,404
2017 Ford F-250 4x4 Ext Cab Pickup w/accessories	0	Equipment			2021	N.A.	19,714	30,329	10,615	30,329	10,615
2017 Ford F-250 4x4 Pickup w/Utility Body & accessories	0	Equipment			2021	N.A.	23,209	36,646	13,437	36,646	13,437
Boss 76" Poly Blade Snow Plow	0	Equipment			2021	N.A.	3,872	6,114	2,242	6,114	2,242
2017 Ford F-250 4x4 Ext Cab Pickup w/accessories	0	Equipment			2021	N.A.	23,771	37,533	13,762	37,533	13,762
Boss 76" Poly Blade Snow Plow	0	Equipment			2021	N.A.	3,872	6,114	2,242	6,114	2,242
Aaladin Pressure Washer w/built in generator 42-530G	0	Equipment			2021	N.A.	1	1	0	1	0
2017 John Deere 710L Backhoe Loader	0	Equipment			2021	N.A.	113,210	183,583	70,373	183,583	70,373
2017 Ford F-550 4X4 Crane Truck w/Accessories	0	Equipment			2021	N.A.	70,584	114,460	43,876	114,460	43,876
ICP-OES Plasma Optical Emission Spectrometer	0	Equipment			2021	N.A.	44,407	72,011	27,604	72,011	27,604
Ammonium Sulfate Tank - 6510 Gallon	0	Equipment			2021	N.A.	15,864	26,441	10,576	26,441	10,576
Sodium Hypochlorite Storage Tank - Bleach (6510 Gallon)	0	Equipment			2021	N.A.	15,864	26,441	10,576	26,441	10,576
Chemical Feed Systems (2)	0	Equipment			2021	N.A.	20,382	33,971	13,589	33,971	13,589
Booster Pump System	0	Equipment			2021	N.A.	9,703	16,171	6,468	16,171	6,468
Instrumentation & Controls	0	Equipment			2021	N.A.	30,194	50,323	20,129	50,323	20,129
Piping System	0	Equipment			2021	N.A.	36,687	61,145	24,458	61,145	24,458
Process Valves	0	Equipment			2021	N.A.	7,740	12,900	5,160	12,900	5,160
FLYGT Submersible Pump	0	Equipment			2021	N.A.	3,590	6,731	3,141	6,731	3,141
FLYGT Submersible Pump	0	Equipment			2021	N.A.	3,590	6,731	3,141	6,731	3,141
Eaton PowerXL DG1 Variable Frequency Drive Pump #5	0	Equipment			2021	N.A.	3,834	9,584	5,751	9,584	5,751
Hach AMC 5500se Monochloramine/Ammonia Analyzer	0	Equipment			2021	N.A.	9,191	26,261	17,070	26,261	17,070
2019 Chevrolet Traverse FWD	0	Equipment			2021	N.A.	8,048	24,144	16,096	24,144	16,096
Vertical Turbine Pump/ GE 250 hp Motor Rebuild-High Service Pump #2	0	Equipment			2021	N.A.	9,923	31,336	21,413	31,336	21,413
Rotork Actuator (Spare)	0	Equipment			2021	N.A.	1,442	5,088	3,647	5,088	3,647
Rotork Actuator (Spare)	0	Equipment			2021	N.A.	1,442	5,088	3,647	5,088	3,647
Rotork Actuator (Spare)	0	Equipment			2021	N.A.	1,442	5,088	3,647	5,088	3,647
UPS (B) 208/120VAC - Xtreme Power Conversion M90-40 (Water Portion)	0	Equipment			2021	N.A.	941	8,068	7,127	8,068	7,127

City and County of Broomfield
Rate and License Fee Study
Water Fixed Assets by Valuation Method

Item	Backbone Facilities (1 or 0)	Plant Assets	Date Acquired	Useful Life	Current Year	Cost Index	Depreciation to Date	Original Cost	Book Value	Replacement Cost New	Replacement Cost New Less Depreciation	
PDU (B) Wall-Mount 3 Breaker Maintenance Bypass Panel (Water Portion)	0	Equipment			2021	N.A.	444	3,806	3,362	3,806	3,362	
2020 Toyota Highlander w/Strobes	0	Equipment			2021	N.A.	1,279	38,360	37,081	38,360	37,081	
BMS Complex - IT Hardware & Software (20%)	0	Equipment			2021	N.A.	0	8,939	8,939	8,939	8,939	
BMS - FF&E Fleet Storage	0	Equipment			2021	N.A.	1,362	40,846	39,485	40,846	39,485	
BMS Complex - FF&E Audio & Visual Equipment (20%)	0	Equipment			2021	N.A.	0	1,191	1,191	1,191	1,191	
Fleet - Insulated Steel Panel Overhead Door - 12 X 14 w/Operator #1	0	Equipment			2021	N.A.	64	5,722	5,658	5,722	5,658	
Fleet - Insulated Steel Panel Overhead Door - 12 X 14 w/Operator #2	0	Equipment			2021	N.A.	64	5,722	5,658	5,722	5,658	
Fleet - Insulated Steel Panel Overhead Door - 12 X 14 w/Operator #3	0	Equipment			2021	N.A.	64	5,722	5,658	5,722	5,658	
Fleet - Insulated Steel Panel Overhead Door - 12 X 14 w/Operator #4	0	Equipment			2021	N.A.	64	5,722	5,658	5,722	5,658	
Fleet - Insulated Steel Panel Overhead Door - 16 X 14 w/Operator #5	0	Equipment			2021	N.A.	84	7,551	7,467	7,551	7,467	
Fleet - Insulated Steel Panel Overhead Door - 16 X 14 w/Operator #6	0	Equipment			2021	N.A.	84	7,551	7,467	7,551	7,467	
Fleet - Insulated Steel Panel Overhead Door - 12 X 14 w/Operator #7	0	Equipment			2021	N.A.	64	5,722	5,658	5,722	5,658	
Fleet - Insulated Steel Panel Overhead Door - 12 X 14 w/Operator #8	0	Equipment			2021	N.A.	64	5,722	5,658	5,722	5,658	
Fleet - Insulated Steel Panel Overhead Door - 16 X 14 w/Operator #9	0	Equipment			2021	N.A.	84	7,551	7,467	7,551	7,467	
Fleet - Insulated Steel Panel Overhead Door - 16 X 14 w/Operator #10	0	Equipment			2021	N.A.	84	7,551	7,467	7,551	7,467	
Fleet - Insulated Steel Panel Overhead Door - 12 X 14 w/Operator #11	0	Equipment			2021	N.A.	64	5,722	5,658	5,722	5,658	
Fleet - Insulated Steel Panel Overhead Door - 10 X 14 w/Operator #12	0	Equipment			2021	N.A.	61	5,504	5,443	5,504	5,443	
Fleet - Polycarbonate Glazed Aluminum Overhead Door 16 X 14 w/Operator	0	Equipment			2021	N.A.	146	13,171	13,025	13,171	13,025	
Fleet - Polycarbonate Glazed Aluminum Overhead Door 16 X 14 w/Operator	0	Equipment			2021	N.A.	146	13,171	13,025	13,171	13,025	
Fleet - Overhead Coiling Door - 10 X 10 w/Operator in Parts Rm	0	Equipment			2021	N.A.	70	6,259	6,189	6,259	6,189	
HVS - Insulated Steel Panel Overhead Door - 24 X 14 - #1	0	Equipment			2021	N.A.	146	13,158	13,012	13,158	13,012	
HVS - Insulated Steel Panel Overhead Door - 24 X 14 - #2	0	Equipment			2021	N.A.	146	13,158	13,012	13,158	13,012	
HVS - Insulated Steel Panel Overhead Door - 24 X 14 - #3	0	Equipment			2021	N.A.	146	13,158	13,012	13,158	13,012	
HVS - Insulated Steel Panel Overhead Door - 24 X 14 - #4	0	Equipment			2021	N.A.	146	13,158	13,012	13,158	13,012	
HVS - Insulated Steel Panel Overhead Door - 24 X 14 - #5	0	Equipment			2021	N.A.	146	13,158	13,012	13,158	13,012	
HVS - Insulated Steel Panel Overhead Door - 24 X 14 - #6	0	Equipment			2021	N.A.	146	13,158	13,012	13,158	13,012	
HVS - Insulated Steel Panel Overhead Door - 24 X 14 - #7	0	Equipment			2021	N.A.	146	13,158	13,012	13,158	13,012	
HVS - Insulated Steel Panel Overhead Door - 24 X 14 - #8	0	Equipment			2021	N.A.	146	13,158	13,012	13,158	13,012	
BMS Complex Telephone System - G450 Avaya (20%)	0	Equipment			2021	N.A.	0	3,320	3,320	3,320	3,320	
Avaya Office Phones (15) - BMS Complex (20%)	0	Equipment			2021	N.A.	0	861	861	861	861	
Extreme Switch X450-G2-48p-10G4	0	Equipment			2021	N.A.	0	6,235	6,235	6,235	6,235	
Total Water System Assets								\$138,758,933	280,153,671	\$141,394,737	\$422,700,142	\$184,369,900

City and County of Broomfield
Rate and License Fee Study
Summary of System Assets by Valuation Method

	Original Cost	Book Value	Replacement Cost New	Replacement Cost New Less Depreciation
Cash Assets	\$63,328,655	\$63,328,655	\$63,328,655	\$63,328,655
Fixed Assets:				
Land	\$40,251,958	\$35,057,401	\$40,251,958	\$35,057,401
Plant	31,436,085	11,860,772	55,732,452	19,515,426
Storage	1,727,415	20,888	2,594,554	24,508
Transmission	193,464,240	86,003,260	308,460,145	120,055,143
Equipment	3,635,178	821,458	3,635,178	821,458
Building	9,178,019	7,188,613	11,522,803	8,413,035
Drainage	460,776	442,345	503,052	482,930
Total Fixed Assets	\$280,153,671	\$141,394,737	\$422,700,142	\$184,369,900
Backbone System Asset Valuation	\$343,482,326	\$204,723,392	\$486,028,797	\$247,698,555

City and County of Broomfield
Rate and License Fee Study
Proposed Water License Fee

	CIF Calculation Method			
	1	2	3	4
Existing Assets	\$343,482,326	\$204,723,392	\$486,028,797	\$247,698,555
Interest on Existing Growth-Related CIP	0	0	0	0
Less: Principal Credit	0	0	0	0
Total System Value	\$343,482,326	\$204,723,392	\$486,028,797	\$247,698,555
Total Capacity Served, gpd	26,000,000	26,000,000	26,000,000	26,000,000
License Fees, \$ per gpd	\$13.21	\$7.87	\$18.69	\$9.53
Single Family Usage, gpd	715	715	715	715
License Fee, \$ per TE	\$9,450	\$5,630	\$13,370	\$6,810

Capital Improvements	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	Total	Costs Allocated to Growth	Capacity (Gallons)	Unit Cost/Gallon				
Raw Water Purchases and Reservoirs #70510, #70511																													
Siena Reservoir/Pump Station Pipeline	\$7,000,000	\$6,514,122	\$18,500,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$32,014,122	100%	6,500,000	\$4.93			
Potable Water Treatments and Storage #70520, #70521																													
North Area Water System Improvements - Tank	\$1,500,000	\$522,500	\$31,130,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$33,372,500	100%	6,000,000	5.56			
Bloomfield Reservoir - Raw Water Storage Reservoir Construction	-	-	-	-	4,180,000	-	41,800,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45,980,000	100%	6,000,000	7.66			
Potable Water Transmission Lines and Facilities #70530, #70531																													
Mesa Zone - Booster Station	\$223,345	\$14,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,223,345	100%	3,667,000	3.88			
Water Treatment Facility - Expansion	-	-	-	-	-	2,612,500	26,125,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28,737,500	100%	6,000,000	4.79			
Planning and Administration #70590, #70591																													
Water Fund - Master Plan Updates/ Hydraulic Model	\$64,688	\$25,000	\$27,250	\$29,703	\$32,376	\$28,138	\$28,982	\$29,851	\$30,747	\$31,669	\$32,619	\$33,598	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$619,620	100%	6,000,000	0.10
Total Capital Improvement Program	\$8,788,033	\$21,061,622	\$49,877,250	\$29,703	\$4,212,376	\$2,640,638	\$67,953,982	\$29,851	\$30,747	\$31,669	\$32,619	\$33,598	\$25,000	\$154,947,087			\$26.92												

City and County of Broomfield
Rate and License Fee Study
Summary of Incremental Water Assets

	Cost per Gallon	Total Cost per Gallon
Fixed Assets:		
Raw Water Purchases and Reservoirs #70510, #70511		
Siena Reservoir/Pump Station/Pipeline	\$4.93	

Total Raw Water Purchases and Reservoirs #70510, #70511		\$4.93
Potable Water Treatments and Storage #70520, #70521		
North Area Water System Improvements - Tank	5.56	
Broomfield Reservoir - Raw Water Storage Reservoir Construction	7.66	

Total Potable Water Treatments and Storage #70520, #70521		13.23
Potable Water Transmission Lines and Facilities #70530, #70531		
Mesa Zone - Booster Station	3.88	
Water Treatment Facility - Expansion	4.79	

Total Potable Water Transmission Lines and Facilities #70530, #70531		8.67
Planning and Administration #70590, #70591		
Water Fund - Master Plan Updates/ Hydraulic Model	0.10	

Total Planning and Administration #70590, #70591		0.10

Total Incremental Cost per Gallon		\$26.92
Single Family Peak Day Usage, gpd		715
License Fee, \$ per Single Family Equivalent		\$19,250

City and County of Broomfield
Rate and License Fee Study
Proposed Water License Fee

	Original Cost	Book Value	Replacement Cost New	Replacement Cost New Less Depreciation
Buy-In Component				
Existing Assets	\$343,482,326	\$204,723,392	\$486,028,797	\$247,698,555
Interest on Existing Growth-Related CIP	0	0	0	0
Less: Principal Credit	0	0	0	0
Total System Value	\$343,482,326	\$204,723,392	\$486,028,797	\$247,698,555
Total Capacity Served, gpd	26,000,000	26,000,000	26,000,000	26,000,000
Buy-In Cost, \$ per gpd	\$13.21	\$7.87	\$18.69	\$9.53
Incremental Component				
Total Raw Water Purchases and Reservoirs #70510, #70511	\$4.93	\$4.93	\$4.93	\$4.93
Total Potable Water Treatments and Storage #70520, #70521	13.23	13.23	13.23	13.23
Total Potable Water Transmission Lines and Facilities #70530, #7053	8.67	8.67	8.67	8.67
Total Planning and Administration #70590, #70591	0.10	0.10	0.10	0.10
Incremental Cost, \$ per gpd	\$26.92	\$26.92	\$26.92	\$26.92
Total Cost, \$ per gpd	\$40.13	\$34.80	\$45.62	\$36.45
Single Family Peak Day Usage, gpd	715	715	715	715
License Fee, \$ per TE	\$28,700	\$24,880	\$32,620	\$26,060

City and County of Broomfield
 Water Supply Inventory Form
 Water Resource Fee Calculation

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
					(a) * (d)		(f) / (d)	(g) * (e)	
Water Right Name	No. of shares or Units Owned	Avg. Annual Yield (af/sh)	Annual Yield (af)	Firm Yr. Annual Yield* (af/sh)	Firm Yr. Annual Yield (af)	Estimated Price \$ per Share	Price \$ per Acre-Ft	Total	Notes and Comments
<i>Transbasin Sources</i>									
CBT Project									
Total units owned	13,698								
Variable quota	8,609	0.70	6,026	0.50	4,305	\$25,572	\$51,144	\$220,150,639	
Fixed quota	5,089	0.70	3,562	0.70	3,562	25,572	36,532	130,136,671	
Windy Gap Project									
Units Owned	56	100.00	5,600	100.00	5,600	\$2,348,214	\$23,482	\$131,500,000	Est. Price
Marshall Share	158	2.33	368	2.33	368	\$7,051	\$3,026	\$1,115,061	
Interest Carrying Costs (Windy Gap)								\$82,951,750	
Total			15,557		13,835			\$565,854,122	
Average Price Per Firm Yield Acre-Ft								\$40,899	

* Firm yield is different than dry year yield for CBT water. CBT Units yield 0.5 acre feet in wet years and 1.0 acre feet in dry years. Therefore, the "firm yield" is 0.5 acre feet/Unit.

Average Price per share (1 Acre Foot) \$40,899
 Yearly Water requirement, acre-ft 0.50 acre-ft
 3/4-inch residential \$20,450

APPENDIX G

Sewer License Fee

City and County of Broomfield
Rate and License Fee Study
Wastewater Fixed Assets by Valuation Method

