

**UNANIMOUS AGREEMENT REGARDING DISPOSITION OF
SMALL UTILITY COMPANY REVENUE INCREASE REQUEST**

TBJ SEWER SYSTEMS, INC.

MO PSC FILE NO. SR-2024-0306

BACKGROUND

TBJ Sewer Systems, Inc., (TBJ or Company) initiated the small company revenue increase request ("Request") for sewer service that is the subject of the above-referenced Missouri Public Service Commission ("Commission") File Number by submitting a letter to the Secretary of the Commission in accordance with the provisions of Commission Rule 20 CSR 4240-10.075, Staff Assisted Rate Case Procedure. In its request letter, which was received at the Commission's offices on April 18, 2024, the Company set forth its request for an increase of \$10,000 in its total annual sewer service operating revenues. The Company acknowledged that the design of its customer rates, its service charges, its customer service practices, its general business practices and its general tariff provisions would be reviewed during the Commission Staff's ("Staff") review of the revenue increase request, and could thus be the subject of Staff's recommendations. The Company provides service to approximately 82 sewer customers.

Pursuant to the provisions of the Staff Assisted Rate Case Procedure and related internal operating procedures, Staff initiated an audit of the Company's books and records, a review of the Company's customer service and general business practices, a review of the Company's existing tariff, an inspection of the Company's facilities and a review of the Company's operation of its facilities. (These activities are collectively referred to hereinafter as Staff's "investigation" of the Company's Request.)

Upon completion of its investigation of the Company's Request, Staff provided the Company and the Office of the Public Counsel ("Public Counsel") with information regarding Staff's investigation and the results of the investigation, including Staff's initial recommendations for resolution of the Company's Request.

RESOLUTION OF THE COMPANY'S RATE INCREASE REQUEST

Pursuant to negotiations held subsequent to the Company's and Public Counsel's receipt of the above-referenced information regarding Staff's investigation of the Company's request, Staff and the Company hereby state the following agreements:

- (1) The agreed upon sewer revenue requirement increase of \$15,000 (39.59% increase) added to the level of previous revenues of \$37,887 results in overall annual revenues of \$52,887. This revenue requirement is just and reasonable and designed to recover the Company's cost of service. These amounts are shown on the ratemaking income statements found in Attachment A, incorporated by reference herein;
- (2) The Auditing Department conducted a full and complete audit of the Company's books and records using the 12-month period ended December 31, 2023, updated through March 31, 2024, as the basis for the revenue requirement determined above. The audit findings can be found in Attachments B and C, incorporated by reference herein;
- (3) The agreed upon net rate base is \$49,517 for sewer service. The development of this amount is shown on the rate base worksheet that is found in Attachment D, incorporated by reference herein. This amount is included in the audit work papers in the ultimate determination of the revenue requirement shown in (1) above;
- (4) Included in Attachment B is the agreed upon capital structure which includes an overall recommended rate of return of 8.05%, which is calculated based on an actual capital structure consisting of 50.42% debt and 49.58% equity, with a cost of debt of 4.75% and a cost of equity of 11.41%.
- (5) The schedule of depreciation rates in Attachment E, incorporated by reference herein, includes the depreciation rates used by Staff in its revenue requirement analysis and shall be the prescribed schedule of sewer plant depreciation rates for the Company;
- (6) To allow the Company the opportunity to collect the revenue requirement agreed to in (1) above, the rates as shown on Attachment F, incorporated by reference herein, are just and reasonable rates that the Company will be allowed to charge its customers. The impact of these rates will be as shown on Attachment G, also attached and incorporated by reference herein;
- (7) For the purposes of implementing the agreements set out in this disposition agreement, the current PSC MO Number 1 tariff will be cancelled and replaced by PSC MO Number 2, containing the rates, charges, and language set out in the example tariff sheet(s) attached as Attachment H. The proposed tariff revisions will bear an effective date of December 5, 2024;
- (8) The Company shall mail its customers a final written notice of the rates and charges included in its proposed tariff revisions prior to or with its next billing cycle after issuance of the Commission order approving the terms of this Disposition Agreement. The notice shall include a summary of the impact of the proposed rates on an average residential customer's bill.
- (9) The Company shall maintain mileage logs and time sheets for all employees and contractors including lawn mowing.
- (10) The Company agrees to return for its next rate increase request no more than five years from the conclusion of this case.
- (11) The Company shall develop and implement a process in compliance with

Commission Rule 20 CSR 240-13.040(5) to ensure that customer records are retained for at least (2) years as specified in the rule and that all customer complaints received by Company personnel are documented and maintained for at least two (2) years. Documentation shall include the customer name, address, nature of the complaint, date of occurrence, as well as an explanation of what the Company has done to address the complaint.

(12) The Company shall implement the correct verbiage to the current Disconnect Notice as required by Commission Rule 20 CSR 4240-13.050 (4) (E) to ensure that the possibility of a payment agreement if the claim is for a charge not in dispute and the customer is unable to pay the charge in full at one (1) time.

(13) Staff or Public Counsel may conduct follow-up reviews of the Company's operations to ensure that the Company has complied with the provisions of this Unanimous Disposition Agreement;

(14) Staff or Public Counsel may file a formal complaint against the Company, if the Company does not comply with the provisions of this Unanimous Disposition Agreement;

(15) The Company, Public Counsel, and Staff agree that they have read the foregoing Disposition Agreement, that facts stated therein are true and accurate to the best of the Company's knowledge and belief, that the foregoing conditions accurately reflect the agreement reached between the parties; and that the Company freely and voluntarily enters into this Disposition Agreement; and

(16) The above agreements satisfactorily resolve all issues identified by Staff and the Company regarding the Company's request, except as otherwise specifically stated herein additional matters.

Additional Matters

Other than the specific conditions agreed upon and expressly set out herein, the terms of this Unanimous Disposition Agreement reflect compromises between the Staff, Public Counsel and the Company, and no party has agreed to any particular ratemaking principle in arriving at the amount of the annual operating revenue increase specified herein.

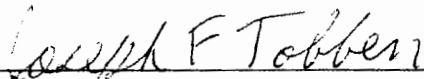
The results of Staff's inspections and review of the Company's operation of its facilities can be found in the Water, Sewer, Gas & Steam Department Report, Attachment J. Staff has completed a Summary of Case Events and has included that summary as Attachment K to this Unanimous Disposition Agreement.

The Company, Public Counsel and Staff acknowledge that Staff will be filing this Unanimous Disposition Agreement and the attachments hereto, in the existing case and that the Company will file the proposed tariff revisions called for in the agreement. The Company also acknowledges that Staff may make other filings in this case.

Additionally, the Company agrees that subject to the rules governing practice before the Commission and without waiving the confidentiality of the facts and positions disclosed in the course of settlement, Staff shall have the right to provide an oral explanation to support its entering into this Unanimous Disposition Agreement, if the Commission requests one at any agenda meeting at which this case is noticed to be considered by the Commission. Subject to the rules governing practice before the Commission and without waiving the confidentiality of the facts and positions disclosed in the course of settlement, Staff will be available to answer Commission questions regarding this Unanimous Disposition Agreement. To the extent reasonably practicable, Staff shall provide the Company with advance notice of any such agenda meeting so that it may have the opportunity to be present and/or represented at the meeting.

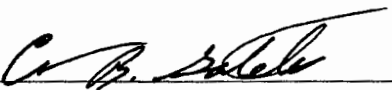
SIGNATURES

Agreement Signed and Dated:




Joseph Tobben
President
TBJ Sewer Systems, Inc.

11-3-24
Date



Curtis Gateley
Manager – Water, Sewer, Gas & Steam Department
Missouri Public Service Commission

11-4-24
Date



John Clizer
Senior Counsel
Office of the Public Counsel

11-12-24
Date

List of Attachments

- Attachment A – Ratemaking Income Statements
- Attachment B – Auditing Department Report
- Attachment C – EMS Run
- Attachment D – Rate Base Worksheets
- Attachment E – Schedules of Depreciation Rates
- Attachment F – Rate Design Worksheets
- Attachment G – Billing Comparison Worksheet
- Attachment H – Example Tariffs
- Attachment I – CXD Report
- Attachment J – Water, Sewer, Gas & Steam Department Report
- Attachment K – Summary of Events

Disposition Agreement Attachment A
Ratemaking Income Statement

TBJ Sewer Services, Inc.
Rate Making Income Statement-Sewer

Operating Revenues at Current Rates

1	Tariffed Rate Revenues *	\$	37,887
2	Other Operating Revenues *		
3	Total Operating Revenues	\$	37,887

* See "Revenues - Current Rates" for Details

Cost of Service

	Item		Amount
9	Labor and Expenses	\$	11,225
10	Fuel and Purchased Power	\$	3,641
11	Chemicals	\$	93
12	Miscellaneous Supplies and Expense	\$	1,881
13	Maintenance of Collection Sewer System	\$	3,538
14	Maintenance of Treatment and Disposal Plant	\$	1,450
15	Customer Records and Collections Expense		
16	Uncollectible Accounts		
17	Administrative and General Salaries	\$	13,484
18	Office Supplies and Other Expenses	\$	648
19	Insurance Expense	\$	620
20	Employee Pension and Benefits		
21	Regulatory Commission Expense	\$	1,198
22	Rents		
23	Depreciation Expense, Dep. Exp.	\$	9,882
24	Property Taxes	\$	364
25	Payroll Taxes		
26	Sub-Total Operating Expenses	\$	48,024
27	Current Income Taxes	\$	876
29	Additional Current Tax Required		
30	Sub-Total Taxes	\$	876
27	Return on Equity ¹	\$	3,987
30	Sub-Total Return On Equity	\$	3,987
32	Total Cost of Service	\$	52,887
34	Overall Revenue Increase Needed	\$	15,000

¹ Rate Base x Rate of Return (Mid-point)

Disposition Agreement Attachment B
Auditing Department Memo

AUDIT RECOMMENDATION MEMORANDUM

FROM: **Keri Roth**
 Water, Sewer, Gas, and Steam Department
 Kelli Malki
 Financial Analysis Department
 Amanda Coffey
 Engineering Analysis Department

TO: **David Spratt, Case Manager**
 Water, Sewer, Gas, and Steam Department
 Casi Aslin
 Mark Johnson
 Staff Counsel's Office

SUBJECT: **Water, Sewer, & Steam Department's Findings and Recommended Cost of Service**
 TBJ Sewer Systems, Inc.
 Case No. SR-2024-0306

DATE: **October 21, 2024**

On April 18, 2024, TBJ Sewer Systems, Inc. ("TBJ" or "Company") filed a rate request letter with the Missouri Public Service Commission ("PSC" or "Commission"). In that letter, which initiated this rate case, TBJ requested an increase of \$10,000 in its annual sewer operating revenues. Staff performed an initial audit of TBJ's sewer operations to determine whether an increase is appropriate and, if so, the amount thereof that would be reasonable.

Based upon Staff's examination of TBJ's books and records and discussions with company personnel, Staff's recommended total revenue requirement calculation for TBJ sewer operations through December 31, 2023 and updated through March 31, 2024,¹ using a return on equity ("ROE") of 11.41%, is \$52,887. The total revenue requirement in this case represents the Gross Revenue Requirement of \$15,000 calculated by Staff plus the current Total Operating Revenues of \$37,887. Attached to this Memorandum is Staff's Accounting Schedules and relevant workpapers related to its review and audit of TBJ's financial operations.

Test Year and Update Period

Staff used a test year consisting of the twelve months ending December 31, 2023, updated through March 31, 2024.¹

Rate Base

¹ Plant and Accumulated Depreciation Reserve balances updated through September 30, 2024, due to very recent pump failures.

Staff reviewed TBJ's responses to Data Request ("DR") Nos. 0012, 0038, and 0046.1 for Construction Work in Progress ("CWIP"), Contributions in Aid of Construction ("CIAC"), and customer deposits respectively. In each, TBJ responded that it does not have any of these for its sewer operations.

However, based upon further review of TBJ's previous rate case, Case No. SR-2011-0182, and review of TBJ's current tariff, it was determined that TBJ does have CIAC. Net CIAC included in Staff's cost of service is \$140,726.

Plant-In-Service Balances

To account for plant investment, Staff utilized its plant balances calculated from Case No. SR-2011-0182 and made adjustments for additional plant investments and retirements. Staff obtained information regarding plant additions from invoices provided by TBJ posted in the check register, invoices included in response to DR 0025, and additions included in TBJ's annual reports. Staff's recommended plant balance less accumulated reserve, as of September 30, 2024, is \$190,243. Due to recent very recent pump failures of multiple pumps, Staff has updated plant and accumulated depreciation reserve balances through September 30, 2024 to include the replacements of the failed pumps.

Depreciation Rates

The depreciation rates used in this rate case are included as Attachment A to this memorandum. Staff member Amanda Coffey of the Commission's Engineering Analysis Department provided the depreciation rates.

Revenues

The number of customers at the end of the test year period, December 31, 2023, was used to annualize revenues in this case. The number of customers was multiplied by the current monthly tariff rate, and then multiplied by twelve to derive the annualized customer charge revenue. Staff normalized TBJ's miscellaneous revenues by using the test year amount as of December 31, 2023. Staff's analysis of revenues for TBJ produced an annualized level of \$37,543 for sewer sales and \$344 for late fees.

Bad Debt

Based on the TBJ's responses to Staff DR Nos. 0049, 0054, 0054.1, TBJ has no bad debt. Customers are charged a \$5.00 late fee for unpaid invoices. Once a customer has three unpaid invoices TBJ will send a disconnect notice. The Company has indicated that a customer has never been sent to collections or been disconnected from service, because the outstanding bills have always been remedied by the customer.

Chemical Expense

TBJ utilizes an Ultraviolet ("UV") system to treat wastewater. However, occasionally chlorine tabs are also utilized to assist with wastewater treatment. After reviewing the books and

records, Staff determined chlorine tablets are purchased once every two years, and has included a normalized level of expense to account for this purchase, which is \$93.

Testing Expense

TBJ utilizes ESA, Inc. to perform quarterly test samples at the sewer facilities. Based on invoices provided, Staff determined utilizing the test year total was the best way to capture an accurate level of expense going forward. Staff has included \$1,881 for testing expense.

Sludge Hauling

More recently, TBJ has begun hauling sludge on an annual basis. The owners of TBJ have a pump truck and haul the sludge themselves for land application. There is currently no expense associated with sludge hauling in TBJ's current rates. TBJ provided the gallons of sludge hauled in years 2020 through 2023. Based on an internet search, Staff has determined that \$0.20 per gallon of sludge hauled is an appropriate level of expense to include in rates. Staff has included a normalized level of expense of \$1,450 in the cost of service, which is based on a two-year average of gallons hauled and utilizing \$0.20 per gallon.

Mileage Expense

TBJ spends at least three days per week to check and clean the treatment plants. Roundtrip mileage to travel to all three plants is 5.7 miles which equates to 889.2 miles per year. Staff multiplied the annual miles by the federal mileage rate of \$0.67 per mile to calculate a normalized level of mileage expense, which is \$596.

Mowing Expense

TBJ has three treatment plants and two lift stations that are mowed approximately 30 weeks per year at approximately 3 hours per week. Staff has included a normalized level of expense for mowing expense, which is \$1,800 per year.

Outside Services

TBJ has recorded fees associated with Missouri One Call invoices in Account 565, Dues. Staff has included a normalized level of expense, based on a two-year average, which is \$57.

Maintenance Expense

Staff recorded test year maintenance expense in account number 770. Staff reviewed costs from 2020 through March 31, 2024. During this period, the costs increased and, therefore, Staff used the test year balance, as of December 31, 2023, as it best represents ongoing costs, which is \$3,406.

Labor and Materials

Labor and materials recorded in Account 680 consisted on labor and materials related to repairs and maintenance on the sewer facilities. Invoices were only available for 2021 through March 2024. Staff normalized the expense utilizing a two-year average from 2022 through 2023, which is \$75.

Operating and Assessment Fees

The PSC Assessment and Missouri Department of Natural Resources (“DNR”) permit fees were recorded by TBJ in Account 715, Operating and Assessment Fees.

