

FY 2024 Cost of Service / Rate Design Study

**City of Hickman
Water Utility**

Final Report

September 25, 2024

JKEC

JK Energy Consulting, LLC

John A. Krajewski, P.E.

74408 Road 433

Smithfield, Nebraska 68976

402-440-0227

jk@jkenergyconsulting.com

www.jkenergyconsulting.com

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Executive Summary

This study was prepared by JK Energy Consulting, LLC (JKEC) for the City of Hickman and its water utility (Utility). The purpose of the study was to review the Utility's revenues and expenses and ensure water rates are adequate to pay for projected expenses.

Based on the analysis completed, it appears the existing rates do not collect sufficient revenue to cover projected revenue requirements, including debt service payments, in fiscal year (FY) 2027. While revenues are sufficient to cover projected expenses through FY 2026, by FY 2027 the projected cash basis cost of service is 18.3% greater than projected revenue (see Table 1, Line 27). The shortfall is primarily driven by debt service issued to fund the Utility's capital improvement program. The Utility is planning to construct a \$5.8 million redundant water main in the FY 2027 timeframe.

The proposed rate plan would implement annual rate increases of 6% in FY 2025, FY 2026 and FY 2027. If the Utility does not implement the proposed rate increases, the Utility does not collect sufficient revenue to pay projected operating expenses, capital improvements and debt service expenses in FY 2027. If the Utility does not implement the series of rate increases in FY 2025 and FY 2026, it would likely need to implement a rate increase of approximately 18% in FY 2027.

The cost of service analysis was completed to assess the amount that each rate class should be paying, compared to the revenue that is being collected from existing rates. The cost of service indicated all rate classes were paying less than the allocated cost of service, primarily because a 6% increase in revenue was necessary. The indicated rate changes varied between 5.9% and 7.5%, depending on the rate class and usage profile (see Table 6). This is a relatively narrow bandwidth of required rate changes. Implementing similar rate increase percentages for all rate classes and rate components would be a reasonable approach to implementing the proposed 6% increase in revenue.

The purpose of rate design is to develop rates that reflect the cost of service and accomplish other goals established by the Utility. The proposed rates would increase the average monthly residential water bill from \$57.55 in FY 2024 to \$61.00 in FY 2025, or approximately \$3.45.

The Utility's water rate tends to be on the higher end of its peer group. There are multiple factors that affect water costs, including geography, customer sales growth, and financing costs if large capital projects are necessary. The Utility has experienced rapid growth in water sales in current years and this growth has dictated the construction of significant water system improvements. While these improvements may cause short-term rate increases, they provide for long-term stability of supply and enable the Utility to serve

expected growth. As the growth materializes, additional water sales may enable the Utility to stabilize or reduce water rates.

Conclusions

The following conclusions were reached, based on the information provided and analyses completed:

1. Projected revenues from existing rates are approximately \$762,000 for FY 2024.
2. Projected operating results indicate the need for a rate increase of approximately 18% by FY 2027. This increase is primarily driven by debt service associated with the construction of a new redundant water main at a cost of \$5.8 million.
3. Implementing a series of 6% rate increase in FY 2025 through FY 2027 would provide a phase-in of necessary rates to fund debt service on the redundant water main.
4. Existing rates would need to increase by approximately \$46,000, or 6%, based on the proposed rate plan.
5. The cost of service indicated that all rate classes are paying within a reasonable bandwidth compared to the overall 6% revenue increase proposed.
6. Implementing an across-the-board rate increase of 6% for all rate classes and rate components would be a reasonable method for implementing the proposed revenue increase.
7. Implementing a rate change of 6% results in rates that are toward the higher end of the Utility's peer group. Numerous factors beyond the control of the Utility, including growth and the need for reliable water supply and distribution, have resulted in rates that are higher than the Utility's peer group.

Recommendations

The following recommendations were developed based on the analyses completed and conclusions reached:

1. Water rates should be increased 6% on October 1, 2024 (for FY 2025) and 6% for FY 2026. This equates to an average monthly residential bill increase of \$3.45 in October 2024 and \$3.66 in October 2025. The rate ordinance included in Appendix A would implement these rate increases.
2. The Utility should plan for a rate increase on October 1, 2026 (FY 2027). The amount and timing of this rate increase is dependent on the construction cost, schedule and debt service costs associated with the new redundant water main project.
3. The Utility should evaluate its rates if an unexpected expense or change in usage occurs between now and FY 2027.

Purpose and Approach

The purpose of this study was to review the water rates charged by the Utility. The goal of future water rates was to collect sufficient revenue to cover projected expenses, including debt service for water system improvements.

The approach to the study involved completing several tasks. Retail water sales, operating expenses, non-retail revenues, and other financial information was collected. Test year expenses for FY 2024 and future expenses through FY 2027 were projected. A rate plan was developed to meet the financial goals established by the Utility. The allocated cost of service for each rate class was calculated and compared to revenue from existing rates. The existing rate ordinance was reviewed, and new rates were developed. A written report was prepared and presented to the City Council on September 24, 2024.

Background

City of Hickman – Water Utility

The City operates the water utility, which serves customers located within Hickman and a number of customers in adjacent rural areas. The Utility serves approximately 1,070 customers, approximately 1,000 of which are residential. The City is located near Lincoln and has experienced higher-than-normal growth rates in recent years. Recent building permit activity suggests that water sales growth of 5% or more annually may be expected, largely due to residential and small commercial construction activities.

The planned growth patterns have resulted in the Utility making significant capital improvements to its water system in recent years, with additional plans in the next four years. The City issued nearly \$5 million in bonds to fund water treatment facility improvements and is planning to construct a water main project costing nearly \$6 million in the FY 2027 timeframe. The construction of the water main project is necessary to provide a redundant water main to supply the Utility in case the existing water main experience an unexpected short-term outage due to maintenance, a break or some other damage.

Projected Financial Results

The purpose of preparing projected financial results is to compare projected revenues with expenses and determine the need for future rate increases. Projections were prepared for the period FY 2024 through FY 2027 based on information provided by the Utility.

Parameters

The following parameters were used to develop the test year budget and the projected financial results.

1. Historical and projected results were prepared based on the Utility's fiscal year (October 1 through September 30).
2. The FY 2024 water department budget was used as the basis for the FY 2024 test year budget, with normal escalation and adjustments for other known changes.
3. Capital improvements of \$150,000 per year would be paid from ongoing revenues without issuing additional debt.
4. Operating and maintenance expenses, administrative costs, and other internal expenses were projected to increase at a rate of 3% annually.
5. Water sales were projected to increase by 5% annually based on recent growth history.
6. Projected financial results were presented on an "accrual basis" and "cash basis." Accrual basis accounting is consistent with Generally Accepted Accounting Principles (GAAP) and cash basis results were intended to reflect actual cash flow. Each approach is important for ratemaking purposes, since the Utility's rates should ensure positive cash flow, positive net income.
7. The cost of service was prepared on a cash basis, including capital improvements and debt service payments, while excluding depreciation.
8. Depreciation expense of \$150,000 in FY 2024 through FY 2027 was included in the accrual-based financial results.
9. Existing debt service was included based on the repayment schedule provided by staff.
10. The City would issue bonds in FY 2027 to fund projected water system improvements, including the construction of a redundant primary water main at a cost of \$5.8 million. The new bonds would be issued for 25 years with an interest rate of 5%. No debt forgiveness or grants were included.
11. Minimum debt service coverage ratio of 110% was included as a constraint for rate-setting purposes.

Projected Financial Results

Table 1 (see page 6) shows the projected financial results for FY 2025 through FY 2027, along with test year FY 2024 and historical financial results for FY 2022 and FY 2023. The projected financial results do not include any rate changes or use of available funds for rate stabilization. While there appears to be sufficient revenue in FY 2025 and FY 2026, when new bonds are issued to fund the redundant water main project, there would be a shortfall of approximately \$162,000 in FY 2027. If the City waits until bonds are issued in FY 2027, it will need a rate increase of 18% to provide adequate revenue to cover projected operating costs, debt service payments and capital expenditures that are funded from ongoing revenues.