Item	Backbone Facilities (1 or 0)	Date Acquired	Useful Life	Current Year	Cost Index	Depreciation to Date	Original Cost	Book Value	Replacement Cost New	Replacement Cost New Less Depreciation
Land										
WARR DEED OUTLOT A--.85 ACR-WITTENBRINK,DE COLA	1 Land	6/26/1991		2021	1.00	0	10,200	10,200	10,200	10,200
WARR DEED OUTLOTS B&C-2.7 ACR-WITTENBRINK, DE COLA	1 Land	10/15/1991		2021	1.00	0	32,400	32,400	32,400	32,400
SEWER LINE EASEMENT--1.04 ACRES--JEFFCO AIRPORT	1 Land	12/18/1991		2021	1.00	0	16,800	16,800	16,800	16,800
SEWER LINE EASEMENT--1.16 ACRES--JEFFCO AIRPORT	1 Land	2/4/1991		2021	1.00	0	13,920	13,920	13,920	13,920
LAND - PRIOR TO 1990	1 Land	12/31/1989		2021	1.00	0	130,672	130,672	130,672	130,672
BIO SOLIDS FARM WELD CO - 1996 LAND PURCH - 1,426 AC	1 Land	4/9/2004		2021	1.00	0	2,441,998	2,441,998	2,441,998	2,441,998
2006 SERVICE CENTER LAND-1.44 AC	1 Land	4/30/2006		2021	1.00	0	65,000	65,000	65,000	65,000
Wastewater Treatment Facility Admin Bldg & Lab Expansion-Landscaping	1 Land	12/31/2018		2021	1.00	5,421	40,655	35,234	40,655	35,234
RV Dump @ WWTP	1 Land	8/30/2019		2021	1.00	0	95,948	95,948	95,948	95,948
Landscaping	1 Land	8/30/2019		2021	1.00	2,566	28,872	26,305	28,872	26,305
Sewer System										
1995 MUNICIPAL CENTER SEWER TAP	1 Building	12/31/1995	25	2021	2.01	7,070	7,070	0	14,230	0
RECYCLE CTR-IMPROVEMENTS	1 Building	12/31/1988	15	2021	2.33	6,354	6,354	0	14,775	0
AIR CONDITIONING UNIT-@ WW PLANT/COND-DRAIN/WIRING	1 Plant	6/14/1995	10	2021	2.01	8,739	8,739	0	17,589	0
AQUA GUARD BARSREEN-MODEL AG -MN-A/POWER UNIT	1 Plant	11/21/1995	10	2021	2.01	54,123	54,123	0	108,936	0
1996 PUBL IMPR ACCEPT/WESTLK VILLAGE FILING 6	1 Collection	12/31/1996	30	2021	1.90	86,343	107,735	21,392	204,524	40,611
1996 PUBL IMPR ACCEPT/WESTLK VILLAGE FILING 6	1 Collection	12/31/1996	30	2021	1.90	50,936	63,556	12,620	120,655	23,958
1996 PUBL IMPR ACCEPT/INTERLOCKEN FILING 4, PHS 2A	1 Collection	12/31/1996	30	2021	1.90	1,519,424	1,895,856	376,432	3,599,095	714,619
1996 PUBL IMPR ACCEPT/INTERLOCKEN FILING 4, PHS 2A	1 Collection	12/31/1996	30	2021	1.90	193,854	241,880	48,027	459,185	91,174
1996 PUBL IMPR ACCEPT/COUNTRY VISTAS FILING 1	1 Collection	12/31/1996	30	2021	1.90	16,910	21,100	4,190	40,056	7,954
1996 PUBL IMPR ACCEPT/COUNTRY VISTAS FILING 1	1 Collection	12/31/1996	30	2021	1.90	81,266	101,400	20,134	192,498	38,222
1996 PUBL IMPR ACCEPT/BRMFLD PROF PARK REPLAT H	1 Collection	12/31/1996	30	2021	1.90	4,304	5,370	1,066	10,194	2,024
1996 PUBL IMPR ACCEPT/WILLOW RUN FILING 1, PHS 3	1 Collection	12/31/1996	30	2021	1.90	32,161	40,130	7,969	76,183	15,128
1996 PUB IMPR ACCEPT/WESTLKN VIL FILING 14, PHS2-4	1 Collection	12/31/1996	30	2021	1.90	21,491	26,815	5,324	50,906	10,107
1996 PUBL IMPR ACCEPT/INTERLOCKEN FILING 1 REPLAT	1 Collection	12/31/1996	30	2021	1.90	71,457	89,160	17,703	169,261	33,608
1996 PUBL IMPR ACCEPT/INTERLOCKEN FILING 1 REPLAT	1 Collection	12/31/1996	30	2021	1.90	33,661	42,000	8,339	79,733	15,831
1996 SOUTH OUTFALL LINE--1,761 FT OF 36" PIPE	1 Collection	12/31/1996	30	2021	1.90	223,524	278,902	55,378	529,468	105,130
1996 TELEMETRY SYSTEM IMPROV-NEW SVC CTR-INCL ANTENNA	1 Building	12/31/1996	30	2021	1.90	11,788	14,708	2,921	27,922	5,545
1996 UTILITY INSTL-SOUTH OF 120TH-1,461 FT-8"LN	1 Collection	12/31/1996	30	2021	1.90	76,356	95,273	18,917	180,866	35,912
1995 PUBL IMPR ACCEPT.WILLOW RUN FILING 1	1 Collection	12/31/1995	30	2021	2.01	123,253	147,625	24,372	297,135	49,056
1995 PUBL IMPR ACCEPT/WILLOW RUN FILING 1,PHASE 2	1 Collection	12/31/1995	30	2021	2.01	4,174	5,000	826	10,064	1,662
1995 PUBL IMPR ACCEPT/WILLOW RUN FILING 1, PHASE 2	1 Collection	12/31/1995	30	2021	2.01	47,832	57,291	9,459	115,314	19,039
1995 PUBL IMPR ACCEPT/MIRAMONTE FARMS FILING 1	1 Collection	12/31/1995	30	2021	2.01	31,708	37,978	6,270	76,441	12,621
1995 PUBL IMPR ACCEPT/MIRAMONTE FARMS FILING 1	1 Collection	12/31/1995	30	2021	2.01	76,235	91,310	15,075	183,786	30,342
1995 PUBL IMPR ACCEPT/BRMFLD HIGHLANDS FILING 1	1 Collection	12/31/1995	30	2021	2.01	75,837	90,833	14,996	182,826	30,184
1995 PUBL IMPR ACCEPT/BRMFLD HIGHLANDS FILING 1	1 Collection	12/31/1995	30	2021	2.01	54,995	65,869	10,874	132,579	21,888
1995 PUBL IMPR ACCEPT/BROOMFIELD PROF PARK	1 Collection	12/31/1995	30	2021	2.01	132,523	158,728	26,205	319,483	52,745
1995 PUBL IMPR ACCEPT/BROOMFIELD PROF PARK	1 Collection	12/31/1995	30	2021	2.01	27,741	33,227	5,486	66,878	11,042
1995 PUBL IMPR ACCEPT/TRAILS@WESTLAKE-FILING 4-3	1 Collection	12/31/1995	30	2021	2.01	53,434	64,000	10,566	128,817	21,268
1995 PUBL IMPR ACCEPT/RIDGEVIEW HTS-PHASE V	1 Collection	12/31/1995	30	2021	2.01	5,624	6,737	1,113	13,560	2,241
1995 PUBL IMPR ACCEPT/RIDGEVIEW HTS-PHASE V	1 Collection	12/31/1995	30	2021	2.01	44,107	52,829	8,722	106,333	17,555
1995 PUBL IMPR ACCEPT/NORTHRIDGE PHASES 1-4	1 Collection	12/31/1995	30	2021	2.01	52,592	62,991	10,399	126,786	20,931
1995 PUBL IMPR ACCEPT/NORTHRIDGE PHASES 1-4	1 Collection	12/31/1995	30	2021	2.01	67,170	80,452	13,282	161,931	26,734
1995 PUBL IMPR ACCEPT/RIDGEVIEW HTS PHS IVB	1 Collection	12/31/1995	30	2021	2.01	43,461	52,055	8,594	104,775	17,297
1995 PUBL IMPR ACCEPT/WILLOW RUN FILING 1, PHASE 1	1 Collection	12/31/1995	30	2021	2.01	115,954	138,882	22,928	279,537	46,150
1995 PUBL IMPR ACCEPT/WILLOW RUN FILING 1, PHASE 1	1 Collection	12/31/1995	30	2021	2.01	52,484	62,862	10,378	126,527	20,889
1995 PUBL IMPR ACCEPT/COUNTRY ESTATES 3,PH 5,6,8,9	1 Collection	12/31/1995	30	2021	2.01	14,394	17,241	2,847	34,702	5,731
UPGRADE SCADA SYSTEM WWTP	1 Plant	12/31/1994	5	2021	2.05	72,331	72,331	0	148,457	0
1994 PUBL IMPR ACCEPT/WILLOW PARK PH 1-4,8	1 Collection	12/31/1994	30	2021	2.05	135,211	155,720	20,509	319,611	42,094
1994 PUBL IMPR ACCEPT/WILLOW PARK PH 1-4,8	1 Collection	12/31/1994	30	2021	2.05	152,585	175,730	23,145	360,681	47,504
1994 PUBL IMPR ACCEPT/TRAILS@WESTLAKE #4,PH2	1 Collection	12/31/1994	30	2021	2.05	64,274	74,024	9,750	151,932	20,012
1994 PUBL IMPR ACCEPT/TRAILS@WESTLAKE #4,PH2	1 Collection	12/31/1994	30	2021	2.05	64,274	74,024	9,750	151,932	20,012
1994 PUBL IMPR ACCEPT/TRAILS@WESTLAKE#4,PH1	1 Collection	12/31/1994	30	2021	2.05	54,626	62,913	8,287	129,127	17,008
1994 PUBL IMPR ACCEPT/TRAILS@WESTLAKE#4,PH1	1 Collection	12/31/1994	30	2021	2.05	101,963	117,430	15,467	241,022	31,745
1994 PUBL IMPR ACCEPT/COUNTRY ESTATES#3, PH4-6	1 Collection	1/23/1914	30	2021	92.45	28,438	32,752	4,314	3,027,845	398,787
1994 PUBL IMPR ACCEPT/RIDGEVIEW HTS,PH3,4A	1 Collection	12/31/1994	30	2021	2.05	37,281	42,937	5,656	88,127	11,608
1994 PUBL IMPR ACCEPT/RIDGEVIEW HTS,PH3,4A	1 Collection	12/31/1994	30	2021	2.05	93,584	107,779	14,195	221,214	29,135
1993 PUBLIC IMPR ACCEPT--WESTLAKE #13	1 Collection	12/31/1993	30	2021	2.05	38,423	42,613	4,190	87,391	8,593
1993 PUBLIC IMPR ACCEPT--WESTLAKE #12	1 Collection	12/31/1993	30	2021	2.05	6,149	6,820	671	13,986	1,376
1993 PUBLIC IMPR ACCEPT--OUTLOOK #6	1 Collection	12/31/1993	30	2021	2.05	61,195	67,868	6,673	139,183	13,685
1993 PUBLIC IMPR ACCEPT--COUNTRY ESTATES #3 PH3	1 Collection	12/31/1993	30	2021	2.05	7,137	7,915	778	16,232	1,596

City and County of Broomfield
Rate and License Fee Study
Wastewater Fixed Assets by Valuation Method

Item	Backbone Facilities (1 or 0)		Date Acquired	Useful Life	Current Year	Cost Index	Depreciation to Date	Original Cost	Book Value	Replacement Cost New	Replacement Cost New Less Depreciation
1993 PUBLIC IMPR ACCEPT--BRMFLD CCLUB #9	1	Collection	12/31/1993	30	2021	2.05	5,725	6,349	624	13,021	1,280
1993 PUBLIC IMPR ACCEPT--BRMFLD CCLUB #8 PH5	1	Collection	12/31/1993	30	2021	2.05	12,188	13,517	1,329	27,721	2,725
1993 PUBLIC IMPR ACCEPT--WESTLAKE #14	1	Collection	12/31/1993	30	2021	2.05	17,927	19,883	1,955	40,775	4,010
1993 PUBLIC IMPR ACCEPT--WESTLAKE #13	1	Collection	12/31/1993	30	2021	2.05	77,085	85,490	8,406	175,323	17,239
1993 PUBLIC IMPR ACCEPT--WESTLAKE #12	1	Collection	12/31/1993	30	2021	2.05	27,267	30,240	2,974	62,016	6,098
1993 PUBLIC IMPR ACCEPT--SAFEGWAY #1	1	Collection	12/31/1993	30	2021	2.05	13,841	15,350	1,509	31,480	3,096
1993 PUBLIC IMPR ACCEPT--OUTLOOK #6	1	Collection	1/23/1913	30	2021	82.28	41,866	46,431	4,565	3,820,268	375,598
1993 PUBLIC IMPR ACCEPT--COUNTRY ESTATES #3 PH7	1	Collection	12/31/1993	30	2021	2.05	11,897	13,194	1,297	27,058	2,660
1993 PUBLIC IMPR ACCEPT--COUNTRY ESTATES #3 PH7	1	Collection	12/31/1993	30	2021	2.05	11,529	12,786	1,257	26,221	2,579
1993 PUBLIC IMPR ACCEPT--BRMFLD CCLUB #9	1	Collection	12/31/1993	30	2021	2.05	16,366	18,150	1,784	37,222	3,659
1993 PUBLIC IMPR ACCEPT--BRMFLD CCLUB #8 PH5	1	Collection	12/31/1993	30	2021	2.05	29,056	32,224	3,168	66,085	6,498
Broomfield C Club #8 Phase 2 - Sanitary Sewer	1	Collection	12/31/1993	30	2021	2.05	12,745	14,135	1,390	28,988	2,852
Broomfield C Club #8 Phase3-Sanitary Sewer	1	Collection	12/31/1993	30	2021	2.05	22,771	25,254	2,483	51,791	5,093
92 SUNRIDGE LIFT STATION IMPROVEMENTS (RTU'S)	1	Collection	10/8/1992	30	2021	2.15	4,915	5,221	306	11,206	658
92 WASTEWATER NON-POTABLE WATER LINE @ PLANT	1	Collection	12/31/1992	30	2021	2.15	27,320	27,320	0	58,635	0
92 EMERALD PARK SEWER LINE IMPROVEMENT	1	Collection	12/31/1993	30	2021	2.05	141,188	150,990	9,803	309,650	20,103
SEWER MASTER PLAN UPDATE	1	Collection	11/18/1992	5	2021	2.15	49,141	49,141	0	105,468	0
92 PUBLIC IMP ACCEPT/WESTLAKE VILLAGE-FILING 11	1	Collection	12/31/1992	30	2021	2.15	21,669	23,174	1,505	49,737	3,231
92 PUBLIC IMP ACCEPT/TRAILS AT WESTLAKE-FILING2	1	Collection	12/31/1992	30	2021	2.15	15,582	16,665	1,083	35,767	2,323
92 PUBLIC IMP ACCEPT/THE OUTLOOK-FILING 5	1	Collection	12/31/1992	30	2021	2.15	15,737	16,830	1,093	36,122	2,346
92 PUBLIC IMP ACCEPT/INTERLOCKEN1	1	Collection	12/31/1992	30	2021	2.15	22,816	24,400	1,584	52,368	3,399
92 PUBLIC IMP ACCEPT/INTERLOCKEN	1	Collection	12/31/1992	30	2021	2.15	35,038	37,471	2,433	80,421	5,221
92 PUBLIC IMP ACCEPT/BRFLD CCLUB-FILING 8 PH1	1	Collection	12/31/1992	30	2021	2.15	72,590	77,629	5,040	166,610	10,816
92 PUBLIC IMP ACCEPT/WESTLAKE VILLAGE-FILING 11	1	Collection	12/31/1992	30	2021	2.15	37,564	40,172	2,608	86,218	5,598
92 PUBLIC IMP ACCEPT/TRAILS AT WESTLAKE-FILING 2	1	Collection	12/31/1992	30	2021	2.15	58,622	62,692	4,070	134,551	8,734
92 PUBLIC IMP ACCEPT/THE OUTLOOK-FILING 5	1	Collection	12/31/1992	30	2021	2.15	8,711	9,316	605	19,994	1,298
92 PUBLIC IMP ACCEPT/BRMFLD CCLUB-FILING 8 PH1	1	Collection	12/31/1992	30	2021	2.15	59,063	63,164	4,101	135,565	8,802
Highland Pk S Filing #2 - Storm Sewer	1	Collection	12/31/1991	30	2021	2.21	17,977	18,561	585	41,105	1,294
Jeffco Airport - Sanitary Sewer	1	Collection	12/31/1991	30	2021	2.21	49,454	51,063	1,608	113,081	3,562
Sunridge II - Sanitary Sewer	1	Collection	12/31/1991	30	2021	2.21	56,811	58,658	1,847	129,902	4,091
Diamond Shamrock - Sanitary Sewer	1	Collection	12/31/1991	30	2021	2.21	8,382	8,655	273	19,166	605
Highland Park S. Filing #2 - Sanitary Sewer	1	Collection	12/31/1991	30	2021	2.21	69,664	71,929	2,266	159,292	5,018
PUBLIC IMP--TRAILS @WESTLAKE 1990 SEWER SYSTEM	1	Collection	12/31/1990	30	2021	2.24	234,175	237,014	2,839	531,627	6,369
PUBLIC IMP--HUNTER DOUGLAS BSP 1990 SEWER SYSTEM	1	Collection	12/31/1990	30	2021	2.24	11,264	11,400	136	25,570	306
PUBLIC IMP--CRYSTAL PINES 1990 SEWER SYSTEM	1	Collection	12/31/1990	30	2021	2.24	121,767	123,244	1,477	276,439	3,312
PUBLIC IMP--COUNTRY ESTATES 1990 SEWER SYSTEM	1	Collection	12/31/1990	30	2021	2.24	49,283	49,880	597	111,882	1,339
SUNRIDGE GENERATOR PROJECT (90)	1	Collection	10/23/1990	30	2021	2.24	19,900	20,023	123	44,912	277
Hunter Douglas Sewer Lines	1	Collection	12/31/1989	30	2021	2.26	122,368	122,368	0	276,465	0
Brandywine #7 Sewer Lines	1	Collection	12/31/1989	30	2021	2.26	129,795	129,795	0	293,245	0
1989 LINE REPLACEMENT PROJECTS	1	Collection	10/11/1989	30	2021	2.26	7,743	7,743	0	17,494	0
1989 TELEMETRY PROJECT	1	Collection	12/31/1989	30	2021	2.26	40,913	40,913	0	92,434	0
1989 OUTLOOK GENERATOR PROJECT	1	Collection	12/31/1989	30	2021	2.26	20,569	20,569	0	46,472	0
1989 LAC AMORA LIFT PROJECT	1	Collection	12/31/1989	30	2021	2.26	15,904	15,904	0	35,933	0
1989 FRONT RANGE OUTFALL PROJECT	1	Collection	8/30/1989	30	2021	2.26	19,500	19,500	0	44,056	0
1989 SOUTH LINE PROJECT	1	Collection	9/20/1989	30	2021	2.26	13,311	13,311	0	30,074	0
SEWAGE COLLECTION SYSTEM	1	Collection	12/31/1988	12	2021	2.33	1,762,157	1,762,157	0	4,097,706	0
SEWAGE TREATMENT PLANT--2985 W 124TH AVE	1	Plant	12/31/1988	25	2021	2.33	14,410,757	14,410,757	0	33,510,652	0
2005 WWTP IMPR-DIGESTER CV	1	Plant	12/31/2005	40	2021	1.48	11,123,021	29,497,515	18,374,494	43,717,671	27,232,466
2005 PHASE 2 IMPR	1	Plant	12/31/2005	40	2021	1.48	504,123	1,336,902	832,779	1,981,395	1,234,245
2008 ADDITIONS--WWTP IMPR/EXP	1	Plant	12/31/2008	40	2021	1.39	63,372	211,240	147,868	292,811	204,968
SEWAGE COLLECTION SYSTEM--OLD BROOMFIELD	1	Collection	12/31/1988	5	2021	2.33	13,514	13,514	0	31,425	0
1997 PUBL IMPR ACCEPT/WILLOW PARK	1	Collection	12/31/1997	30	2021	1.90	95,681	125,255	29,574	238,051	56,207
1997 PUBL IMPR ACCEPT/WILLOW PARK	1	Collection	12/31/1997	30	2021	1.90	35,291	46,200	10,909	87,804	20,733
1997 PUBL IMPR ACCEPT/RIDGEVIEW HEIGHTS, PHS VI	1	Collection	12/31/1997	30	2021	1.90	23,421	30,660	7,239	58,270	13,759
1997 PUBL IMPR ACCEPT/VILLAGE SQUARE, SITEWIDE	1	Collection	12/31/1997	30	2021	1.90	11,413	14,940	3,528	28,394	6,704
1997 PUBL IMPR ACCEPT/VILLAGE SQUARE, SITEWIDE	1	Collection	12/31/1997	30	2021	1.90	4,965	6,500	1,535	12,353	2,917
1997 PUBL IMPR ACCEPT/WILLOW PARK	1	Collection	12/31/1997	30	2021	1.90	50,199	65,715	15,517	124,893	29,490
1997 PUBL IMPR ACCEPT/WILLOW PARK	1	Collection	12/31/1997	30	2021	1.90	23,833	31,200	7,367	59,296	14,001
1997 PUBL IMPR ACCEPT/BRANDYWINE, FILING 5	1	Collection	12/31/1997	30	2021	1.90	44,146	57,792	13,646	109,835	25,935
1997 PUBL IMPR ACCEPT/BRANDYWINE, FILING 6	1	Collection	12/31/1997	30	2021	1.90	65,236	85,400	20,165	162,305	38,323
1997 PUBL IMPR ACCEPT/BRANDYWINE, FILING 6	1	Collection	12/31/1997	30	2021	1.90	6,325	8,280	1,955	15,736	3,716
1997 SYSTEM WIDE TELEMETRY	1	Collection	12/31/1997	25	2021	1.90	29,224	31,997	2,773	60,811	5,270
1997 WILLOW RUN SEWER LINE	1	Collection	12/31/1997	30	2021	1.90	276,639	363,468	86,829	690,781	165,022
1998 WILLOW RUN LIFT STATION	1	Collection	12/31/1998	25	2021	1.84	840,432	962,327	121,895	1,771,197	224,352