Staff made an adjustment to include PSC Assessment fees based on the fiscal year 2025 assessment. The annualized level of expense for the PSC Assessment is \$298.

Staff annualized DNR permit fees based on the invoices provided by TBJ for each sewer plant. The annualized level of expense for DNR permit fees is \$900.

Rate of Return and Capital Structure

The Commission’s Financial Analysis Department provided Audit Staff with a preliminary rate of return (“ROR”) recommendation. To recommend the allowed ROR, The Financial Analysis Department Staff examined the financial and business risks of TBJ Sewer Systems, Inc. (“TBJ”). TBJ does not have a public credit rating. Because TBJ’s credit rating is not publicly available, Staff utilized the S&P Credit Ratings guide to approximate TBJ’s credit rating using the parameters for estimating credit ratings within the S&P Credit Ratings guide.² In order to estimate credit ratings using the S&P Credit Ratings guide, Staff examined the financial risk profile (“FRP”) and business risk profile (“BRP”) of TBJ. To examine the FRP and BRP of a small utility, Staff analyzes financial statements and ratios. Staff reviewed 2020 through April 2024 financial statements for TBJ.³

Regulated utilities and its holding companies usually fall in the upper range (“Excellent” or “Strong”) of business risk profiles.⁴ While the water and sewer sector experience general stability, small utilities (operating revenues less than \$25 million) can experience continued stress which could weaken their financial performance due to rising operating pressures as a result of rising costs and labor shortages.⁵ TBJ’s sewer utilities is smaller than other major regulated water and/or sewer utilities rated by S&P. In Staff’s reasonable judgement, a BRP of “Strong”, one notch below “Excellent” due to TBJ’s sewer utilities’ small size, is appropriate for TBJ.⁶

² S&P’s General: Methodology: Business Risk/Financial Risk Matrix Expanded, published September 18, 2012.

³ TBJ’s response to Data Request. No. 0001 & No. 0002.

⁴ S&P’s Utilities: Key Credit Factors: Business and Financial risks In the Investor Owned Utilities Industry, published November 26, 2008.

⁵ S&P’s U.S. Municipal Water and Sewer Utility Medians Held Strong in 2022 Amid Rising Costs, published September 27, 2023.

⁶ S&P’s General: Methodology: Business Risk/Financial Risk Matrix Expanded, published September 18, 2012.

TBJ's sewer services showed net operating incomes for 2020 through 2022. A net operating loss was reported for 2023; however, net operating income was positive for Q1 2024.⁷ While positive net incomes indicate the company is operating in a mostly sustainable manner with "Intermediate" financial risk, the company's Total Debt to Total Capital ratio 50.531% shows the company is "Aggressive". Additionally, TBJ's Funds from Operations ("FFO") to Total Debt and Total Debt to Earnings before Interest, Taxes, and Depreciation/Amortization ("EBITDA") ratios 0.445% and 22.891x, respectively) indicates the company is "Highly Leveraged". The ratios indicate a FRP between "Highly Leveraged" and "Aggressive" for TBJ, Staff reasonably determined the appropriate FRP for TBJ is "Highly Leveraged".

With a BRP of "Strong" and a FRP of "Highly Leveraged", respectively, the S&P Credit Ratings guide matrix indicates a credit rating of "BB-".⁸ A credit rating of "BB-" for public utilities bonds has a three month average corresponding interest rate of approximately 7.41%.⁹ Considering the risk profiles of TBJ as well as the risk premium determined in TBJ's most recent small rate case¹⁰, a 4% Risk Premium was added to the interest rate of 7.41% resulting in an ROE of 11.41%. Due to the fact that TBJ has a capital structure consisting of 50.42% debt with a 4.75% Cost of Debt and 49.58% equity, Staff finds that a reasonably allowed ROR for TBJ would be 8.05%.

Payroll

TBJ's current rates include \$2,000 of payroll for the owners of TBJ, \$1,500 towards operations and maintenance and \$500 towards administrative.

Staff received timesheets for years 2020 through 2023. Through review of the timesheets and discussion with company personnel, it was determined that Tina spends 8 hours in the office every Wednesday performing billing, accounts payable, handling phone calls, etc. Jonathan also performs billing and bookkeeping tasks when Tina is unable to and spends an average of just over 15 hours per year. Marilyn is available throughout the week to handle any phone calls related to TBJ business matters. Staff has included 4 hours per week for Marilyn's time. MERIC was utilized to determine an appropriate hourly rate for Tina, Jonathan, and Marilyn. Staff has included \$12,645 in wages for billing, bookkeeping, and office tasks performed by Tina, Jonathan, and Marilyn.

Additionally, Joe, Tim, and Ben are typically the individuals performing operations and maintenance on the sewer systems. Staff also utilized MERIC to determine appropriate hourly rates and utilized a four-year average of hours recorded to determine a level of wages for operations and maintenance. In addition to Joe's average hours spent on operations and maintenance, Staff has included 4 hours per week for management duties to run the Company. Staff has included \$9,432 in the cost of service for TBJ.

⁷ TBJ's response to Data Request No. 0001 & No. 0002.

⁸ S&P's General: Methodology: Business Risk/Financial Risk Matrix Expanded, published September 18, 2012.

⁹ McKinley's Workpaper.

¹⁰ SR-2011-0182

General Liability Insurance

General liability insurance expense is recorded by TBJ in Account 640, Insurance Expense. Staff utilized the most current policy amount to annualize insurance expense. The annualized level of general liability insurance expense is \$620.

Property Taxes

TBJ did not identify a specific account where property taxes is recorded. However, based on TBJ's check register and invoices provided, the last four years of property tax invoices has fluctuated. Therefore, Staff utilized a four-year average to normalized the amount of property tax expense to include in the cost of service. The normalized level of property taxes, specific to the sewer systems, is \$364.

Rate Case Expense

The only rate case expense was internal labor costs; therefore, Staff did not include any rate case expense at this time.

Utilities Expense

In its response to Staff DR No. 0023, TBJ provided copies of electric bills from 2021 to May 2024. Typically, Staff would utilize usage to calculate utility expense. However, utility expense increased from each total calendar year 2020 through 2023. Staff made the decision to utilize the test year amount of utility expense for TBJ's cost of service, which is \$3,641.

Customer Deposit Interest Expense

In response to Staff DR No. 0046.1, TBJ states it does not have any deposits from sewer customers.

Accounting Expense

TBJ utilizes an outside accounting firm for annual tax returns. Based on invoices provided for years 2021 through 2024, the annual level of expense has been increasing steadily. Staff utilized the most recent invoice as an appropriate level of expense to be included for accounting expense, which is \$839.

Office Supplies and Postage

Based on invoices provided by TBJ to Staff DR 0023, office supplies and postage expense has increased yearly from 2021 through 2023. Staff determined that utilizing the test year balance would be the best representation of annual expenditures for office supplies and postage. Staff also included a monthly fee for Quickbooks, which is paid from another Company owned by TBJ's

owners. Staff has split this monthly fee to include only half of the expense in TBJ's cost of service. Staff has included \$648 in the cost of service.

STAFF'S RECOMMENDATIONS

Staff recommends that the Commission issue an order that:

- Requires TBJ to implement the Uniform Systems of Accounts for Class D Sewer Utilities 1976 ("USOA") as prescribed by 20 CSR 4240-61.020;
- Requires TBJ to maintain documentation of sewer related revenues and costs;
- Requires TBJ to keep records identifiable for each of its systems, including those for customer account records and capital costs;
- Require TBJ to utilize the plant-in-service, accumulated depreciation reserve, Contributions in Aid of Construction, and Contributions in Aid of Construction reserve balances as included in Staff's EMS run, as of September 30, 2024;
- Authorizes TBJ to utilize depreciation rates that are shown in Attachment A;
- Require TBJ to utilize the sample timesheet provided by Staff;
- Require TBJ to keep a mowing log to track how often and the length of time mowing occurs; and,
- Require TBJ to initiate a new rate proceeding not less than five years from the date rates become effective in this rate case.

Disposition Agreement Attachment C

EMS Run

Exhibit No.: _____

Issue: Accounting Schedules

Witness: Staff

Sponsoring Party: Staff

Case No: SR-2024-0306

Date Prepared: 7/17/2024



MISSOURI PUBLIC SERVICE COMMISSION

UTILITY SERVICES DIVISION

STAFF ACCOUNTING SCHEDULES

TBJ SEWER SYSTEMS, INC.

CASE NO. SR-2024-0306

Jefferson City, Missouri

July 2024

TBJ Sewer Systems, Inc.
 Case No. SR-2024-0306
 Test Year Ended 12-31-2023, Updated 9-30-2024
 TBJ Sewer Systems, Inc.
 Revenue Requirement

Line Number	A Description	B 8.05% Return	C 8.05% Return	D 8.05% Return
1	Net Orig Cost Rate Base	\$49,517	\$49,517	\$49,517
2	Rate of Return	8.05%	8.05%	8.05%
3	Net Operating Income Requirement	\$3,987	\$3,987	\$3,987
4	Net Income Available	-\$7,438	-\$7,438	-\$7,438
5	Additional Net Income Required	\$11,425	\$11,425	\$11,425
6	Income Tax Requirement			
7	Required Current Income Tax	\$877	\$877	\$877
8	Current Income Tax Available	-\$2,699	-\$2,699	-\$2,699
9	Additional Current Tax Required	\$3,576	\$3,576	\$3,576
10	Revenue Requirement	\$15,001	\$15,001	\$15,001
11	Allowance for Known and Measureable Changes/True-Up Estimate	\$0	\$0	\$0
12	Miscellaneous	\$0	\$0	\$0
13	Gross Revenue Requirement	\$15,001	\$15,001	\$15,001

TBJ Sewer Systems, Inc.
 Case No. SR-2024-0306
 Test Year Ended 12-31-2023, Updated 9-30-2024
 TBJ Sewer Systems, Inc.
 RATE BASE SCHEDULE

Line Number	A Rate Base Description	B Percentage Rate	C Dollar Amount
1	Plant In Service		\$550,573
2	Less Accumulated Depreciation Reserve		\$360,330
3	Net Plant In Service		\$190,243
4	ADD TO NET PLANT IN SERVICE		
5	Cash Working Capital		\$0
6	Contributions in Aid of Construction Amortization		\$99,474
7	Materials & Supplies		\$0
8	Prepayments		\$0
9	Meter Rerouting Project		\$0
10	TOTAL ADD TO NET PLANT IN SERVICE		\$99,474
11	SUBTRACT FROM NET PLANT		
12	Federal Tax Offset	0.0000%	\$0
13	State Tax Offset	0.0000%	\$0
14	City Tax Offset	0.0000%	\$0
15	Interest Expense Offset	0.0000%	\$0
16	Contributions in Aid of Construction		\$240,200
17	Customer Advances		\$0
18	Customer Deposits		\$0
19	Deferred Income Taxes		\$0
20	Accrued Pension Liability		\$0
21	TOTAL SUBTRACT FROM NET PLANT		\$240,200
22	Total Rate Base		\$49,517

TBJ Sewer Systems, Inc.
Case No. SR-2024-0306
Test Year Ended 12-31-2023, Updated 9-30-2024
TBJ Sewer Systems, Inc.
Plant In Service

Line Number	A Account # (Optional)	B Plant Account Description	C Total Plant	D Adjust. Number	E Adjustments	F As Adjusted Plant	G Jurisdictional Allocations	H Jurisdictional Adjustments	I MO Adjusted Jurisdictional
1		INTANGIBLE PLANT							
2	301.000	Organization	\$10,391	P-2	\$0	\$10,391	100.00%	\$0	\$10,391
3	302.000	Franchises and Consents	\$0	P-3	\$0	\$0	100.00%	\$0	\$0
4	303.000	Miscellaneous Intangible Plant	\$0	P-4	\$0	\$0	100.00%	\$0	\$0
5		TOTAL PLANT INTANGIBLE	\$10,391		\$0	\$10,391		\$0	\$10,391
6		LAND AND STRUCTURES							
7	310.000	Land and Land Rights	\$0	P-7	\$0	\$0	100.00%	\$0	\$0
8	311.000	Structures and Improvements	\$51,927	P-8	\$0	\$51,927	100.00%	\$0	\$51,927
9		TOTAL LAND AND STRUCTURES	\$51,927		\$0	\$51,927		\$0	\$51,927
10		COLLECTION PLANT							
11	352.000	Collection Sewers	\$0	P-11	\$0	\$0	100.00%	\$0	\$0
12	352.100	Collection Sewers-Force	\$14,276	P-12	\$0	\$14,276	100.00%	\$0	\$14,276
13	352.200	Collection Sewers-Gravity	\$165,952	P-13	\$0	\$165,952	100.00%	\$0	\$165,952
14	353.000	Other Collecting Plant Facilities	\$0	P-14	\$0	\$0	100.00%	\$0	\$0
15	354.000	Services to Customers	\$36,723	P-15	\$0	\$36,723	100.00%	\$0	\$36,723
16	355.000	Flow Measuring Devices	\$0	P-16	\$0	\$0	100.00%	\$0	\$0
17		TOTAL COLLECTION PLANT	\$216,951		\$0	\$216,951		\$0	\$216,951
18		SYSTEM PUMPING PLANT							
19	362.000	Receiving Wells and Pump Pits	\$10,596	P-19	\$0	\$10,596	100.00%	\$0	\$10,596
20	363.000	Pumping Equipment	\$9,840	P-20	\$3,127	\$12,967	100.00%	\$0	\$12,967
21		TOTAL SYSTEM PUMPING PLANT	\$20,436		\$3,127	\$23,563		\$0	\$23,563
22		TREATMENT & DISPOSAL PLANT							
23	372.000	Oxidation Lagoon	\$0	P-23	\$0	\$0	100.00%	\$0	\$0
24	373.000	Treatment & Disposal Equipment	\$247,126	P-24	\$0	\$247,126	100.00%	\$0	\$247,126
25	373.100	STEP Equipment	\$0	P-25	\$0	\$0	100.00%	\$0	\$0
26	374.000	Plant Sewers	\$0	P-26	\$0	\$0	100.00%	\$0	\$0
27	375.000	Outfall Sewer Lines	\$106	P-27	\$0	\$106	100.00%	\$0	\$106
28	376.000	Other T&D Plant Equipment	\$0	P-28	\$0	\$0	100.00%	\$0	\$0
29		TOTAL TREATMENT & DISPOSAL PLANT	\$247,232		\$0	\$247,232		\$0	\$247,232
30		GENERAL PLANT							
31	391.000	Office Furniture and Equipment	\$0	P-31	\$0	\$0	100.00%	\$0	\$0
32	391.100	Office Electronic & Computer Eqmt	\$0	P-32	\$0	\$0	100.00%	\$0	\$0
33	392.000	Transportation Equipment	\$0	P-33	\$0	\$0	100.00%	\$0	\$0
34	393.000	Other General Equipment	\$509	P-34	\$0	\$509	100.00%	\$0	\$509
35		TOTAL GENERAL PLANT	\$509		\$0	\$509		\$0	\$509
36		TOTAL PLANT IN SERVICE	\$547,446		\$3,127	\$550,573		\$0	\$550,573

TBJ Sewer Systems, Inc.
 Case No. SR-2024-0306
 Test Year Ended 12-31-2023, Updated 9-30-2024
 TBJ Sewer Systems, Inc.
 Adjustments to Plant in Service

A Plant Adj. Number	B Plant In Service Adjustment Description	C Account Number	D Adjustment Amount	E Total Adjustment Amount	F Jurisdictional Adjustments	G Total Jurisdictional Adjustments
P-20	Pumping Equipment	363.000		\$3,127		\$0
	1. Pump Replacement x2 and labor (7,052) and retire old pumps (3,925)		\$3,127		\$0	
Total Plant Adjustments				<u>\$3,127</u>		<u>\$0</u>

TBJ Sewer Systems, Inc.
Case No. SR-2024-0306
Test Year Ended 12-31-2023, Updated 9-30-2024
TBJ Sewer Systems, Inc.
Depreciation Expense