Table 1
City of Hickman
2024 Water Cost of Service Study
Projected Financial Results
Existing Rates

Line	Description	Actual (1)		Test Year		Projected	
		2022	2023	2024	2025	2026	2027
1	Operating Revenues						
2	Charges for Services	\$ 652,020	\$ 734,470	\$ 761,629	\$ 799,710	\$ 839,696	\$ 881,680
3	Rate Changes	-	-	-	-	-	-
4	Other Operating Revenue	146,345	51,240	64,292	66,221	68,207	70,254
5	Total Operating Revenue	\$ 798,365	\$ 785,710	\$ 825,921	\$ 865,931	\$ 907,903	\$ 951,934
6	Operating Expenses						
7	Personnel Services	91,086	114,359	118,111	121,654	125,304	129,063
8	Other Operating Expense	119,334	212,120	152,624	157,203	161,919	166,776
9	Depreciation	123,442	124,786	124,786	128,530	132,385	136,357
10	Total Operating Expenses	\$ 333,862	\$ 451,265	\$ 395,521	\$ 407,387	\$ 419,608	\$ 432,197
11	Operating Income - GAAP Basis	\$ 464,503	\$ 334,445	\$ 430,400	\$ 458,544	\$ 488,295	\$ 519,737
12	Non-Operating Expense/(Revenue)						
13	Interest Income	\$ (157)	\$ (12,078)	\$ -	\$ -	\$ -	\$ -
14	Existing Interest Expense	11,646	13,115	68,937	68,533	65,719	62,730
15	Future Interest Expense	-	-	-	-	-	307,500
16	Interfund Transfer Out	570,164	154,144	-	-	-	-
17	Bond Costs	-	-	-	-	-	-
18	Total Non-Operating Expense/(Revenue)	\$ 581,653	\$ 155,181	\$ 68,937	\$ 68,533	\$ 65,719	\$ 370,230
19	Net Income - GAAP Basis	\$ (117,150)	\$ 179,264	\$ 361,463	\$ 390,012	\$ 422,576	\$ 149,507
20	Cash Basis						
21	Net Income	\$ (117,150)	\$ 179,264	\$ 361,463	\$ 390,012	\$ 422,576	\$ 149,507
22	Plus Depreciation	123,442	124,786	124,786	128,530	132,385	136,357
23	Less Existing Debt Service Principal	-	(140,000)	(195,000)	(200,000)	(205,000)	(205,000)
24	Less Future Debt Service Principal	-	-	-	-	-	(92,566)
25	Less Capital Expenditures	(37,698)	-	(150,000)	(150,000)	(150,000)	(150,000)
26	Net Income - Cash Basis	\$ (31,406)	\$ 164,050	\$ 141,249	\$ 168,541	\$ 199,961	\$ (161,702)
27	Rate Change for Breakeven Cash Flow	4.8%	-22.3%	-18.5%	-21.1%	-23.8%	18.3%

Notes:
(1) Based on audited financial statements.

Table 2 shows projected debt service coverage based on existing rates. A rate increase of 8.9% would be necessary in FY 2027 to provide sufficient debt service to meet debt service coverage requirements for existing bonds and the projected bond issuance for the water main project. The needed rate change to provide sufficient cash flow is greater than the rate increase required to maintain a 1.10 debt service coverage ratio. The proposed rate plan is based on the cash basis operating results.

Table 2
City of Hickman
2024 Water Cost of Service Study
Projected Financial Results - Debt Service Coverage
Existing Rates

Line	Description	Test Year	Projected		
		2024	2025	2026	2027
1	Retail Revenue - Existing Rates	\$ 761,629	\$ 799,710	\$ 839,696	881,680
2	Debt Service Coverage				
3	Net Revenue (1)	\$ 555,186	\$ 587,074	\$ 620,680	\$ 656,094
4	Debt Service Expense	\$ 263,937	\$ 268,533	\$ 270,719	\$ 667,796
5	Debt Service Coverage (2)	2.10	2.19	2.29	0.98
6	Revenue Increase for 1.1x Coverage	(264,855)	(291,688)	(322,889)	78,482
7	Rate Increase for 1.1x Coverage (%) (3)	-34.8%	-36.5%	-38.5%	8.9%

Note:

1. Operating revenue, less operating and maintenance expenses (excluding depreciation).
2. Net revenue divided by debt service expense.
3. Line 6 divided by Line 1. Represents total cumulative rate change from existing rates required.

Future Rate Changes

Table 3 (see page 8) shows the projected operating results with 6% rate increases in FY 2025, FY 2026 and FY 2027. The series of rate increases in FY 2025 through FY 2027 would result in sufficient revenue to cover projected operating expenses, debt service costs, and planned capital improvements. Implementing a series of rate increases would help customers avoid a sudden increase while providing stable financial results for future periods.

If the City defers rate increases until FY 2027, when the bonds are issued for the redundant water main project, it will likely need a rate increase of more than 18%. If the City is reasonably sure it will construct the water main project in the FY 2027 timeframe, it should consider implementing 6% rate changes in FY 2025 and FY 2026. An additional rate increase of 6% in FY 2027 would likely be needed, but its implementation can be delayed until additional information about project costs, interest rates and bond financing parameters.

Table 3
City of Hickman
2024 Water Cost of Service Study
Projected Financial Results
Proposed Rates - Cash Basis

Line	Description	Test Year	Projected		
		2024	2025	2026	2027
1	Operating Revenues				
2	Retail Sales - Existing Rates	\$ 761,629	\$ 799,710	\$ 839,696	\$ 881,680
3	Rate Changes	-	45,698	103,762	171,033
4	Other Operating Revenue	64,292	66,221	68,207	70,254
5	Total Operating Revenue	\$ 825,921	\$ 911,629	\$ 1,011,665	\$ 1,122,967
6	Operating Expenses				
7	Personnel Services	\$ 118,111	\$ 121,654	\$ 125,304	\$ 129,063
8	Other Operating Expense	152,624	157,203	161,919	166,776
9	Depreciation	124,786	128,530	132,385	136,357
10	Total Operating Expenses	\$ 395,521	\$ 407,387	\$ 419,608	\$ 432,197
11	Operating Income - GAAP Basis	\$ 430,400	\$ 504,242	\$ 592,057	\$ 690,771
12	Non-Operating Expense/(Revenue)				
13	Interest Income	\$ -	\$ -	\$ -	\$ -
14	Existing Interest Expense	68,937	68,533	65,719	62,730
15	Future Interest Expense	-	-	-	307,500
16	Interfund Transfer Out	-	-	-	-
17	Bond Costs	-	-	-	-
18	Total Non-Operating Expense/(Revenue)	\$ 68,937	\$ 68,533	\$ 65,719	\$ 370,230
19	Net Income - GAAP Basis	\$ 361,463	\$ 435,709	\$ 526,338	\$ 320,541
20	Rate Change		6.00%	6.00%	6.00%
21	Cash Basis				
22	Net Income	\$ 361,463	\$ 435,709	\$ 526,338	\$ 320,541
23	Plus Depreciation	124,786	128,530	132,385	136,357
24	Less Debt Service Principal	(195,000)	(200,000)	(205,000)	(205,000)
25	Less Future Debt Service Principal	-	-	-	(92,566)
26	Less Capital Expenditures	(150,000)	(150,000)	(150,000)	(150,000)
27	Net Income - Cash Basis	\$ 141,249	\$ 214,239	\$ 303,724	\$ 9,331
28	Rate Change for Breakeven Cash Flow	-18.5%	-26.8%	-36.2%	-1.1%

Table 4 (see page 9) shows the projected debt service ratio if the proposed rate increases are implemented. The series of proposed rate increases would increase debt service coverage to approximately 1.24 in FY 2027. This calculation does not include the effect of any debt forgiveness or use of grant money. Increasing rates based on the proposed rate plan of 6% annual increases through FY 2027 would provide some margin over required debt service coverage ratio requirements, provide additional financial flexibility to issue new bonds, cover revenue shortfalls, and pay for unexpected operating expenses.

Table 4
City of Hickman
2024 Water Cost of Service Study
Projected Financial Results - Debt Service Coverage
Proposed Rates

Line	Description	Test Year	Projected		
		2024	2025	2026	2027
1	Retail Revenue - Proposed Rates	\$ 761,629	\$ 845,408	\$ 943,458	1,052,714
2	Debt Service Coverage				
3	Net Revenue (1)	\$ 555,186	\$ 632,771	\$ 724,442	\$ 827,128
4	Debt Service Expense	\$ 263,937	\$ 268,533	\$ 270,719	\$ 667,796
5	Debt Service Coverage (2)	2.10	2.36	2.68	1.24
6	Revenue Increase for 1.1x Coverage	(264,855)	(337,386)	(426,652)	(92,552)
7	Rate Increase for 1.1x Coverage (%) (3)	-34.8%	-39.9%	-45.2%	-8.8%

Note:

1. Operating revenue, less operating and maintenance expenses (excluding depreciation).
2. Net revenue divided by debt service expense.
3. Line 6 divided by Line 1. Represents total cumulative rate change from existing rates required.

Cost of Service

The purpose of the cost of service analysis is to identify the costs related to serving each class of customers. Several steps were completed to prepare the cost of service analysis. A test year budget was prepared based on the FY 2024 operating budget, with adjustments for known changes. Each expense item was identified and assigned to a utility function, and further classified as a base, extra capacity (peak day or peak hour), and customer related expense. This process is called “functionalization” and “classification.”

The costs related to each function were allocated to each customer class based on generally accepted cost allocation principles for municipal water utilities. The allocated costs were compared to revenues based on existing rates. The comparison of the cost of service to revenue from existing rates was used as a factor in designing rates.

Test Year Budget

The purpose of preparing a test year budget is to create a scenario that is as close to “normal” operating conditions as possible, reflecting known changes for the Utility. The test year budget for FY 2024 included the following adjustments to the FY 2024 operating budget:

1. Normalized water sales based on typical historical water sales.
2. Exclusion of sales tax revenues and expenses.
3. Debt service based on existing loan repayment schedule.
4. Additional operating margin based on increasing revenues by 6% was included.