City and County of Broomfield
Rate and License Fee Study
Wastewater Fixed Assets by Valuation Method

Item	Backbone Facilities (1 or 0)		Date Acquired	Useful Life	Current Year	Cost Index	Depreciation to Date	Original Cost	Book Value	Replacement Cost New	Replacement Cost New Less Depreciation
1998 WILLOW RUN LIFT STATION	1	Collection	12/31/1998	25	2021	1.84	73,427	84,077	10,650	154,747	19,601
1998 PUBLIC IMPR ACCEPTANCE--NORTHMOOR FILING #8	1	Collection	12/31/1998	30	2021	1.84	9,466	13,007	3,541	23,940	6,517
1998 PUBLIC IMPR ACCEPTANCE--COUNTRY VISTAS FLG #1	1	Collection	12/31/1998	30	2021	1.84	6,112	8,400	2,288	15,461	4,210
1998 PUBLIC IMPR ACCEPTANCE--PARK BUSINESS PLAZA	1	Collection	12/31/1998	30	2021	1.84	17,573	24,147	6,574	44,443	12,099
1998 PUBLIC IMPR ACCEPTANCE--INTERLOCKEN FILING #4	1	Collection	12/31/1998	30	2021	1.84	69,050	94,879	25,829	174,628	47,539
1998 PUBLIC IMPR ACCEPTANCE--RANGEVIEW TECH CENTER	1	Collection	12/31/1998	30	2021	1.84	67,743	93,083	25,340	171,323	46,640
1998 PUBLIC IMPR ACCEP--COUNTRY ESTATES FLG #4&5	1	Collection	12/31/1998	30	2021	1.84	16,472	22,634	6,162	41,659	11,341
1998 PUBLIC IMPR ACCEP--WILLOW RUN PHASE I	1	Collection	12/31/1998	30	2021	1.84	12,809	17,600	4,791	32,393	8,818
1998 PUBLIC IMPR ACCEP--WILLOW RUN PHASE II	1	Collection	12/31/1998	30	2021	1.84	12,809	17,600	4,791	32,393	8,818
1998 PUBLIC IMPR ACCEP--NORTHMOOR FILING #8	1	Collection	12/31/1998	30	2021	1.84	5,341	7,339	1,998	13,508	3,678
1998 PUBLIC IMPR ACCEPTANCE--PARK BUSINESS PLAZA	1	Collection	12/31/1998	30	2021	1.84	16,040	22,040	6,000	40,565	11,044
1998 PUBLIC IMPR ACCEP--INTERLOCKEN FILING #4	1	Collection	12/31/1998	30	2021	1.84	186,074	255,675	69,601	470,579	128,102
1998 PUBLIC IMPR ACCEP--INTERLOCKEN FILING #8	1	Collection	12/31/1998	30	2021	1.84	187,229	257,260	70,033	473,500	128,898
1998 PUBLIC IMPR ACCEP--COUNTRY ESTATES FLG #4&5	1	Collection	12/31/1998	30	2021	1.84	7,802	10,720	2,918	19,731	5,371
1998 PUBLIC IMPR ACCEP--WILLOW RUN FLG #2/PHS 2	1	Collection	12/31/1998	30	2021	1.84	1,601	2,200	599	4,049	1,103
1998 SYSTEM WIDE TELEMETRY	1	Collection	12/31/1998	25	2021	1.84	19,936	22,828	2,892	42,016	5,324
1998 PUBLIC IMPR ACCEPTANCE--INTERLOCKEN FILING #8	1	Collection	12/31/1998	30	2021	1.84	21,393	29,396	8,003	54,104	14,729
1998 PUBLIC IMPR ACCEPTANCE--COUNTRY VISTAS FLG #1	1	Collection	12/31/1998	30	2021	1.84	9,883	13,580	3,697	24,994	6,805
1999 PUBLIC IMPR ACC--BROADLANDS FILING 2	1	Collection	12/31/1999	30	2021	1.83	60,313	85,821	25,509	156,970	46,656
1999 PUBLIC IMPR ACC--CORPORATE EXPRESS	1	Collection	12/31/1999	30	2021	1.83	11,759	16,732	4,973	30,603	9,096
1999 PUBLIC IMPR ACC--INTERLOCKEN FILING 9/DIV IV	1	Collection	12/31/1999	30	2021	1.83	38,542	54,843	16,301	100,311	29,816
1999 PUBLIC IMPR ACC--BROOMFIELD TOWN CENTRE	1	Collection	12/31/1999	30	2021	1.83	119,932	170,654	50,722	312,133	92,773
1999 PUBLIC IMPR ACC--BROOMFIELD BANKING CENTER	1	Collection	12/31/1999	30	2021	1.83	787	1,120	333	2,049	609
1999 PUBLIC IMPR ACC--INTERLOCKEN FLG 4, DIV IV	1	Collection	12/31/1999	30	2021	1.83	70,501	100,318	29,817	183,486	54,536
1999 PUBLIC IMPR ACC--BROADLANDS METRO DISTRICT	1	Collection	12/31/1999	30	2021	1.83	757,830	1,078,336	320,506	1,972,318	586,217
1999 PUBLIC IMPR ACC--BROADLANDS FILING 1	1	Collection	12/31/1999	30	2021	1.83	76,742	109,199	32,456	199,729	59,364
1999 PUBLIC IMPR ACC--BROADLANDS FLG 3,PHS 1-2 UT	1	Collection	12/31/1999	30	2021	1.83	83,016	118,126	35,110	216,057	64,217
1999 PUBLIC IMPR ACC--MIRAMONTE FARMS FLG 3,PHS1-3	1	Collection	12/31/1999	30	2021	1.83	94,242	134,099	39,857	245,272	72,901
1999 PUBLIC IMPR ACC--RENTAL CITY	1	Collection	12/31/1999	30	2021	1.83	19,473	27,710	8,237	50,683	15,065
1999 PUBLIC IMPR ACC--BROADLANDS FILING 2	1	Collection	12/31/1999	30	2021	1.83	24,176	34,401	10,225	62,921	18,702
1999 PUBLIC IMPR ACC--INTERLOCKEN FLG 9, DIV IV	1	Collection	12/31/1999	30	2021	1.83	59,943	85,295	25,352	156,008	46,369
1999 PUBLIC IMPR ACC--BROOMFIELD TOWN CENTRE	1	Collection	12/31/1999	30	2021	1.83	63,404	90,221	26,817	165,018	49,049
1999 PUBLIC IMPR ACC--BROOMFIELD TOWN CENTRE	1	Collection	12/31/1999	30	2021	1.83	361,825	514,850	153,025	941,681	279,889
1999 PUBLIC IMPR ACC--BROOMFIELD BANKING CENTER	1	Collection	12/31/1999	30	2021	1.83	4,787	6,811	2,024	12,458	3,703
1999 PUBLIC IMPR ACC--INTERLOCKEN FILING 4, DIV IV	1	Collection	12/31/1999	30	2021	1.83	94,169	133,995	39,826	245,082	72,844
1999 PUBLIC IMPR ACC--BROADLANDS FILING 1	1	Collection	12/31/1999	30	2021	1.83	64,742	92,123	27,381	168,497	50,081
1999 PUBLIC IMPR ACC--BROADLANDS.FLG 3,PHS 1-2 UT	1	Collection	12/31/1999	30	2021	1.83	38,986	55,475	16,489	101,466	30,158
1999 PUBLIC IMPR ACC--MIRAMONTE FARMS FLG 3,PHS1-3	1	Collection	12/31/1999	30	2021	1.83	114,885	163,474	48,589	299,000	88,872
1999 SYSTEM WIDE TELEMETRY	1	Collection	12/31/1999	25	2021	1.83	24,872	29,493	4,621	53,944	8,451
2000 PUBLIC IMPR ACCEPT--BROADLANDS #4, PH 1	1	Collection	1/25/2000	30	2021	1.73	70,405	100,579	30,174	173,609	52,083
2000 PUBLIC IMPR ACCEPT--BROADLANDS #8, PHS 1	1	Collection	2/8/2000	30	2021	1.73	49,435	70,540	21,105	121,759	36,430
2000 PUBLIC IMPR ACCEPT--BROADLANDS #6	1	Collection	3/7/2000	30	2021	1.73	48,522	69,872	21,350	120,606	36,852
2000 PUBLIC IMPR ACCEPT--BROADLANDS #7	1	Collection	3/7/2000	30	2021	1.73	87,833	126,480	38,648	218,316	66,709
2000 PUBLIC IMPR ACCEPT--US 36/S 96TH ST SUB DIST	1	Collection	3/28/2000	30	2021	1.73	871,839	1,255,449	383,610	2,167,023	662,146
2000 PUBLIC IMPR ACCEPT--BROADLANDS W #1, PHS 1	1	Collection	5/9/2000	30	2021	1.73	101,259	146,990	45,731	253,719	78,935
2000 PUBLIC IMPR ACCEPT--BROADLANDS #5	1	Collection	5/9/2000	30	2021	1.73	99,627	144,620	44,993	249,628	77,663
2000 PUBLIC IMPR ACCEPT--BROADLANDS METRO DIST	1	Collection	5/9/2000	30	2021	1.73	318,640	462,543	143,903	798,393	248,390
2000 PUBLIC IMPR ACCEPT--ACCESS HEALTH/INTERL PKWY	1	Collection	5/23/2000	30	2021	1.73	12,003	17,425	5,422	30,077	9,359
2000 PUBLIC IMPR ACCEPT--INTERLOCKEN #14	1	Collection	5/23/2000	30	2021	1.73	68,292	99,133	30,841	171,113	53,235
2000 PUBLIC IMPR ACCEPT--INTERLOCKEN #15	1	Collection	5/23/2000	30	2021	1.73	1,612	2,340	728	4,039	1,257
2000 PUBLIC IMPR ACCEPT--BROADLANDS #4, PHS 1	1	Collection	2/8/2000	30	2021	1.73	38,496	54,995	16,499	94,927	28,480
2000 PUBLIC IMPR ACCEPT--BROADLANDS #8, PHS 1	1	Collection	2/8/2000	30	2021	1.73	51,307	73,588	22,281	127,020	38,459
2000 PUBLIC IMPR ACCEPT--BROADLANDS #6	1	Collection	3/7/2000	30	2021	1.73	39,070	56,261	17,191	97,112	29,673
2000 PUBLIC IMPR ACCEPT--BROADLANDS #7	1	Collection	3/7/2000	30	2021	1.73	58,128	83,705	25,578	144,483	44,149
2000 PUBLIC IMPR ACCEPT--US 36/S 96TH ST SUB DIST	1	Collection	3/28/2000	30	2021	1.73	2,537,720	3,654,317	1,116,597	6,307,694	1,927,351
2000 PUBLIC IMPR ACCEPT--BROADLANDS W #1, PHS 1	1	Collection	5/9/2000	30	2021	1.73	84,464	122,609	38,145	211,635	65,842
2000 PUBLIC IMPR ACCEPT--BROADLANDS #5	1	Collection	5/9/2000	30	2021	1.73	46,737	67,845	21,108	117,107	36,434
2000 PUBLIC IMPR ACCEPT--US 36/S 96TH ST SUB DIST	1	Collection	10/24/2000	30	2021	1.73	67,154	99,488	32,334	171,726	55,811
2000 PUBLIC IMPR ACCEPT--US 36/S 96TH ST SUB DIST	1	Collection	10/24/2000	30	2021	1.73	345,767	512,247	166,480	884,186	287,361
2000 PUBLIC IMPR ACCEPT--JEFFCO BUSINESS CTR	1	Collection	10/24/2000	30	2021	1.73	465,320	689,363	224,043	1,189,905	386,720
2000 PUBLIC IMPR ACCEPT--WILLOW RUN #4, PHS 1-4	1	Collection	10/24/2000	30	2021	1.73	72,776	107,817	35,041	186,102	60,484
2000 PUBLIC IMPR ACCEPT--WILLOW RUN #5, PHS 1-4	1	Collection	10/24/2000	30	2021	1.73	107,082	158,640	51,558	273,828	88,995
2000 PUBLIC IMPR ACCEPT--SUN MICROSYS COLO CAMPUS	1	Collection	11/14/2000	30	2021	1.73	113,970	169,125	55,155	291,926	95,202
2000 PUBLIC IMPR ACCEPT--TOWNE PLACE SUITES	1	Collection	11/14/2000	30	2021	1.73	11,595	17,250	5,655	29,775	9,760

City and County of Broomfield
Rate and License Fee Study
Wastewater Fixed Assets by Valuation Method

Item	Backbone Facilities (1 or 0)		Date Acquired	Useful Life	Current Year	Cost Index	Depreciation to Date	Original Cost	Book Value	Replacement Cost New	Replacement Cost New Less Depreciation
2000 PUBLIC IMPR ACCEPT--JEFFCO BUSINESS CTR	1	Collection	12/5/2000	30	2021	1.73	88,112	131,620	43,508	227,188	75,099
2000 PUBLIC IMPR ACCEPT--WILLOW RUN #4, PHS 1-4	1	Collection	10/24/2000	30	2021	1.73	71,053	105,265	34,212	181,697	59,053
2000 PUBLIC IMPR ACCEPT--WILLOW RUN #5, PHS 1-4	1	Collection	10/24/2000	30	2021	1.73	24,097	35,700	11,603	61,622	20,028
2000 PUBLIC IMPR ACCEPT--JEFFCO BUSINESS CTR	1	Collection	12/5/2000	30	2021	1.73	72,256	107,935	35,679	186,306	61,585
2000 FRONT RANGE OUTFALL -5.3407.434.9657	1	Collection	12/31/2000	25	2021	1.73	474,283	590,394	116,111	1,019,075	200,418
2000 LAC AMORA STATION UPGRADE-5.3407.434.96.58	1	Collection	12/31/2000	25	2021	1.73	21,537	26,810	5,273	46,276	9,101
2000 WWTP ODOR CONTROL STUDY-5.3407.434.96-60	1	Plant	12/31/2000	15	2021	1.73	951,857	951,857	0	1,642,994	0
2000 WW MASTER/201 FACILITY MT-5.3407.434.97-76	1	Collection	12/31/2000	25	2021	1.73	157,266	195,766	38,501	337,911	66,456
2000 HOLY FAMILY HIGH SCHOOL SVC-5.3407.434.9855	1	Collection	12/31/2000	25	2021	1.73	41,512	51,675	10,163	89,196	17,542
2001 PUBLIC IMPR ACCEPT-BROADLANDS #9	1	Collection	12/11/2001	25	2021	1.76	192,422	252,082	59,660	444,790	105,268
2001 PUBLIC IMPR ACCEPT-BROADLANDS #4	1	Collection	12/11/2001	25	2021	1.76	60,238	78,915	18,677	139,243	32,954
2001 PUBLIC IMPR ACCEPT-WILLOW RUN #5/#3	1	Collection	12/11/2001	25	2021	1.76	164,920	216,053	51,133	381,218	90,222
2001 PUBLIC IMPR ACCEPT-BROADLANDS WEST #1	1	Collection	12/11/2001	25	2021	1.76	84,377	110,538	26,161	195,040	46,160
2001 PUBLIC IMPR ACCEPT-MCKAY LANDING #1	1	Collection	12/11/2001	25	2021	1.76	445,538	583,675	138,137	1,029,874	243,738
2001 PUBLIC IMPR ACCEPT-MTN VIEW CORP/JEFFCO	1	Collection	11/27/2001	25	2021	1.76	8,289	10,838	2,549	19,123	4,498
2001 PUBLIC IMPR ACCEPT-ASPEN CREEK #3	1	Collection	6/5/2001	25	2021	1.76	415,935	530,981	115,046	936,897	202,995
2001 PUBLIC IMPR ACCEPT-MTN VIEW CORP/LINCOLN SPT	1	Collection	5/15/2001	25	2021	1.76	44,631	56,735	12,104	100,107	21,357
2001 PUBLIC IMPR ACCEPT-JEFFCO BUSINESS CTR	1	Collection	10/23/2001	25	2021	1.76	104,719	136,000	31,281	239,967	55,194
2001 PUBLIC IMPR ACCEPT-BROADLANDS #9	1	Collection	12/11/2001	25	2021	1.76	60,219	78,890	18,671	139,199	32,944
2001 PUBLIC IMPR ACCEPT-BROADLANDS #4	1	Collection	12/11/2001	25	2021	1.76	26,250	34,390	8,140	60,680	14,362
2001 PUBLIC IMPR ACCEPT-WILLOW RUN #5/#3	1	Collection	12/11/2001	25	2021	1.76	33,586	44,000	10,414	77,636	18,374
2001 PUBLIC IMPR ACCEPT-MCKAY LANDING #1	1	Collection	12/11/2001	25	2021	1.76	286,857	375,796	88,939	663,079	156,930
2001 PUBLIC IMPR ACCEPT-HORIZONS/FLATIRON CR	1	Collection	7/24/2001	25	2021	1.76	8,267	10,600	2,333	18,703	4,116
2001 PUBLIC IMPR ACCEPT-ASPEN CREEK #3	1	Collection	6/5/2001	25	2021	1.76	68,561	87,525	18,964	154,435	33,461
2001 PUBLIC IMPR ACCEPT-MTN VIEW/LINCOLN SPT	1	Collection	5/15/2001	25	2021	1.76	95,853	121,847	25,994	214,995	45,866
2001 PUBLIC IMPR ACCEPT-BROADLANDS W#1	1	Collection	12/11/2001	25	2021	1.76	29,106	38,131	9,025	67,281	15,925
2001 SEWER LINE REPL	1	Collection	12/31/2001	25	2021	1.76	10,903	14,284	3,381	25,204	5,966
2001 SEWER LINE REPL PRIOR TO 2001	1	Collection	1/1/2001	25	2021	1.76	44,756	55,714	10,958	98,306	19,335
2001 OLD BRMFLD INTERCEPTOR REP PRIOR TO 2001	1	Collection	1/1/2001	25	2021	1.76	9,493	12,143	2,650	21,426	4,675
2001 SOUTH OUTFALL LINE-PHS 4 PRIOR TO 2001	1	Collection	1/1/2001	25	2021	1.76	3,688,104	4,717,419	1,029,315	8,323,719	1,816,190
2001 SERVICE TO JEFFCO AIRPORT PRIOR TO 2001	1	Collection	1/1/2001	25	2021	1.76	1,040,301	1,330,640	290,338	2,347,867	512,292
2001 96TH ST OUTFALL LINE PRIOR TO 2001	1	Collection	1/1/2001	25	2021	1.76	1,335,693	1,708,473	372,780	3,014,540	657,757
2001 EAGLE CC LN REPL/EXT 3RD PRIOR TO 2001	1	Collection	1/1/2001	25	2021	1.76	329,641	421,641	92,000	743,971	162,331
2001 SYSTEM WIDE TELEMETRY	1	Collection	12/31/2001	25	2021	1.76	5,260	6,921	1,661	12,212	2,931
2002 SEWER LINE REPLACEMENT	1	Collection	12/31/2002	25	2021	1.73	97,895	135,338	37,444	234,712	64,937
2002 SYSTEM WIDE TELEMETRY	1	Collection	12/31/2002	25	2021	1.73	5,331	7,371	2,039	12,783	3,537
2002 ROCK CREEK LIFT STATION	1	Collection	12/31/2002	25	2021	1.73	778,090	1,075,701	297,611	1,865,542	516,134
2002 SOUTH OUTFALL LINE-PHASE 5	1	Collection	12/31/2002	25	2021	1.73	951,842	1,315,912	364,069	2,282,130	631,390
2002 RIDGE DEV SAN SEWER	1	Collection	12/31/2002	25	2021	1.73	29,470	40,743	11,272	70,658	19,549
2002 SEWER LINE-LEVEL 3/DET CTR	1	Collection	12/31/2002	25	2021	1.73	67,634	93,503	25,869	162,159	44,864
2002 PUBLIC IMPR ACCEPT-FLATIRON MKTPL #1	1	Collection	1/8/2002	25	2021	1.73	157,335	207,020	49,685	359,026	86,167
2002 PUBLIC IMPR ACCEPT-MIRAMONTE FARMS #4 & #6	1	Collection	1/8/2002	25	2021	1.73	16,621	21,871	5,250	37,930	9,105
2002 PUBLIC IMPR ACCEPT-MIRAMONTE FARMS #4 & #6	1	Collection	1/8/2002	25	2021	1.73	66,508	87,511	21,003	151,767	36,425
2002 PUBLIC IMPR ACCEPT-BROADLANDS #3	1	Collection	1/8/2002	25	2021	1.73	35,811	47,121	11,309	81,719	19,613
2002 PUBLIC IMPR ACCEPT-BROADLANDS #3	1	Collection	1/8/2002	25	2021	1.73	36,799	48,420	11,621	83,973	20,153
2002 PUBLIC IMPR ACCEPT-BROADLANDS #11	1	Collection	1/8/2002	25	2021	1.73	31,481	41,423	9,942	71,838	17,242
2002 PUBLIC IMPR ACCEPT-SUN MICROSYSTEMS PHS 2	1	Collection	1/22/2002	25	2021	1.73	11,545	15,191	3,646	26,345	6,323
2002 PUBLIC IMPR ACCEPT-MIDCITIES METRO DISTRICT 1	1	Collection	2/12/2002	25	2021	1.73	43,194	57,084	13,890	98,998	24,090
2002 PUBLIC IMPR ACCEPT-MIDCITIES METRO DIST 1	1	Collection	2/12/2002	25	2021	1.73	221,028	292,107	71,079	506,589	123,270
2002 PUBLIC IMPR ACCEPT--FLATIRON CROSSING SUBDV,2	1	Collection	3/26/2002	25	2021	1.73	16,573	22,000	5,427	38,154	9,413
2002 PUBLIC IMPR ACCEPT--FLATIRON CROSSING SUBDV,2	1	Collection	3/26/2002	25	2021	1.73	514,319	682,724	168,406	1,184,020	292,059
2002 PUBLIC IMPR ACCEPT--BROOMFIELD CORP CTR	1	Collection	4/9/2002	25	2021	1.73	87,194	116,260	29,066	201,625	50,408
2002 PUBLIC IMPR ACCEPT--BROOMFIELD CORP CTR	1	Collection	4/9/2002	25	2021	1.73	115,666	154,222	38,556	267,461	66,867
2002 PUBLIC IMPR ACCEPT--THE RIDGE @BRMFLD-LEVEL 3	1	Collection	5/14/2002	25	2021	1.73	720,250	964,621	244,371	1,672,902	423,803
2002 PUBLIC IMPR ACCEPT--THE RIDGE @BRMFLD-LEVEL 3	1	Collection	5/14/2002	25	2021	1.73	414,607	555,278	140,671	962,995	243,959
2002 PUBLIC IMPR ACCEPT--BROADLANDS FILING 12/PHS 1	1	Collection	6/4/2002	25	2021	1.73	198,387	266,890	68,502	462,856	118,801
2002 PUBLIC IMPR ACCEPT--BROADLANDS FILING 12/PHS 1	1	Collection	6/4/2002	25	2021	1.73	134,906	181,488	46,582	314,748	80,786
2002 PUBLIC IMPR ACCEPT--W 144TH & LOWELL INT/PHS 2	1	Collection	6/25/2002	25	2021	1.73	34,833	46,861	12,028	81,269	20,860
2002 PUBLIC IMPR ACCEPT--W 144TH & LOWELL INT/PHS 2	1	Collection	6/25/2002	25	2021	1.73	252,370	339,512	87,142	588,801	150,126
2002 PUBLIC IMPR ACCEPT--MIDCITIES FILING 6	1	Collection	8/13/2002	25	2021	1.73	152,303	206,747	54,444	358,553	94,419
2002 PUBLIC IMPR ACCEPT--MIDCITIES FILING 6	1	Collection	8/13/2002	25	2021	1.73	185,395	251,667	66,272	436,455	114,933
2002 PUBLIC IMPR ACCEPT--BROADLANDS FILING 10	1	Collection	8/13/2002	25	2021	1.73	164,613	223,457	58,844	387,532	102,051
2002 PUBLIC IMPR ACCEPT--BROADLANDS FILING 10	1	Collection	8/13/2002	25	2021	1.73	135,721	184,237	48,516	319,514	84,140
2002 PUBLIC IMPR ACCEPT--MCKAY LANDING FILING 1	1	Collection	8/13/2002	25	2021	1.73	17,913	24,317	6,404	42,172	11,106