Line Number	A Account Number	B Plant Account Description	C MO Adjusted Jurisdictional	D Depreciation Rate	E Depreciation Expense	F Average Life	G Net Salvage
1		INTANGIBLE PLANT					
2	301.000	Organization	\$10,391	0.00%	\$0	0	0.00%
3	302.000	Franchises and Consents	\$0	0.00%	\$0	0	0.00%
4	303.000	Miscellaneous Intangible Plant	\$0	0.00%	\$0	0	0.00%
5		TOTAL PLANT INTANGIBLE	\$10,391		\$0		
6		LAND AND STRUCTURES					
7	310.000	Land and Land Rights	\$0	0.00%	\$0	0	0.00%
8	311.000	Structures and Improvements	\$51,927	2.50%	\$1,298	0	0.00%
9		TOTAL LAND AND STRUCTURES	\$51,927		\$1,298		
10		COLLECTION PLANT					
11	352.000	Collection Sewers	\$0	0.00%	\$0	0	0.00%
12	352.100	Collection Sewers-Force	\$14,276	2.00%	\$286	0	0.00%
13	352.200	Collection Sewers-Gravity	\$165,952	2.00%	\$3,319	0	0.00%
14	353.000	Other Collecting Plant Facilities	\$0	0.00%	\$0	0	0.00%
15	354.000	Services to Customers	\$36,723	2.00%	\$734	0	0.00%
16	355.000	Flow Measuring Devices	\$0	0.00%	\$0	0	0.00%
17		TOTAL COLLECTION PLANT	\$216,951		\$4,339		
18		SYSTEM PUMPING PLANT					
19	362.000	Receiving Wells and Pump Pits	\$10,596	4.00%	\$424	0	0.00%
20	363.000	Pumping Equipment	\$12,967	10.00%	\$1,297	0	0.00%
21		TOTAL SYSTEM PUMPING PLANT	\$23,563		\$1,721		
22		TREATMENT & DISPOSAL PLANT					
23	372.000	Oxidation Lagoon	\$0	0.00%	\$0	0	0.00%
24	373.000	Treatment & Disposal Equipment	\$247,126	1.00%	\$2,471	0	0.00%
25	373.100	STEP Equipment	\$0	0.00%	\$0	0	0.00%
26	374.000	Plant Sewers	\$0	0.00%	\$0	0	0.00%
27	375.000	Outfall Sewer Lines	\$106	2.00%	\$2	0	0.00%
28	376.000	Other T&D Plant Equipment	\$0	0.00%	\$0	0	0.00%
29		TOTAL TREATMENT & DISPOSAL PLANT	\$247,232		\$2,473		
30		GENERAL PLANT					
31	391.000	Office Furniture and Equipment	\$0	0.00%	\$0	0	0.00%
32	391.100	Office Electronic & Computer Eqmt	\$0	0.00%	\$0	0	0.00%
33	392.000	Transportation Equipment	\$0	0.00%	\$0	0	0.00%
34	393.000	Other General Equipment	\$509	10.00%	\$51	0	0.00%
35		TOTAL GENERAL PLANT	\$509		\$51		
36		Total Depreciation	\$550,573		\$9,882		

Note: Average Life and Net Salvage columns are informational and have no impact on the entered Depreciation Rate.

TBJ Sewer Systems, Inc.
Case No. SR-2024-0306
Test Year Ended 12-31-2023, Updated 9-30-2024
TBJ Sewer Systems, Inc.
Accumulated Depreciation Reserve

Line Number	A Account Number	B Depreciation Reserve Description	C Total Reserve	D Adjust. Number	E Adjustments	F As Adjusted Reserve	G Jurisdictional Allocations	H Jurisdictional Adjustments	I MO Adjusted Jurisdictional
1		INTANGIBLE PLANT							
2	301.000	Organization	\$0	R-2	\$0	\$0	100.00%	\$0	\$0
3	302.000	Franchises and Consents	\$0	R-3	\$0	\$0	100.00%	\$0	\$0
4	303.000	Miscellaneous Intangible Plant	\$0	R-4	\$0	\$0	100.00%	\$0	\$0
5		TOTAL PLANT INTANGIBLE	\$0		\$0	\$0		\$0	\$0
6		LAND AND STRUCTURES							
7	310.000	Land and Land Rights	\$0	R-7	\$0	\$0	100.00%	\$0	\$0
8	311.000	Structures and Improvements	\$19,697	R-8	\$0	\$19,697	100.00%	\$0	\$19,697
9		TOTAL LAND AND STRUCTURES	\$19,697		\$0	\$19,697		\$0	\$19,697
10		COLLECTION PLANT							
11	352.000	Collection Sewers	\$0	R-11	\$0	\$0	100.00%	\$0	\$0
12	352.100	Collection Sewers-Force	\$5,078	R-12	\$0	\$5,078	100.00%	\$0	\$5,078
13	352.200	Collection Sewers-Gravity	\$60,677	R-13	\$8,056	\$68,733	100.00%	\$0	\$68,733
14	353.000	Other Collecting Plant Facilities	\$0	R-14	\$0	\$0	100.00%	\$0	\$0
15	354.000	Services to Customers	\$16,273	R-15	\$0	\$16,273	100.00%	\$0	\$16,273
16	355.000	Flow Measuring Devices	\$0	R-16	\$0	\$0	100.00%	\$0	\$0
17		TOTAL COLLECTION PLANT	\$82,028		\$8,056	\$90,084		\$0	\$90,084
18		SYSTEM PUMPING PLANT							
19	362.000	Receiving Wells and Pump Pits	\$10,363	R-19	-\$2,120	\$8,243	100.00%	\$0	\$8,243
20	363.000	Pumping Equipment	\$13,908	R-20	-\$9,433	\$4,475	100.00%	\$0	\$4,475
21		TOTAL SYSTEM PUMPING PLANT	\$24,271		-\$11,553	\$12,718		\$0	\$12,718
22		TREATMENT & DISPOSAL PLANT							
23	372.000	Oxidation Lagoon	\$0	R-23	\$0	\$0	100.00%	\$0	\$0
24	373.000	Treatment & Disposal Equipment	\$237,533	R-24	\$0	\$237,533	100.00%	\$0	\$237,533
25	373.100	STEP Equipment	\$0	R-25	\$0	\$0	100.00%	\$0	\$0
26	374.000	Plant Sewers	\$0	R-26	\$0	\$0	100.00%	\$0	\$0
27	375.000	Outfall Sewer Lines	\$44	R-27	\$0	\$44	100.00%	\$0	\$44
28	376.000	Other T&D Plant Equipment	\$0	R-28	\$0	\$0	100.00%	\$0	\$0
29		TOTAL TREATMENT & DISPOSAL PLANT	\$237,577		\$0	\$237,577		\$0	\$237,577
30		GENERAL PLANT							
31	391.000	Office Furniture and Equipment	\$0	R-31	\$0	\$0	100.00%	\$0	\$0
32	391.100	Office Electronic & Computer Eqmt	\$0	R-32	\$0	\$0	100.00%	\$0	\$0
33	392.000	Transportation Equipment	\$0	R-33	\$0	\$0	100.00%	\$0	\$0
34	393.000	Other General Equipment	\$682	R-34	-\$428	\$254	100.00%	\$0	\$254
35		TOTAL GENERAL PLANT	\$682		-\$428	\$254		\$0	\$254
36		TOTAL DEPRECIATION RESERVE	\$364,255		-\$3,925	\$360,330		\$0	\$360,330

TBJ Sewer Systems, Inc.
 Case No. SR-2024-0306
 Test Year Ended 12-31-2023, Updated 9-30-2024
 TBJ Sewer Systems, Inc.
 Adjustments for Depreciation Reserve

A	B	C	D	E	F	G
Reserve Adjustment Number	Accumulated Depreciation Reserve Adjustments Description	Account Number	Adjustment Amount	Total Adjustment Amount	Jurisdictional Adjustments	Total Jurisdictional Adjustments
R-13	Collection Sewers-Gravity	352.200		\$8,056		\$0
	1. Reallocation of reserve balances		\$8,056		\$0	
R-19	Receiving Wells and Pump Pits	362.000		-\$2,120		\$0
	1. Reallocation of reserve balances		-\$2,120		\$0	
R-20	Pumping Equipment	363.000		-\$9,433		\$0
	1. Reallocation of reserve balances & retirement of pumps		-\$9,433		\$0	
R-34	Other General Equipment	393.000		-\$428		\$0
	1. Reallocation of reserve balances		-\$428		\$0	
Total Reserve Adjustments				-\$3,925		\$0

TBJ Sewer Systems, Inc.
Case No. SR-2024-0306
Test Year Ended 12-31-2023, Updated 9-30-2024
TBJ Sewer Systems, Inc.
Cash Working Capital

Line Number	A Description	B Test Year Adj. Expenses	C Revenue Lag	D Expense Lag	E Net Lag C - D	F Factor (Col E / 365)	G CWC Req B x F
1	OPERATION AND MAINT. EXPENSE						
2	Base Payroll	\$0	0.00	0.00	0.00	0.000000	\$0
3	Tax Withholding	\$0	0.00	0.00	0.00	0.000000	\$0
4	Pensions and Employee Benefits	\$0	0.00	0.00	0.00	0.000000	\$0
5	Electric	\$0	0.00	0.00	0.00	0.000000	\$0
6	Telephone	\$0	0.00	0.00	0.00	0.000000	\$0
7	Office Rents	\$0	0.00	0.00	0.00	0.000000	\$0
8	Intercompany Billing	\$0	0.00	0.00	0.00	0.000000	\$0
9	Uncollectible Accounts	\$0	0.00	0.00	0.00	0.000000	\$0
10	PSC Assessment	\$0	0.00	0.00	0.00	0.000000	\$0
11	Expense Allocations	\$0	0.00	0.00	0.00	0.000000	\$0
12	Materials and Supplies	\$0	0.00	0.00	0.00	0.000000	\$0
13	Cash Vouchers	\$37,778	0.00	0.00	0.00	0.000000	\$0
14	TOTAL OPERATION AND MAINT. EXPENSE	\$37,778					\$0
15	TAXES						
16	FICA - Employer Portion	\$0	0.00	0.00	0.00	0.000000	\$0
17	Unemployment	\$0	0.00	0.00	0.00	0.000000	\$0
18	Property Tax	\$0	0.00	0.00	0.00	0.000000	\$0
19	Gross Receipts Tax	\$0	0.00	0.00	0.00	0.000000	\$0
20	Corporate Franchise	\$0	0.00	0.00	0.00	0.000000	\$0
21	Sales Tax	\$0	0.00	0.00	0.00	0.000000	\$0
22	TOTAL TAXES	\$0					\$0
23	CWC REQ'D BEFORE RATE BASE OFFSETS						\$0
24	TAX OFFSET FROM RATE BASE						
25	Federal Tax Offset	\$745	0.00	0.00	0.00	0.000000	\$0
26	State Tax Offset	\$132	0.00	0.00	0.00	0.000000	\$0
27	City Tax Offset	\$0	0.00	0.00	0.00	0.000000	\$0
28	Interest Expense Offset	\$1,186	0.00	0.00	0.00	0.000000	\$0
29	TOTAL OFFSET FROM RATE BASE	\$2,063					\$0
30	TOTAL CASH WORKING CAPITAL REQUIRED						\$0

TBJ Sewer Systems, Inc.
Case No. SR-2024-0306
Test Year Ended 12-31-2023, Updated 9-30-2024
TBJ Sewer Systems, Inc.
Income Statement

Line Number	A Category Description	B Total Test Year	C Test Year Labor	D Test Year Non Labor	E Adjustments	F Total Company Adjusted	G Jurisdictional Adjustments	H MO Final Adj Jurisdictional	I MO Juris. Labor	J MO Juris. Non Labor
1	TOTAL OPERATING REVENUES	\$0	See Note (1)	See Note (1)	See Note (1)	\$0	\$37,887	\$37,887	See Note (1)	See Note (1)
2	TOTAL COLLECTION OPERATIONS EXPENSES	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3	TOTAL COLLECTION MAINT. EXPENSES	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4	TOTAL PUMPING OPERATIONS EXPENSES	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5	TOTAL PUMPING MAINTENANCE EXPENSES	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
6	TOTAL TREAT. & DISP. OPER. EXPENSE	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
7	TOTAL TREAT. & DISP. MAINT. EXPENSES	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
8	TOTAL OPERATION EXPENSE	\$5,708	\$5,708	\$0	\$12,582	\$18,290	\$0	\$18,290	\$18,290	\$0
9	TOTAL MAINTENANCE EXPENSE	\$3,706	\$3,706	\$0	-\$168	\$3,538	\$0	\$3,538	\$3,538	\$0
10	TOTAL CUSTOMER ACCOUNTS EXPENSE	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
11	TOTAL ADMIN. & GENERAL EXPENSES	\$3,014	\$3,014	\$0	\$12,936	\$15,950	\$0	\$15,950	\$15,950	\$0
12	TOTAL DEPRECIATION EXPENSE	\$0	See Note (1)	See Note (1)	See Note (1)	\$0	\$9,882	\$9,882	See Note (1)	See Note (1)
13	TOTAL AMORTIZATION EXPENSE	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
14	TOTAL OTHER OPERATING EXPENSE	\$381	\$381	\$0	-\$17	\$364	\$0	\$364	\$364	\$0
15	TOTAL OPERATING EXPENSE	\$12,809	\$12,809	\$0	\$25,333	\$38,142	\$9,882	\$48,024	\$38,142	\$0
16	NET INCOME BEFORE TAXES	-\$12,809	\$0	\$0	\$0	-\$38,142	\$28,005	-\$10,137	\$0	\$0
17	TOTAL INCOME TAXES	\$0	See Note (1)	See Note (1)	See Note (1)	\$0	-\$2,699	-\$2,699	See Note (1)	See Note (1)
18	TOTAL DEFERRED INCOME TAXES	\$0	See Note (1)	See Note (1)	See Note (1)	\$0	\$0	\$0	See Note (1)	See Note (1)
19	NET OPERATING INCOME	-\$12,809	\$0	\$0	\$0	-\$38,142	\$30,704	-\$7,438	\$0	\$0

(1) Labor and Non Labor Detail not applicable to Revenue & Taxes

TBJ Sewer Systems, Inc.
Case No. SR-2024-0306
Test Year Ended 12-31-2023, Updated 9-30-2024
TBJ Sewer Systems, Inc.
Adjustments to Income Statement Detail

A Income Adj. Number	B Income Adjustment Description	C Account Number	D Company Adjustment Labor	E Company Adjustment Non Labor	F Company Adjustments Total	G Jurisdictional Adjustment Labor	H Jurisdictional Adjustment Non Labor	I Jurisdictional Adjustments Total
Rev-2	Residential	400.000	\$0	\$0	\$0	\$0	\$37,543	\$37,543
	1. To Annualize Residential Revenue		\$0	\$0		\$0	\$37,543	
Rev-5	Other Sewer Revenue - Oper. Rev.	400.000	\$0	\$0	\$0	\$0	\$344	\$344
	1. To Annualize Other Water Revenue - Oper. Rev.		\$0	\$0		\$0	\$344	
	2. No Adjustment		\$0	\$0		\$0	\$0	
E-14	Management/Operator Salary	700.000	\$7,976	\$0	\$7,976	\$0	\$0	\$0
	1. To include Salary for Joe Toebben		\$7,976	\$0		\$0	\$0	
E-15	Other Labor Expense	701.000	\$853	\$0	\$853	\$0	\$0	\$0
	1. To include labor expense for maintenance help		\$853	\$0		\$0	\$0	
E-16	Mileage Expense		\$596	\$0	\$596	\$0	\$0	\$0
	1. To include mileage expense for system checks		\$596	\$0		\$0	\$0	
E-17	Mowing Expense		\$1,800	\$0	\$1,800	\$0	\$0	\$0
	1. To include mowing expense		\$1,800	\$0		\$0	\$0	
E-18	Sludge Hauling Expense	702.000	\$1,450	\$0	\$1,450	\$0	\$0	\$0
	To include expense for sludge hauling		\$1,450	\$0		\$0	\$0	
E-20	Chemicals	704.000	-\$93	\$0	-\$93	\$0	\$0	\$0
	To normalize chemical expense		-\$93	\$0		\$0	\$0	
E-24	Outside Services	710.000	\$25	\$0	\$25	\$0	\$0	\$0
	To normalize MO One Call Expense		\$25	\$0		\$0	\$0	
E-26	Labor & Materials	712.000	-\$7	\$0	-\$7	\$0	\$0	\$0
	To normalize labor and materials expense		-\$7	\$0		\$0	\$0	
E-27	Repairs & Maintenance	713.000	-\$186	\$0	-\$186	\$0	\$0	\$0
	To normalize repairs and maintenance expense		-\$186	\$0		\$0	\$0	
E-41	Administrative and General Salaries	920.000	\$12,645	\$0	\$12,645	\$0	\$0	\$0
	1. To include wages for billing/bookkeepers/office admin		\$12,645	\$0		\$0	\$0	
E-43	Office Supplies and Other Expenses	921.000	\$180	\$0	\$180	\$0	\$0	\$0
	1. To include expense for Quickbooks monthly fee		\$180	\$0		\$0	\$0	
E-44	Outside Services Employed - Accounting	923.000	\$129	\$0	\$129	\$0	\$0	\$0