The test year budget for FY 2024 was approximately \$807,000 and is summarized in Table 5. The test year budget represents the amount that needs to be collected from retail rates. It includes all operating expenses, debt service payments, capital improvements funded from rates, and is reduced for revenue from interest income and other non-retail revenue.

Table 5
City of Hickman
2024 Water Cost of Service Study
Test Year Budget by Function
Annual

Line	Rate Class	Production / Distribution	Customer / Metering	Other	Total
1	Residential	\$ 374,144	\$ 124,270	\$ 251,329	\$ 749,743
2	Multi-Family	-	-	-	-
3	Commercial	25,576	10,241	20,713	56,530
4	Municipal	137	303	613	1,053
5	Tank Truck	-	-	-	-
6	Fire Hydrants	-	-	-	-
7	Private Fire Protection Service	-	-	-	-
8	Total	\$ 399,857	\$ 134,815	\$ 272,654	\$ 807,326
9	Percentage	50%	17%	34%	100%

Functionalization and Classification

Functionalization and classification involve assigning the expense items to function and classifying those expenses on the basis of a reasonable allocation method. The following functions were used for the Utility:

1. Water Production
2. Water Distribution (including storage)
3. Customer service
4. Metering
5. Other (interest income, other charges)

Production and distribution costs were split between base costs, which vary in proportion to water usage, and extra capacity costs. Extra capacity costs were divided between extra peak day capacity and extra peak hour capacity. These costs vary in proportion to the amount the peak usage exceeds the average usage. Customer and metering costs include those costs associated with serving a particular customer, regardless of the customer’s water usage. This would include expenses like customer billing, meter reading, customer accounting expense, and maintenance costs related to these functions.

Table 5 (see page 10) summarizes the classification of test year expenses, including the allocation to the various retail rate classes. Approximately \$400,000 is production and distribution-related, \$135,000 is customer-related and \$273,000 is related to other expenses. Based on this classification, 50% of the Utility's test year budget is production and distribution-related, 17% is customer-related, and 34% is considered other expenses unrelated to production, distribution or customer expense. A large portion of the other expenses is the margin associated with implementing the 6% rate change.

Cost Allocation

The functionalized costs were allocated to the various rate classes using generally accepted methods for preparing embedded cost of service studies. There is no standard cost of service methodology that the Utility is required to follow by a regulatory agency. There are a number of guidelines that municipal utilities follow, including publications and guidelines from the American Water Works Association.

Comparison of Revenues to Cost of Service

Revenues collected from existing rates were compared to the allocated cost of service. The purpose of this comparison was to provide guidance on the adequacy of the existing rates for each rate class. This comparison can be used to assess the general magnitude of rate changes needed for each rate class and is one factor in determining the need for rate adjustments for individual rate classes.

Table 6 (see page 12) compares the revenue from existing rates to the calculated cost of service. Overall, the cost of service was 6% more than revenues from existing rates. The cost of service was 5.9% more than existing revenues for residential customers; 7.5% more than existing revenues for commercial customers; and 7.4% more than existing revenues for municipal customers. All rate classes are currently paying a rate that is within 2% of the calculated cost of service, which is a reasonable bandwidth for cost of service calculations. Based on the cost of service results, it is reasonable to implement a similar rate change for all rate classes.

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Table 6
City of Hickman
2024 Water Cost of Service Study
Comparison of Cost of Service
to Revenue from Existing Rates
Annual

Line	Rate Class	Revenue		Difference	
		Existing Rates	Cost of Service	\$	%
1	Residential	\$ 708,044	\$ 749,743	\$ 41,699	5.9%
2	Multi-Family	-	-	-	0.0%
3	Commercial	52,604	56,530	3,926	7.5%
4	Municipal	980	1,053	73	7.4%
5	Tank Truck	-	-	-	0.0%
6	Fire Hydrants	-	-	-	0.0%
7	Private Fire Protection Service	-	-	-	0.0%
8	Total	\$ 761,629	\$ 807,326	\$ 45,697	6.0%

Rate Design

The proposed rate plan would increase rates by a cumulative total of 18% through FY 2027. The proposed rate design included in the rate ordinance would implement the first two 6% annual rate changes in October 2024 and October 2025. Based on the cost of service results, an across the board approach to increasing the monthly customer charge and flow-based charge was used. Under this approach, all customers would experience a similar percentage rate increase.

The proposed rate change would increase the average monthly residential water bill by \$3.45 per month in October 2024 and \$3.66 in October 2025 and \$3.87 in October 2026. Table 7 (see page 13) shows the revenue from existing rates and the proposed FY 2025 rates by rate class, effective October 2024. Table 8 (see page 13) shows the proposed revenue increases by rate class for FY 2026, effective October 2025.

A third rate increase of 6% will likely be necessary in FY 2027 if the City proceeds with construction of a redundant water main and issues bonds to fund the project. The proposed ordinance attached to this report does not include the FY 2027 rate change. The City should assess the need for the FY 2027 rate change in the summer of 2026 when it likely will have better information about growth trends, the cost of the new water main, and financing parameters including interest rates and financing term.

Table 7
City of Hickman
2024 Water Cost of Service Study
Proposed Rate Change by Rate Class - October 2024
Annual

Line	Rate Class	Revenue Existing Rates	Revenue FY 2025 Rates	Difference		
				\$	Bill (1)	%
1	Residential	\$ 708,044	\$ 750,527	\$ 42,483	\$ 3.45	6.0%
2	Multi-Family	-	-	-	-	0.0%
3	Commercial	52,604	55,761	3,156	6.23	6.0%
4	Municipal	980	1,039	59	2.45	6.0%
5	Tank Truck	-	-	-	-	0.0%
6	Fire Hydrants	-	-	-	-	0.0%
7	Private Fire Protection Service	-	-	-	-	0.0%
8	Total	\$ 761,629	\$ 807,326	\$ 45,698	\$ 3.66	6.0%

Note:

1. Change in average monthly bill for customers within rate class.

Table 8
City of Hickman
2024 Water Cost of Service Study
Proposed Rate Change by Rate Class - October 2025
Annual

Line	Rate Class	Revenue FY 2025 Rates	Revenue FY 2026 Rates	Difference		
				\$	Bill (1)	%
1	Residential	\$ 750,527	\$ 795,558	\$ 45,032	\$ 3.66	6.0%
2	Multi-Family	-	-	-	-	0.0%
3	Commercial	55,761	59,106	3,346	6.60	6.0%
4	Municipal	1,039	1,101	62	2.60	6.0%
5	Tank Truck	-	-	-	-	0.0%
6	Fire Hydrants	-	-	-	-	0.0%
7	Private Fire Protection Service	-	-	-	-	0.0%
8	Total	\$ 807,326	\$ 855,766	\$ 48,440	\$ 3.77	6.0%

Note:

1. Change in average monthly bill for customers within rate class.

With the proposed rate increases, the Utility's residential water rates in FY 2025 would be toward the higher end of rates for municipal utilities in eastern Nebraska. Table 9 (see page 15) provides a comparison of existing rates for the cities of Beatrice, Lincoln, Nebraska City, Seward, and Wahoo to the proposed FY 2025 rates for Hickman. The comparisons were prepared for usage of 5,000 gallons, 10,000 gallons and 15,000 gallons.

The typical monthly residential water usage for the Utility is approximately 9,000 gallons per month. Based on the comparison prepared for 10,000 gallons of usage, the calculated monthly bill in FY 2025 would be lower than Seward for the analyzed usage levels and somewhat higher than Beatrice, Lincoln, Nebraska City and Wahoo. The rate comparison indicates the projected water rates are toward the higher end of the selected peer group.

There are multiple factors that affect water costs, including geography, customer sales growth, and financing costs if large capital projects are necessary. The Utility has experienced rapid growth in water sales in current years and this growth has dictated the construction of significant water system improvements. While these improvements may cause short-term rate increases, they provide for long-term stability of supply and enable the Utility to serve expected growth. As the growth materializes, additional water sales may enable the Utility to stabilize or reduce water rates.

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Table 9
City of Hickman
2024 Water Cost of Service Study
Typical Bill Comparison
Rate Comparisons - October 2024 Rates
Residential 3/4" Meter

Rate Comparisons			
Utility	5,000 gal	10,000 gal	15,000 gal
Beatrice (1)	27.20	38.45	49.70
Hickman (2)	42.51	55.76	79.61
Lincoln (3)	29.28	46.76	64.25
Nebraska City (4)	24.78	35.21	29.97
Seward (5)	39.19	65.51	95.66
Wahoo (6)	36.88	47.80	58.72

Notes:

1. Effective October 1, 2023
2. Proposed rates, based on 6% rate increase and subject to final rate design.
3. Effective January 2024
4. Rates effective March 2019
5. Rates effective January 2019
6. Rates effective February 1, 2024

Conclusions

The following conclusions were reached, based on the information provided and analyses completed:

1. Projected revenues from existing rates are approximately \$762,000 for FY 2024.
2. Projected operating results indicate the need for a rate increase of approximately 18% by FY 2027. This increase is primarily driven by debt service associated with the construction of a new redundant water main at a cost of \$5.8 million.
3. Implementing a series of 6% rate increases in FY 2025 through FY 2027 would provide a phase-in of necessary rates to fund debt service on the redundant water main.
4. Existing rates would need to increase by approximately \$46,000, or 6%, based on the proposed rate plan.