City and County of Broomfield
Rate and License Fee Study
Wastewater Fixed Assets by Valuation Method

Item	Backbone Facilities (1 or 0)		Date Acquired	Useful Life	Current Year	Cost Index	Depreciation to Date	Original Cost	Book Value	Replacement Cost New	Replacement Cost New Less Depreciation
2002 PUBLIC IMP ACCEPT--COUNTRY ESTATES FILING 8	1	Collection	8/27/2002	25	2021	1.73	14,797	19,944	5,147	34,588	8,927
2002 PUBLIC IMP ACCEPT--COUNTRY ESTATES FILING 8	1	Collection	8/27/2002	25	2021	1.73	8,177	11,100	2,923	19,250	5,069
2002 PUBLIC IMP ACCEPT--GREAT WESTERN LIFT STATION	1	Collection	8/27/2002	25	2021	1.73	1,441,738	1,957,110	515,372	3,394,134	893,789
2002 PUBLIC IMP ACCEPT--ASPEN CREEK #4	1	Collection	9/10/2002	25	2021	1.73	39,746	54,200	14,454	93,997	25,066
2002 PUBLIC IMP ACCEPT--ASPEN CREEK #4	1	Collection	9/10/2002	25	2021	1.73	50,886	69,390	18,504	120,340	32,091
2002 PUBLIC IMPR ACCEPT--ASPEN CREEK #5	1	Collection	9/10/2002	25	2021	1.73	222,420	303,300	80,880	526,000	140,267
2002 PUBLIC IMP ACCEPT--ASPEN CREEK #5	1	Collection	9/10/2002	25	2021	1.73	65,655	89,530	23,875	155,268	41,406
2002 PUBLIC IMP ACCEPT--ASPEN CREEK #6	1	Collection	9/10/2002	25	2021	1.73	75,111	102,425	27,314	177,631	47,369
2002 PUBLIC IMP ACCEPT--ASPEN CREEK #6	1	Collection	9/10/2002	25	2021	1.73	34,888	47,575	12,687	82,507	22,003
2002 PUBLIC IMP ACCEPT--MIDCITIES FILING 1/2	1	Collection	9/10/2002	25	2021	1.73	47,226	64,400	17,174	111,686	29,783
2002 PUBLIC IMP ACCEPT--MIDCITIES FILING 1/2	1	Collection	9/10/2002	25	2021	1.73	70,840	96,600	25,760	167,529	44,674
2002 PUBLIC IMP ACCEPT--GWP/MCDATA BLDG #3A	1	Collection	10/22/2002	25	2021	1.73	76,869	105,300	28,431	182,617	49,307
2002 PUBLIC IMP ACCEPT--GWP/MCDATA BLDG #3	1	Collection	10/22/2002	25	2021	1.73	261,959	358,849	96,890	622,337	168,032
2002 PUBLIC IMP ACCEPT--BROADLANDS FILING 14-UTIL	1	Collection	11/26/2002	25	2021	1.73	64,356	88,564	24,208	153,593	41,983
2002 PUBLIC IMP ACCEPT--BROADLANDS FILING 14-UTIL	1	Collection	11/26/2002	25	2021	1.73	124,751	171,676	46,926	297,730	81,381
2002 PUBLIC IMP ACCEPT--BROADLANDS FILING 15-UTIL	1	Collection	11/26/2002	25	2021	1.73	126,880	174,606	47,726	302,812	82,769
2002 PUBLIC IMP ACCEPT--BROADLANDS FILING 15-UTIL	1	Collection	11/26/2002	25	2021	1.73	22,526	31,000	8,474	53,762	14,696
2002 PUBLIC IMP ACCEPT--ASPEN CREEK FILING 7-UTIL	1	Collection	12/10/2002	25	2021	1.73	182,533	252,350	69,817	437,640	121,081
2002 PUBLIC IMP ACCEPT--ASPEN CREEK FILING 7-UTIL	1	Collection	12/10/2002	25	2021	1.73	70,805	97,887	27,082	169,761	46,967
2002 PUBLIC IMP ACCEPT--MCKAY LANDING FILING 2	1	Collection	12/17/2002	25	2021	1.73	304,066	420,368	116,302	729,026	201,698
2002 PUBLIC IMP ACCEPT--MCKAY LANDING FILING 2	1	Collection	12/17/2002	25	2021	1.73	539,120	745,328	206,208	1,292,591	357,617
2003 INTERLOCKEN LINE	1	Collection	12/31/2003	25	2021	1.64	336,417	492,318	155,901	807,650	255,756
2003 SUNNYSLOPE SEWER LINE	1	Collection	12/31/2003	25	2021	1.64	682,863	999,312	316,449	1,639,376	519,136
2003 GREAT WESTERN PARK SEWER	1	Collection	12/31/2003	25	2021	1.64	1,159,531	1,696,875	537,344	2,783,732	881,515
2003 PUBLIC IMPR ACCEPT--SAN SEWER LINE-23,185 LF	1	Collection	12/31/2003	25	2021	1.64	728,564	1,066,191	337,627	1,749,092	553,879
2003 PUBLIC IMPR ACCEPT--STORM SEWER-7,273 LF	1	Collection	12/31/2003	25	2021	1.64	615,461	900,675	285,214	1,477,562	467,895
2003 PUBLIC IMPR ACCEPT--MIRAMONTE LIFT STATION	1	Building	12/31/2003	40	2021	1.64	95,074	222,612	127,538	365,196	209,227
2003 SEWER LINE REPL	1	Collection	1/1/2004	25	2021	1.51	76,082	111,885	35,803	168,903	54,049
2004 PUBLIC IMPR ACCEPT--SAN SWR LINE-42,363 LF	1	Collection	12/31/2004	25	2021	1.51	1,634,453	2,540,602	906,149	3,835,324	1,367,933
2004 PUBLIC IMPR ACCEPT--STORM SWR LINE-23,572 LF	1	Collection	12/31/2004	25	2021	1.51	1,257,140	1,954,105	696,965	2,949,941	1,052,147
2004 NORTH OUTFALL LINE	1	Collection	12/31/2004	25	2021	1.51	168,118	261,325	93,206	394,499	140,706
1998-2003 NORTH OUTFALL LINE	1	Collection	1/1/2004	25	2021	1.51	1,618,933	2,376,860	757,927	3,588,137	1,144,176
2005 PUBLIC IMPR--SANITARY SEWER--15,220 LF	1	Collection	12/31/2005	50	2021	1.48	179,168	593,928	414,760	880,249	614,707
2005 PUBLIC IMPR ACCEPT--STORM SEWER-8,347 LF	1	Collection	12/31/2005	50	2021	1.48	168,008	556,932	388,924	825,418	576,417
2005 SEWER LINE REPL/EX	1	Collection	12/31/2005	50	2021	1.48	4,009	13,290	9,281	19,697	13,755
2004 SEWER LINE REPL/EX	1	Collection	12/31/2004	25	2021	1.51	89,315	138,832	49,517	209,582	74,751
2006 ACCEPT OF PUBL IMPR--SANITARY SEWER-24,023 LF	1	Collection	12/31/2006	50	2021	1.44	385,819	1,369,772	983,953	1,972,291	1,416,763
2006 ACCEPT OF PUBLIC IMPR--STORM SEWER-7,796 LF	1	Collection	12/31/2006	50	2021	1.44	222,202	788,884	566,682	1,135,889	815,947
2007 ACCEPT OF PUBLIC IMPR--SAN SEWER-704 LF	1	Collection	12/31/2007	50	2021	1.43	14,092	53,856	39,764	77,105	56,929
2007 ACCEPT OF PUBLIC IMPR--STORM SEWER-347 LF	1	Collection	12/31/2007	50	2021	1.43	10,012	38,264	28,252	54,782	40,448
2007 SEWER LINE REPL	1	Collection	12/31/2007	50	2021	1.43	44,260	169,146	124,886	242,164	178,798
2007 SEWER LINE-SHERIDAN UTILITY RELOCATE	1	Collection	12/31/2007	50	2021	1.43	65,417	250,000	184,583	357,921	264,265
2008 SEWER LINE REPL/EX	1	Collection	12/31/2008	50	2021	1.39	40,592	169,137	128,544	234,449	178,182
2008 PUBL IMPR ACCEPT--SANITARY SEWER-45,770 LF	1	Collection	12/31/2008	50	2021	1.39	718,126	2,992,191	2,274,065	4,147,633	3,152,200
2008 PUBL IMPR ACCEPT--STORM SEWER--28,159 LF	1	Collection	12/31/2008	50	2021	1.39	1,073,120	4,471,334	3,398,214	6,197,950	4,710,443
WW LIFTSTATION-WILDGRASS - 2008 PUBL IMPR ACCEPT	1	Collection	12/31/2008	50	2021	1.39	185,853	774,388	588,535	1,073,420	815,799
2008 PUBL IMPR ACCEPT--WW LIFT STATION-LAMBERTSON	1	Collection	12/31/2008	50	2021	1.39	197,974	824,893	626,919	1,143,427	869,005
2009 PUBL ACCEPT-LIFT STATION @ ANTHEM	1	Collection	12/31/2009	40	2021	1.30	1,109,947	4,036,170	2,926,223	5,235,372	3,795,645
2009 PUBL ACCEPT--SANITARY SEWER-135,883 LF	1	Collection	12/31/2009	50	2021	1.30	2,312,034	10,509,247	8,197,213	13,631,690	10,632,719
2009 PUBL ACCEPT--STORM SEWER--70,084 LF	1	Collection	12/31/2009	50	2021	1.30	2,931,108	13,323,219	10,392,111	17,281,733	13,479,751
2009 SEWER LINE REPLACEMENT & EXTENSION	1	Collection	12/31/2009	50	2021	1.30	39,885	181,296	141,411	235,162	183,426
2010 PUBLIC ACCEPT IMPR--SANITARY SEWER LINE	1	Collection	12/7/2010	50	2021	1.29	49,436	247,181	197,745	317,917	254,334
2010 PUBLIC ACCEPT IMPR--STORM SEWER	1	Collection	12/7/2010	50	2021	1.29	128,765	643,826	515,061	828,071	662,458
WASTEWATER EXPANSION PHASE II	1	Plant	12/31/2010	40	2021	1.29	8,104,643	32,418,570	24,313,927	41,695,881	31,271,911
2011 PUBLIC ACCEPT IMP--SANITARY SEWER LN 23,414 LF	1	Collection	12/31/2011	50	2021	1.19	242,084	1,332,571	1,090,487	1,592,120	1,302,885
2011 PUBLIC ACCEPT IMP--STORM SEWER LINE-3 CULVERTS	1	Collection	12/31/2011	50	2021	1.19	1,600	8,810	7,210	10,526	8,614
2011 PUBLIC ACCEPT IMP--STORM SEWER LINE 11,262 LF	1	Collection	12/31/2011	50	2021	1.19	277,307	1,526,457	1,249,150	1,823,770	1,492,451
2012 PUBL ACCEPT--SANITARY SWR-55,148 LF	1	Collection	12/31/2012	50	2021	1.18	749,547	4,636,372	3,886,825	5,465,820	4,582,179
2012 PUBL ACCEPT STORM SEWER-4,663 LF	1	Collection	12/31/2012	50	2021	1.18	332,021	2,053,739	1,721,718	2,421,154	2,029,734
2012 PUBL ACCEPT--SANITARY SEWER LINES 904 LF	1	Collection	12/31/2012	50	2021	1.18	27,705	171,373	143,668	202,032	169,370
2012 PUBL ACCEPT--STORM SEWER LINES 345 LF	1	Collection	12/31/2012	50	2021	1.18	8,660	53,567	44,907	63,150	52,941
2013 Public Acceptance--Sanitary Sewer--30,306 LF	1	Collection	12/31/2013	50	2021	1.17	267,624	1,911,599	1,643,975	2,242,838	1,928,841
2013 Public Acceptance--Storm Sewer Lines-6,582 LF	1	Collection	12/31/2013	50	2021	1.17	160,566	1,146,900	986,334	1,345,633	1,157,245
2014 Sewer Line Replacement	1	Collection	12/31/2013	50	2021	1.17	13,503	96,447	82,944	113,159	97,316