TBJ Sewer Systems, Inc.
Case No. SR-2024-0306
Test Year Ended 12-31-2023, Updated 9-30-2024
TBJ Sewer Systems, Inc.
Income Tax Calculation

Line Number	A Description	B Percentage Rate	C Test Year	D 8.05% Return	E 8.05% Return	F 8.05% Return
1	TOTAL NET INCOME BEFORE TAXES		-\$10,137	\$4,864	\$4,864	\$4,864
2	ADD TO NET INCOME BEFORE TAXES					
3	Book Depreciation Expense		\$9,882	\$9,882	\$9,882	\$9,882
4	TOTAL ADD TO NET INCOME BEFORE TAXES		\$9,882	\$9,882	\$9,882	\$9,882
5	SUBT. FROM NET INC. BEFORE TAXES					
6	Interest Expense calculated at the Rate of	2.3950%	\$1,186	\$1,186	\$1,186	\$1,186
7	Tax Straight-Line Depreciation		\$9,882	\$9,882	\$9,882	\$9,882
8	TOTAL SUBT. FROM NET INC. BEFORE TAXES		\$11,068	\$11,068	\$11,068	\$11,068
9	NET TAXABLE INCOME		-\$11,323	\$3,678	\$3,678	\$3,678
10	PROVISION FOR FED. INCOME TAX					
11	Net Taxable Inc. - Fed. Inc. Tax		-\$11,323	\$3,678	\$3,678	\$3,678
12	Deduct Missouri Income Tax at the Rate of	100.000%	-\$407	\$132	\$132	\$132
13	Deduct City Inc Tax - Fed. Inc. Tax		\$0	\$0	\$0	\$0
14	Federal Taxable Income - Fed. Inc. Tax		-\$10,916	\$3,546	\$3,546	\$3,546
15	Federal Income Tax at the Rate of	21.000%	-\$2,292	\$745	\$745	\$745
16	Subtract Federal Income Tax Credits					
17	Net Federal Income Tax		-\$2,292	\$745	\$745	\$745
18	PROVISION FOR MO. INCOME TAX					
19	Net Taxable Income - MO. Inc. Tax		-\$11,323	\$3,678	\$3,678	\$3,678
20	Deduct Federal Income Tax at the Rate of	50.000%	-\$1,146	\$373	\$373	\$373
21	Deduct City Income Tax - MO. Inc. Tax		\$0	\$0	\$0	\$0
22	Missouri Taxable Income - MO. Inc. Tax		-\$10,177	\$3,305	\$3,305	\$3,305
23	Subtract Missouri Income Tax Credits					
24	Missouri Income Tax at the Rate of	4.000%	-\$407	\$132	\$132	\$132
25	PROVISION FOR CITY INCOME TAX					
26	Net Taxable Income - City Inc. Tax		-\$11,323	\$3,678	\$3,678	\$3,678
27	Deduct Federal Income Tax - City Inc. Tax		-\$2,292	\$745	\$745	\$745
28	Deduct Missouri Income Tax - City Inc. Tax		-\$407	\$132	\$132	\$132
29	City Taxable Income		-\$8,624	\$2,801	\$2,801	\$2,801
30	Subtract City Income Tax Credits					
31	City Income Tax at the Rate of	0.000%	\$0	\$0	\$0	\$0
32	SUMMARY OF CURRENT INCOME TAX					
33	Federal Income Tax		-\$2,292	\$745	\$745	\$745
34	State Income Tax		-\$407	\$132	\$132	\$132
35	City Income Tax		\$0	\$0	\$0	\$0
36	TOTAL SUMMARY OF CURRENT INCOME TAX		-\$2,699	\$877	\$877	\$877
37	DEFERRED INCOME TAXES					
38	Deferred Income Taxes - Def. Inc. Tax.		\$0	\$0	\$0	\$0
39	Amortization of Deferred ITC		\$0	\$0	\$0	\$0
40	TOTAL DEFERRED INCOME TAXES		\$0	\$0	\$0	\$0
41	TOTAL INCOME TAX		-\$2,699	\$877	\$877	\$877

TBJ Sewer Systems, Inc.
 Case No. SR-2024-0306
 Test Year Ended 12-31-2023, Updated 9-30-2024
 TBJ Sewer Systems, Inc.
 Capital Structure Schedule

Line Number	A Description	B Dollar Amount	C Percentage of Total Capital Structure	D Embedded Cost of Capital	E Weighted Cost of Capital 11.41%	F Weighted Cost of Capital 11.41%	G Weighted Cost of Capital 11.41%
1	Common Stock	\$80,301	49.58%		5.657%	5.657%	5.657%
2	Other Security Tax Deductible	\$0	0.00%	0.00%	0.000%	0.000%	0.000%
3	Preferred Stock	\$0	0.00%	0.00%	0.000%	0.000%	0.000%
4	Long Term Debt	\$81,661	50.42%	4.75%	2.395%	2.395%	2.395%
5	Short Term Debt	\$0	0.00%	0.00%	0.000%	0.000%	0.000%
6	Other Security-Non Tax Deductible	\$0	0.00%	0.00%	0.000%	0.000%	0.000%
7	TOTAL CAPITALIZATION	\$161,962	100.00%		8.052%	8.052%	8.052%
8	PreTax Cost of Capital				9.823%	9.823%	9.823%

TBJ Sewer Systems, Inc.
Case No. SR-2024-0306
Test Year Ended 12-31-2023, Updated 9-30-2024
TBJ Sewer Systems, Inc.
Executive Case Summary

A	B	
Line Number	Description	Amount
1	Annualized Missouri Retail Revenues	\$37,887
2	Annualized Customer Numbers	82
3	Annualized Customer Usage	0
4	Profit (Return on Equity)	\$2,801
5	Interest Expense	\$1,186
6	Annualized Payroll	\$38,142
7	Utility Employees	0
8	Depreciation	\$9,882
9	Net Investment Plant	\$190,243
10	Pensions	\$0

Disposition Agreement Attachment D

Rate Base

TBJ Sewer Systems, Inc.
Case No. SR-2024-0306
Test Year Ended 12-31-2023, Updated 9-30-2024
TBJ Sewer Systems, Inc.
RATE BASE SCHEDULE

Line Number	A Rate Base Description	B Percentage Rate	C Dollar Amount
1	Plant In Service		\$550,573
2	Less Accumulated Depreciation Reserve		\$360,330
3	Net Plant In Service		\$190,243
4	ADD TO NET PLANT IN SERVICE		
5	Cash Working Capital		\$0
6	Contributions in Aid of Construction Amortization		\$99,474
7	Materials & Supplies		\$0
8	Prepayments		\$0
9	Meter Rerouting Project		\$0
10	TOTAL ADD TO NET PLANT IN SERVICE		\$99,474
11	SUBTRACT FROM NET PLANT		
12	Federal Tax Offset	0.0000%	\$0
13	State Tax Offset	0.0000%	\$0
14	City Tax Offset	0.0000%	\$0
15	Interest Expense Offset	0.0000%	\$0
16	Contributions in Aid of Construction		\$240,200
17	Customer Advances		\$0
18	Customer Deposits		\$0
19	Deferred Income Taxes		\$0
20	Accrued Pension Liability		\$0
21	TOTAL SUBTRACT FROM NET PLANT		\$240,200
22	Total Rate Base		\$49,517

Disposition Agreement Attachment E
Schedule of Depreciation Rates

TBJ SEWER SYSTEMS, Inc.
Schedule of Depreciation Rates
SR-2024-0306

Account Number	Account Description	Depreciation Rate	Average Service Life (Years)	Net Salvage
311	Structures and Improvements	2.5%	40	0%
352.1	Collection Sewers (Force)	2.0%	50	0%
352.2	Collection Sewers (Gravity)	2.0%	50	0%
354	Services	2.0%	50	0%
362	Receiving Wells	4.0%	25	0%
363	Electric Pumping Equipment	10.0%	10	0%
373	Treatment and Disposal Facilities	1.0%	22	0%
375	Outfall Sewer Lines	2.0%	50	0%
393	Other General Equipment	10.0%	10	0%

Disposition Agreement Attachment F
Rate Design Worksheet

TBJ Sewer Services, Inc.

Development of Tariffed Rates-Sewer

Revenues Generated by Current Tariffed Rates	\$	37,544
Agreed-Upon Overall Revenue Increase	\$	15,000
Percentage Increase Needed		39.954%

Customer Rates

	Current		Proposed
	Monthly Service		Monthly Service
	Charge		Charge
Residential - St. Johns	\$ 36.59	\$	49.79
Residential - Bourbeuse River	\$ 30.05	\$	49.79
Residential - Oak Hollow	\$ 36.11	\$	49.79
St. Johns Church / School	\$ 346.36	\$	346.36

Disposition Agreement Attachment G
Billing Comparison Worksheet

TBJ Sewer Services, Inc.

Residential Customer Bill Comparison-Sewer

Customer	Current Monthly Flat Rate	Proposed Monthly Customer Charge
Residential - St. Johns	\$ 36.59	\$ 49.79
Residential - Bourbeuse River	\$ 30.05	\$ 49.79
Residential - Oak Hollow	\$ 36.11	\$ 49.79
St. Johns Church / School	\$ 346.36	\$ 346.36

Disposition Agreement Attachment H

Example Tariff

Name of Utility: TBJ Sewer Systems, Inc.

Service Area: Franklin County, MO

Rules Governing Rendering of Sewer Service		
<u>INDEX</u>		
Sheet No.		
1	Index	
2	Map of Service Area	
3	Legal Description of Service Area	
4	Schedule of Rates	
5	Schedule of Service Charges	
<u>Sheet</u> <u>Number</u>	<u>Rule</u> <u>Number</u>	<u>Rule</u> <u>Subject</u>
6	1	Definitions
11	2	General Matters
12	3	Limited Authority of Company Employees
13	4	Applications for Sewer Service
15	5	Inside Piping and Customer Service Sewer
19	5A	Pressure Collecting Sewers
21	6	Improper or Excessive Use
24	7	Discontinuance of Service
30.	8	Termination of Service
31	9	Interruptions in Service
32	10	Bills for Service
33	11	Extension of Collecting Sewers
* Indicates new rate or text		
+ Indicates change		

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ISSUED BY Joseph Tobben President
 name of officer title

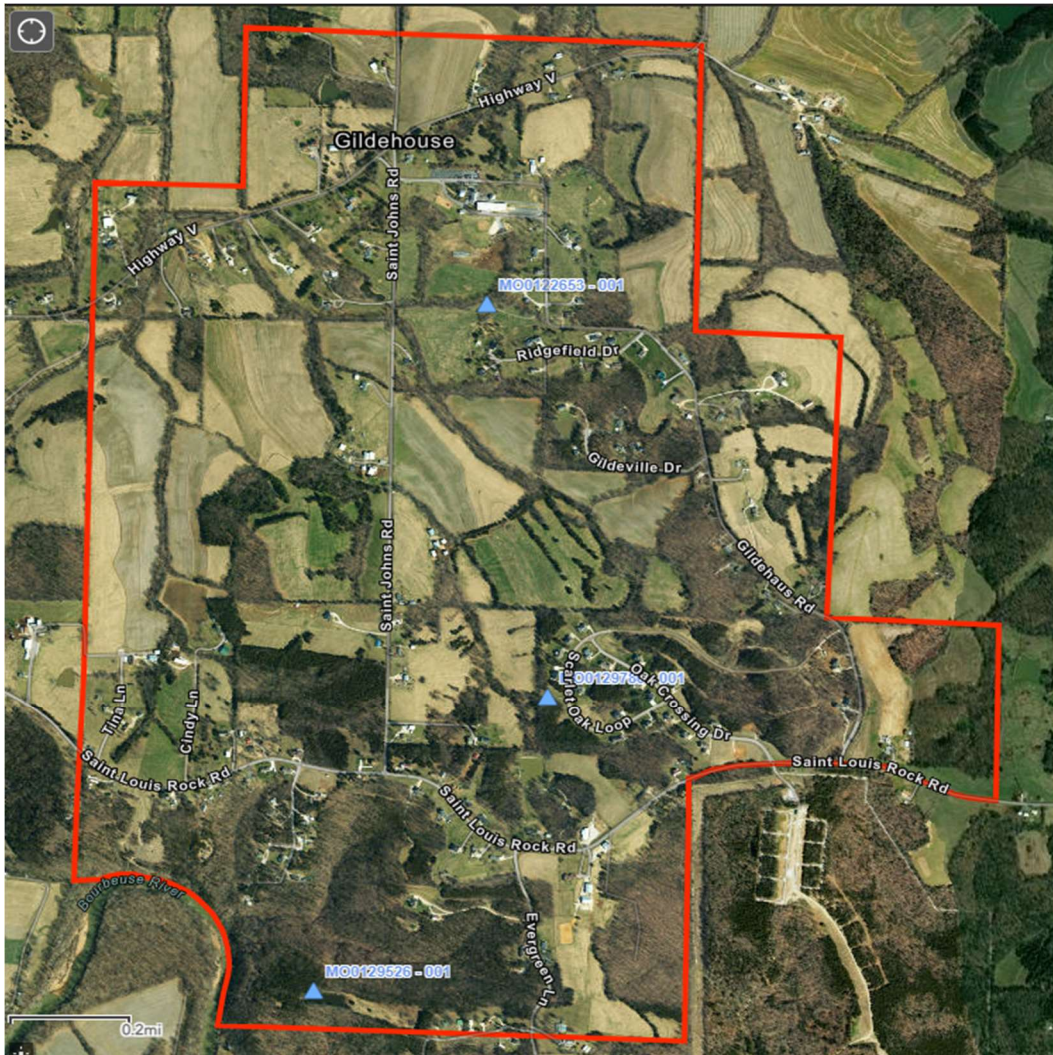
5686 Gildehaus Rd. Villa Ridge, MO 63089
 address

Name of Utility: TBJ Sewer Systems, Inc.

Service Area: Franklin County, MO

Rules Governing Rendering of
Sewer Service

Map of Service Area



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Name of Utility: TBJ Sewer Systems, Inc.

Service Area: Franklin County, MO

Rules Governing Rendering of
Sewer Service

Legal Description of Service Area

The Southwest $\frac{1}{4}$ of the Southwest $\frac{1}{4}$ and the West 500 feet of the Southeast $\frac{1}{4}$ of the Southwest $\frac{1}{4}$ in Section 8.

The North $\frac{1}{2}$ of the Northwest $\frac{1}{4}$ of the Northwest $\frac{1}{4}$, the Northeast $\frac{1}{4}$ of the Northwest $\frac{1}{4}$, and the West 500 feet of the Northwest $\frac{1}{4}$ of the Northeast $\frac{1}{4}$ in Section 17.

All in Township 43 North, Range 1 East of the 5th P.M. in Franklin County, Missouri

AND

The South $\frac{1}{2}$ of the Southeast $\frac{1}{4}$ and the Northeast $\frac{1}{4}$ of the Southeast $\frac{1}{4}$ in Section 7.