5. The cost of service indicated that all rate classes are paying within a reasonable bandwidth compared to the overall 6% revenue increase proposed.
6. Implementing an across-the-board rate increase of 6% for all rate classes and rate components would be a reasonable method for implementing the proposed revenue increase.
7. Implementing a rate change of 6% results in rates that are toward the higher end of the Utility's peer group. Numerous factors beyond the control of the Utility, including growth and the need for reliable water supply and distribution, have resulted in rates that are higher than the Utility's peer group.

Recommendations

The following recommendations were developed based on the analyses completed and conclusions reached:

1. Water rates should be increased 6% on October 1, 2024 (for FY 2025) and 6% for FY 2026. This equates to an average monthly residential bill increase of \$3.45 in October 2024 and \$3.66 in October 2025. The rate ordinance included in Appendix A would implement these rate increases.
2. The Utility should plan for a rate increase on October 1, 2026 (FY 2027). The amount and timing of this rate increase is dependent on the construction cost, schedule and debt service costs associated with the new redundant water main project.
3. The Utility should evaluate its rates if an unexpected expense or change in usage occurs between now and FY 2027.

Appendix A – Rate Ordinance

ORDINANCE NO. 2024-_____

AN ORDINANCE TO ESTABLISH CHARGES AND FEES FOR USE OF THE MUNICIPAL WATER SYSTEM PER §7-207 OF THE MUNICIPAL CODE OF HICKMAN, NEBRASKA; TO CHANGE RESIDENTIAL, COMMERCIAL AND INDUSTRIAL CUSTOMER CHARGES FOR WATER SERVICE; TO REPEAL ORDINANCE 2022-17 AND TO PROVIDE AN EFFECTIVE DATE HEREOF; AND ORDERING THE PUBLICATION OF THE ORDINANCE IN PAMPHLET FORM.

BE IT ORDAINED BY THE MEMBERS OF THE GOVERNING BODY OF THE CITY OF HICKMAN, NEBRASKA:

Section 1. Charges and Fees for Water Use by Customers of the Municipal Water System per Section 7-207 of the Municipal Code of the City of Hickman be as follows:

MUNICIPAL WATER DEPARTMENT: USER RATES: All water consumers shall be liable for the following rates provided by this ordinance unless and until the consumer shall, by written order, direct the Municipal Clerk to shut off the water at the stop box in which case the customer shall not be liable thereafter for water rental until the water is turned on again.

A. Residential Rate

1. The Residential rate shall be applicable when the building, premises or place receiving water service is primarily used for dwelling or family living purposes. This includes multiple-meter residences used for this purpose.
2. A monthly Customer Charge shall be charged.
3. All water consumed per month shall be billed the following charges per thousand (1,000) gallons, or any portion thereof.
4. The minimum bill shall be the Customer Charge.

Rates:

EFFECTIVE DATE:	<u>October 1, 2024</u>	<u>October 1, 2025</u>
Customer Charge, per month	\$29.26	\$31.01
Usage Charge	<u>\$/1000 gal.</u>	<u>\$/1000 gal.</u>
First 10,000 gal.	\$2.65	\$2.81
Next 10,000 gal.	\$4.77	\$5.06
Excess	\$6.89	\$7.30

B. Multi-Family Rate

1. The Multi-Family rate shall be applicable in cases where more than one residential dwelling is served by a single meter.

2. A monthly Customer Charge, based on customer meter size, shall be charged.
3. All water consumed per month shall be billed the following charges per thousand (1,000) gallons or any portion thereof.
4. The minimum bill shall be the Customer Charge.

Rates:

EFFECTIVE DATE:	<u>October 1, 2024</u>	<u>October 1, 2025</u>
Customer Charge, per month		
2" or less	\$29.15	\$30.90
3"	\$57.77	\$61.24
4"	\$84.27	\$89.33
6"	\$269.77	\$285.96
 Usage Charge	 <u>\$/1000 gal.</u>	 <u>\$/1000 gal.</u>
First 10,000 gal.	\$2.65	\$2.81
Next 10,000 gal.	\$4.77	\$5.06
Excess	\$6.89	\$7.30

C. Commercial Rates

1. The Commercial rate shall be applicable when the building, premises or place receiving water service is primarily used for other than residential dwelling or family living purposes. This rate includes Municipal Service.
2. A monthly Customer Charge shall be charged.
3. All water consumed per month shall be billed the following charges per thousand (1,000) gallons or any portion there
4. The minimum bill shall be the Customer Charge.

Rates:

EFFECTIVE DATE:	<u>October 1, 2024</u>	<u>October 1, 2025</u>
Customer Charge, per month	\$39.43	\$41.80
 Usage Charge	 <u>\$/1000 gal.</u>	 <u>\$/1000 gal.</u>
First 10,000 gal.	\$2.65	\$2.81
Next 10,000 gal.	\$4.77	\$5.06
Excess	\$6.89	\$7.30

D. Tank Truck Rate

Any water supplied to tank trucks from a fire hydrant shall be billed at the following rates:

EFFECTIVE DATE:	<u>October 1, 2024</u>	<u>October 1, 2025</u>
Usage Charge	<u>\$/1000 gal.</u>	<u>\$/1000 gal.</u>
First 1,000 gal.	\$47.70	\$50.56
Excess	\$5.30	\$5.62

E. When the billing period of a customer's first or final bill is less than thirty (30) days in length, the applicable monthly minimum charge of "A" through "C" above, on the customer's first or final bill, shall be prorated based on the number of days service is provided divided by thirty (30) days.

Section 2. That Ordinance 2022-17 of Hickman, Nebraska, is hereby repealed.

Section 3. This ordinance will become effective and operative with the first billing date occurring on or after October 1, 2024.

Section 4. This ordinance will be in full force and effect from and after its passage, approval and publication or posting in pamphlet form as required by law.

PASSED AND APPROVED this _____ day of _____, 2024.

Doug Wagner, Mayor

ATTEST:

Jaala Johnson, City Clerk

(SEAL)

Appendix B – Cost of Service Worksheets

Appendix Table B-1
City of Hickman
2024 Water Cost of Service Study
Summary of Parameters for Financial Projections

Line	Category	2024	2025	2026	2027	2028
1	Revenue Escalation					
2	Sales Growth	0.00%	5.00%	5.00%	5.00%	5.00%
3	Retail Rate Increases	6.00%	6.00%	6.00%	6.00%	0.00%
4	Non-Retail Revenue Increase	0.00%	0.00%	0.00%	0.00%	0.00%
5	Expense Escalation Rates					
6	Operation and Maintenance	3.00%	3.00%	3.00%	3.00%	3.00%
7	Capital Improvements	3.00%	3.00%	3.00%	3.00%	3.00%
8	Non-Operating Revenue	3.00%	3.00%	3.00%	3.00%	3.00%
9	Interest Income	0.00%	0.00%	0.00%	0.00%	0.00%
10	General and Administrative	3.00%	3.00%	3.00%	3.00%	3.00%
11	Transfers	3.00%	3.00%	3.00%	3.00%	3.00%
12	Debt Service - Series 2021					
13	Principal	\$ 140,000	\$ 140,000	\$ 145,000	\$ 140,000	\$ 140,000
14	Interest	8,603	8,043	7,329	6,440	5,355
15	Total Series 2021	\$ 148,603	\$ 148,043	\$ 152,329	\$ 146,440	\$ 145,355
16	Debt Service - Series 2023					
17	Principal	\$ 55,000	\$ 60,000	\$ 60,000	\$ 65,000	\$ 65,000
18	Interest	60,335	60,490	58,390	56,290	54,015
19	Total Series 2023	\$ 115,335	\$ 120,490	\$ 118,390	\$ 121,290	\$ 119,015
20	Total Debt Service	\$ 263,937	\$ 268,533	\$ 270,719	\$ 267,730	\$ 264,370

Appendix Table B-2
City of Hickman
2024 Water Cost of Service Study
Total Budgeted Cost and Adjustments
Test Year FY 2024