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2014 Public Accept--Sanitary Sewer	1	Collection	12/31/2014	50	2021	1.16	166,942	1,391,186	1,224,244	1,618,118	1,423,944
2014 Public Accept--Storm Sewer	1	Collection	12/31/2014	50	2021	1.16	84,907	707,555	622,648	822,972	724,216
Midcities Sanitary Sewer Improvements	1	Collection	12/31/2014	50	2021	1.16	60,604	505,033	444,429	587,415	516,925
Dry Creek Valley Sanitary and Storm Sewer	1	Collection	12/31/2014	50	2021	1.16	48,421	403,515	355,093	469,336	413,016
2015 Public Acceptance - Sanitary Sewer lines	1	Collection	12/31/2015	50	2021	1.16	181,048	1,810,483	1,629,435	2,105,892	1,895,303
2015 Public Acceptance - Storm Sewer lines	1	Collection	12/31/2015	50	2021	1.16	58,253	582,530	524,277	677,579	609,821
North Area Lift Station	1	Collection	12/31/2015	50	2021	1.16	996,253	9,962,531	8,966,278	11,588,076	10,429,269
North Area Sewer Lines	1	Collection	12/31/2015	50	2021	1.16	10,240	102,402	92,161	119,110	107,199
Sewer Mainline Lining	1	Collection	12/31/2015	50	2021	1.16	28,489	284,893	256,403	331,377	298,240
Rock Creek Lift Station	1	Collection	12/31/2015	50	2021	1.16	29,503	295,029	265,526	343,167	308,850
North Area Force Main	1	Collection	12/31/2015	50	2021	1.16	80,412	804,121	723,709	935,326	841,794
MidCities Sanitary Sewer Lines	1	Collection	12/31/2015	50	2021	1.16	13,744	137,442	123,697	159,867	143,880
Walnut Creek Culvert (at Indiana Street)	1	Collection	12/31/2015	50	2021	1.16	73,665	736,650	662,985	856,846	771,161
2016 Public Acceptance - Sanitary Sewer lines - 37,050 LF	1	Collection	12/31/2016	50	2021	1.12	247,475	3,093,439	2,845,964	3,455,346	3,178,918
2016 Public Acceptance - Storm Sewer lines - 13,036 LF	1	Collection	12/31/2016	50	2021	1.12	160,509	2,006,357	1,845,848	2,241,084	2,061,798
Nickel Street - BNSF Pipeline	1	Collection	12/31/2016	50	2021	1.12	1,511	18,890	17,379	21,100	19,413
Nickel Street Stormwater Sewer	1	Collection	12/31/2016	50	2021	1.12	2,480	30,997	28,517	34,623	31,854
Nickel Street Storm Crossing	1	Collection	12/31/2016	50	2021	1.12	33,103	413,792	380,689	462,202	425,226
2017 Public Acceptance - Sanitary Sewer lines - 22,056 LF	1	Collection	12/31/2017	50	2021	1.11	93,658	1,560,972	1,467,314	1,732,714	1,628,751
2017 Public Acceptance - Storm Sewer lines - 5,442 LF	1	Collection	12/31/2017	50	2021	1.11	39,491	658,177	618,686	730,591	686,756
Broomfield County Commons-Storm Drainage line	1	Drainage	12/31/2017	25	2021	1.11	30,000	250,000	220,000	277,506	244,205
120th Ave to E Midway Ave - Sewer/Drainage	1	Drainage	12/31/2017	25	2021	1.11	163,850	1,365,417	1,201,567	1,515,643	1,333,766
Alter St & Industrial Land Storm Drainage	1	Drainage	12/31/2017	25	2021	1.11	11,672	97,269	85,596	107,970	95,014
DesCombes Dr & Spader Way Drainage Imp	1	Drainage	12/31/2017	25	2021	1.11	6,587	54,895	48,308	60,935	53,623
6th Ave Drainage Imp	1	Drainage	12/31/2017	25	2021	1.11	12,947	107,889	94,942	119,759	105,388
120th Ave Connection - Sewerline	1	Collection	12/31/2017	50	2021	1.11	84,782	1,413,037	1,328,255	1,568,503	1,474,393
2018 Public Acceptance - Sanitary Sewer lines - 9,867 LF	1	Collection	12/31/2018	50	2021	1.10	38,310	957,745	919,435	1,048,775	1,006,824
2018 Public Acceptance - Storm Sewer lines - 1,415 LF	1	Collection	12/31/2018	50	2021	1.10	10,972	274,307	263,335	300,379	288,364
Lowell Blvd. - Midway to 136th Sewer Improvements	1	Collection	12/31/2018	50	2021	1.10	20,766	519,139	498,374	568,481	545,742
Primary Clarifier Drive #1 (North)	1	Collection	7/31/2019	15	2021	1.09	6,131	57,658	51,527	62,948	56,255
Primary Clarifier Drive #2 (South)	1	Collection	7/31/2019	15	2021	1.09	6,131	57,658	51,527	62,948	56,255
DAF Lift Station	1	Collection	7/31/2019	15	2021	1.09	20,772	196,000	175,228	213,983	191,305
Digester #1 Sludge Spiral Heat Exchanger	1	Collection	7/31/2019	25	2021	1.09	6,650	98,000	91,350	106,991	99,732
Digester #2 - Methane Gas Piping	1	Collection	7/31/2019	15	2021	1.09	7,893	74,500	66,607	81,335	72,719
Digester #3 - Methane Gas Piping	1	Collection	7/31/2019	15	2021	1.09	7,893	74,500	66,607	81,335	72,719
DAF Pressurization System	1	Collection	7/31/2019	15	2021	1.09	3,150	29,000	25,850	31,661	28,222
Quail Creek Channel Improvements	1	Collection	12/31/2018	50	2021	1.10	3,398	84,955	81,556	93,029	89,308
Brunner Reservoir Culvert	1	Collection	12/31/2018	50	2021	1.10	1,578	39,440	37,862	43,188	41,461
Wastewater Treatment Facility Admin Bldg & Lab Expansion	1	Plant	12/31/2018	40	2021	1.10	196,989	3,939,774	3,742,785	4,314,236	4,098,524
Wastewater Treatment Facility Admin Bldg & Lab Expansion - Roof	1	Plant	12/31/2018	40	2021	1.10	12,394	247,870	235,476	271,429	257,857
Wastewater Treatment Facility Admin Bldg & Lab Expansion-Flooring	1	Plant	12/31/2018	10	2021	1.10	36,553	182,766	146,213	200,138	160,110
Wastewater Treatment Facility Admin Bldg & Lab Expansion-Wiring	1	Plant	12/31/2018	15	2021	1.10	67,550	506,628	439,078	554,782	480,811
Wastewater Treatment Facility Admin Bldg & Lab Expansion-Access Control S	1	Plant	12/31/2018	15	2021	1.10	5,284	39,632	34,348	43,399	37,613
Primary Clarifier Process Cover #1 North	1	Collection	9/6/2019	25	2021	1.09	28,514	570,273	541,760	622,596	591,466
Primary Clarifier Process Cover #2 South	1	Collection	9/6/2019	25	2021	1.09	28,514	570,273	541,760	622,596	591,466
Primary Clarifier Process Cover #3 West	1	Collection	9/6/2019	25	2021	1.09	31,748	634,958	603,210	693,215	658,555
Culvert - 136th Ave & Community Ditch	1	Collection	11/30/2019	50	2021	1.09	10,292	475,011	464,719	518,593	507,357
Culvert - Aspen St & Community Ditch	1	Collection	11/30/2019	50	2021	1.09	4,281	197,569	193,289	215,696	211,023
2019 Public Acceptance - Sanitary Sewer Lines - Great Western Park	1	Collection	12/31/2019	50	2021	1.09	16,473	823,624	807,152	899,191	881,208
2019 Public Acceptance - Sanitary Sewer Lines - Palisade Park	1	Collection	12/31/2019	50	2021	1.09	15,620	780,977	765,357	852,631	835,579
2019 Public Acceptance - Sanitary Sewer Lines - Anthem	1	Collection	12/31/2019	50	2021	1.09	22,304	1,115,211	1,092,906	1,217,531	1,193,180
2019 Public Acceptance - Sanitary Sewer Lines - Hansen's Corner	1	Collection	12/31/2019	50	2021	1.09	293	14,654	14,361	15,998	15,679
2019 Public Acceptance - Sanitary Sewer Lines - Parkway Circle	1	Collection	12/31/2019	50	2021	1.09	1,009	50,440	49,431	55,068	53,966
2019 Public Acceptance - Sanitary Sewer Lines - Interlocken	1	Collection	12/31/2019	50	2021	1.09	1,539	76,939	75,400	83,998	82,318
2019 Public Acceptance - Sanitary Sewer Lines - Interpark	1	Collection	12/31/2019	50	2021	1.09	2,974	148,700	145,726	162,343	159,096
2019 Public Acceptance - Sanitary Sewer Lines - Sunshine Subdivision	1	Collection	12/31/2019	50	2021	1.09	507	25,330	24,823	27,654	27,101
2019 Public Acceptance - Storm Sewer Lines - Great Western Park	1	Collection	12/31/2019	50	2021	1.09	997	49,873	48,876	54,449	53,360
2019 Public Acceptance - Storm Sewer Lines - Palisade Park	1	Collection	12/31/2019	50	2021	1.09	9,702	485,124	475,422	529,634	519,041
2019 Public Acceptance - Storm Sewer Lines - Anthem	1	Collection	12/31/2019	50	2021	1.09	21,493	1,074,648	1,053,155	1,173,246	1,149,781
2019 Public Acceptance - Storm Sewer Lines - Coleman's Lakeview	1	Collection	12/31/2019	50	2021	1.09	102	5,100	4,998	5,568	5,457
2019 Public Acceptance - Storm Sewer Lines - Interpark	1	Collection	12/31/2019	50	2021	1.09	10,115	505,729	495,615	552,130	541,087
B Municipal Shops Admin Building - 3951 W144th Ave	1	Collection	10/31/2020	40	2021	1.08	14,588	3,501,227	3,486,638	3,788,805	3,773,018
BMS Admin Bldg - Roof (37,096 sq ft)	1	Collection	10/31/2020	40	2021	1.08	1,391	333,864	332,473	361,286	359,781
Ceramic Tile - BMS Admin Bldg	1	Collection	10/31/2020	10	2021	1.08	517	31,015	30,498	33,563	33,003

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HVAC System - BMS Admin Bldg	1	10/31/2020	40	2021	1.08	5,250	1,260,100	1,254,849	1,363,600	1,357,918
2020 Public Acceptance - Sanitary Sewer Lines - Interpark	1	12/31/2020	50	2021	1.08	0	28,792	28,792	31,157	31,157
2020 Public Acceptance - Sanitary Sewer Lines - Turnpike Industrial Park	1	12/31/2020	50	2021	1.08	0	5,712	5,712	6,181	6,181
2020 Public Acceptance - Sanitary Sewer Lines - Interlocken	1	12/31/2020	50	2021	1.08	0	211,995	211,995	229,408	229,408
2020 Public Acceptance - Sanitary Sewer Lines - Extra Space Storage	1	12/31/2020	50	2021	1.08	0	52,480	52,480	56,791	56,791
2020 Public Acceptance - Sanitary Sewer Lines - Highlands	1	12/31/2020	50	2021	1.08	0	214,767	214,767	232,407	232,407
2020 Public Acceptance - Sanitary Sewer Lines - Jeffco Business Center	1	12/31/2020	50	2021	1.08	0	27,443	27,443	29,697	29,697
2020 Public Acceptance - Sanitary Sewer Lines - MidCities	1	12/31/2020	50	2021	1.08	0	20,785	20,785	22,492	22,492
2020 Public Acceptance - Sanitary Sewer Lines - Jeffco Airport	1	12/31/2020	50	2021	1.08	0	73,236	73,236	79,251	79,251
2020 Public Acceptance - Sanitary Sewer Lines - North Park	1	12/31/2020	50	2021	1.08	0	1,079,246	1,079,246	1,167,891	1,167,891
2020 Public Acceptance - Sanitary Sewer Lines - Brmflld Urban Transit Villag	1	12/31/2020	50	2021	1.08	0	111,527	111,527	120,687	120,687
2020 Public Acceptance - Storm Sewer Lines - Extra Space Storage	1	12/31/2020	50	2021	1.08	0	93,959	93,959	101,676	101,676
2020 Public Acceptance - Storm Sewer Lines - Prospect Subdivision	1	12/31/2020	50	2021	1.08	0	4,608	4,608	4,986	4,986
2020 Public Acceptance - Storm Sewer Lines - Jeffco Business Center	1	12/31/2020	50	2021	1.08	0	13,108	13,108	14,185	14,185
2020 Public Acceptance - Storm Sewer Lines - North Park	1	12/31/2020	50	2021	1.08	0	348,876	348,876	377,531	377,531
2020 Public Acceptance - Storm Sewer Lines - Brmflld Urban Transit Village	1	12/31/2020	50	2021	1.08	0	23,006	23,006	24,896	24,896
2020 Public Acceptance - Storm Sewer Lines - Brunner Subdivision	1	12/31/2020	50	2021	1.08	0	101,780	101,780	110,140	110,140
Culvert - 149th Court & Community Ditch	1	12/31/2020	50	2021	1.08	0	207,031	207,031	224,036	224,036
Improvements										
Wastewater Treatment Facility Access Gate w/Card Reader System	1	12/31/2018	15	2021	1.10	16,915	109,949	93,034	120,399	101,876
Wastewater Treatment Facility Admin Bldg & Lab Expansion-Parking Lot	1	12/31/2018	15	2021	1.10	6,588	42,822	36,234	46,892	39,678
Parking Lot & Driveway	1	8/30/2019	15	2021	1.09	12,518	128,313	115,795	140,085	126,419
6' Chain Link Fence	1	8/30/2019	15	2021	1.09	2,885	29,578	26,690	32,289	29,139
Light Poles w/Foundations & Electrical	1	8/30/2019	15	2021	1.09	1,763	18,067	16,304	19,725	17,800
Irrigation	1	8/30/2019	15	2021	1.09	3,289	33,711	30,422	36,804	33,213
RV Sanitary System	1	8/30/2019	15	2021	1.09	2,853	29,241	26,388	31,923	28,809
Monument Sign (1/2 shared with Tree Branch/Landscape Recycle)	1	8/30/2019	15	2021	1.09	512	5,248	4,736	5,729	5,170
Equipment and Vehicles										
CASE TRACTOR/LOADER/BACKHOE	0	12/31/1972	5	2021	4.53	8,684	8,684	0	39,345	0
SOFTWARE, TELE SYSTEM	0	8/18/1993	5	2021	2.05	5,302	5,302	0	10,873	0
SOFTWARE, PURCHASING/INVENTORY	0	9/23/1993	3	2021	2.05	4,970	4,970	0	10,192	0
TRAILER, MAXEY 15 TON - Sewer Portion	0	5/27/1986	5	2021	2.35	5,375	5,375	0	12,623	0
RADIO--HEALY-RUFF RTUW/MDS TRANSCIEVER	0	5/18/1994	5	2021	2.05	7,225	7,225	0	14,829	0
CONCRETE SAW--65 HP W/WTR PUMP	0	4/3/1996	5	2021	1.90	9,787	9,787	0	18,580	0
LOW BAND BASE STATION	0	6/26/1996	5	2021	1.90	5,404	5,404	0	10,259	0
SOFTWARE--FULL FUNCTION SCDA SERV FOR WINDOWS	0	11/2/1994	3	2021	2.05	12,300	12,300	0	25,245	0
REBUILD VERTICAL TURBINE PUMP 10MF	0	6/6/2005	5	2021	1.48	6,258	6,258	0	9,275	0
TRAILER MOUNTED 80KW ENGINE & GENERATOR SYSTEM	0	11/30/1987	5	2021	2.35	17,508	17,508	0	41,076	0
PORTABLE TV SYSTEM-CUES	0	6/29/1988	5	2021	2.33	11,592	11,592	0	26,956	0
EQUIPTO SHELVEING	0	12/31/1997	5	2021	1.90	4,401	4,401	0	8,364	0
SOFTWARE LICENSE FOR ASSET MANAGEMENT	0	9/18/1997	3	2021	1.90	4,050	4,050	0	7,697	0
DATA BASE SYSTEM, BETA VERSION CTS+SOFTWARE/LINKO	0	11/26/1997	5	2021	1.90	6,350	6,350	0	12,068	0
UPGRADE SOFTWARE/LINKO	0	10/30/2001	3	2021	1.76	3,799	3,799	0	6,703	0
DISSOLVED AIR FLOW THICKENING EQUIP-DAF CENTER DR	0	8/13/1997	5	2021	1.90	89,650	89,650	0	170,382	0
MOTOROLA LOW BAND REPEATOR, DUPLEXER	0	6/9/1998	5	2021	1.84	8,750	8,750	0	16,105	0
PUMP, TURBINE FLOATER 75 HP	0	7/20/1998	5	2021	1.84	11,414	11,414	0	21,007	0
PUMP, TURBINE FLOATER 50 HP	0	7/20/1998	5	2021	1.84	6,611	6,611	0	12,169	0
SOFTWARE UPGRADE-MS ACCESS	0	3/19/1999	3	2021	1.83	6,583	6,583	0	12,041	0
FIBERGLASS STAIRS FOR #3 DIG. MIXER, #1 DIG. & A-B	0	5/21/1999	3	2021	1.83	6,382	6,382	0	11,673	0
1999 FORD 3/4 TON 4 X 4 PICKUP	0	9/7/1999	5	2021	1.83	24,922	24,922	0	45,583	0
PUMP--HAYWARD GORDON SRX4-11	0	11/23/1999	3	2021	1.83	8,490	8,490	0	15,529	0
PUMP--HAYWARD GORDON SRX4-11	0	11/23/1999	3	2021	1.83	8,490	8,490	0	15,529	0
PUMP, GORMAN-RUPP T4A3-F3L W/DIESEL ENGINE	0	2/24/2000	3	2021	1.73	18,564	18,564	0	32,043	0
Software-Laboratory Info Mgmt System (Enviro Monitoring)-v-pw-app-01	0	10/26/2000	3	2021	1.73	9,984	9,984	0	17,233	0
SOFTWARE/OPERATOR 10 PLUS:	0	12/27/2000	3	2021	1.73	13,160	13,160	0	22,715	0
STORAGE SHELF UNIT/EQUIPTO	0	4/30/2001	5	2021	1.76	7,658	7,658	0	13,513	0
SOFTWARE UPGRADE FOR SEWER/WATER MAINT MGMT	0	4/19/2002	3	2021	1.73	10,521	10,521	0	18,246	0
2002 FORD 4X4 1/2 TON EXT CAB PICKUP	0	4/26/2002	5	2021	1.73	20,395	20,395	0	35,370	0
OIL & GREASE EXTRACTOR SYSTEM--SPE-DEX 1000XL	0	8/23/2002	5	2021	1.73	17,681	17,681	0	30,663	0
2002 WWTP FACILITY SECURITY	0	12/31/2002	5	2021	1.73	38,100	38,100	0	66,075	0
Pump, Patterson	0	11/8/2013	5	2021	1.17	10,000	10,000	0	11,733	0
SPRINKLER-FARM IMPROVEMENTS	0	12/31/2003	5	2021	1.64	48,596	48,596	0	79,721	0