The North $\frac{1}{2}$ of the Southwest $\frac{1}{4}$ in Section 8, and the Southeast $\frac{1}{4}$ of the Southwest $\frac{1}{4}$ in Section 8, Excepting there from the West 500 feet.

The West $\frac{1}{2}$ of the Northeast $\frac{1}{4}$ of Section 17, excepting there from the West 500 feet of the Northwest $\frac{1}{4}$ of the Northeast $\frac{1}{4}$.

All that part of the Southeast $\frac{1}{4}$ of Section 17, lying North of St. Louis Rock Road, a County road, and the Southwest $\frac{1}{4}$, the South $\frac{1}{2}$ of the Northwest $\frac{1}{4}$, and the South $\frac{1}{2}$ of the Northwest $\frac{1}{4}$ of the Northwest $\frac{1}{4}$ of Section 17.

The Southeast $\frac{1}{4}$ and Northeast $\frac{1}{4}$ in Section 18.

All that part of the North $\frac{1}{2}$ of the Northeast $\frac{1}{4}$ of Section 19, lying Northeast of the Bourbeuse River.

The North $\frac{1}{2}$ of the Northwest $\frac{1}{4}$ in Section 20.

All in Township 43 North, Range 1 East of the 5th P.M. in Franklin County, Missouri and containing 1,084 acres more or less.

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Name of Utility: TBJ Sewer Systems, Inc.

Service Area: Franklin County, MO

Rules Governing Rendering of Sewer Service	
<u>Schedule of Rates</u>	
Application – These monthly sewer service charges will be in effect for customers connected to TBJ Sewer System, Inc. treatment plants in its authorized service area as follows.	
Residential Rate:	
Monthly Service Charge	\$49.79 per month +
St. John the Baptist Church & School:	
Monthly Service Charge	\$346.36 per month
 Taxes – Any applicable Federal, State, or local taxes computed on a billing basis shall be added as separate items in rendering a bill.	
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Name of Utility: TBJ Sewer Systems, Inc.

Service Area: Franklin County, MO

Rules Governing Rendering of Sewer Service	
<u>Schedule of Service Charges</u>	
Application - These sewer service charges will be in effect for customers connected to TBJ Sewer System, Inc. treatment plants in its authorized service area as follows.	
Contribution-in-aid-of-Construction (CIAC) - shall apply for new connections. (See Rule 11 if a sewer extension is required)	
ST. JOHNS TREATMENT PLANT	
Residential CIAC Rate	\$1,000
Commercial CIAC Rate	\$12 per 1,000 gallons of estimated annual water use with a minimum of \$1,000
BOURBEUSE RIVER TREATMENT PLANT	
Residential CIAC Rate	\$3,900
OAK HOLLOW TREATMENT PLANT	
Residential CIAC Rate	\$2,200 (No CIAC charge for customers residing within Oak Hollow Subdivision)
Taxes - Any applicable Federal, State or local taxes computed on a billing basis shall be added as separate items in rendering each bill.	
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Name of Utility: TBJ Sewer Systems, Inc.

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Rules Governing Rendering of
Sewer Service

Rule 1 – Definitions

- A. An "APPLICANT" is a person, firm, corporation, governmental body, or other entity that has applied for sewer service and/or an extension of collecting sewers along with additional plant facilities; two or more such entities may make one application for a sewer extension, and be considered one APPLICANT. An "ORIGINAL APPLICANT" is an APPLICANT who entered into any contract or agreement with the Company for an extension of collecting sewers and/or additional plant facilities, contributed funds or utility plant assets to the Company under the terms of the contract or agreement, and is eligible for refunds under the terms of the contract or agreement as additional Applicants connect to such extensions or plant facilities.
- B. "B.O.D" denotes Biochemical Oxygen Demand. It is the quantity of oxygen utilized in the biochemical oxidation of waste matter under standard laboratory conditions expressed in milligrams per liter.
- C. "C.O.D" denotes Chemical Oxygen Demand. It is the quantity of oxygen utilized in the chemical oxidation of waste matter under standard laboratory conditions, expressed in milligrams per liter.
- D. A "COLLECTING SEWER" is a pipeline, including force pipelines, gravity sewers, interceptors, laterals, trunk sewers, manholes, lampholes, and necessary appurtenances, including service tees, wyes and saddles, which is owned and maintained by the Company, located on public property or on private easements, and used to transport sewage waste from the Customer's service connection to the point of disposal. A "PRESSURE COLLECTING SEWER" is a collecting sewer pipeline, including tees, wyes, and saddles, operated under pressure from pump units owned and operated by customers connected to the pipeline, and is sometimes referred to generically as a COLLECTING SEWER.

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Service Area: Franklin County, MO

Rules Governing Rendering of
Sewer Service

- E. The "COMPANY" is TBJ Sewer Systems, Inc., acting through its officers, managers, or other duly authorized employees or agents.
- F. A "CUSTOMER" is any person, firm, corporation or governmental body which has contracted with the Company for sewer service, or is receiving service from the Company, or whose facilities are connected for utilizing such service, and except for a guarantor is responsible for payment for service.
- G. The "DATE OF CONNECTION" shall be the date the permit for a service connection is issued by the Company. In the event no permit is taken and a service connection is made, the date of connection shall be determined based on available information, such as construction/occupancy permits, or water or electric service turn-on dates, or may be the date of commencement of construction of the building upon the property.
- H. A "DEVELOPER" is any person, firm, corporation, partnership or any entity that, directly or indirectly, holds title to, or sells or leases, or offers to sell or lease, or advertises for sale or lease, any lots in a subdivision.
- I. "DISCONTINUANCE OF SERVICE" is intentional cessation of the use of sewer service by action of the Company not at the request of the Customer. Such DISCONTINUANCE OF SERVICE may be accomplished by methods including physical disconnection of the service sewer, or turn-off of water service by the water utility at the request of the Company.
- J. "DOMESTIC SEWAGE" is sewage, excluding storm and surface water, resulting from normal household activities; and, "NON-DOMESTIC SEWAGE" is all sewage other than DOMESTIC SEWAGE including, but not limited to, commercial or industrial wastes. See Rule 6 - Improper or Excessive Use.

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Rules Governing Rendering of
Sewer Service

- K. A "FOUNDATION DRAIN" is a pipe installed inside or outside the foundation of a structure for the purpose of draining ground or subsurface water away from the foundation.
- L. "pH" is the relative degree of acidity or alkalinity of water as indicated by the hydrogen ion concentration. pH is indicated on a scale reading from 1-14, with 7.0 being neutral, below 7.0 acid, and above 7.0 alkaline; more technically defined as the logarithm of the reciprocal of the hydrogen ion concentration.
- M. A "PUMP UNIT" is a self contained facility consisting generally of a tank and an electric pump and may include liquid level controls, an alarm, and check valves; the Pump Unit may either separate solid from liquid waste retaining the solid waste in the tank and pumping the liquid waste under pressure to collecting sewer pipelines (septic tank effluent pump or STEP), or may pump waste water including solids to a collecting sewer or a pressure collecting sewer (grinder pump). The PUMP UNIT is installed, owned and maintained by the Customer.
- N. A "RETURNED CHECK" is a check that is returned to the Company from any bank unpaid for any reason.
- O. A "SADDLE" is a fitting that connects the Customer's Service Sewer to the collecting sewer whether it be a gravity collecting sewer or a pressure collecting sewer; the saddle clamps around the collecting sewer pipeline into which pipeline a hole is cut, and the Service Sewer is connected to the Saddle thereby connecting it to the collecting sewer.
- P. A "SEASONAL CUSTOMER" is a Customer who is absent from the premises and may turn off, or request the Company turn off, water service temporarily. All Rates, Rules and Regulations within this tariff continue to apply to "Seasonal Customers" during periods of seasonal absence or turn-off.

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Rules Governing Rendering of
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- Q. A "SERVICE CONNECTION" is the connection of a service sewer to the Company's collecting sewer either at the bell of a tee branch or wye branch, or the bell of a saddle placed on the barrel of the collecting sewer.
- R. A "SERVICE SEWER" or "CUSTOMER'S SERVICE SEWER" is a pipe with appurtenances installed, owned and maintained by the Customer, used to conduct sewage from the Customer's premises to the collecting sewer, excluding service tees, wyes or saddles. For Customers connected to a pressure collecting sewer and utilizing a pump unit, the portion of the Service Sewer between the pump unit and the collecting sewer is a pressurized portion of the Service Sewer. In addition to other parts and fittings this shall include a stop cock accessible to the Company for turn-off of sewage flow and a check valve to prevent backflow of wastewater under pressure in the pressure collecting sewer. The SERVICE SEWER is constructed, owned and maintained by the Customer.
- S. A "SUBDIVISION" is any land in the state of Missouri which is divided or proposed to be divided into two or more lots or other divisions of land, whether contiguous or not, or uniform in size or not, for the purpose of sale or lease, and includes re-subdivision thereof.
- T. A "TEE" is a three-way one-piece pipe fitting in the shape of the letter "T" that is a part of the Collecting Sewer pipeline and to which the Customer's Service Sewer is connected.
- U. "TERMINATION OF SERVICE" is the cessation of the use of sewer service requested by the Customer. Such TERMINATION OF SERVICE shall be accomplished by a method verified and recognized by the Company, and may include physical disconnection of the service sewer, termination or disconnection of water service by the water utility, or the Company's observation of non-occupancy of the unit served.

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Rules Governing Rendering of
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V. The word "UNIT" or "LIVING UNIT" shall be used herein to define the premises or property of a single sewer user, whether or not that sewer user is the Customer. It shall pertain to any building whether multi-tenant or single occupancy, residential or commercial, owned or leased. Each mobile home in a mobile home park, and each rental unit of a multi-tenant rental property are considered as separate Units for each single family or firm occupying same as a residence or place of business.

W. A "WYE" or "WYE BRANCH" or "Y" or "Y BRANCH" is a three-way one-piece pipe fitting in the shape of the letter "y" that is a part of the collecting sewer pipeline, and to which the Customer's service sewer is connected.

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Rules Governing Rendering of
Sewer Service

Rule 2 - General Matters

- A. Every applicant, upon signing an application for sewer service or any Customer accepting service rendered by the Company, shall be considered to have expressed consent to be bound by these Rates, Rules and Regulations.
- B. The Company's Rules and Regulations governing rendering of service are set forth in the numbered sheets of this tariff. The rates applicable to appropriate class of service in particular service areas are set forth in rate schedules and constitute a part of this tariff.
- C. The Company reserves the right, subject to approval from the Missouri Public Service Commission, to prescribe additional Rates, Rules or Regulations or to alter existing Rates, Rules or Regulations as it may from time-to-time deem necessary or proper.
- D. After the effective date of these rules, all new facilities, construction contracts and written agreements shall conform to these Rules and Regulations, in accordance with the statutes of the State of Missouri, and the Rules and Regulations of the Missouri Public Service Commission. Pre-existing facilities that do not conform with these Rules and Regulations may remain, if said facilities do not cause any service problems or improper use, and reconstruction is impractical.
- E. The point of sewer service provided by the Company shall be at the service connection.
- F. The Company shall have the right to enter upon the Customer's premises for the purpose of inspecting for compliance with these rules. Company personnel shall identify themselves and such inspections shall be conducted during reasonable hours.

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Rules Governing Rendering of
Sewer Service

Rule 3 – Limited Authority Of Company Employees

- A. Employees or agents of the Company are expressly forbidden to demand or accept any compensation for any service rendered to its Customers except as covered in the Company's Rules and Regulations.
- B. No employee or agent of the Company shall have the right or authority to bind it by any promise, agreement or representation contrary to the letter or intent of these Rules and Regulations.
- C. The Company shall not be responsible for damages due to any failure to remove wastewater from the premises, or for interruption if such failure or interruption is without willful default or negligence on its part.
- D. The Company shall not be liable for damages because of any interruption of sewer service, or for damages caused by defective piping, fittings, fixtures or appliances on the Customer's premises and not owned by the Company.
- E. The Company shall not be liable for damages due to damages from Acts of God, civil disturbances, war, government actions, and other uncontrollable occurrences.

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Rules Governing Rendering of
Sewer Service

Rule 4 – Applications For Sewer Service

- A. A written application for service, signed by the Customer, and accompanied by the appropriate fees as provided in the Schedule of Rates, the Schedule of Service Charges, Rule 11 - Extension of Collecting Sewers, and other information required by these Rules, must be received from each Customer. Said application must be filed in writing three (3) business days in advance stating the street, house number, name of the applicant, name of the property owner, and the time, at which connection is to be made.
- B. The Company shall have the right to refuse service for failure to comply with the rules herein, or if the Customer owes a past due bill not in dispute for sewer service at any location within the Company's service area.
- C. In any case where a collecting sewer extension or unusual construction or equipment expense is necessary to furnish the service, the Company may require a contract for service specifying a reasonable period of time for the Company to provide the service.
- D. If the Customer is a tenant, the Company shall notify the owner of the property or owner's property manager or other agent, if known to the Company, that such owner or property manager may be responsible for payment of the sewer service bill associated with the application.
- E. A prospective Commercial or Industrial Customer shall, upon request of the Company, present in writing to the Company a list of devices that will discharge to the collecting sewers, the amount and specifications of any discharge, and the location of any buildings. The Company will then advise the Customer of the form and the character of the wastewater collection facilities available. If a sewer extension as provided for in Rule 11 - Extension of Collecting Sewers will be

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Rules Governing Rendering of
Sewer Service

necessary, or if the Customer will be required to own, operate, and maintain a pretreatment facility, the Customer will also be so advised.

- F. When sewer charges are based on water usage, the Company reserves the right to refuse sewer service to any applicant unless said applicant agrees to install a water meter accessible by the Company, so that there will be a basis for sewer charges. The Company and Customer may agree to an estimated water use amount, on an interim basis for a period not to exceed six (6) months, to allow time to install suitable metering equipment.
- G. The Company will determine or approve the location of the service connection. Service sewers will not be extended along public streets or roadways or through property of others in connecting with collecting sewers. If a service connection is requested at a point not already served by a collecting sewer of adequate capacity, the collecting sewer shall be extended in accordance with Rule 11 - Extension of Collecting Sewers, unless in the Company's judgment such a collecting sewer would serve no other future purpose and a service sewer may be constructed to serve the Customer's premises in a reasonable manner.
- H. A new service connection shall be authorized when all conditions in the above paragraphs, and Rule 5 – Inside Piping and Customer Service Sewer, regarding application, construction and inspection provisions, are met.
- I. No substantial addition to the water using equipment or appliances connected to the sewer system shall be made by Commercial or Industrial Customers except upon written notice to and with the written consent of the Company.

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Rules Governing Rendering of
Sewer Service

Rule 5 – Inside Piping And Customer Service Sewer

- A. The Customer is obligated to construct, repair, and maintain the service sewer from the collecting sewer to the building, and make the connection to the collecting sewer, with the approval of the Company. The Customer shall notify the Company prior to cleaning or repairing the service sewer.
- B. When a service sewer is to be connected to the collecting sewer, the plumber shall advise the Company twenty-four (24) hours in advance of when the connection is expected to be made so a representative of the Company can inspect the installation and connection. No backfill shall be placed until the work has been inspected by the Company. In the event the Customer or the Customer's agent shall damage a tee branch, wye branch or saddle, or cause damage to the collecting sewer, then the Customer shall be responsible for the cost to repair any such damage, including replacement of pipe or appurtenances as necessary.
- C. Plumbing specifications of all governmental agencies having jurisdiction, and these Rules and Regulations, in effect at the time of connection, must be met. The Company may deny service or may discontinue service where foundation drains, downspouts, or other sources of surface or storm water are permitted to enter the sewer system through either the inside piping or through the building sewer.
- D. A separate and independent service sewer shall generally be required for every building. Exceptions are:
 - 1. When one building stands at the rear of another building on an interior lot where a proper service sewer cannot be constructed through an adjoining easement. In that situation, the service sewer from the front building may be extended to the rear building and it will be considered as one service sewer.
 - 2. When two or more buildings are a part of a complex that cannot be subdivided.