Line	Budget Item	Functionalization Factor	Category for Operating Results	FY 2023 Actual Dollars	Test Year Adjustment	FY 2024 Test Year Budget
1	Expenditures					
2	Salaries & Wages	Distribution Allocation	Personnel Services	98,728	(5,516)	93,212
3	Consulting Services	Distribution Allocation	Consulting Services	1,122		3,500
4	Payroll Taxes	Distribution Allocation	Personnel Services	8,019	(888)	7,131
5	Retirement	Distribution Allocation	Personnel Services	6,640	(1,320)	5,320
6	Employee Benefits	Distribution Allocation	Personnel Services	9,674		12,448
7	Schooling/Professional Development	Distribution Allocation	Schooling	1,743	257	2,000
8	Uniforms & Clothing	Distribution Allocation	Uniforms	1,060	(110)	950
9	Supplies & Small Tools	Distribution Allocation	Supplies and Expenses	105,774	(55,774)	50,000
10	Capital Improvements	Direct - Other	Capital Improvements	-	150,000	150,000
11	Insurance	Distribution Allocation	Insurance	21,569	931	22,500
12	Utilities	Distribution Allocation	Utilities	32,849	386	33,235
13	Repairs & Maintenance	Distribution Allocation	Repairs and Maintenance	16,614	(1,614)	15,000
14	Testing	Treatment Allocation	Testing	3,521	(1,678)	1,843
15	Printing & Publishing	Distribution Allocation	Printing & Publishing	1,048	65	1,113
16	Bad Debt	Distribution Allocation	Bad Debt	2,103	(2,103)	-
17	Computer Expense	Distribution Allocation	Computer Expense	110	11,690	11,800
18	Telephone-Internet	Distribution Allocation	Telephone	2,130	230	2,360
19	Postage	Distribution Allocation	Postage	3,618	237	3,855
20	Office Supplies	Distribution Allocation	Office Supplies	1,250	500	1,750
21	Professional Services	Distribution Allocation	Professional Services	-	2,718	2,718
22	Dues & Subscriptions	Distribution Allocation	Dues	2,522	(2,522)	-
23	Bond Issuance Costs	Direct - Other	Bond Costs	41,089	(41,089)	-
24	Bond Principal	Allocation - Capital Projects	Debt Service - Principal	140,000	55,000	195,000
25	Bond Interest Expense	Allocation - Capital Projects	Debt Service - Interest	10,208	58,730	68,937
26	Miscellaneous	Direct - Other	Miscellaneous Expense	(1,049)	1,049	-
27	Other Revenue					
28	Building Permit Fees	Direct - Other	Revenue Miscellaneous	(44,380)	(13,620)	(58,000)
29	Interest Income	Direct - Other	Interest Income	(12,078)	12,078	-
30	Service Charge/Penalty Revenue	Direct - Other	Revenue Miscellaneous	(6,758)	466	(6,292)
31	Rate Stabilization Adjustment	Direct - Other		-	-	186,946
32	Miscellaneous Income	Direct - Other	Revenue Miscellaneous	(2,082)	2,082	-
33	Total Test Year Expenses			\$ 445,043	\$ 170,185	\$ 807,326

Appendix Table B-3
City of Hickman
2024 Water Cost of Service Study
Classification / Functionalization Factors

Line	Functionalization Factor	Extra		Base Exc	Customer	Meters & Services	Hydrants - Fire Prot	Other	Total
		Capacity - Base	Capacity - Max Day						
1	Allocation - Capital Projects	20%	40%	40%	0%	0%	0%	0%	100.00%
2	Cost of Service	0%	0%	0%	0%	0%	0%	0%	0.00%
3	Direct - Base	100%	0%	0%	0%	0%	0%	0%	100.00%
4	Direct - Customer Costs	0%	0%	0%	0%	100%	0%	0%	100.00%
5	Direct - Other	0%	0%	0%	0%	0%	0%	100%	100.00%
6	Distribution Allocation	20%	15%	15%	0%	50%	0%	0%	100.00%
7	Treatment Allocation	60%	10%	10%	0%	20%	0%	0%	100.00%

**Appendix Table B-4
City of Hickman
2024 Water Cost of Service Study
Allocated Cost of Service**

Line		Base	Extra Capacity - Max Day	Extra Capacity - Max Hour	Extra Capacity - Max Hour	Customer Billing	Meters & Services	Hydrants - Fire Prot	Other	Total
		Base	Extra Capacity Max Day	Extra Capacity Max Hour	Extra Capacity Max Hour	Customer	Customer	Hydrants - Fire Prot	Customer	
	Cost of Service	\$ 107,672	\$ 146,093	\$ 146,093	\$ -	\$ 134,815	\$ -	\$ -	\$ 272,654	\$ 807,326
1	Residential	\$ 101,448	\$ 135,047	\$ 137,649	\$ -	\$ 124,270	\$ -	\$ -	\$ 251,329	749,743
2	Multi-Family	-	-	-	-	-	-	-	-	-
3	Commercial	6,190	10,987	8,399	-	10,241	-	-	20,713	56,530
4	Municipal	33	59	45	-	303	-	-	613	1,053
5	Tank Truck	-	-	-	-	-	-	-	-	-
6	Fire Hydrants	-	-	-	-	-	-	-	-	-
7	Private Fire Protection Service	-	-	-	-	-	-	-	-	-
8	Total Cost of Service	\$ 107,672	\$ 146,093	\$ 146,093	\$ -	\$ 134,815	\$ -	\$ -	\$ 272,654	\$ 807,326

Appendix Table B-5
City of Hickman
2024 Water Cost of Service Study
Total Budgeted Cost Allocation by Category

Line	Budget Item	Total	Production Cost				Customer	Meters & Services	Hydrants / Fire Prot	Other	Total
			Base	Extra Capacity - Max Day	Extra Capacity - Max Hour	Base Exc Wholesale					
1	Expenditures										
2	Salaries & Wages	93,212	18,642	13,982	13,982	-	46,606	-	-	93,212	
3	Consulting Services	3,500	700	525	525	-	1,750	-	-	3,500	
4	Payroll Taxes	7,131	1,426	1,070	1,070	-	3,565	-	-	7,131	
5	Retirement	5,320	1,064	798	798	-	2,660	-	-	5,320	
6	Employee Benefits	12,448	2,490	1,867	1,867	-	6,224	-	-	12,448	
7	Schooling/Professional Development	2,000	400	300	300	-	1,000	-	-	2,000	
8	Uniforms & Clothing	950	190	143	143	-	475	-	-	950	
9	Supplies & Small Tools	50,000	10,000	7,500	7,500	-	25,000	-	-	50,000	
10	Capital Improvements	150,000	-	-	-	-	-	-	-	150,000	
11	Insurance	22,500	4,500	3,375	3,375	-	11,250	-	-	22,500	
12	Utilities	33,235	6,647	4,985	4,985	-	16,618	-	-	33,235	
13	Repairs & Maintenance	15,000	3,000	2,250	2,250	-	7,500	-	-	15,000	
14	Testing	1,843	1,106	184	184	-	369	-	-	1,843	
15	Printing & Publishing	1,113	223	167	167	-	557	-	-	1,113	
16	Bad Debt	-	-	-	-	-	-	-	-	-	
17	Computer Expense	11,800	2,360	1,770	1,770	-	5,900	-	-	11,800	
18	Telephone-Internet	2,360	472	354	354	-	1,180	-	-	2,360	
19	Postage	3,855	771	578	578	-	1,928	-	-	3,855	
20	Office Supplies	1,750	350	263	263	-	875	-	-	1,750	
21	Professional Services	2,718	544	408	408	-	1,359	-	-	2,718	
22	Dues & Subscriptions	-	-	-	-	-	-	-	-	-	
23	Bond Issuance Costs	-	-	-	-	-	-	-	-	-	
24	Bond Principal	195,000	39,000	78,000	78,000	-	-	-	-	195,000	
25	Bond Interest Expense	68,937	13,787	27,575	27,575	-	-	-	-	68,937	
26	Miscellaneous	-	-	-	-	-	-	-	-	-	
27	Other Revenue										
28	Building Permit Fees	(58,000)	-	-	-	-	-	-	-	(58,000)	
29	Interest Income	-	-	-	-	-	-	-	-	-	
30	Service Charge/Penalty Revenue	(6,292)	-	-	-	-	-	-	-	(6,292)	
31	Rate Stabilization Adjustment	186,946	-	-	-	-	-	-	-	186,946	
32	Miscellaneous Income	-	-	-	-	-	-	-	-	-	
33	Total Test Year Expenses	\$ 807,326	\$ 107,672	\$ 146,093	\$ 146,093	\$ -	\$ 134,815	\$ -	\$ -	\$ 272,654	\$ 807,326

Appendix Table B-6
City of Hickman
2024 Water Cost of Service Study
Development of Allocation Factors
Annual Water Sales (cf)

Rate Class	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total Usage (cf)	Allocation Factor (%)	Distribution (cf)	WTP Sales
Residential	11,556	5,386	4,587	4,361	3,874	4,203	6,521	10,351	17,089	12,811	11,054	15,062	106,855	94.22%	106,855	94.22%
Multi-Family	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00%	-	0.00%
Commercial	669	288	299	292	302	410	362	578	867	838	742	873	6,520	5.75%	6,520	5.75%
Municipal	2	2	1	-	1	1	1	4	6	5	6	6	35	0.03%	35	0.03%
Tank Truck	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00%	-	0.00%
Fire Hydrants	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00%	-	0.00%
Private Fire Protection Service	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00%	-	0.00%
Total Water Sales	12,227	5,676	4,887	4,653	4,177	4,614	6,884	10,933	17,962	13,654	11,802	15,941	113,410	100.00%	113,410	

Appendix Table B-7
City of Hickman
2024 Water Cost of Service Study
Development of Allocation Factors
Extra Capacity Factors