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SPRINKLER--FARM IMPR	0	Equipment	12/31/2003	5	2021	1.64	48,596	48,596	0	79,721	0
PRESSURE BLOWER SIZE 28 FRP ARGMT 1; CCW-TAD SHIPPING	0	Equipment	3/10/2004	5	2021	1.51	5,274	5,274	0	7,962	0
PRESSURE BLOWER SIZE 28 FRP ARGMT 1; CCW-TAD	0	Equipment	3/19/2004	5	2021	1.51	175	175	0	264	0
2004-FORD 1/2 TON EXT CAB SHORTBOX TRUCK	0	Equipment	3/10/2004	5	2021	1.51	5,449	5,449	0	8,226	0
IRRIGATION SYSTEM--REINKE PIVOT-1289'-6"	0	Equipment	3/26/2004	5	2021	1.51	17,870	17,870	0	26,977	0
FARM IMPROVEMENTS	0	Equipment	8/18/2004	5	2021	1.51	33,785	33,785	0	51,002	0
SCREW AUGER-12" DIA X 6"LP X .38"THK	0	Equipment	12/31/2005	5	2021	1.48	39,886	39,886	0	59,114	0
2004 FORD ESCAPE SUV	0	Equipment	2/4/2005	5	2021	1.48	7,889	7,889	0	11,692	0
JOHN DEERE GATOR	0	Equipment	3/27/2004	5	2021	1.51	19,451	19,451	0	29,363	0
TRASH PUMP-6" DIESEL ENGINE DRIVE--GORMAN RUPP SILENT PUM	0	Equipment	5/24/2005	5	2021	1.48	14,960	14,960	0	22,172	0
PUMP MOTOR--CASCADE VERTICAL MIXED FLOW	0	Equipment	7/18/2005	5	2021	1.48	39,283	39,283	0	58,221	0
GORMAN-RUPP 6" TRASH PUMP	0	Equipment	7/12/2005	5	2021	1.48	15,452	15,452	0	22,900	0
2005 NISSAN FORKLIFT	0	Equipment	8/19/2005	5	2021	1.48	39,283	39,283	0	58,221	0
Hach Spectrophotometer	0	Equipment	9/22/2005	5	2021	1.48	27,010	27,010	0	40,031	0
PUMP MOTOR--CASCADE VERTICAL MIXED FLOW	0	Equipment	11/28/2005	5	2021	1.48	7,425	7,425	0	11,004	0
Lachet Analyzer-QUICKCHEM 8500	0	Equipment	7/12/2005	5	2021	1.48	15,452	15,452	0	22,900	0
Lachet Heater Mod Assembly w/ Computer System	0	Equipment	3/13/2006	5	2021	1.44	36,960	36,960	0	53,217	0
DILUTOR--PDS200-115V	0	Equipment	3/13/2006	5	2021	1.44	5,838	5,838	0	8,406	0
SOFTWARE--RSVIEW 32 SCADA SYSTEM	0	Equipment	3/23/2006	5	2021	1.44	5,363	5,363	0	7,722	0
STERILIZER STEAM PRESSURE 60HZ AUTOCLAVE	0	Equipment	3/20/2006	3	2021	1.44	6,684	6,684	0	9,624	0
AUTOMATIC TRANSFER SWITCH UPGRADE Generator #1	0	Equipment	7/26/2006	5	2021	1.44	6,133	6,133	0	8,831	0
ROTOPRESS SCREENINGS COMPACTOR MODEL RP-200	0	Equipment	8/25/2006	5	2021	1.44	27,700	27,700	0	39,884	0
CONTROLLER/NITRATE METER/PROBE	0	Equipment	12/15/2006	5	2021	1.44	18,223	18,223	0	26,239	0
WWTP SECURITY GATE - (old)	0	Equipment	12/22/2006	5	2021	1.44	9,210	9,210	0	13,261	0
IRRIGATION PIVOT POND MAIN TRANSFER PUMP	0	Equipment	10/26/2006	5	2021	1.44	26,818	26,818	0	38,614	0
2007 CHEVROLET MALIBU	0	Equipment	6/6/2006	5	2021	1.44	7,500	7,500	0	10,799	0
LASER SHAFT ALIGNMENT TOOL - OPTALIGN SMART	0	Equipment	3/26/2007	5	2021	1.43	14,093	14,093	0	20,177	0
ITT FLYGT MODEL MP3127 SUBMERSIBLE PUMP (1 OF 2)	0	Equipment	8/16/2007	5	2021	1.43	9,852	9,852	0	14,105	0
ITT FLYGT MODEL MP3127 SUBMERSIBLE PUMP (2 OF 2)	0	Equipment	7/21/2008	5	2021	1.39	9,472	9,472	0	13,129	0
PUMP-RAS AURORA #3 PUMP MODEL 611A	0	Equipment	7/21/2008	5	2021	1.39	9,472	9,472	0	13,129	0
NETZSCH NE70 BARE SHAFT PUMP - TWAS	0	Equipment	6/3/2008	5	2021	1.39	17,733	17,733	0	24,581	0
PIVOT IRRIGATION SYSTEM--REINKE	0	Equipment	11/1/2008	5	2021	1.39	11,688	11,688	0	16,201	0
ANALYZER, FLUKE VIBRATION	0	Equipment	11/15/2010	5	2021	1.29	49,995	49,995	0	64,302	0
MIRUS LINE REACTOR for Pump #2	0	Equipment	5/17/2012	5	2021	1.18	6,708	6,708	0	7,908	0
JOHN DEERE XUV 855D GREEN & YELLOW	0	Equipment	4/10/2012	5	2021	1.18	5,712	5,712	0	6,734	0
FLUKE THERMAL IMAGER	0	Equipment	6/10/2012	5	2021	1.18	18,790	18,790	0	22,152	0
2012 FORD F250 4X4 REG CAB	0	Equipment	6/26/2012	5	2021	1.18	8,282	8,282	0	9,763	0
2012 FORD F250 4X4 EXT CAB TRUCK	0	Equipment	7/24/2012	5	2021	1.18	25,022	25,022	0	29,498	0
2012 FORD F250 4X4 REG CAB PICKUP	0	Equipment	7/19/2012	5	2021	1.18	23,601	23,601	0	27,823	0
2012 CHEVROLET CUES CARGO VAN-MODEL C-3500	0	Equipment	8/16/2012	5	2021	1.18	25,618	25,618	0	30,201	0
ITRON MOBILE COLLECTOR	0	Equipment	12/1/2012	5	2021	1.18	168,300	168,300	0	198,409	0
ITRON HANDHELD RADIO FC 300	0	Equipment	12/18/2012	5	2021	1.18	2,375	2,375	0	2,800	0
GRINDER, MUFFIN MONSTER	0	Equipment	12/18/2012	5	2021	1.18	1,271	1,271	0	1,499	0
GRINDER, MUFFIN MONSTER	0	Equipment	12/11/2012	5	2021	1.18	8,224	8,224	0	9,695	0
SEWAGE FARM IMPROVEMENTS--IRRIGATION PIVOT	0	Equipment	12/11/2012	5	2021	1.18	8,224	8,224	0	9,695	0
2014 Additions to Irrigation Pivot	0	Equipment	12/31/2012	5	2021	1.18	339,100	339,100	0	399,765	0
Rotary screw air compressor	0	Equipment	12/31/2013	5	2021	1.17	39,726	39,726	0	46,610	0
Heating unit, Hastings HRMUB 600V	0	Equipment	7/12/2013	5	2021	1.17	8,973	8,973	0	10,527	0
Valve, 8" pressure reducing Globe Style Hydraulic	0	Equipment	6/21/2013	5	2021	1.17	32,945	32,945	0	38,654	0
Watson Marlow Peristaltic Metering Pump for Hypochlorite Feed System	0	Equipment	12/31/2013	5	2021	1.17	9,007	9,007	0	10,568	0
Spectrophotometer, DR6000 UV VIS	0	Equipment	12/31/2013	5	2021	1.17	7,360	7,360	0	8,636	0
REXEL IQ ANALYZER Box next to Generator #4	0	Equipment	5/31/2014	5	2021	1.16	7,866	7,866	0	9,149	0
Sheridan underpass underdrain Hydromatic Pump-3 HP	0	Equipment	8/7/2014	5	2021	1.16	5,548	5,548	0	6,453	0
EQ Basin MCC	0	Equipment	9/26/2014	5	2021	1.16	8,277	8,277	0	9,627	0
Watson Marlow Peristaltic Metering Pump (2)	0	Equipment	12/31/2014	5	2021	1.16	41,754	41,754	0	48,565	0
Cutler Hammer VFD for Influent Pump #1	0	Equipment	12/31/2014	5	2021	1.16	7,364	7,364	0	8,566	0
Refurbish Vulcan Auger	0	Equipment	12/31/2014	5	2021	1.16	5,954	5,954	0	6,925	0
Biosolids Centrate Pump	0	Equipment	12/31/2014	5	2021	1.16	7,190	7,190	0	8,363	0
Centrifuge #1 Control Panel w/Ethernet Connection	0	Equipment	12/31/2014	5	2021	1.16	8,888	8,888	0	10,338	0
Muffin Monster Grinder 30004T-0012-DI	0	Equipment	3/1/2015	3	2021	1.16	17,701	17,701	0	20,589	0
Orion Mobile Reading System-Laptop-Sewer Portion	0	Equipment	3/1/2015	5	2021	1.16	10,348	10,348	0	12,036	0
Orion Ranger 3 Hand Held - Sewer Portion	0	Equipment	4/1/2015	3	2021	1.16	4,033	4,033	0	4,690	0
2016 Int'l 7600 Truck/Vactor Jet Vac-Sewer Cleaner 2100-VACTOR	0	Equipment	4/1/2015	3	2021	1.16	1,978	1,978	0	2,300	0
	0	Equipment	6/1/2015	5	2021	1.16	368,926	368,926	0	429,122	0

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ABS Mixer with Motor RW3032-A32/6CR (A-Basin #4)	0	6/1/2015	5	2021	1.16	5,156	5,156	0	5,997	0
Refrigerated Sampler 5800 Series	0	8/1/2015	5	2021	1.16	5,545	5,545	0	6,450	0
Anoxic Basin Surface Aeration Mixer, 5 HP (A-basin #3)	0	8/1/2015	5	2021	1.16	9,728	9,728	0	11,315	0
2016 Ford F-250 4x4 Pickup w/bedliner - Sewer portion	0	9/1/2015	5	2021	1.16	14,684	14,684	0	17,080	0
Lightbar, Whelen	0	9/1/2015	5	2021	1.16	550	550	0	640	0
Nikuni DAF Pressurization Pump KTM65F2 M50FP-2-S-V	0	9/1/2015	5	2021	1.16	11,975	11,975	0	13,929	0
Hotblock Metals Digestion System	0	8/1/2016	5	2021	1.12	0	-	0	0	0
DigiPREP MS, 50ml 48 Pos (155V/230V)	0	8/1/2016	5	2021	1.12	2,253	2,550	298	2,848	332
Touch screen controller w/color display	0	8/1/2016	5	2021	1.12	2,385	2,700	315	3,016	352
DigiPROBE, start up kit, DigiPREP fume hood, & other accessories	0	8/1/2016	5	2021	1.12	5,771	6,533	762	7,297	851
PolyBlend Polymer Feed System, Model M601-D1 AA	0	8/1/2016	5	2021	1.12	11,219	12,700	1,481	14,186	1,655
Refrigerated Sampler 5800 Series	0	10/1/2016	5	2021	1.12	4,382	5,155	773	5,758	864
Refrigerated Sampler 5800 Series	0	10/1/2016	5	2021	1.12	4,542	5,344	802	5,969	895
Torspec Electromagnetic Eddy Brake #2	0	10/1/2016	5	2021	1.12	5,030	5,918	888	6,610	992
Torspec Electromagnetic Eddy Brake #1	0	10/1/2016	5	2021	1.12	5,024	5,910	887	6,601	990
Anoxic Basin Surface Aeration Mixer, 5 HP (A-basin #6)	0	10/1/2016	5	2021	1.12	7,820	9,200	1,380	10,276	1,542
Work Horse Easement Jetter Machine	0	11/1/2016	5	2021	1.12	48,963	58,755	9,793	65,629	10,938
ICP-Mass Spectrometer Dual Channel & accessories	0	12/1/2016	5	2021	1.12	108,285	132,594	24,309	148,106	27,153
PolyBend Polymer Feed System M601-XAA	0	12/1/2016	5	2021	1.12	10,719	13,125	2,406	14,660	2,688
Anoxic Basin Surface Aeration Mixer, 5 HP (A-basin #7)	0	12/1/2016	5	2021	1.12	6,947	8,507	1,559	9,502	1,742
Glassware Washer-Lab	0	12/1/2016	5	2021	1.12	14,379	17,606	3,228	19,666	3,605
Programmable Logic Control (PLC)	0	12/1/2016	3	2021	1.12	9,928	9,928	0	11,089	0
Programmable Logic Control (PLC)	0	12/1/2016	3	2021	1.12	9,928	9,928	0	11,089	0
Trane HVAC rooftop unit-Solid Pumping Building	0	12/31/2016	5	2021	1.12	12,540	15,675	3,135	17,509	3,502
Maintenance Building MCC	0	12/31/2016	5	2021	1.12	26,163	32,704	6,541	36,530	7,306
Pivot Pond Pump #8 - Sewage Farm Irrigation	0	12/31/2016	5	2021	1.12	5,760	7,200	1,440	8,042	1,608
Pivot Pond Pump #1 Rebuild - Sewage Farm Irrigation	0	12/31/2016	5	2021	1.12	6,035	7,544	1,509	8,426	1,685
Drain - South Pond to West Pond - Sewage Farm Irrigation	0	12/31/2016	5	2021	1.12	15,337	19,172	3,834	21,415	4,283
Zimmatic Pivot Sprinkler - Sewage Farm Irrigation	0	12/31/2016	5	2021	1.12	51,849	64,811	12,962	72,393	14,479
Generac Diesel Standby Generator 150 kw	0	4/1/2017	5	2021	1.11	28,950	38,600	9,650	42,847	10,712
Primary Flow Equalization By-Pass Valve	0	4/1/2017	5	2021	1.11	7,449	9,932	2,483	11,025	2,756
Digester #3 Re-circulation Pump	0	5/1/2017	5	2021	1.11	6,006	8,190	2,184	9,091	2,424
2017 Ford Explorer 4x4	0	6/1/2017	5	2021	1.11	20,856	29,101	8,245	32,303	9,152
Anoxic Basin Surface Aeration Mixer, 5 HP (A-basin #2)	0	6/1/2017	5	2021	1.11	7,705	10,752	3,046	11,935	3,382
Solaronics Tube Heater for Truck Bay-North	0	6/1/2017	5	2021	1.11	4,076	5,688	1,612	6,313	1,789
Solaronics Tube Heater for Truck Bay-South	0	6/1/2017	5	2021	1.11	4,076	5,688	1,612	6,313	1,789
Digester #3 Re-circulation Pump	0	6/1/2017	5	2021	1.11	5,874	8,196	2,322	9,098	2,578
Pump- RAS Cornell #5 Pump	0	8/1/2017	5	2021	1.11	10,318	15,100	4,782	16,761	5,308
2017 Ford F-250 4x4 Ext Cab Pickup w/accessories	0	10/1/2017	5	2021	1.11	19,714	30,329	10,615	33,666	11,783
Laboratory Information Mgmt System (LIMS)	0	11/1/2017	5	2021	1.11	91,466	144,420	52,954	160,309	58,780
Generac SD130 Emergency Generator 130 Kw	0	11/1/2017	5	2021	1.11	20,124	31,775	11,651	35,271	12,933
Electrical Control Panel for Clarifier #1 (North)	0	12/1/2017	5	2021	1.11	3,991	6,472	2,481	7,184	2,754
Electrical Control Panel for Clarifier #2 (South)	0	12/1/2017	5	2021	1.11	3,991	6,472	2,481	7,184	2,754
Anoxic Basin Surface Aeration Mixer, 5 HP(A-basin #1)	0	2/28/2018	5	2021	1.10	5,836	10,300	4,463	11,279	4,887
Anoxic Basin Surface Aeration Mixer, 5 HP (spare)	0	2/28/2018	5	2021	1.10	5,836	10,300	4,463	11,279	4,887
OZ-III 6" Sewer TV Inspection Camera w/Track	0	3/31/2018	5	2021	1.10	19,377	35,231	15,854	38,580	17,361
WTR Transporter Assembly & Track	0	3/31/2018	5	2021	1.10	4,495	8,172	3,677	8,949	4,027
Pentair Hydromatic S4N300M2- 4" Pump @ Sheridan Underpass	0	4/30/2018	5	2021	1.10	3,789	7,104	3,315	7,779	3,630
4" Back Pressure Valve Assembly (Spare)	0	9/1/2018	5	2021	1.10	4,958	10,625	5,667	11,635	6,205
Wastewater Treatment Facility Admin Bldg & Lab Expansion-FF&E	0	12/31/2018	5	2021	1.10	0	-	0	0	0
Furniture & Signs	0	12/31/2018	5	2021	1.10	28,495	71,237	42,742	78,008	46,805
Audio - Visual Equipment	0	12/31/2018	5	2021	1.10	3,433	8,583	5,150	9,399	5,639
DI/RO Water Purification System	0	12/31/2018	5	2021	1.10	5,807	14,518	8,711	15,898	9,539
Teledyne Mercury Analyzer	0	12/31/2018	5	2021	1.10	30,597	76,492	45,895	83,762	50,257
Miele Laboratory Dishwasher - main lab	0	12/31/2018	5	2021	1.10	7,691	19,226	11,536	21,054	12,632
Miele Laboratory Dishwasher - sample receiving	0	12/31/2018	5	2021	1.10	7,691	19,226	11,536	21,054	12,632
Thermo Refrigerator (Sample) 1-Door "Brienne"	0	12/31/2018	5	2021	1.10	4,521	11,303	6,782	12,377	7,426
Thermo Refrigerator (Sample) 2-Door "Ned"	0	12/31/2018	5	2021	1.10	4,521	11,303	6,782	12,377	7,426
Thermo Pass-Thru Refrigerator "Arya"	0	12/31/2018	5	2021	1.10	6,286	15,714	9,429	17,208	10,325
Thermo Pass-Thru Refrigerator "Sansa"	0	12/31/2018	5	2021	1.10	6,286	15,714	9,429	17,208	10,325
Thermo Muffle Furnace "Viserion"	0	12/31/2018	5	2021	1.10	6,895	17,237	10,342	18,875	11,325
Bedco Fume Hood - "Riverlands"	0	1/1/2019	20	2021	1.09	4,957	49,571	44,614	54,120	48,708
Bedco Fume Hood - "Stormlands"	0	1/1/2019	20	2021	1.09	4,957	49,571	44,614	54,120	48,708
Bedco Fume Hood - "Vale"	0	1/1/2019	20	2021	1.09	4,957	49,571	44,614	54,120	48,708