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Rules Governing Rendering of
Sewer Service

- E. The gravity service sewer shall be constructed using ductile iron pipe, polyvinyl chloride pipe (PVC), ASTM specification or equal; or other suitable material approved by the Company. Only those jointing materials and methods that are approved by the Company may be used. Joints shall be tight and waterproof. Any part of the service sewer that is located within ten (10) feet of a water main or water service pipe shall be constructed of ductile iron or PVC pressure pipe. The pipe shall be bedded according to the manufacturer's specifications and on undisturbed earth or fill compacted to at least ninety-five percent (95%) proctor density. Fill may be non-organic soil or aggregate.
- F. The size and slope of the gravity service sewer shall be subject to the approval of the Company, but in no event shall the diameter be less than four (4) inches. The slope of such four (4) inch gravity sewer pipe shall not be less than one-eighth (1/8) inch per foot.
- G. Whenever possible, the service sewer shall be brought to the building at an elevation below the basement floor. No building sewer shall be laid parallel to or within three (3) feet of any bearing wall except where the service sewer enters the building area. The depth shall be sufficient to afford protection from frost. The service sewer shall be laid at a uniform grade and in straight alignment insofar as possible. Changes in direction shall be made only with properly curved pipes and fittings.
- H. Existing service sewers may be used in connection with new buildings only when they are found on examination and test to meet all requirements of the Company.
- I. In any building in which a building drain is too low to permit the required slope of the service sewer, sanitary sewage carried by such drain shall be lifted by approved artificial means and discharged to the service sewer. No water operated sewage ejector shall be used.

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Rules Governing Rendering of
Sewer Service

- J. All excavations required for the installation of a service sewer and connection to the collecting sewer shall be open trench work unless otherwise approved by the Company. Pipe laying and backfill shall be performed in accordance with the latest published engineering specifications of the manufacturer of the materials used, and all applicable local plumbing codes.
- K. The connection of the service sewer to the collecting sewer shall be made at the tee branch or wye branch, if such branch is available at a suitable location. If the collecting sewer is vitrified clay pipe of twelve inch (12") diameter or less and there is no properly located tee branch or wye branch at a suitable location, such a branch shall be furnished and installed by the Customer at a location specified by the Company and by an installation method approved by the Company. If the collecting sewer is greater than twelve inches (12") in diameter, or is PVC of any size, a neat hole may be cut at a location specified by the Company, and a saddle shall be furnished installed by the Customer to which the service sewer will be connected. The invert of the service sewer at the point of connection shall be at the centerline or higher elevation of the collecting sewer. The connection shall be secure and watertight. The wye branch, tee branch, or saddle shall become a part of the Company's collecting sewer and owned by the Company after installation.
- L. Any change in the location of an existing service connection and/or service sewer requested by the Customer shall be made at the Customer's expense.
- M. Company personnel may not work on piping or facilities not owned by the Company, unless authorized by the Customer. Except, the Company will work on Customer-owned Pump Units as provided for within these Rules and Regulations.
- N. The Company shall have the right to enter the Customer's premises, after reasonable notice, for the purposes of inspection to ensure compliance with these Rules and Regulations. Company personnel shall identify themselves and make these inspections only at reasonable hours.

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- O. Customer Service Sewers may not be extended along public streets or roadways or through property of others in connecting with the Company's collecting sewers. The service sewer may, however, extend through the collecting sewer easement and roadway easement as necessary in order to be connected to a collecting sewer located across and adjacent to a street in front of the Customer's living unit. The service sewer must be laid in a straight line and at right angles to the collecting sewer and the face of the structure or as nearly so as possible. Any deviation from this because of physical obstruction will be at the discretion of the Company.

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Rule 5A – Pressure Collecting Sewers

- A. This rule applies to customers on pressure collecting sewers, and is not applicable to customers on a gravity collecting sewer. Other rules elsewhere herein not applicable specifically to gravity collecting sewers or gravity service sewers also apply, in addition to this rule.
- B. Any customer proposing to discharge domestic sewage, and to be connected to a pressure collecting sewer, shall install at their own expense within the lot, a pump unit of suitable capacity. All pump units and components utilized in a pump unit must be approved by the Company prior to installation. Installation costs of the pump unit, electrical wiring and components, and service sewers between the dwelling and the pump unit and between the pump unit and the Company's collecting sewers shall be the responsibility of the Customer. The Company may make parts and construction services available on a contractual basis. Electricity costs for pump operation shall be the responsibility of the Customer.
- C. The Company will locate the point to which the service connection to the pressure collecting sewer will be made, and the Customer shall furnish materials for the connection. All taps to the pressure collecting sewer shall be done by the Company. One connection shall not service more than one property.
- D. The pressurized portion of the service sewer shall be constructed of copper, ductile iron or PVC pressure pipe.
- E. A stop cock shall be installed on the pressurized portion of the service sewer near the service connection. Said stop cock shall be in a location accessible to the Company so that it may be operated by either the Company or the Customer, and shall include a provision for locking by the Company. A check valve near the stop cock may be required by the Company, depending upon the type of pump utilized. The stop cock and check valve will be furnished, owned and maintained by the Company.

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- F. In addition to other methods outlined elsewhere within these Rules, specifically Rule 7, for discontinuance of sewer service, sewer service may be disconnected by the Company by locking the stop cock in the closed position. Service shall not be resumed again except upon payment of all delinquent charges, plus any applicable approved service charge to cover the costs of resuming service, in accordance with these Rules.
- G. The gravity service sewer from the building to the pump unit and the pressurized portion of the service sewer from the pump unit to the collecting sewer shall be owned and maintained by the Customer.
- H. The pump unit shall be owned by the Customer. The Customer shall be responsible for repair, or replacement if necessary, of the tank portion of a pump unit. The Customer shall be responsible for the cost of mechanical and electrical parts, miscellaneous material, and labor, necessary for the repair of a pump unit including emergency repairs.
- I. If a Customer does not timely undertake necessary repairs to a pump unit for which the Customer is responsible, and a failure of a pump unit is causing, or is reasonably expected to cause, a discharge of untreated sewage, then the Company may, at its option, discontinue sewer service as per Rule 7 – Discontinuance of Service, including exercising the provision of Rule 7 G. where thirty (30) day notice may be waived. Or, if practical, the Company may undertake repairs to the Customer’s pump unit and bill the Customer for reasonably incurred expenses for such repairs.
- J. The Company shall not be liable for parts or labor necessary due to damage caused by misuse of the pump unit. The Customer and/or the owner of the premises wherein pump units are in operation shall be responsible for the care and safekeeping of the pump unit, including electrical service to the pump unit, to prevent freezing and overflow as well as damage due to flooding caused by the pump unit.

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Rule 6 – Improper Waste or Excessive Use

- A. In the event that the Customer to be served proposes to discharge, or actually consistently discharges, an abnormally high volume or strength of waste, the Company may require:
1. The Customer to install a pretreatment facility, grease trap or other device on the premises, to prevent the exceeding of discharge limits, or other adverse impacts upon the Company's system. The installation of any such device as well as its operation and maintenance shall be the responsibility of the Customer, and subject to approval and inspection by the Company.
 2. The Customer to enter into a special contract with the Company for treatment of the Customer's discharge, that could require an enlargement of the Company's existing sewage treatment plant or the construction of a temporary sewage treatment plant, and/or the construction or reconstruction of sewer lines or pump facilities, in a form approved by the Missouri Public Service Commission with a rate applicable to the Customer to be included within this Schedule of Rates, Rules, and Regulations, that is fair and reasonable to both parties and so as not to constitute a burden upon the Company or the existing Customers of the Company.
- B. No Customer shall discharge or cause to be discharged any storm water, surface water, ground water, swimming pool water, roof runoff, sub-surface drainage, or cooling water into the collecting sewers.
- C. The Customer shall not tamper with, by-pass, remove, or willfully damage a water meter that is used for calculation of sewer bills, or allow any such action.
- D. The Customer shall not attempt to discharge sewage either by an unauthorized service connection or direct unauthorized connection to a service sewer.
- E. Customers will not be permitted to allow discharge in any way from premises other

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than the service address, nor to permit the use of their drains or connections to the service sewer for waste discharge by others, without permission from the Company.

F. Except as may be provided in paragraph A.2., above, the Customer shall be required to take any action necessary to meet the following described wastewater limits before the wastewater is discharged into the collection sewer:

1. Maximum temperature of 150 degrees Fahrenheit.
2. Maximum strength of four-hundred (400) parts per million Biological Oxygen Demand (B.O.D.).
3. A maximum of one-hundred (100) parts per million, by weight, any fat, oil or grease.
4. A maximum of twenty-five (25) parts per million, by weight, any soluble oils.
5. No gasoline, benzene, naphtha, fuel oil, or other flammable or explosive liquid, solid or gas.
6. No garbage that has not been properly shredded.
7. No ashes, cinders, sand, mud, straw, shavings, metal, glass, rags, feathers, tar, plastics, wood or any other solid or viscous substance capable of causing obstruction to the flow in sewers or other interference with the proper operation of the sewer system.

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8. No wastewater having a pH less than 5.0 or greater than 9.0, or having any other corrosive property, capable of causing damage or hazard to structures, equipment or personnel of the Company.
9. No wastewater containing heavy metals, toxic material, or Chemical Oxygen Demand (C.O.D.), in sufficient quantity to disrupt the operation of treatment facilities, or exceeding any limits which may be specified in a service contract for any such substance.

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Rule 7 – Discontinuance of Service

A. The Company may discontinue service for any of the following reasons:

1. Non-payment of a delinquent account not in dispute; or
2. Failure to post a security deposit or guarantee acceptable to the utility; or
3. Unauthorized interference, diversion or use of the utility service situated or delivered on or about the Customer's premises; or
4. Misrepresentation of identity in obtaining utility service; or
5. Enclosing or obstructing any meter so as to make reading or repairs unreasonably difficult, or
6. Failure to comply with the terms and conditions of a settlement agreement.
7. Refusal after reasonable notice to grant access at reasonable times to equipment installed upon the premises of the Customer for the purpose of inspection, meter reading, maintenance or replacement; or
8. Violation of any of these Rules and Regulations on file with and approved by the Missouri Public Service Commission, for unauthorized resale of sewer service, or for any condition which adversely affects the safety of the Customer or other persons, or the integrity of the utility's sewer system; or
9. Non-payment of a sewer bill issued by the Company or by a sewer utility requesting discontinuance of water service by an agreement between the Company and such sewer utility. When water service is discontinued for non-payment of a sewer bill and if the sewer bill is not issued by the Company, any service charges for turn on/off or disconnection/reconnection within these Rules and Regulations shall not apply, and notice

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to the Customer shall be provided by rules and procedure applicable to the Customer's sewer service in lieu of notification required by these Rules and Regulations.

- B. Discontinuance of service may be accomplished by, but not limited to, physical disconnection or turn-off of the Customer's service sewer from the Company's collecting sewer. Discontinuance of sewer service for non-payment of a sewer bill may be accomplished by physical disconnection or turn-off, or discontinuance by turn-off of water service by the Customer's water utility at the request of the Company. In such cases where discontinuance is accomplished by turn-off of water service:
1. If sewer billing is combined with water billing, Customers will be notified by the water utility by the terms of its rules normally practiced for discontinuance of water service; or
 2. If sewer billing is not combined with water billing, Customers will be notified by the terms of paragraphs F. and H., below, and not by those of any water utility.
- C. Reconnection of any Customer after discontinuance of service by authority of this rule will be made subject to payment of the cost of reconnection.
- D. Where the owner of rental property is the Customer and has been notified of the intent of disconnection, the tenants shall be given the opportunity in a reasonable and timely manner to pay delinquent bills in lieu of disconnection of service.
- E. None of the following shall constitute sufficient cause for the Company to discontinue service:
1. The failure of the Customer to pay for merchandise, appliances, or service

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not subject to Commission jurisdiction as an integral part of the utility service provided by the Company; or

2. The failure of the Customer to pay for service received at a separate point of service, residence, or location. In the event of discontinuance or termination of service at a separate residential point of service, residence, or location in accordance with these rules, the Company may transfer and bill any unpaid balance to any other residential service account of the Customer and may discontinue service after twenty-one (21) days after rendition of the combined bill, for nonpayment, in accordance with this rule; or
3. The failure of the customer to pay for a different class of service received at the same or different location. The placing of more than one (1) service connection at the same location for the purpose of billing the usage of specific devices under operational rate schedules or provisions is not construed as a different class of service for the purpose of this rule; or
4. The failure to pay the bill of another customer, unless the customer whose service is sought to be discontinued received substantial benefit and use of the service billed to the other customer; or
5. The failure of a previous owner or occupant of the premises to pay an unpaid or delinquent bill except where the previous occupant remains an occupant of the living unit; or
6. The failure to pay a bill correcting a previous underbilling, whenever the customer claims an inability to pay the corrected amount, unless a utility has offered the customer a payment arrangement equal to the period of underbilling.

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F. Unless discontinuance is accomplished by turn-off of water service and discontinuance notice is provided by the water utility, then at least thirty (30) days prior to discontinuance of service, the Company will mail a written notice to the Customer by certified mail, return receipt requested, with a copy of the notice sent to the Public Service Commission and a copy to the property owner if different than the Customer and if known by the Company. If the Company intends to discontinue service to a multi-tenant dwelling with occupants who are not customers, a notice shall also be conspicuously posted in the building ten (10) days prior to the proposed discontinuance, along with information pertaining to how one or more of the tenants may apply to become customers. Discontinuance shall occur within thirty (30) calendar days after the date given as the discontinuance date, shall occur between the hours of 8:00 a.m. and 4:00 p.m., and shall not occur on a day when the Company will not be available to reconnect service or on a day immediately preceding such a day. The thirty (30) day notice may be waived if there is any waste discharge that might be detrimental to the health and safety of the public, or cause damage to the sewer system. In the event of discontinuance of service without the thirty (30) day notice as above provided, the Customer and the Missouri Public Service Commission shall be notified immediately with a statement of the reasons for such discontinuance of service.

G. A discontinuance notice provided to a customer shall include:

1. The name and address of the Customer, the service address if different than the Customer's address; and
2. A statement of the reason for the proposed discontinuance of service and the cost for reconnection; and
3. How the customer may avoid the discontinuance; and
4. The possibility of a payment agreement if the claim is for a charge not in dispute and the Customer is unable to pay the charge in full at one time; and

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5. A telephone number the Customer may call from the service location without incurring toll charges and the address and any available electronic contact information of the utility prominently displayed where the customer may make an inquiry.
- H. The Company shall make reasonable efforts to contact the Customer, at least twenty-four (24) hours prior to any discontinuance, regarding the reason(s) for discontinuance of service, and the resolution. If discontinuance of service would affect an occupant who is not the Company's Customer, or is not responsible for payment of the bill, then the Company shall make reasonable efforts to inform such occupant(s).
- I. The Company shall postpone the discontinuance if personnel will not be available to restore service the same day, or if personnel will not be available to restore service the following day. The Company also shall postpone discontinuance if a medical emergency exists on the premises, however the postponement may be limited to twenty-one (21) days, and the Company may require proof of a medical emergency.
- J. The Company shall have the right to enter the Customer's premises for purposes of discontinuance of service in compliance with these Rules and Regulations. Discontinuance of service will be made during reasonable hours. Company personnel shall identify themselves and announce the intention to discontinue service, or leave a conspicuous notice of the discontinuance. The Company shall have the right to communicate with the owner of the Customer's Unit for purposes of gaining access to the property for discontinuance of service in accordance with the Missouri Public Service Commission's billing practices, but any extra costs for arranging such access shall not be charged to the Customer's account.
- K. The provisions of paragraphs I. and K., above, may be waived if safety of Company personnel while at the premises is a consideration.

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- L. Discontinuance of service to a unit for any reason shall not prevent the Company from pursuing any lawful remedy by action at law or otherwise for the collection of monies due from the Customer.
- M. In case the Company discontinues its service for any violation of these Rules and Regulations, then any monies due the Company shall become immediately due and payable.
- N. The Company has the right to refuse or to discontinue service to any unit to protect itself against fraud or abuse.
- O. The Company shall deal with Customers and handle Customer accounts in accordance with the Missouri Public Service Commission's Utility Billing Practices.
- P. Applicable Turn-off and turn-on charges are specified in the Schedule of Service Charges.