Rate Class	Demand Factors		Max Usage		Extra Usage		Allocation Factors	
	Pk. Day	Pk. Hr.	Day	Hour	Day	Hour	Day	Hour
Residential	1.80	3.00	527	37	234	27	92.44%	94.22%
Multi-Family	2.00	3.00	-	-	-	-	0.00%	0.00%
Commercial	2.40	3.00	43	2	25	1	7.52%	5.75%
Municipal	2.40	3.00	0	0	0	0	0.04%	0.03%
Tank Truck	2.50	3.50	-	-	-	-	0.00%	0.00%
Fire Hydrants	4.00	6.00	-	-	-	-	0.00%	0.00%
Private Fire Protection Service	5.00	8.00	-	-	-	-	0.00%	0.00%
Total			570	39	259	28	100.00%	100.00%

Appendix Table B-8
City of Hickman
2024 Water Cost of Service Study
Development of Allocation Factors
Number of Customers

Rate Class	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual Average
Residential	997	1,006	1,013	1,015	1,013	1,021	1,037	1,031	1,043	1,038	1,038	1,052	1,025
Multi-Family	-	-	-	-	-	-	-	-	-	-	-	-	-
Commercial	42	42	43	41	41	42	42	42	43	43	43	43	42
Municipal	2	2	2	2	2	2	2	2	2	2	2	2	2
Tank Truck	-	-	-	-	-	-	-	-	-	-	-	-	-
Fire Hydrants	-	-	-	-	-	-	-	-	-	-	-	-	-
Private Fire Protection Service	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Number of Customers	1,041	1,050	1,058	1,058	1,056	1,065	1,081	1,075	1,088	1,083	1,083	1,097	1,070

Appendix Table B-9
City of Hickman
2024 Water Cost of Service Study
Development of Allocation Factors
Weighted Number of Customers and Customer Allocation Factors

Rate Class	Number of Customers	Meter Charge Weighting Factor	Weighted Meters	Allocated Customers	Allocated Customers Excluding Fire
Residential	1,025.33	1.00	1,025.33	92.18%	92.18%
Multi-Family	-	1.00	-	0.00%	0.00%
Commercial	42.25	2.00	84.50	7.60%	7.60%
Municipal	2.00	1.25	2.50	0.22%	0.22%
Tank Truck	-	5.33	-	0.00%	0.00%
Fire Hydrants	-	16.67	-	0.00%	0.00%
Private Fire Protection Service	-	33.33	-	0.00%	0.00%
Total Number of Weighted Customers	1,069.58		1,112.33	100.00%	1.00

Appendix Table B-10
City of Hickman
2024 Water Cost of Service Study
Revenue - Existing Rates

Rate Class	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual Total
Residential	69,389	43,709	40,332	39,765	38,386	39,329	47,780	64,083	96,899	74,428	66,674	87,270	708,044
Multi-Family	-	-	-	-	-	-	-	-	-	-	-	-	-
Commercial	5,093	2,888	2,967	2,929	3,012	3,601	3,293	4,601	6,333	6,073	5,505	6,308	52,604
Municipal	79	79	77	74	77	77	77	84	89	87	89	89	980
Tank Truck	-	-	-	-	-	-	-	-	-	-	-	-	-
Fire Hydrants	-	-	-	-	-	-	-	-	-	-	-	-	-
Private Fire Protection Service	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Revenue	74,562	46,676	43,376	42,768	41,475	43,007	51,150	68,769	103,322	80,588	72,268	93,668	761,629

Appendix Table B-11
City of Hickman
2024 Water Cost of Service Study
Revenue - Proposed Rates

Rate Class	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual Average
Residential	73,553	46,331	42,752	42,150	40,689	41,689	50,646	67,928	102,713	78,894	70,674	92,506	750,527
Multi-Family	-	-	-	-	-	-	-	-	-	-	-	-	-
Commercial	5,398	3,062	3,145	3,105	3,193	3,817	3,491	4,877	6,713	6,437	5,835	6,687	55,761
Municipal	84	84	82	79	82	82	82	89	95	92	95	95	1,039
Tank Truck	-	-	-	-	-	-	-	-	-	-	-	-	-
Fire Hydrants	-	-	-	-	-	-	-	-	-	-	-	-	-
Private Fire Protection Service	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Revenue	79,035	49,477	45,979	45,334	43,963	45,588	54,219	72,895	109,521	85,423	76,604	99,288	807,326

Appendix Table B-12
City of Hickman
2024 Water Cost of Service Study
Revenue - Proposed Rates - Year Two

Rate Class	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual Average
Residential	77,966	49,111	45,317	44,679	43,130	44,190	53,685	72,004	108,876	83,628	74,915	98,057	795,558
Multi-Family	-	-	-	-	-	-	-	-	-	-	-	-	-
Commercial	5,722	3,245	3,334	3,291	3,385	4,047	3,700	5,170	7,116	6,823	6,185	7,088	59,106
Municipal	89	89	86	84	86	86	86	95	100	98	100	100	1,101
Tank Truck	-	-	-	-	-	-	-	-	-	-	-	-	-
Fire Hydrants	-	-	-	-	-	-	-	-	-	-	-	-	-
Private Fire Protection Service	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Revenue	83,777	52,446	48,738	48,054	46,601	48,323	57,472	77,269	116,092	90,548	81,200	105,245	855,766

Appendix Table B-13
City of Hickman
2024 Water Cost of Service Study
Development of Allocation Factors

Line	Rate Class	Extra Capacity			Customer	Base Excluding Rulo/WTP	Customer excluding Fire	Hydrants - Fire Prot	COS Excl. Other
		Base	Max Day	Hour					
1	Residential	94.22%	92.44%	94.22%	92.18%	94.22%	92.18%	0.00%	93.22%
2	Multi-Family	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
3	Commercial	5.75%	7.52%	5.75%	7.60%	5.75%	7.60%	0.00%	6.70%
4	Municipal	0.03%	0.04%	0.03%	0.22%	0.03%	0.22%	0.00%	0.08%
5	Tank Truck	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
6	Fire Hydrants	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
7	Private Fire Protection Service	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
8	Total	100.00%	100.00%	100.00%	100.00%		100.00%	100.00%	100.00%

Appendix C – Revenue Calculation Worksheets

Appendix Table C-1
City of Hickman
2024 Water Cost of Service Study
Calculation of Revenue from Existing Rates
Residential

Rates	
Minimum Bill	\$ -
Customer Charge	\$ 27.60
Usage Rate	\$/1000 gal
First 10,000 gal	2.50
Next 10,000 gal	4.50
Excess	6.50

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Number of Customers	997	1,006	1,013	1,015	1,013	1,021	1,037	1,031	1,043	1,038	1,038	1,052	1,025
Water Usage (gal)													
First 10000 gal	6,797	4,534	4,294	4,077	3,646	3,988	5,422	6,657	8,237	7,590	7,025	7,748	70,015
Next 10000 gal	3,027	465	133	144	85	109	770	2,513	5,009	3,566	2,863	4,338	23,022
Excess	1,732	387	160	140	143	106	329	1,181	3,843	1,655	1,166	2,976	13,818
Total Water Usage	11,556	5,386	4,587	4,361	3,874	4,203	6,521	10,351	17,089	12,811	11,054	15,062	106,855
Revenue													
Minimum Bill	-	-	-	-	-	-	-	-	-	-	-	-	-
Customer Charges	27,517	27,766	27,959	28,014	27,959	28,180	28,621	28,456	28,787	28,649	28,649	29,035	339,590
Usage Charges													
First 10000 gal	16,993	11,335	10,735	10,193	9,115	9,970	13,555	16,643	20,593	18,975	17,563	19,370	175,038
Next 10000 gal	13,622	2,093	599	648	383	491	3,465	11,309	22,541	16,047	12,884	19,521	
Excess	11,258	2,516	1,040	910	930	689	2,139	7,677	24,980	10,758	7,579	19,344	89,817
Total Usage Charges	41,872	15,943	12,374	11,751	10,427	11,150	19,159	35,628	68,113	45,780	38,025	58,235	264,855
Total Revenues	69,389	43,709	40,332	39,765	38,386	39,329	47,780	64,083	96,899	74,428	66,674	87,270	708,044
Total Revenues (including discounts)	69,389	43,709	40,332	39,765	38,386	39,329	47,780	64,083	96,899	74,428	66,674	87,270	708,044

Appendix Table C-2
City of Hickman
2024 Water Cost of Service Study
Calculation of Revenue from Proposed Rates
Residential

Rates	
Minimum Bill	\$ -
Customer Charge	\$ 29.26
Usage	\$/1000 gal
First 10,000 gal	2.65
Next 10,000 gal	4.77
Excess	6.89