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Bedco Fume Hood - "Dorne"	0	Equipment	1/1/2019	20	2021	1.09	4,957	49,571	44,614	54,120	48,708
Bedco Fume Hood - "Reach"	0	Equipment	1/1/2019	20	2021	1.09	4,957	49,571	44,614	54,120	48,708
LAS Fume Hood - Metals/Mercury Lab "Westernlands"	0	Equipment	1/1/2019	20	2021	1.09	4,957	49,571	44,614	54,120	48,708
LAS Fume Hood - Metals/Mercury Lab "North"	0	Equipment	1/1/2019	20	2021	1.09	4,957	49,571	44,614	54,120	48,708
Welch ILMVAC Vacuum Pump - Mechanical Rm	0	Equipment	1/1/2019	5	2021	1.09	2,366	5,915	3,549	6,458	3,875
Vanguard Pathogen Protection System/ Full on Vactor 2100	0	Equipment	4/1/2019	5	2021	1.09	2,711	7,745	5,034	8,456	5,496
Vanguard Pathogen Protection System/ CCTV on Cues Truck	0	Equipment	4/1/2019	5	2021	1.09	2,536	7,245	4,709	7,910	5,141
2019 Ford F250 4X4 w/ Accessories	0	Equipment	8/16/2019	5	2021	1.09	7,847	29,426	21,579	32,126	23,559
Refrigerated Sampler 5800 Series	0	Equipment	9/6/2019	5	2021	1.09	1,339	5,355	4,016	5,847	4,385
Refrigerated Sampler 5800 Series	0	Equipment	10/18/2019	5	2021	1.09	1,250	5,355	4,106	5,847	4,482
Ammonia Probe -Nutrient Optimization- w/pole (A-basin #8)	0	Equipment	10/18/2019	5	2021	1.09	1,557	6,673	5,116	7,285	5,585
Digester #1 Re-circulation Pump	0	Equipment	11/22/2019	5	2021	1.09	2,174	10,035	7,861	10,956	8,582
Portable Hydraulic Power Unit	0	Equipment	11/22/2019	5	2021	1.09	1,464	6,758	5,294	7,378	5,779
ABS Submersible Mixer XRW 3022 (A-Basin #4)	0	Equipment	12/1/2019	5	2021	1.09	1,297	5,988	4,691	6,537	5,121
Digester #2 - Re-circulation Pump	0	Equipment	12/31/2019	5	2021	1.09	1,718	8,592	6,874	9,380	7,504
2020 Vacuum Excavator EH WACHS TLV-300 Trailer Mounted	0	Equipment	4/30/2020	5	2021	1.08	2,681	20,106	17,425	21,758	18,857
UPS (A) 208/120VAC - Xtreme Power Conversion M90-40 (Sewer Portion)	0	Equipment	6/1/2020	5	2021	1.08	941	8,068	7,127	8,731	7,712
PDU (A) Wall-Mount 3 Breaker Maintenance Bypass Panel (Sewer Portion)	0	Equipment	6/1/2020	5	2021	1.08	444	3,806	3,362	4,119	3,638
Refrigerated Sampler 5800 Series	0	Equipment	6/1/2020	5	2021	1.08	650	5,570	4,920	6,027	5,324
2020 John Deere Gator w/Plow	0	Equipment	6/19/2020	5	2021	1.08	2,560	25,598	23,038	27,700	24,930
Grit System 1 Rebuild	0	Equipment	6/26/2020	5	2021	1.08	2,163	21,633	19,470	23,410	21,069
Grit System 2 Rebuild	0	Equipment	6/26/2020	5	2021	1.08	2,163	21,633	19,470	23,410	21,069
2020 Dodge Ram Hybrid 1/2 Ton Pickup w/Accessories	0	Equipment	8/28/2020	5	2021	1.08	2,013	30,191	28,178	32,671	30,493
Tonneau Cover	0	Equipment	10/9/2020	5	2021	1.08	20	599	579	648	627
CL2 Meter @ O& M Lab	0	Equipment	10/2/2020	5	2021	1.08	243	7,288	7,045	7,887	7,624
Return Activated Sludge (RAS) Pump #3	0	Equipment	10/23/2020	5	2021	1.08	646	19,388	18,742	20,980	20,281
2020 Ford F250 Standard Cab Pickup w/Accessories	0	Equipment	10/23/2020	5	2021	1.08	1,477	44,311	42,834	47,951	46,353
BMS Complex - IT Hardware & Software (20%)	0	Equipment	12/18/2020	3	2021	1.08	0	8,939	8,939	9,673	9,673
BMS - FF&E Streets Storage	0	Equipment	10/31/2020	5	2021	1.08	1,226	36,769	35,543	39,789	38,463
BMS - FF&E Utilities Storage	0	Equipment	10/31/2020	5	2021	1.08	1,322	39,674	38,352	42,933	41,502
BMS - FF&E Evidence Room	0	Equipment	10/31/2020	5	2021	1.08	400	12,000	11,600	12,986	12,553
BMS - FF&E Equipment	0	Equipment	10/31/2020	10	2021	1.08	2,824	169,461	166,637	183,380	180,324
BMS - FF&E Appliances	0	Equipment	10/31/2020	5	2021	1.08	800	23,997	23,197	25,968	25,102
BMS Complex - FF&E Audio & Visual Equipment (20%)	0	Equipment	12/18/2020	5	2021	1.08	0	1,286	1,286	1,392	1,392
Conference Room Partition - Admin Bldg	0	Equipment	10/31/2020	10	2021	1.08	202	12,135	11,933	13,132	12,913
Admin - Insulated Steel Panel Overhead Door - 12 X 12 w/Operator #1	0	Equipment	10/31/2020	15	2021	1.08	58	5,214	5,156	5,642	5,580
Admin - Insulated Steel Panel Overhead Door - 12 X 12 w/Operator #2	0	Equipment	10/31/2020	15	2021	1.08	58	5,214	5,156	5,642	5,580
Admin - Insulated Steel Panel Overhead Door - 12 X 12 w/Operator #3	0	Equipment	10/31/2020	15	2021	1.08	58	5,214	5,156	5,642	5,580
Admin - Insulated Steel Panel Overhead Door - 12 X 12 w/Operator #4	0	Equipment	10/31/2020	15	2021	1.08	58	5,214	5,156	5,642	5,580
Admin - Insulated Steel Panel Overhead Door - 12 X 12 w/Operator #5	0	Equipment	10/31/2020	15	2021	1.08	58	5,214	5,156	5,642	5,580
Admin - Insulated Steel Panel Overhead Door - 12 X 12 w/Operator #6	0	Equipment	10/31/2020	15	2021	1.08	58	5,214	5,156	5,642	5,580
Admin - Insulated Steel Panel Overhead Door - 12 X 12 w/Operator #7	0	Equipment	10/31/2020	15	2021	1.08	57	5,157	5,100	5,581	5,519
Admin - Insulated Steel Panel Overhead Door - 12 X 12 w/Operator #8	0	Equipment	10/31/2020	15	2021	1.08	58	5,214	5,156	5,642	5,580
Admin - Insulated Steel Panel Overhead Door - 12 X 12 w/Operator #9	0	Equipment	10/31/2020	15	2021	1.08	58	5,214	5,156	5,642	5,580
Admin - Overhead Coiling Door - 10 X 10 w/Operator in Utilities Storage	0	Equipment	10/31/2020	15	2021	1.08	70	6,258	6,188	6,772	6,697
Admin - Overhead Coiling Door - 10 X 10 w/Operator in Streets Signal Shop	0	Equipment	10/31/2020	15	2021	1.08	70	6,258	6,188	6,772	6,697
Ammonia Probe (A-basin #8)	0	Equipment	12/4/2020	5	2021	1.08	0	7,887	7,887	8,535	8,535
BMS Complex Telephone System - G450 Avaya (20%)	0	Equipment	12/11/2020	3	2021	1.08	0	3,320	3,320	3,592	3,592
Avaya Office Phones (15) - BMS Complex (20%)	0	Equipment	12/11/2020	5	2021	1.08	0	861	861	931	931
Extreme Switch X450-G2-48p-10G4	0	Equipment	12/18/2020	3	2021	1.08	0	6,235	6,235	6,747	6,747
DAF Air Compressor - Ingersoll Rand	0	Equipment	12/31/2020	5	2021	1.08	0	8,360	8,360	9,047	9,047
DAF Pressurization Pump - Pump Works	0	Equipment	12/31/2020	5	2021	1.08	0	7,394	7,394	8,002	8,002
UV / VIS Spectrophotometer	0	Equipment	12/31/2020	5	2021	1.08	0	9,450	9,450	10,226	10,226
Total Wastewater System Assets							\$99,641,017	\$254,569,624	\$154,928,607	\$375,782,985	\$201,507,252

City and County of Broomfield
Wastewater Rate and Fee Study
Summary of System Assets by Valuation Method

			Original Cost	Book Value	Replacement Cost New	Replacement Cost New Less Depreciation
Cash Assets			\$64,676,737	\$64,676,737	\$64,676,737	\$64,676,737
Fixed Assets:						
Land			\$2,876,464	\$2,868,477	\$2,876,464	\$2,868,477
Plant			83,878,703	48,266,969	128,500,370	64,978,505
Building			250,744	130,459	422,124	214,772
Collection			160,691,702	100,285,458	235,726,346	129,728,725
Drainage			1,875,469	1,650,413	2,081,812	1,831,995
Improvements			396,925	349,602	382,104	382,104
Equipment			4,599,616	1,377,227	5,742,021	1,502,674
Backbone System Asset Valuation			\$254,569,624	\$154,928,607	\$375,731,242	\$201,507,252
Total Assets			\$319,246,361	\$219,605,344	\$440,407,979	\$266,183,989
Interest on Existing Growth-Related Debt	Remaining Interest	Growth				
Issuance 1	\$0	0%	0	0	\$0	0
Total Interest Payments (Carrying Cost)			\$0	\$0	\$0	\$0
Less:						
Principal Credit (Debt Paid Through Rates)	Remaining Principal	Growth				
Issuance 1	\$20,555,000	0%	20,555,000	20,555,000	\$20,555,000	20,555,000
Total Principal Credit			\$20,555,000	\$20,555,000	\$20,555,000	\$20,555,000
Value			\$298,691,361	\$199,050,344	\$419,852,979	\$245,628,989

City and County of Broomfield
Wastewater Rate and Fee Study
Proposed Wastewater License Fee

	Method			
	1	2	3	4
	Original Cost	Book Value	Replacement Cost New	Replacement Cost New Less Depreciation
Buy-in Portion	\$319,246,361	\$219,605,344	\$440,407,979	\$266,183,989
Interest on Growth-Related CIP	0	0	\$0	\$0
Less: Principal Credit	(20,555,000)	(20,555,000)	(20,555,000)	(\$20,555,000)
Total System Value	\$298,691,361	\$199,050,344	\$419,852,979	\$245,628,989
Total Capacity Served, gpd	7,880,000	7,880,000	7,880,000	7,880,000
License Fees, \$ per gpd	\$37.90	\$25.26	\$53.28	\$31.17
Single Family Peak Contributed Volume, gpd	266	266	266	266
License Fee, \$ per ERU	\$10,090	\$6,720	\$14,180	\$8,290

City and County of Broomfield
 Rate and License Fee Study
 Expansion Capital Improvement Program: Wastewater

Capital Improvements	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	Total	Costs Allocated to Growth	Capacity (Gallons)	Unit Cost/Gallon		
Treatment Facilities #70610, #70611																											
Wastewater Treatment Facility - Capacity Re-Rating	\$180,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$180,000	100%	12,000,000	\$0.02	
Wastewater Treatment Facility - Centrate Storage and Equalization	3,630,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3,630,000	40%	12,000,000	0.12	
Wastewater Treatment Facility - Energy Sustainability Plan	0	175,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	175,000	100%	12,000,000	0.01	
Wastewater Treatment Facility - Flow Equalization Basin Improvements	0	1,667,400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,667,400	33%	12,000,000	0.05	
Wastewater Treatment Facility - Improvements - New Clean Water STDS - Temperature (Growth)	0	0	0	0	2,512,356	8,717,066	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11,229,422	100%	12,000,000	0.94	
Wastewater Treatment Facility - Improvements - New Clean Water STDS - Nutrients (Growth)	0	0	0	0	0	0	52,746,970	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	52,746,970	100%	12,000,000	4.40	
Wastewater Treatment Facility - Master Plan Update	0	450,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	450,000	33%	12,000,000	0.01	
Wastewater Treatment Facility - Odor Control Monitoring and Improvements	0	4,250,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4,250,000	30%	12,000,000	0.11	
Wastewater Treatment Facility - Solids Handling Capacity Expansion	0	0	0	2,900,000	35,400,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38,300,000	100%	12,000,000	3.19	
Wastewater Treatment Facility - Process Covers and Equipment Replacements	356,111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	356,111	100%	12,000,000	0.03	
Service Center - Phase II New Building/Remodel of Existing Building	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100%	12,000,000	0.00
Wastewater Treatment Facility - Improvements and Expansion Phase III	0	0	0	0	5,000,000	5,000,000	0	30,000,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40,000,000	100%	4,000,000	10.00	
Collection Lines and Facilities #70620, #70621																											
257 Property Lift Station and Forced Main - East of I-25	6,000,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,000,000	100%	12,000,000	\$0.50	
Baseline (North Park) - Stern and Sanitary Sewer	3,519,667	32,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3,551,667	100%	12,000,000	0.30	
County Road 8 (NE Broomfield) Lift Station and Force Mains	0	0	0	0	7,122,660	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7,122,660	100%	12,000,000	0.59	
Interlock Interceptor Capacity Study	54,632	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	54,632	100%	12,000,000	0.00	
Lift Station Modifications - Northlands and Willow Run	100,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100,000	100%	12,000,000	0.01	
Midcities Sanitary Sewer	1,000,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,000,000	100%	12,000,000	0.08	
North Area - Construct Lift Station and Sewer Lines (Subbasin 2A and 2B) Additional Pumps	0	0	0	2,970,250	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,970,250	100%	12,000,000	0.25	
North Area Force Main (Subbasin 2 to WWTP)	1,126,902	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,126,902	100%	12,000,000	0.09	
Northlands Lift Station - Access Road Design	0	0	89,925	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	89,925	100%	12,000,000	0.01	
Super Oxygenation System for Rock Creek Lift Station and Force Main Odor Control	243,599	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	243,599	100%	12,000,000	0.02	
Westbrook/Ridge View Lift Station	0	0	0	0	3,862,876	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3,862,876	100%	12,000,000	0.32	
City Park Channel - Overflow Connection to Nissen Channel	1,335,997	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,335,997	100%	12,000,000	0.11	
Nissen Channel - Drainage Improvements Country Vista to Big Dry Creek (Broomfield Match 50%)	790,000	580,000	664,000	760,384	867,669	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3,662,953	100%	12,000,000	0.31	
Quail Creek Channel Improvements at Broadlands	93,749	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	93,749	100%	12,000,000	0.01	
Wilcox Subdivision - McKay Lake Lateral Drainage Improvements	913,623	0	0	594,050	2,590,058	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4,097,731	100%	12,000,000	0.34	
Planning and Administration #70690, #70691																											
Developer Reimbursement - Anthem Infrastructure License Fee Credits	274,845	491,655	100,258	500,873	117,699	433,816	29,196	436,701	30,974	459,134	28,575	470,908	56,940	82,125	0	0	0	0	0	0	0	0	3,513,700	100%	12,000,000	\$0.29	
Developer Reimbursement - South Sewer Outfall (Arista area) Old Wadsworth Blvd. to State HWY 121	31,387	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31,387	100%	12,000,000	0.00	
Total Capital Improvement Program	\$19,650,512	\$7,646,055	\$855,083	\$7,725,557	\$57,473,318	\$14,150,882	\$52,776,167	\$30,436,701	\$30,974	\$459,134	\$28,575	\$470,908	\$56,940	\$82,125	\$0	\$191,842,931			\$22.11								

City and County of Broomfield
Rate and License Fee Study
Summary of Incremental Wastewater Assets

	Cost per Gallon	Total Cost per Gallon
Fixed Assets:		
Treatment Facilities #70610, #70611		
Wastewater Treatment Facility - Capacity Re-Rating	\$0.02	
Wastewater Treatment Facility - Centrate Storage and Equalization	0.30	
Wastewater Treatment Facility - Energy Sustainability Plan	0.01	
Wastewater Treatment Facility - Flow Equalization Basin Improvements	0.14	
Wastewater Treatment Facility - Improvements - New Clean Water STDS - Temperature (Growth)	0.94	
Wastewater Treatment Facility - Improvements - New Clean Water STDS - Nutrients (Growth)	4.40	
Wastewater Treatment Facility - Master Plan Update	0.04	
Wastewater Treatment Facility - Odor Control Monitoring and Improvements	0.35	
Wastewater Treatment Facility - Solids Handling Capacity Expansion	3.19	
Wastewater Treatment Facility - Process Covers and Equipment Replacements	0.03	
Service Center - Phase II New Building/Remodel of Existing Building	0.00	
Wastewater Treatment Facility - Improvements and Expansion Phase III	10.00	

Total Treatment Facilities #70610, #70611		\$19.42
Collection Lines and Facilities #70620, #70621		
257 Property Lift Station and Forced Main – East of I-25	0.50	
Baseline (North Park) - Storm and Sanitary Sewer	0.30	
County Road 8 (NE Broomfield) Lift Station and Force Mains	0.59	
Interlocken Interceptor Capacity Study	0.00	
Lift Station Modifications - Northlands and Willow Run	0.01	
Midcities Sanitary Sewer	0.08	
North Area - Construct Lift Station and Sewer Lines (Subbasin 2A and 2B) Additional Pumps	0.25	
North Area Force Main (Subbasin 2 to WWTP)	0.09	
Northlands Lift Station - Access Road Design	0.01	
Super Oxygenation System for Rock Creek Lift Station and Force Main Odor Control	0.02	
Westbrooke/Ridge View Lift Station	0.32	
City Park Channel - Overflow Connection to Nissen Channel	0.11	
Nissen Channel - Drainage Improvements Country Vista to Big Dry Creek (Broomfield Match 50%)	0.31	
Quail Creek Channel Improvements at Broadlands	0.01	
Wilcox Subdivision - McKay Lake Lateral Drainage Improvements	0.34	

Total Collection Lines and Facilities #70620, #70621		2.94
Planning and Administration #70690, #70691		
Developer Reimbursement - Anthem Infrastructure License Fee Credits	0.29	
Developer Reimbursement - South Sewer Outfall (Arista area) Old Wadsworth Blvd. to State HWY	0.00	

Total Planning and Administration #70690, #70691		0.30

Total Incremental Cost per Gallon		\$22.65
Single Family Peak Contributed Usage, gpd		266
License Fee, \$ per Single Family Equivalent		\$6,030

City and County of Broomfield
Rate and License Fee Study
Proposed Wastewater License Fee

	Original Cost	Book Value	Replacement Cost New	Replacement Cost New Less Depreciation
Buy-In Component				
Existing Assets	\$319,246,361	\$219,605,344	\$440,407,979	\$266,183,989
Interest on Existing Growth-Related CIP	0	0	0	0
Less: Principal Credit	(20,555,000)	(20,555,000)	(20,555,000)	(20,555,000)
Total System Value	\$298,691,361	\$199,050,344	\$419,852,979	\$245,628,989
Total Capacity Served, gpd	7,880,000	7,880,000	7,880,000	7,880,000
Buy-In Cost, \$ per gpd	\$37.90	\$25.26	\$53.28	\$31.17
Incremental Component				
Total Treatment Facilities #70610, #70611	\$19.42	\$19.42	\$19.42	\$19.42
Total Collection Lines and Facilities #70620, #70621	2.94	2.94	2.94	2.94
Total Planning and Administration #70690, #70691	0.30	0.30	0.30	0.30
Incremental Cost, \$ per gpd	\$22.65	\$22.65	\$22.65	\$22.65
Total Cost, \$ per gpd	\$60.56	\$47.91	\$75.93	\$53.82
Single Family Peak Contributed Usage, gpd	266	266	266	266
License Fee, \$ per ERU	\$16,110	\$12,750	\$20,200	\$14,320

APPENDIX H

Reclaimed Water

License Fee

City and County of Broomfield
Rate and License Fee Study
Reclaimed Water Fixed Assets by Valuation Method