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Rule 8 – TERMINATION OF SERVICE

- A. Termination of service at the Customer's request may be accomplished at the expense of the Customer. If termination of service must be accomplished by physical disconnection, the Customer shall notify the Company of the date and time of the disconnection in writing at least five (5) days prior to the disconnection. If termination is accomplished by turn-off of water service, such notice shall be on or before the date of the water turn-off. Service may not be terminated for one unit of a multi-unit building if the building is served by one service sewer, unless accomplished by turnoff of water service to that unit. The method used for termination of service shall be determined by the Company.
- B. A Customer may request temporary turn-off of water service or sewer service by the Company for the Customer's own convenience; however, the Customer shall still be charged for service at the appropriate rate as specified in the Schedule of Rates during the time the service is turned off.
- C. A Customer who requests termination of sewer service, but returns to the premises and requests sewer service within nine (9) months of such termination, at the Company's discretion may be deemed to have been a seasonal customer, and applicable charges incurred during the period of absence may apply.

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Rule 9 – Interruptions in Service

- A. The Company reserves the right to limit sewer service in its collecting sewers at any time, in a reasonable and non-discriminatory manner, for the purpose of making repairs to the sewer system.
- B. Whenever service is limited for repairs, all Customers affected by such limitation will be notified in advance whenever it is practicable to do so. Every effort will be made to minimize limitation of service.
- C. No refunds of charges for sewer service will be made for limitations of service unless due to willful misconduct of the Company.
- D. In order to avoid service problems when extraordinary conditions exist, the Company reserves the right, at all times, to determine the limit of and regulate sewage discharge in a reasonable and non-discriminatory manner.

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Rule 10 – Bills for Service

- A. The charges for sewer service shall be at the rates specified in the Schedule of Rates in these Rules and Regulations. Service charges for connection or disconnection are set forth in the Schedule of Service Charges.
- B. A Customer who has made application for, or who is or has been taking sewer service at one or more units connected to the collecting sewer, shall be held liable for payment of any applicable charges for service furnished to such units from the date of connection until the date requested by the Customer in writing for service to be terminated, or until service is discontinued by the Company.
- C. Bills for sewer service will be mailed or delivered to the Customer's last address as shown by the records of the Company, but failure to receive the bill will not relieve the Customer from the obligation to pay the same.
- D. Payments shall be made at the office of the Company or at a convenient location designated by the Company, by ordinary mail, or by electronic methods employed by the Company. Payment must be received by the close of business on the date due, unless the date due falls on a non-business day in which case payment must be received by the next business day.
- E. Neither the Company nor the Customer will be bound by bills rendered under mistake of fact as to the quantity of service rendered or as a result of clerical error. Customers will be held responsible for charges based on service provided.
- F. Separate bills shall be rendered for each location at which sewer service is provided, even though one entity may be the Customer at such separate locations.

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- G. The Company shall have the right to render bills monthly in advance, or on a monthly basis in arrears when the sewer charges are based on water usage. Bills shall have the due date indicated on the bill. Bills will be rendered net, bearing the last date on which payment will then be considered delinquent. The period after which the payment is considered delinquent is a minimum of 21 days after rendition of the bill. Bills unpaid after the stated due date will be delinquent and the Company shall have the right to discontinue service in accordance with Rule 8. Delinquent bills may be subject to a late charge as provided in the Schedule of Service Charges. The Company shall not be required to restore or connect any new service for such delinquent Customers until the unpaid account due the Company under these Rules and Regulations has been paid in full or arrangements satisfactory to the Company have been made to pay said account.
- H. When bills are rendered for a period of less than a complete billing period due to the connection or termination of service, the billing shall be for the proportionate part of the monthly charge, or where water usage is the basis for the charge, at the appropriate rate for water used.
- I. Customers terminating after taking service for less than one month shall pay not less than the monthly minimum. The owner of the property served will be held responsible for ultimate payment of a bill. If the customer is a tenant of rental property, copies of all notices of violations of the rules, or of disconnection of service shall also be sent to the owner of the property if the owner is known to the Company.
- J. Unless sewer charges are billed in advance, the Company may require a security deposit or other guarantee as a condition of new service if the Customer:
1. Has a past-due bill which accrued within the last five (5) years and, at the time of the request for service, remains unpaid and not in dispute with a utility for the provision of the same type of service; or,
 2. Has, in an unauthorized manner, within the last five (5) years prior to applying for service, interfered with or diverted the service of a utility in the provision of the same type of service; or,

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<p>3. Is unable to establish a credit rating with the Company. Adequate credit rating for a residential Customer shall be established if the Customer:</p> <ul style="list-style-type: none">a. Owns or is purchasing a home; or,b. Is and has been regularly employed full time for at least one (1) year; or,c. Has an adequate and regular source of income; ord. Can provide credit references from a commercial credit source.	
<p>K. Unless sewer charges are billed in advance, the Company may require a security deposit or other acceptable written guarantee of payment as a condition of continued or re-establishing service if service if:</p> <ul style="list-style-type: none">1. The water service of the Customer has been discontinued for non-payment of a delinquent account not in dispute; or,2. The Customer has interfered with, diverted or, in an unauthorized manner, used utility service delivered to the customer's premises; or,3. The Customer has failed to pay undisputed bills before the delinquency date for five (5) billing periods out of twelve (12) consecutive monthly billing periods. Prior to requiring a customer to post a deposit under this subsection, the utility shall send the customer a written notice explaining the utility's right to require a deposit or include such explanation with each written discontinuance notice.	
<p>L. The amount of a security deposit shall not exceed utility charges applicable to one (1) billing period plus thirty (30) days, computed on estimated or actual annual usage.</p>	
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- M. Interest shall be payable annually on all deposits, but shall not accrue after the utility has made reasonable effort to return the deposit. Interest will be paid at a per annum rate equal to the prime bank lending rate, as published in the *Wall Street Journal* for the last business day of the preceding calendar year, plus one (1) percentage point. Interest may be credited to the Customer's account.
- N. After a Customer has paid proper and undisputed utility bills by the due dates, for a period not to exceed one (1) year, credit shall be established or re-established, and the deposit and any interest due shall be refunded. The utility may withhold full refund of the deposit pending resolution of a disputed matter.
- O. The utility shall give a receipt for deposits received, but shall also keep accurate records of deposits, including Customer name, service address, amounts, interest, attempts to refund and dates of every activity regarding the deposit.
- P. All billing matters shall be handled in accordance with the Missouri Public Service Commission's Rules and Regulations regarding Utility Billing Practices, 20 CSR 4240-13.

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Sewer Service

Rule 11 – Extension Of Collecting Sewers

- A. Collecting sewers will be extended within the Company's certificated service area, at the applicant's cost, if service is requested by the applicant at a location where facilities do not exist (the "applicant" is sometimes referred to in this rule as the "original applicant"). The applicant shall enter into a contract with the Company. The applicant may choose to have the Company perform all work under the terms and conditions of Paragraph C, following, or have a private contractor perform the work under the terms and conditions of Paragraph D, following. For purposes of this rule, an extension could include, in addition to a collecting sewer, one or more pump station or treatment plant facilities, as necessary to provide the service.
- B. The pipe used in making extensions shall be of a type and size which will be reasonably adequate for the area to be served. Such determination as to size and type of pipe shall be left solely to the judgment of the Company. If the Company desires a pipe size, lift station, treatment plant, or any other facility larger than reasonably required to provide service to the applicant, the additional cost due to larger size shall be borne by the Company.
- C. The Company will extend collecting sewers for the applicant under the following terms and conditions:
1. Upon receipt of written application for service as provided in Rule 4, Applications for Service, the Company will provide the applicant an itemized estimate of the cost of the proposed extension. Said estimate shall include the cost of all labor and materials required, including reconstruction of existing facilities if necessary, and the direct costs associated with supervision, engineering, permits, and bookkeeping.
 2. The applicant shall enter into a contract with the Company for the installation of said extension and shall tender to the Company a contribution-in-aid-of-construction equal to the amount determined in Paragraph C (1) above, plus any appropriate fees as provided in the Schedule of Rates or the Schedule of Service Charges.

* Indicates new rate or text

+ Indicates change

DATE OF ISSUE November 19, 2024
Month Day Year

DATE EFFECTIVE January 3, 2025
Month Day Year

ISSUED BY Joseph Tobben President
name of officer title

5686 Gildehaus Rd. Villa Ridge, MO 63089
address

Name of Utility: TBJ Sewer Systems, Inc.

Service Area: Franklin County, MO

Rules Governing Rendering of
Sewer Service

3. If, as a result of reasonably unforeseen circumstances, the actual cost of the extension exceeds the estimated cost of the extension, the applicant shall pay the additional cost.
- D. When the applicant elects to construct an extension, the Company will connect said extension to its existing collecting sewers under the following terms and conditions:
1. Applicant shall enter into a contract with the Company which provides that the applicant construct said collecting sewers and/or other facilities to meet the requirements of all governmental agencies and the Company's rules. Plans for the extension shall be submitted to the Company for approval prior to construction. Applicant's choice of construction contractor is subject to approval by the Company. Applicant shall contribute said facilities to the Company with a detailed accounting of the actual cost of construction, and contribute to the Company the estimated reasonable cost of the Company's inspection.
 2. The Company, or its representative, shall have the right to inspect and test the extension prior to connecting it to the existing collecting sewers and acceptance of ownership.
 3. Connection of the extension to existing Company collecting sewers shall be made by, or under direct supervision of, the Company or its representative.
 4. The Company shall have the right to refuse ownership and responsibility for the sewer extension until applicant has met the contractual obligations as provided in Paragraph D (1).
- E. The cost to additional applicants connecting to the sewer contributed by the original applicant shall be as follows:

- * Indicates new rate or text
- + Indicates change

DATE OF ISSUE November 19, 2024
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Rules Governing Rendering of
Sewer Service

1. For a single-family residential applicant applying for service in a platted subdivision, the Company shall divide the actual cost of the extension, including income tax impact if any, by the number of lots abutting said extension to determine the per lot extension cost. When counting lots, corner lots which abut existing sewers shall be excluded.
2. For a single-family residential applicant requesting service to areas that are not platted in subdivision lots, the applicant's cost shall be equal to the total cost of the extension times 100 feet divided by the total length of the extension in feet.
3. For an industrial, commercial, or multi-family residential applicant, the cost will be equal to the amount calculated for a single-family residence in E (1) above or E (2) above, as appropriate, multiplied by a water usage factor. The water usage factor shall be determined by dividing the average monthly usage in gallons by 7,000 gallons, but shall not be less than 1.

F. Refunds of contributions shall be made to the original applicant as follows:

1. Should the actual cost of an extension constructed by the Company under Paragraph C, or actual costs for inspection by the Company under Paragraph D, above, be less than the estimated cost, the Company shall refund the difference as soon as the actual cost has been ascertained.
2. During the first ten years after the extension is completed, the Company will refund to the original applicant who paid for the extension monies collected from additional applicants in accordance with Paragraph E above.
3. The sum of all refunds to the applicant shall not exceed the total contribution, including income tax and inspection costs associated with the extension, which the applicant has paid.
4. If two or more entities are considered an original applicant, the refund shall be distributed to each entity based upon the percentage of the actual extension cost contributed by each entity.

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ISSUED BY Joseph Tobben President
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Service Area: Franklin County, MO

Rules Governing Rendering of
Sewer Service

- G. Any extension made under this rule shall be and remain the property of the Company in consideration of its perpetual upkeep and maintenance.
- H. The Company reserves the right to connect additional extensions to a collecting sewer contributed by the applicant. The connection of new customers to such additional extensions shall not entitle the applicant to any refund.

* Indicates new rate or text
+ Indicates change

DATE OF ISSUE November 19, 2024
Month Day Year

DATE EFFECTIVE January 3, 2025
Month Day Year

ISSUED BY Joseph Tobben President
name of officer title

5686 Gildehaus Rd. Villa Ridge, MO 63089
address

Disposition Agreement Attachment I
CXD Report

CUSTOMER EXPERIENCE DEPARTMENT REPORT

The role of the Customer Experience Department (CXD) is to investigate and make recommendations to the Commission on issues related to the customer experience, including promoting and encouraging efficient and effective utility management and customer service. These objectives contribute to the Commission's overall mission to ensure that Missourians receive safe and reliable utility service at just and reasonable rates.

The objectives of this review are to document and analyze the management control processes, procedures, and practices used by TBJ Sewer Systems, Inc. ("Company" or "TBJ") to ensure that its customers' service needs are met and to make recommendations, where appropriate, by which TBJ may improve the quality of services provided to its customers. The findings of this review will also provide the Commission with information regarding TBJ's customer service and business operations.

The scope of this review will focus on the processes, procedures and practices related to:

1. Application for Service
2. Customer Billing
3. Payment Remittance
4. Credit and Collections
5. Customer Complaint Log and Inquiries
6. Customer Rights and Responsibility Brochure
7. Disconnect Notice

The CXD Staff reviewed the Company's tariffs, Commission complaint and inquiry records, and other documentation related to the Company's customer service and business operation. In preparation of this report, the CXD Staff submitted initial data requests to TBJ on May 10, 2024 and had a phone conversation on June 26, 2024 and July 10, 2024 to clarify DR responses. A local public hearing was held on June 3, 2024, and was attended by CXD Staff.

Overview

TBJ is a sewer company that provides sewer services in Franklin County, Missouri. The Company currently provides service to approximately 81 residential sewer customers and 1 commercial sewer customer within its certificated service area under provisions of its Commission-approved tariffs. The Company's owners Joe and Marilyn Tobben created TBJ in 1996, and began operations in 1998 with one treatment plant. The system grew over the next several years and the Company

added the Bourbeuse River and Oak Hollow treatment plants. The Company's office is located at 5686 Gildehaus Road, Villa Ridge, MO 63089.

Business hours are 9:00am – 5:00pm Monday through Friday. Customers may call 636-583-2889 during regular business hours with any billing questions. After hours customers can contact Joe the President for emergencies at 314-609-5508.

Application for Service

When initiating sewer service, either an application or a contract is required. An application is required if a customer's home has an existing hook-up to TBJ. If a customer has an existing home or new construction that wants to hook up to TBJ's system, they will need to fill out a contract for service. Additionally, every new customer receives a welcome letter that summarizes the Company's billing processes as well as the customer's rights and responsibilities.

Customer Billing

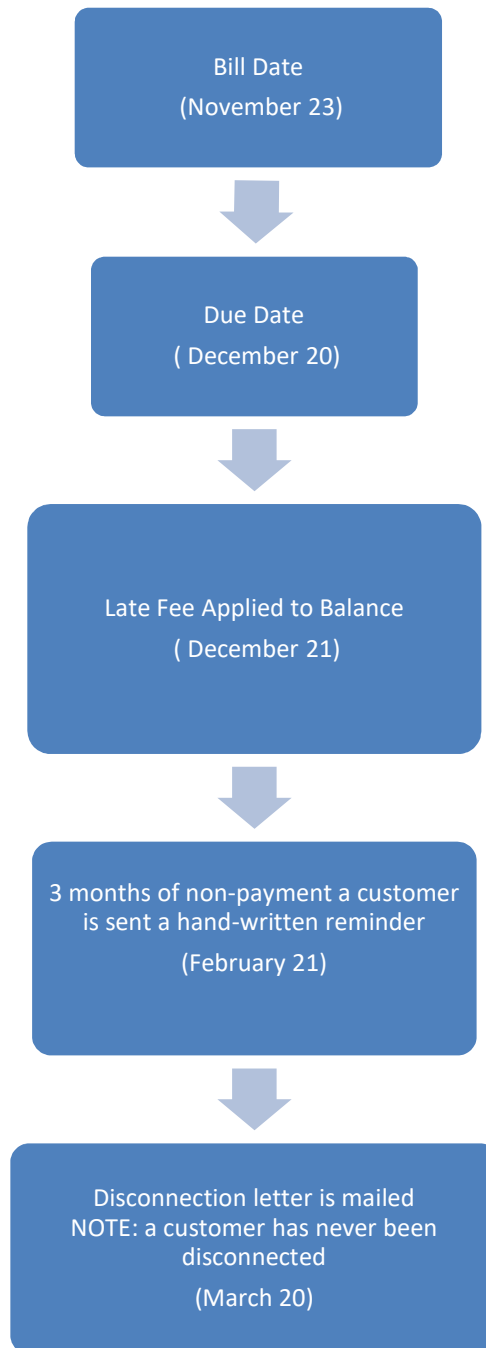
TBJ generates all customer billing statements using QuickBooks. The Company details its billing practice in Staff DR 0044 which consists of a fixed monthly rate for each plant. After the 23rd day of the month, the bills are printed and mailed out the next day. The bill is due and payable on the 20th of the following month. Sewer bills are issued monthly paying in advance for the upcoming months service.