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Number of Customers	997	1,006	1,013	1,015	1,013	1,021	1,037	1,031	1,043	1,038	1,038	1,052	1,025
Usage by Block													
First 10000 gal	6,797	4,534	4,294	4,077	3,646	3,988	5,422	6,657	8,237	7,590	7,025	7,748	70,015
Next 10000 gal	3,027	465	133	144	85	109	770	2,513	5,009	3,566	2,863	4,338	23,022
Excess	1,732	387	160	140	143	106	329	1,181	3,843	1,655	1,166	2,976	13,818
Total Usage gal	11,556	5,386	4,587	4,361	3,874	4,203	6,521	10,351	17,089	12,811	11,054	15,062	106,855
Revenue													
Minimum Bill	-	-	-	-	-	-	-	-	-	-	-	-	-
Customer Charges	29,168	29,432	29,636	29,695	29,636	29,870	30,338	30,163	30,514	30,368	30,368	30,777	359,966
Load Management Credit	-	-	-	-	-	-	-	-	-	-	-	-	-
Usage Charges													
First 10000 gal	18,012	12,015	11,379	10,804	9,662	10,568	14,368	17,641	21,828	20,114	18,616	20,532	185,540
Next 10000 gal	14,439	2,218	634	687	405	520	3,673	11,987	23,893	17,010	13,657	20,692	
Excess	11,933	2,666	1,102	965	985	730	2,267	8,137	26,478	11,403	8,034	20,505	95,206
Total Usage Charges	44,384	16,900	13,116	12,456	11,053	11,818	20,308	37,765	72,199	48,526	40,307	61,729	280,746
Total Revenues	73,553	46,331	42,752	42,150	40,689	41,689	50,646	67,928	102,713	78,894	70,674	92,506	750,527
Total Revenues (including discounts)	73,553	46,331	42,752	42,150	40,689	41,689	50,646	67,928	102,713	78,894	70,674	92,506	750,527
													Rate Increase / (Decrease)
													6.00%

Appendix Table C-3
City of Hickman
2024 Water Cost of Service Study
Calculation of Revenue from Proposed Rates
Residential

Rates	
Minimum Bill	\$ -
Customer Charge	\$ 31.01
Usage	\$/1000 gal
First 10000 gal	2.81
Next 10000 gal	5.06
Excess	7.30

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Number of Customers	997	1,006	1,013	1,015	1,013	1,021	1,037	1,031	1,043	1,038	1,038	1,052	1,025
Usage by Block													
First 10000 gal	6,797	4,534	4,294	4,077	3,646	3,988	5,422	6,657	8,237	7,590	7,025	7,748	70,015
Next 10000 gal	3,027	465	133	144	85	109	770	2,513	5,009	3,566	2,863	4,338	23,022
Excess	1,732	387	160	140	143	106	329	1,181	3,843	1,655	1,166	2,976	13,818
Total Usage gal	11,556	5,386	4,587	4,361	3,874	4,203	6,521	10,351	17,089	12,811	11,054	15,062	106,855
Revenue													
Minimum Bill	-	-	-	-	-	-	-	-	-	-	-	-	-
Customer Charges	30,918	31,197	31,415	31,477	31,415	31,663	32,159	31,973	32,345	32,190	32,190	32,624	381,564
Usage Charges													
First 10000 gal	19,093	12,736	12,062	11,452	10,242	11,202	15,230	18,700	23,138	21,320	19,733	21,764	196,672
Next 10000 gal	15,305	2,351	672	728	430	551	3,893	12,706	25,327	18,030	14,476	21,934	
Excess	12,649	2,826	1,169	1,022	1,044	774	2,403	8,625	28,067	12,087	8,516	21,735	100,918
Total Usage Charges	47,047	17,914	13,903	13,203	11,716	12,528	21,526	40,031	76,531	51,438	42,725	65,433	297,591
Total Revenues	77,966	49,111	45,317	44,679	43,130	44,190	53,685	72,004	108,876	83,628	74,915	98,057	795,558
Total Revenues (including discounts)	77,966	49,111	45,317	44,679	43,130	44,190	53,685	72,004	108,876	83,628	74,915	98,057	795,558
													Rate Increase / (Decrease)
													6.00%

**Appendix Table C-5
City of Hickman
2024 Water Cost of Service Study
Calculation of Revenue from Proposed Rates
Multi-Family**

Rates		
Minimum Bill		\$ -
Customer Charge		
<2"		\$ 29.15
3"		\$ 57.77
4"		\$ 84.27
6"		\$ 269.77
Usage		\$/1000 gal
First	10000 gal	2.65
Next	10000 gal	4.77
Excess		6.89

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Number of Customers	-	-	-	-	-	-	-	-	-	-	-	-	-
Usage by Block													
First 10000 gal	-	-	-	-	-	-	-	-	-	-	-	-	-
Next 10000 gal	-	-	-	-	-	-	-	-	-	-	-	-	-
Excess	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Usage gal	-	-	-	-	-	-	-	-	-	-	-	-	-
Revenue													
Minimum Bill	-	-	-	-	-	-	-	-	-	-	-	-	-
Customer Charges	-	-	-	-	-	-	-	-	-	-	-	-	-
Usage Charges													
First 10000 gal	-	-	-	-	-	-	-	-	-	-	-	-	-
Next 10000 gal	-	-	-	-	-	-	-	-	-	-	-	-	-
Excess	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Usage Charges	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Revenues	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Revenues (including discounts)	-	-	-	-	-	-	-	-	-	-	-	-	-

Rate Increase / (Decrease)

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**Appendix Table C-6
City of Hickman
2024 Water Cost of Service Study
Calculation of Revenue from Proposed Rates
Multi-Family**

Rates		
Minimum Bill		\$ -
Customer Charge		
<2"		\$ 30.90
3"		\$ 61.24
4"		\$ 89.33
6"		\$ 285.96
Usage		\$/1000 gal
First	10000 gal	2.81
Next	10000 gal	5.06
Excess		7.30

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Number of Customers	-	-	-	-	-	-	-	-	-	-	-	-	-
Usage by Block													
First 10000 gal	-	-	-	-	-	-	-	-	-	-	-	-	-
Next 10000 gal	-	-	-	-	-	-	-	-	-	-	-	-	-
Excess	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Usage gal	-	-	-	-	-	-	-	-	-	-	-	-	-
Revenue													
Minimum Bill	-	-	-	-	-	-	-	-	-	-	-	-	-
Customer Charges	-	-	-	-	-	-	-	-	-	-	-	-	-
Usage Charges													
First 10000 gal	-	-	-	-	-	-	-	-	-	-	-	-	-
Next 10000 gal	-	-	-	-	-	-	-	-	-	-	-	-	-
Excess	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Usage Charges	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Revenues	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Revenues (including discounts)	-	-	-	-	-	-	-	-	-	-	-	-	-

Rate Increase / (Decrease)

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Appendix Table C-7
City of Hickman
2024 Water Cost of Service Study
Calculation of Revenue from Existing Rates
Commercial

Rates		
Minimum Bill		
Customer Charge		\$ 37.20
Usage Rate		
	\$/1000 gal	
First	10000 gal	2.50
Next	10000 gal	4.50
Excess		6.50

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Number of Customers	42	42	43	41	41	42	42	42	43	43	43	43	42
Water Usage (gal)													
First 10000 gal	155	112	119	103	99	125	125	142	165	183	174	182	1,684
Next 10000 gal	99	49	50	41	40	63	61	75	121	121	111	119	950
Excess	415	127	130	148	163	222	176	361	581	534	457	572	3,886
Total Water Usage	669	288	299	292	302	410	362	578	867	838	742	873	6,520
Revenue													
Minimum Bill	-	-	-	-	-	-	-	-	-	-	-	-	-
Customer Charges	1,562	1,562	1,600	1,525	1,525	1,562	1,562	1,562	1,600	1,600	1,600	1,600	18,860
Usage Charges													
First 10000 gal	388	280	298	258	248	313	313	355	413	458	435	455	4,210
Next 10000 gal	446	221	225	185	180	284	275	338	545	545	500	536	4,275
Excess	2,698	826	845	962	1,060	1,443	1,144	2,347	3,777	3,471	2,971	3,718	25,259
Total Usage Charges	3,531	1,326	1,368	1,404	1,487	2,039	1,731	3,039	4,734	4,473	3,905	4,709	33,744
Total Revenues	5,093	2,888	2,967	2,929	3,012	3,601	3,293	4,601	6,333	6,073	5,505	6,308	52,604
Total Revenues (including discounts)	5,093	2,888	2,967	2,929	3,012	3,601	3,293	4,601	6,333	6,073	5,505	6,308	52,604

Appendix Table C-8
City of Hickman
2024 Water Cost of Service Study
Calculation of Revenue from Proposed Rates
Commercial

Rates		
Minimum Bill		\$ -
Customer Charge		\$ 39.43
Usage		\$/1000 gal
First	10000 gal	2.65
Next	10000 gal	4.77
Excess		6.89