Item	Backbone Facilities (1 or 0)	Date Acquired	Useful Life	Current Year	Cost Index	Depreciation to Date	Original Cost	Book Value	Replacement Cost New	Replacement Cost New Less Depreciation
Land										
1998 WATER RIGHTS--FRICO WTR SHR/MARSHALL	1 Land	12/31/1998		2021	1.00	0	52,250	52,250	52,250	52,250
1998 WATER RIGHTS 1 SHARE WATER/MARSHALL	1 Land	12/31/1998		2021	1.00	0	11,000	11,000	11,000	11,000
1998 WATER RIGHTS FARMERS	1 Land	12/31/1998		2021	1.00	0	17,286	17,286	17,286	17,286
1998 WATER RIGHTS-FARMERS	1 Land	12/31/1998		2021	1.00	0	34,571	34,571	34,571	34,571
1998 WATER RIGHTS-FARMERS	1 Land	12/31/1998		2021	1.00	0	17,286	17,286	17,286	17,286
1998 WATER RIGHTS-FARMERS	1 Land	12/31/1998		2021	1.00	0	17,286	17,286	17,286	17,286
1998 WATER RIGHTS-FARMERS	1 Land	12/31/1998		2021	1.00	0	17,286	17,286	17,286	17,286
1998 WATER RIGHTS--FARMERS	1 Land	12/31/1998		2021	1.00	0	8,643	8,643	8,643	8,643
1998 WATER RIGHTS--FARMERS	1 Land	12/31/1998		2021	1.00	0	8,643	8,643	8,643	8,643
1998 WATER RIGHTS-4.0 SHARES/FRICO	1 Land	12/31/1998		2021	1.00	0	44,000	44,000	44,000	44,000
1998 WATER RIGHTS--FRICO MARSHALL	1 Land	12/31/1998		2021	1.00	0	154,000	154,000	154,000	154,000
1999 RAW WATER PURCH-- .80 SHRS FRICO MARSHALL	1 Land	12/31/1999		2021	1.00	0	8,800	8,800	8,800	8,800
2000 CHURCH DITCH WTR--CLEAR CRK WTR RTS/DRY CRK	1 Land	1/1/2000		2021	1.00	0	918,000	918,000	918,000	918,000
2002 RIGHT OF WAY ACQUISITION	1 Land	12/31/2002		2021	1.00	0	188,439	188,439	188,439	188,439
2005 RAW WATER PURCHASE--3 MARSHALL SHARES/FRICO	1 Land	12/31/2005		2021	1.00	0	45,000	45,000	45,000	45,000
2008 RAW WATER PURCHASE-1 SHARE MARSHALL/AQ MARKEL	1 Land	12/31/2008		2021	1.00	0	20,000	20,000	20,000	20,000
2008 RAW WTR PURCHASE-1/6 SHARE FRICO/MARSHALL DIV	1 Land	12/31/2008		2021	1.00	0	3,333	3,333	3,333	3,333
2008 RAW WATER PURCH-1/6 SHARE FRICO/MARSHALL DIV	1 Land	12/31/2008		2021	1.00	0	3,333	3,333	3,333	3,333
2008 RAW WATER PURCH-2/3 SHARE FRICO/MARSHALL DIV	1 Land	12/31/2008		2021	1.00	0	13,333	13,333	13,333	13,333
2009 WATER RIGHTS-CONS MUTUAL EFFLUENT	1 Land	12/31/2009		2021	1.00	0	6,363,752	6,363,752	6,363,752	6,363,752
2009 WATER RIGHTS--LUPTON BOTTOM-CERT #343	1 Land	12/31/2009		2021	1.00	0	432,735	432,735	432,735	432,735
2009 WATER RIGHTS--LUPTON MEADOWS-CERT #670	1 Land	12/31/2009		2021	1.00	0	8,909	8,909	8,909	8,909
2009 WATER RIGHTS-LUPTON MEADOWS-CERT #666	1 Land	12/31/2009		2021	1.00	0	1,024,564	1,024,564	1,024,564	1,024,564
2009 WATER RIGHTS-FARMERS RES & IRRIG-CERT #7706	1 Land	12/31/2009		2021	1.00	0	104,134	104,134	104,134	104,134
AURORA EFFLUENT FULLY REUSABLE WATER--255 ACRE FT	1 Land	12/31/2009		2021	1.00	0	2,743,176	2,743,176	2,743,176	2,743,176
Heit Pit-Slurry Wall (Water Resources)	1 Land	12/31/2009		2021	1.00	0	480,000	480,000	480,000	480,000
Water rights-4 Marshall shares	1 Land	12/31/2013		2021	1.00	0	92,000	92,000	92,000	92,000
Heit Pit - Pulte (Water Resources)	1 Land	12/31/2014		2021	1.00	0	3,644,983	3,644,983	3,644,983	3,644,983
Water Rights - 10.10 Farmer's Reservoir Shares	1 Land	12/31/2018		2021	1.00	0	247,450	247,450	247,450	247,450
Reclaimed Water System										
1996 REUSE LINE-MUNI SERV CENTER	1 Transmission	12/31/1996	30	2021	1.90	80,465	100,400	19,935	190,600	37,844
1996 DIVERSION DCVD-INTERLOCKEN TANK	1 Transmission	12/31/1996	30	2021	1.90	25,190	31,431	6,241	59,668	11,847
1996 REUSE LINE-AGATE WAY	1 Transmission	12/31/1996	30	2021	1.90	149,009	185,926	36,917	352,962	70,084
RAW WATER MANIFOLD PIPING	1 Transmission	7/17/2012	50	2021	1.18	6,462	39,970	33,508	47,121	39,502
1997 - N MIDWAY PARK LINE	1 Transmission	12/31/1997	25	2021	1.90	6,450	7,062	612	13,421	1,163
1997 GREENWAY PARK LINE	1 Transmission	12/31/1997	25	2021	1.90	18,910	20,705	1,795	39,350	3,411
1998 INTERLOCKEN WATER TANK-6m gal	1 Transmission	12/31/1998	25	2021	1.84	2,030,662	2,325,187	294,524	4,279,590	542,082
ELECTRICAL LINE/TRANSFORMER	1 Transmission	12/31/1999	25	2021	1.83	9,386	11,131	1,745	20,359	3,191
1998 GLASSER RESERVOIR LINE EXT	1 Transmission	12/31/1998	25	2021	1.84	75,239	86,151	10,913	158,565	20,085
1999 PUMP STATION & STORAGE E & I	1 Transmission	12/31/1999	25	2021	1.83	134,237	159,174	24,937	291,135	45,611
1999 MCKAY DITCH EXT	1 Transmission	12/31/1999	25	2021	1.83	124,621	148,359	23,737	271,354	43,417
MTN VIEW CORP/LINCOLN SPT - 2,400 LF Reuse Lines	1 Transmission	5/15/2001	25	2021	1.76	23,654	30,070	6,416	53,057	11,320
2001 RAW WATER DIVERSION	1 Transmission	1/1/2001	25	2021	1.76	113,933	145,730	31,798	257,136	56,106
2001 ADAMS 12 SERVICE (REUSE LINES)	1 Transmission	1/1/2001	25	2021	1.76	110,729	141,632	30,903	249,905	54,528
THE RIDGE @BRMFLD-LEVEL 3 - Irrigation Ditch	1 Transmission	5/14/2002	25	2021	1.73	486,787	651,947	165,160	1,130,644	286,430
2002 MTN VIEW REUSE LINES	1 Transmission	12/31/2002	25	2021	1.73	239,481	331,080	91,599	574,178	158,856
2004 REUSE LINES	1 Transmission	12/31/2004	25	2021	1.51	10,382,497	16,138,596	5,756,099	24,363,024	8,689,479
2005 REUSE LINE ADD--DESIGN	1 Transmission	12/31/2005	50	2021	1.48	7,689	25,488	17,800	37,776	26,380
2005 REUSE LINE ADDITIONS	1 Transmission	12/31/2005	50	2021	1.48	13,972	46,319	32,346	68,648	47,940
2004 RECLAMATION TREATMENT FACILITY	1 Plant	12/31/2004	40	2021	1.51	2,109,245	5,245,791	3,136,546	7,919,111	4,734,969
2004 PUMP STATION & STORAGE	1 Transmission	12/31/2004	25	2021	1.51	1,080,231	1,679,116	598,885	2,534,814	904,085
2005 RECLAIMED WATER TREATMENT PLANT IMPR-BLDG	1 Plant	12/31/2005	40	2021	1.48	905,786	2,402,083	1,496,298	3,560,079	2,217,633
2006 REUSE LINE CONSTRUCTION	1 Transmission	12/31/2006	50	2021	1.44	6,920	24,716	17,796	35,588	25,624
2007 REUSE LINE CONSTRUCTION	1 Transmission	12/31/2007	50	2021	1.43	487,992	1,864,935	1,376,944	2,670,001	1,971,351
2008 REUSE LINE CONSTRUCTION	1 Transmission	12/31/2008	50	2021	1.39	542,297	2,259,571	1,717,274	3,132,110	2,380,404
Reuse Water Lines - 26,432 LF	1 Transmission	12/31/2009	50	2021	1.30	424,306	1,928,664	1,504,358	2,501,697	1,951,324
North Park-LIFT STATION	1 Transmission	12/31/2009	50	2021	1.30	266,035	1,209,251	943,216	1,568,536	1,223,458
2009 REUSE WATER LINES	1 Transmission	12/31/2009	50	2021	1.30	98,073	445,790	347,717	578,240	451,028
RECLAIMED WATER PIPELINE DESIGN	1 Transmission	12/31/2009	50	2021	1.30	5,986	27,211	21,225	35,296	27,531
NON POTABLE WTR LINES-26,640 LF	1 Transmission	12/31/2012	50	2021	1.18	690,650	4,272,060	3,581,410	5,036,333	4,222,126
Anthem - Lowell Reuse Line	1 Transmission	12/31/2014	45	2021	1.16	402,489	3,018,671	2,616,182	3,511,081	3,042,937

City and County of Broomfield
Rate and License Fee Study
Reclaimed Water Fixed Assets by Valuation Method

Item	Backbone Facilities (1 or 0)		Date Acquired	Useful Life	Current Year	Cost Index	Depreciation to Date	Original Cost	Book Value	Replacement Cost New	Replacement Cost New Less Depreciation
Improvements											
2000 STORAGE TANK PAINTING	1	Improvements	12/31/2000	15	2021	1.73	417,829	417,829	0	721,212	0
2002 TELEMETRY	1	Improvements	12/31/2002	5	2021	1.73	8,263	8,263	0	14,330	0
Equipment and Vehicles											
GWR IMPROVEMENTS	0	Equipment	12/31/2004	20	2021	1.51	1,270,658	1,622,117	351,459	2,448,768	530,567
1999 FORD, 3/4 TON PICKUP 4X4	0	Equipment	7/21/1999	5	2021	1.83	20,998	20,998	0	38,406	0
2001 GMC 4X4 1/2 TON PICKUP W/MANUALS PER COB SPCS	0	Equipment	6/25/2001	5	2021	1.76	17,226	17,226	0	30,395	0
CONTROL PANEL--REUSE BLDG NEMA 4X-2005	0	Equipment	7/25/2005	5	2021	1.48	13,720	13,720	0	20,334	0
SOLAR BEE LONG DISTANCE CIRCULATION MACHINE	0	Equipment	12/10/2008	5	2021	1.39	37,301	37,301	0	51,705	0
DVD--DVMRE PRO10--10 CHANNEL TRIPLEX	0	Equipment	12/31/2008	5	2021	1.39	5,063	5,063	0	7,018	0
SOLAR BEE CIRCULATING MACHINE	0	Equipment	12/31/2008	5	2021	1.39	37,301	37,301	0	51,705	0
SOLARBEE MACHINE MODEL SB10000HW V18	0	Equipment	8/2/2012	5	2021	1.18	54,986	54,986	0	64,823	0
SOLARBEE MACHINE-MODEL SB10000HW V18	0	Equipment	8/2/2012	5	2021	1.18	54,986	54,986	0	64,823	0
Chemical Storage Tank	0	Equipment	12/31/2017	5	2021	1.11	49,638	82,729	33,091	91,831	36,732
Allen Bradley Variable Frequency Drive #1 - for Reuse Pump	0	Equipment	8/1/2018	5	2021	1.10	17,344	35,885	18,540	39,295	20,303
Allen Bradley Variable Frequency Drive #2 - for Reuse Pump	0	Equipment	8/1/2018	5	2021	1.10	17,344	35,885	18,540	39,295	20,303
2019 Ford Explorer SUV w/Strobes	0	Equipment	12/1/2018	5	2021	1.10	11,411	27,387	15,976	29,990	17,494
Reuse Pump #1 - 300 HP Motor	0	Equipment	1/31/2020	5	2021	1.08	3,475	18,956	15,481	20,513	16,752
Eaton 350HP Variable Frequency Drive #1 - for Reuse Pump	0	Equipment	3/31/2020	5	2021	1.08	6,161	41,071	34,910	44,444	37,778
Total Reclaimed Water System Assets							\$23,103,086	\$64,260,112	\$41,157,026	\$86,044,459	\$50,705,868

City and County of Broomfield
Reclaimed Water Rate and Fee Study
 Summary of System Assets by Valuation Method

			Original Cost	Book Value	Replacement Cost New	Replacement Cost New Less Depreciation
Cash Assets			\$9,148,744	\$9,148,744	\$9,148,744	\$9,148,744
Fixed Assets:						
Land			\$16,724,192	\$16,724,192	\$16,724,192	\$16,724,192
Plant			7,647,875	4,632,844	11,479,190	6,952,602
Transmission			37,356,343	19,311,992	54,062,187	26,349,145
Improvements			426,092	0	735,542	0
Equipment			2,105,611	487,998	3,043,347	679,929
Backbone System Asset Valuation			\$64,260,112	\$41,157,026	\$86,044,459	\$50,705,868
Net Assets			\$73,408,856	\$50,305,770	\$95,193,203	\$59,854,612
Interest on Existing Growth-Related Debt	Remaining Interest	Growth				
Issuance 1	\$0	0%	0	0	\$0	0
Total Interest Payments (Carrying Cost)			\$0	\$0	\$0	\$0
Less:						
Principal Credit (Debt Paid Through Rates)	Remaining Principal	Growth				
Issuance 1	\$0	0%	0	0	\$0	0
Total Principal Credit			\$0	\$0	\$0	\$0
Value			\$73,408,856	\$50,305,770	\$95,193,203	\$59,854,612

City and County of Broomfield
 Reclaimed Water Rate and Fee Study
 Proposed Reclaimed Water License Fee

	Method			
	1	2	3	4
	Original Cost	Book Value	Replacement Cost New	Replacement Cost New Less Depreciation
Buy-in Portion	\$64,260,112	\$41,157,026	\$86,044,459	\$59,854,612
Interest on Future Growth-Related CIP	0	0	0	
Less: Principal Credit	0	0	-	\$0
Total System Value	\$64,260,112	\$41,157,026	\$86,044,459	\$59,854,612
Total Capacity Served, gpd	3,200,000	3,200,000	3,200,000	3,200,000
License Fee, \$ per gpd	\$20.08	\$12.86	\$26.89	\$18.70
Tap Equivalent Peak Day Contributed Volume, gpd (119 gpd x 3.90 MD/AD)	464	464	464	464
License Fee, \$ per TE	\$9,320	\$5,970	\$12,480	\$8,680

Capital Improvements	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	Total	Costs	Capacity	Unit	
																							Allocated to Growth	(Gallons)	Cost/Gallon	
Acquisition and Storage #70730, #70731																										
3.2MG Reuse Water Tank (Lowell and Sheridan)	\$1,900,000	\$2,500,000	\$10,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,000,000	100%	3,200,000	\$4.38
Heit Pit - Pump Station/Inlet Improvements	305,000	2,086,908	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,391,908	100%	3,200,000	0.75
Heit Pit - Well Field	506,513	1,150,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,656,513	100%	3,200,000	0.52
Distribution: Lines and Facilities #70720, #70721																										
Anthem - Connect Reuse Mainlines at Preble Creek and Indian Peaks	\$1,566,807	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,566,807	100%	3,200,000	\$0.49
Meadow Island Diversion Structure	422,700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	422,700	100%	3,200,000	0.13
Pump Station - Construction (Wastewater Treatment Facility)	0	0	0	1,600,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,600,000	100%	3,200,000	0.50
Distribution: Lines and Facilities North Broomfield/Highway 7																										
North Broomfield/Highway 7 - Reuse Water Lines Extension	\$0	\$0	\$0	\$0	\$0	\$0	\$3,150,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,150,000	100%	591,745,416	\$0.01
North Broomfield/Highway 7 - Water Rights (1,816 AF total)	0	0	0	0	0	0	13,250,000	3,000,000	1,500,000	2,040,000	2,040,000	0	0	0	0	0	0	0	0	0	0	0	21,830,000	100%	591,745,416	0.04
Total Capital Improvement Program	\$4,301,020	\$5,736,908	\$10,000,000	\$1,600,000	\$0	\$0	\$16,400,000	\$3,000,000	\$1,500,000	\$2,040,000	\$2,040,000	\$0	\$46,617,928													

City and County of Broomfield
 Rate and License Fee Study
 Reclaimed Water Debt Service

BOND SIZING	Projected					
	2022	2023	2024	2025	2026	2027
Amount to be Funded	\$0	\$0	\$0	\$0	\$0	\$13,184,308
Issuance Costs	-	-	-	-	-	-
Rounding Amount	-	-	-	-	-	692
Total Bond Size	\$0	\$0	\$0	\$0	\$0	\$13,185,000

Issuance Costs 2%
 Interest Rate 4%
 Term (Years) 30
 Month of Issuance (Jan = 1, Dec = 12) 1

Year	2027		Total
	Principal	Interest	
2022	\$0	\$0	\$0
2023	0	0	0
2024	0	0	0
2025	0	0	0
2026	0	0	0
2027	0	0	0
2028	235,090	527,400	762,490
2029	244,493	517,996	762,490
2030	254,273	508,217	762,490
2031	264,444	498,046	762,490
2032	275,022	487,468	762,490
2033	286,023	476,467	762,490
2034	297,464	465,026	762,490
2035	309,362	453,128	762,490
2036	321,737	440,753	762,490
2037	334,606	427,884	762,490
2038	347,990	414,499	762,490
2039	361,910	400,580	762,490
2040	376,386	386,103	762,490
2041	391,442	371,048	762,490
2042	407,100	355,390	762,490
2043	423,384	339,106	762,490
2044	440,319	322,171	762,490
2045	457,932	304,558	762,490
2046	476,249	286,241	762,490
2047	495,299	267,191	762,490
2048	515,111	247,379	762,490
2049	535,715	226,775	762,490
2050	557,144	205,346	762,490
2051	579,430	183,060	762,490
2052	602,607	159,883	762,490
2053	626,711	135,779	762,490
2054	651,780	110,710	762,490
2055	677,851	84,639	762,490
2056	704,965	57,525	762,490
2057	733,163	29,327	762,490
2058	0	0	0
2059	0	0	0
2060	0	0	0

\$9,689,696

City and County of Broomfield
 Rate and License Fee Study
 Summary of Incremental Reclaimed Water Assets

	Cost per Gallon	Total Cost per Gallon
Fixed Assets:		
Acquisition and Storage #70730, #70731		
3.2MG Reuse Water Tank (Lowell and Sheridan)	\$4.38	
Heit Pit - Pump Station/Inlet Improvements	0.75	
Heit Pit - Well Field	0.52	

Total Acquisition and Storage #70730, #70731		\$5.64
Distribution: Lines and Facilities #70720, #70721		
Anthem - Connect Reuse Mainlines at Preble Creek and Indian Peaks	0.49	
Meadow Island Diversion Structure	0.13	
Pump Station - Construction (Wastewater Treatment Facility)	0.50	

Total Distribution: Lines and Facilities #70720, #70721		1.12
Distribution: Lines and Facilities North Broomfield/Highway 7		
North Broomfield/Highway 7 - Reuse Water Lines Extension	0.01	
North Broomfield/Highway 7 - Water Rights (1,816 AF total)	0.04	

Total Distribution: Lines and Facilities North Broomfield/Highway 7		0.04
Interest Payment on New Debt		3.03
Total Incremental Cost per Gallon		\$9.83
Single Family Peak Day Usage, gpd		464
License Fee, \$ per TE		\$4,560

City and County of Broomfield
Rate and License Fee Study
Proposed Reclaimed Water License Fee

	Original Cost	Book Value	Replacement Cost New	Replacement Cost New Less Depreciation
Buy-In Component				
Existing Assets	\$73,408,856	\$50,305,770	\$95,193,203	\$59,854,612
Interest on Existing Growth-Related CIP	0	0	0	0
Less: Principal Credit	0	0	0	0
Total System Value	\$73,408,856	\$50,305,770	\$95,193,203	\$59,854,612
Total Capacity Served, gpd	3,200,000	3,200,000	3,200,000	3,200,000
Buy-In Cost, \$ per gpd	\$22.94	\$15.72	\$29.75	\$18.70
Incremental Component				
Total Acquisition and Storage #70730, #70731	\$5.64	\$5.64	\$5.64	\$5.64
Total Distribution: Lines and Facilities #70720, #70721	1.12	1.12	1.12	1.12
Total Distribution: Lines and Facilities North Broomfield/Highway 7	0.04	0.04	0.04	0.04
Interest Payment on New Debt	3.03	3.03	3.03	3.03
Incremental Cost, \$ per gpd	\$9.83	\$9.83	\$9.83	\$9.83
Total Cost, \$ per gpd	\$32.77	\$25.55	\$39.58	\$28.54
Single Family Peak Day Usage, gpd	464	464	464	464
License Fee, \$ per TE	\$15,210	\$11,860	\$18,370	\$13,240



3190 S. Vaughn Way
Suite 550, Office 523
Aurora, Colorado, 80014
800.755.6864 | Fax: 888.326.6864
951.587.3500 | Fax: 951.587.3510
www.willdan.com