Payment Remittance

Customers can make a payment by check or cash. Payments can also be made in person (delivered directly to the black mailbox mounted on the post by the front door) or by mailing payments to the Company. There is not a fee associated with any of the previously noted payment methods. A returned check is assessed a \$25 fee. All payments are posted in-house on the day received either in person or by mail during normal business hours. TBJ stated that Joe checks the mail daily and date stamps payments that have been received. Payments will then be processed on Wednesday and entered into QuickBooks.

Credit and Collections

The Company does not charge its customers a security deposit to establish sewer services. If payment is not received in the office by the due date, a \$5.00 late fee is added to the next bill. Past due accounts are subject to disconnection once the customer accumulates three open invoices and a payment is not received or the Company has not been contacted by the customer in a 30-day period.



The chart above illustrates the action taken on an account that is unpaid if the bill rendition is the 23rd day of November:

Source: TBJ Sewer Systems, Inc.

The table above illustrates the collections process for a customer through disconnection. Once a customer accumulates three unpaid invoices, a hand-written reminder is sent stating that payment is due upon receipt. If payment is not received or the Company has not been contacted by the customer in a 30-day period a Disconnection Notice is then sent. If disconnected, there is a \$50 reconnect fee assessed at the time of shut-off after a customer's service is shut off for nonpayment.

TBJ does not utilize a collection agency and has not disconnected any customers for unpaid balances. There have been a few occurrences where a customer had a few months of outstanding balance. TBJ will continue to send the customer a bill noting that there is an unpaid balance. TBJ will offer some type of payment agreement if the customer is unable to pay their balance.

Customer Complaint Log and Inquiries

Customers with questions or concerns may call the Company (using the telephone number that is listed on their billing statement) send a letter and/or email at tbj_sewer_systems_inc@yahoo.com. The Company will respond back to the question or concern via how the customer initially filed or a phone call. Customer Service can resolve most billing/account complaints.

Currently, when a customer calls the Company with a question or inquiry, that interaction is not documented. Staff informed the Company the importance of logging each interaction so that information is available if needed.

Currently, there are no informal or formal complaints with the Public Service Commission regarding the Company. In the instance that a complaint is received, Staff informed the Company the importance of maintaining records of the number and the types of complaints it receives per Commission rule 20 CSR 4240-13.040(5)(B).

Customer Rights and Responsibility Brochure

As a result of the Commission Order in case No. SR-2011-0182, the Company brochure detailing the rights and responsibilities required by Commission Rule 20 CSR 4240-13.040 was developed and provided to customers. New customers receive a copy of the brochure at the time of application for service. Brochures are available online and in the offices. CXD Staff has reviewed the brochure and it complies with Commission rules.

Disconnect Notice

There currently is a disconnect notice used by TBJ. The Company states that to date, it has not had any disconnections. An example disconnect notice was given to Staff in response to DR 0049. Staff informed the Company that the disconnect notice is missing the payment agreement verbiage per Commission rule 20 CSR 4240-13.050 (4) (E).

Findings and Conclusions

After review the following is a summary of the preliminary findings, conclusions and recommendations pertaining to TBJ's operations. Areas of concern are addressed below which will need the Company's attention:

1. Customer Complaint Log and Inquiries
2. Disconnect Notice

Disposition Agreement Attachment J
Water, Sewer, Gas & Steam Department Report

REPORT OF WATER, SEWER, GAS & STEAM DEPARTMENT

FIELD OPERATIONS AND TARIFF REVIEW

File No. SR-2024-0306

TBJ Sewer Systems, Inc.

Description of Wastewater Systems

TBJ Sewer Systems, Inc. (TBJ or Company) provides sewer service to 82 customers using three separate wastewater treatment plants in one certificated area in Franklin County outside of Villa Ridge, MO. Staff met with the Company on June 3 and August 28, 2024 to discuss the rate case process and inspect the sewer facilities.

The St. John's plant serves 31 residential customers and 1 commercial customer (St. John's Church) in the northern part of the service area. The Bourbeuse River plant serves 26 residential customers in the southwestern part of the service area. The Oak Hollow plant serves residential 24 customers in the southeastern part of the service area.¹ Three plants were necessary rather than one large plant because of the distance between plants and the amount of rock chipping that would have been required to tie the plants together.

Each sewer plant is an extended aeration treatment facility with the same basic technology and configuration, except for Oak Hollow, which uses a recirculating sand filter after the effluent is released from the plant. The plants are of adequate capacity, based on Staff's review of the DNR issued Operating Permits. The sizing of the tanks and pumping volume (plant capacity) is determined by the number of homes expected to be served in the particular service area.

The Company's gravity collection system for all three systems consists of a total of approximately 15,683 feet of larger diameter polyvinyl chloride (PVC) pipe making up three-fourths of the collection system. Only about 273 feet of the pipe is six-inch. Most of the collecting sewer pipe is eight-inch but some is actually twenty-four-inch in diameter.² Part of the collection system works under pressure and contains about 6,340 feet of two-inch and two and a half-inch diameter pipe³. Some of the homes along the area with pressure sewers have a Septic Tank Effluent Pump (STEP) unit at their residence. The STEP unit is a self-contained pump unit, owned by the customer. The septic tank partially treats the sewage and retains solids. A pump within the tank then pumps the partially treated wastewater to the treatment facilities under pressure. The Company is obligated by the terms of its tariffs to provide routine maintenance and checks of the customers' STEP units located at each customer's premises. Routine maintenance includes site visits for checks of the pumps for proper operation, and the condition and operability of piping and miscellaneous components at each system. The installation of the pump unit, electrical wiring and components, and service sewers between the dwelling and the pump unit and between the pump unit and the Company's collecting sewers are the responsibility of the Customer. The pumps are powered

¹ Customer count for each system are from the Company's response to DR 0034

² Per Company's 2023 Annual Report Data

³ Per Company's 2023 Annual Report Data

by the customer's own electric panel so electric costs are the responsibility of the customer. The Company may assist the customer with repairs as necessary on a contractual basis.

Staff Observations of the Wastewater Systems

Staff and Company personnel observed each sewer system during a field visit. Staff investigated the condition of the wastewater systems including system performance and compliance with wastewater environmental regulations. This included an on-site review of capital improvement projects. The treatment plants are fenced and have locking gates. Signs were posted stating the area is a wastewater treatment facility and the outfall location was clearly marked and easy to access. The Tobbens own a sewage pump truck that is used to pump and haul sludge from the sewer plants as needed. The sludge is ultimately land applied on the Tobben family's farm. Materials and equipment used are appropriate and the systems appeared to be operating well and performing as required. Review of the discharge monitoring reports located on DNR's website indicates the treatment plant is working properly and producing an effluent that meets the standards of the discharge permit. Timothy Tobben is the Company's certified operator and meets DNR certification requirements. The facilities are required to take three quarterly samples per year and meet certain effluent limits for e coli and ammonia according to its permit.

Tariff Review

The Company's current sewer tariff became effective September 4, 2003. Due to the age of the tariff, Staff is proposing that the Company request canceling the existing PSC MO No. 1 tariff and replace it with PSC MO No. 2.

Rate Design

The current rates for sewer service are \$36.59 per month for customers on the St. Johns Plant, \$36.11 for customers on the Oak Hollow Plant, and \$30.05 per month for customers receiving sewer service from the Bourbeuse River Plant. Staff reviewed the current rate design and is currently recommending to maintain the current rate design, which is a single, monthly flat charge; however, Staff recommends that all customers pay the same monthly rate. Staff's decision to allow all rates to be the same is based on the fact that the systems are in close proximity to each other, similar in nature (extended aeration plants), and each system has relatively few customers.

Conclusion and Recommendations

Staff makes the following recommendations for TBJ:

- 1) The Commission cancel the existing PSC MO No. 1 sewer tariff and replace the sewer tariff with PSC MO No. 2.
- 2) The Commission approves Staff's rate design.

Disposition Agreement Attachment K
Summary of Events

TBJ Sewer Systems, Inc.
MO PSC File No. SR-2024-0306
Summary of Case Events

Date Filed:	April 18, 2024
Day 150:	October 25, 2024
Extension?	Yes, thirty days.
Amount Requested:	\$10,000
Amount Proposed by Staff:	\$15,000
Item(s) Driving Rate Decrease:	The current rates have been in effect since the last Rate Case (SR-2011-0182) in 2011. The cost of doing business has gone up. The owners have not been able to pay themselves a salary.
Number of Customers:	82 service connections
Return on Equity:	11.41%
Assessment Current:	Yes
Annual Reports Filed:	Yes
Other Open Cases before Commission:	No
Status with Secretary of State:	Good Standing
DNR Violations:	None
Significant Service/Quality Issues:	None

BEFORE THE PUBLIC SERVICE COMMISSION
OF THE STATE OF MISSOURI

In the Matter of TBJ Sewer Systems, Inc.'s)
Request for Increase in Annual Sewer System) File No. SR-2024-0306
Operating Revenues)

AFFIDAVIT OF AMANDA COFFER

STATE OF MISSOURI)
) ss.
COUNTY OF COLE)

COMES NOW AMANDA COFFER and on her oath declares that she is of sound mind and lawful age; that she contributed to the foregoing *Day 150 Report*; and that the same is true and correct according to her best knowledge and belief.

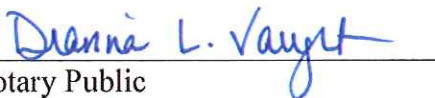
Further the Affiant sayeth not.


AMANDA COFFER

JURAT

Subscribed and sworn before me, a duly constituted and authorized Notary Public, in and for the County of Cole, State of Missouri, at my office in Jefferson City, on this 12th day of November 2024.

DIANNA L. VAUGHT Notary Public - Notary Seal State of Missouri Commissioned for Cole County My Commission Expires: July 18, 2027 Commission Number: 15207377


Notary Public

BEFORE THE PUBLIC SERVICE COMMISSION

OF THE STATE OF MISSOURI

In the Matter of TBJ Sewer Systems, Inc.'s)
Request for Increase in Annual Sewer System) File No. SR-2024-0306
Operating Revenues)

AFFIDAVIT OF SCOTT J. GLASGOW

STATE OF MISSOURI)
) ss.
COUNTY OF COLE)

COMES NOW SCOTT J. GLASGOW and on his oath declares that he is of sound mind and lawful age; that he contributed to the foregoing *Day 150 Report*; and that the same is true and correct according to his best knowledge and belief.

Further the Affiant sayeth not.




SCOTT J. GLASGOW

JURAT

Subscribed and sworn before me, a duly constituted and authorized Notary Public, in and for the County of Cole, State of Missouri, at my office in Jefferson City, on this 12th day of November 2024.

DIANNA L. VAUGHT
Notary Public - Notary Seal
State of Missouri
Commissioned for Cole County
My Commission Expires: July 18, 2027
Commission Number: 15207377



Notary Public

BEFORE THE PUBLIC SERVICE COMMISSION

OF THE STATE OF MISSOURI

In the Matter of TBJ Sewer Systems, Inc.'s)
Request for Increase in Annual Sewer System) File No. SR-2024-0306
Operating Revenues)

AFFIDAVIT OF LOVENA JAHR

STATE OF MISSOURI)
) ss.
COUNTY OF COLE)

COMES NOW LOVENA JAHR and on her oath declares that she is of sound mind and lawful age; that she contributed to the foregoing *Day 150 Report*; and that the same is true and correct according to her best knowledge and belief.

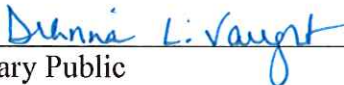
Further the Affiant sayeth not.


LOVENA JAHR

JURAT

Subscribed and sworn before me, a duly constituted and authorized Notary Public, in and for the County of Cole, State of Missouri, at my office in Jefferson City, on this 12th day of November 2024.

DIANNA L. VAUGHT
Notary Public - Notary Seal
State of Missouri
Commissioned for Cole County
My Commission Expires: July 18, 2027
Commission Number: 15207377


Notary Public

BEFORE THE PUBLIC SERVICE COMMISSION

OF THE STATE OF MISSOURI


In the Matter of TBJ Sewer Systems, Inc.'s)
Request for Increase in Annual Sewer System) File No. SR-2024-0306
Operating Revenues)

AFFIDAVIT OF KELLI MALKI

STATE OF MISSOURI)
) ss.
COUNTY OF COLE)

COMES NOW KELLI MALKI and on her oath declares that she is of sound mind and lawful age; that she contributed to the foregoing *Day 150 Report*; and that the same is true and correct according to her best knowledge and belief.

Further the Affiant sayeth not.

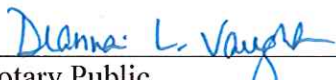


KELLI MALKI

JURAT

Subscribed and sworn before me, a duly constituted and authorized Notary Public, in and for the County of Cole, State of Missouri, at my office in Jefferson City, on this 18th day of November 2024.

DIANNA L. VAUGHT
Notary Public - Notary Seal
State of Missouri
Commissioned for Cole County
My Commission Expires: July 18, 2027
Commission Number: 15207377



Notary Public

BEFORE THE PUBLIC SERVICE COMMISSION

OF THE STATE OF MISSOURI


In the Matter of TBJ Sewer Systems, Inc.'s)
Request for Increase in Annual Sewer System)
Operating Revenues) File No. SR-2024-0306

AFFIDAVIT OF DAVID A. SPRATT

STATE OF MISSOURI)
)
COUNTY OF COLE) ss.

COMES NOW DAVID A. SPRATT and on his oath declares that he is of sound mind and lawful age; that he contributed to the foregoing *Day 150 Report*; and that the same is true and correct according to his best knowledge and belief.

Further the Affiant sayeth not.

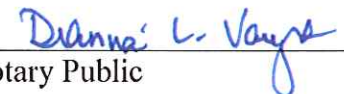


DAVID A. SPRATT

JURAT

Subscribed and sworn before me, a duly constituted and authorized Notary Public, in and for the County of Cole, State of Missouri, at my office in Jefferson City, on this 14th day of November 2024.

DIANNA L. VAUGHT
Notary Public - Notary Seal
State of Missouri
Commissioned for Cole County
My Commission Expires: July 18, 2027
Commission Number: 15207377



Notary Public

BEFORE THE PUBLIC SERVICE COMMISSION

OF THE STATE OF MISSOURI


In the Matter of TBJ Sewer Systems, Inc.'s)
Request for Increase in Annual Sewer System) File No. SR-2024-0306
Operating Revenues)

AFFIDAVIT OF KERI ROTH

STATE OF MISSOURI)
) ss.
COUNTY OF COLE)

COMES NOW KERI ROTH and on her oath declares that she is of sound mind and lawful age; that she contributed to the foregoing *Day 150 Report*; and that the same is true and correct according to her best knowledge and belief.

Further the Affiant sayeth not.



KERI ROTH

JURAT

Subscribed and sworn before me, a duly constituted and authorized Notary Public, in and for the County of Cole, State of Missouri, at my office in Jefferson City, on this 18th day of November 2024.



Notary Public

DIANNA L. VAUGHT
Notary Public - Notary Seal
State of Missouri
Commissioned for Cole County
My Commission Expires: July 18, 2027
Commission Number: 15207377