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Number of Customers	42	42	43	41	41	42	42	42	43	43	43	43	42
Usage by Block													
First 10000 gal	155	112	119	103	99	125	125	142	165	183	174	182	1,684
Next 10000 gal	99	49	50	41	40	63	61	75	121	121	111	119	950
Excess	415	127	130	148	163	222	176	361	581	534	457	572	3,886
Total Usage gal	669	288	299	292	302	410	362	578	867	838	742	873	6,520
Revenue													
Minimum Bill	-	-	-	-	-	-	-	-	-	-	-	-	-
Customer Charges	1,656	1,656	1,696	1,617	1,617	1,656	1,656	1,656	1,696	1,696	1,696	1,696	19,992
Usage Charges													
First 10000 gal	411	297	315	273	262	331	331	376	437	485	461	482	4,463
Next 10000 gal	472	234	239	196	191	301	291	358	577	577	529	568	4,532
Excess	2,859	875	896	1,020	1,123	1,530	1,213	2,487	4,003	3,679	3,149	3,941	26,775
Total Usage Charges	3,742	1,406	1,450	1,488	1,576	2,161	1,835	3,221	5,018	4,741	4,139	4,991	35,769
Total Revenues	5,398	3,062	3,145	3,105	3,193	3,817	3,491	4,877	6,713	6,437	5,835	6,687	55,761
Total Revenues (including discounts)	5,398	3,062	3,145	3,105	3,193	3,817	3,491	4,877	6,713	6,437	5,835	6,687	55,761
													Rate Increase / (Decrease)
													6.00%

Appendix Table C-9
City of Hickman
2024 Water Cost of Service Study
Calculation of Revenue from Proposed Rates
Commercial

Rates	
Minimum Bill	\$ -
Customer Charge	\$ 41.80
Load Management Credit	
Usage	\$/100 gal
First 10000 gal	2.81
Next 10000 gal	5.06
Excess	7.30

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Number of Customers	42	42	43	41	41	42	42	42	43	43	43	43	42
Usage by Block													
First 10000 gal	155	112	119	103	99	125	125	142	165	183	174	182	1,684
Next 10000 gal	99	49	50	41	40	63	61	75	121	121	111	119	950
Excess	415	127	130	148	163	222	176	361	581	534	457	572	3,886
Total Usage gal	669	288	299	292	302	410	362	578	867	838	742	873	6,520
Revenue													
Minimum Bill	-	-	-	-	-	-	-	-	1,797	1,797	1,797	1,797	7,189
Customer Charges	1,756	1,756	1,797	1,714	1,714	1,756	1,756	1,756	1,797	1,797	1,797	1,797	21,192
Usage Charges													
First 10000 gal	435	315	334	289	278	351	351	399	463	514	489	511	4,730
Next 10000 gal	501	248	253	207	202	319	308	379	612	612	561	602	
Excess	3,031	928	949	1,081	1,190	1,621	1,285	2,637	4,243	3,900	3,338	4,178	28,381
Total Usage Charges	3,967	1,490	1,537	1,578	1,671	2,291	1,945	3,415	5,319	5,026	4,388	5,290	33,111
Total Revenues	5,722	3,245	3,334	3,291	3,385	4,047	3,700	5,170	7,116	6,823	6,185	7,088	59,106
Total Revenues (including discounts)	5,722	3,245	3,334	3,291	3,385	4,047	3,700	5,170	7,116	6,823	6,185	7,088	59,106
													Rate Increase / (Decrease)
													6.00%

Appendix Table C-10
City of Hickman
2024 Water Cost of Service Study
Calculation of Revenue from Existing Rates
Municipal

Rates		
Minimum Bill		
Customer Charge		\$ 37.20
Usage Rate		\$/1000 gal
First	10000 gal	2.50
Next	10000 gal	4.50
Excess		6.50

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Number of Customers	2	2	2	2	2	2	2	2	2	2	2	2	2
Water Usage (gal)													
First 10000 gal	2	2	1	-	1	1	1	4	6	5	6	6	35
Next 10000 gal	-	-	-	-	-	-	-	-	-	-	-	-	-
Excess	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Water Usage	2	2	1	-	1	1	1	4	6	5	6	6	35
Revenue													
Minimum Bill	-	-	-	-	-	-	-	-	-	-	-	-	-
Customer Charges	74	74	74	74	74	74	74	74	74	74	74	74	893
Usage Charges													
First 10000 gal	5	5	3	-	3	3	3	10	15	13	15	15	88
Next 10000 gal	-	-	-	-	-	-	-	-	-	-	-	-	-
Excess	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Usage Charges	5	5	3	-	3	3	3	10	15	13	15	15	88
Total Revenues	79	79	77	74	77	77	77	84	89	87	89	89	980
Total Revenues (including discounts)	79	79	77	74	77	77	77	84	89	87	89	89	980

Appendix Table C-11
City of Hickman
2024 Water Cost of Service Study
Calculation of Revenue from Proposed Rates
Municipal

Rates		
Minimum Bill		\$ -
Customer Charge		\$ 39.43
Usage		\$/1000 gal
First	10000 gal	2.65
Next	10000 gal	4.77
Excess		6.89

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Number of Customers	2	2	2	2	2	2	2	2	2	2	2	2	2
Usage by Block													
First 10000 gal	2	2	1	-	1	1	1	4	6	5	6	6	35
Next 10000 gal	-	-	-	-	-	-	-	-	-	-	-	-	-
Excess	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Usage gal	2	2	1	-	1	1	1	4	6	5	6	6	35
Revenue													
Minimum Bill	-	-	-	-	-	-	-	-	-	-	-	-	-
Customer Charges	79	79	79	79	79	79	79	79	79	79	79	79	946
Usage Charges													
First 10000 gal	5	5	3	-	3	3	3	11	16	13	16	16	93
Next 10000 gal	-	-	-	-	-	-	-	-	-	-	-	-	-
Excess	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Usage Charges	5	5	3	-	3	3	3	11	16	13	16	16	93
Total Revenues	84	84	82	79	82	82	82	89	95	92	95	95	1,039
Discount	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Revenues (including discounts)	84	84	82	79	82	82	82	89	95	92	95	95	1,039
													Rate Increase / (Decrease)
													6.00%

Appendix Table C-12
City of Hickman
2024 Water Cost of Service Study
Calculation of Revenue from Proposed Rates
Municipal

Rates		
Minimum Bill		\$ -
Customer Charge		\$ 41.80
Usage		\$/1000 gal
First	10000 gal	2.81
Next	10000 gal	5.06
Excess		7.30

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Number of Customers	2	2	2	2	2	2	2	2	2	2	2	2	2
Usage by Block													
First 10000 gal	2	2	1	-	1	1	1	4	6	5	6	6	35
Next 10000 gal	-	-	-	-	-	-	-	-	-	-	-	-	-
Excess	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Usage gal	2	2	1	-	1	1	1	4	6	5	6	6	35
Revenue													
Minimum Bill	-	-	-	-	-	-	-	-	-	-	-	-	-
Customer Charges	84	84	84	84	84	84	84	84	84	84	84	84	1,003
Usage Charges													
First 10000 gal	6	6	3	-	3	3	3	11	17	14	17	17	98
Next 10000 gal	-	-	-	-	-	-	-	-	-	-	-	-	-
Excess	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Usage Charges	6	6	3	-	3	3	3	11	17	14	17	17	98
Total Revenues	89	89	86	84	86	86	86	95	100	98	100	100	1,101
Discount	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Revenues (including discounts)	89	89	86	84	86	86	86	95	100	98	100	100	1,101
													Rate Increase / (Decrease)
													6.00%

Appendix Table C-14
City of Hickman
2024 Water Cost of Service Study
Calculation of Revenue from Proposed Rates
Tank Truck

Rates	
Minimum Bill	\$ -
Customer Charge	\$ -
Usage	\$/1000 gal
First 1000 gal	47.70
Excess	5.30

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Number of Customers	-	-	-	-	-	-	-	-	-	-	-	-	-
Usage by Block													
First 1000 gal	-	-	-	-	-	-	-	-	-	-	-	-	-
Excess	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Usage gal	-	-	-	-	-	-	-	-	-	-	-	-	-
Revenue													
Minimum Bill	-	-	-	-	-	-	-	-	-	-	-	-	-
Customer Charges	-	-	-	-	-	-	-	-	-	-	-	-	-
Usage Charges													
First 1000 gal	-	-	-	-	-	-	-	-	-	-	-	-	-
Excess	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Usage Charges	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Revenues	-	-	-	-	-	-	-	-	-	-	-	-	-
Discount	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Revenues (including discounts)	-	-	-	-	-	-	-	-	-	-	-	-	-

Rate Increase / (Decrease)

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Appendix Table C-15
City of Hickman
2024 Water Cost of Service Study
Calculation of Revenue from Proposed Rates
Tank Truck

Rates	
Minimum Bill	\$ -
Customer Charge	\$ -
Usage	\$/1000 gal
First 1000 gal	50.56
Excess	5.62

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Number of Customers	-	-	-	-	-	-	-	-	-	-	-	-	-
Usage by Block													
First 1000 gal	-	-	-	-	-	-	-	-	-	-	-	-	-
Excess	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Usage gal	-	-	-	-	-	-	-	-	-	-	-	-	-
Revenue													
Minimum Bill	-	-	-	-	-	-	-	-	-	-	-	-	-
Customer Charges	-	-	-	-	-	-	-	-	-	-	-	-	-
Usage Charges													
First 1000 gal	-	-	-	-	-	-	-	-	-	-	-	-	-
Excess	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Usage Charges	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Revenues	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Revenues (including discounts)	-	-	-	-	-	-	-	-	-	-	-	-	-

Rate Increase / (Decrease)

#DIV/0!