

October 30, 2024

2025 Sewer User Rate Study Update:

City of Waukesha, Wisconsin

Cost of Service Sewer User Rate Update for a 2025 Test Year



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BUILDING COMMUNITIES. IT'S WHAT WE DO.

Sewer User Rate Study Update
Supporting Worksheets

City of Waukesha

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Table 1 - Comparison of Existing vs. Proposed Rates

	<u>Current Rates</u> Effective 1/1/2024	2025 <u>Proposed</u> Rates	<u>\$</u> Change	<u>%</u> Change
<u>City (Inside) User Charges</u>				
Monthly Fixed Charge	\$6.88	\$6.88	\$0.00	0.00%
Volumetric Charge per 1,000 gallons	\$10.48	\$10.48	\$0.00	0.00%
Quarterly flat charge (unmetered users only)	\$314.39	\$314.39	\$0.00	0.00%
Surcharge Rate BOD /lb	\$1.48	\$1.48	\$0.00	0.00%
Surcharge Rate SS /lb	\$0.71	\$0.71	\$0.00	0.00%
Surcharge Rate P /lb	\$13.39	\$13.39	\$0.00	0.00%
Surcharge Rate TKN /lb	\$2.31	\$2.31	\$0.00	0.00%
<u>Extraterritorial (Outside) User Charges</u>				
Monthly Fixed Charge	\$6.88	\$6.88	\$0.00	0.00%
Volumetric Charge per 1,000 gallons	\$14.02	\$14.02	\$0.00	0.00%
Quarterly flat charge (unmetered users only)	\$420.63	\$420.63	\$0.00	0.00%
<u>Hauled Waste Charges</u>				
Septic Tank Rate per 1,000 gallons	\$97.59	\$97.59	\$0.00	0.00%
Holding Tank Rate per 1,000 gallons	\$32.22	\$32.22	\$0.00	0.00%
Chemical Toilet Waste Rate per 1,000 gallons	\$241.18	\$241.18	\$0.00	0.00%
Annual Cost for Average Residential User (48,000 gallons/year)	\$585.55	\$585.55	\$0.00	0.00%
Monthly Cost	\$48.80	\$48.80	\$0.00	0.00%

Table 2 - Projected WWTF Flows and Loadings

Total	Equiv Customers	Flow (1,000 Gal)	BOD (Lbs)	SS (Lbs)	P (Lbs)	TKN (Lbs)
Residential	18,478	813,881	1,595,125	2,307,841	54,302	203,633
Commercial and Multi-Family ⁽¹⁾	2,199	641,127	1,256,545	1,817,980	42,776	160,410
Industrial	144	98,246	192,552	278,586	6,555	24,581
Public	107	47,710	93,507	135,286	3,183	11,937
Subtotal City Billable	20,928	1,600,964	3,137,729	4,539,694	106,816	400,561
Unmetered Customers	115	13,800	27,047	39,131	921	3,453
Outside Customers						
Residential	71	2,637	5,168	7,477	176	660
Commercial and Multi-Family	21	4,519	8,856	12,813	301	1,131
Industrial	2	139	273	395	9	35
Subtotal Outside Billable	94	7,295	14,297	20,685	487	1,825
High Strength Industrial						
Ventura Foods						
Excess Loadings			508,693	121,198	222	-
GE Medical Systems						
Excess Loadings			-	-	-	959
Waukesha Memorial Hospital						
Excess Loadings			8,555	-	-	3,310
Innio (GE/Waukesha Engine)						
Excess Loadings			-	-	-	3,647
Prolec-GE						
Excess Loadings			24,582	41,491	219	1,816
Lifeway Wisconsin, LLC						
Excess Loadings			574,796	116,053	3,880	22,046
DSM Food						
Excess Loadings			12,784	28,831	598	816
Gascoigne Co.						
Excess Loadings			-	-	899	-
Profile Finishing						
Excess Loadings			9	-	50	10
Eaton Badger						
Excess Loadings			1,497	-	881	-
Eaton Lincoln						
Excess Loadings			-	-	468	-
Class 2 Industrial Hauled Excess Loadings			1,239	-	179	959
Subtotal High Strength Industrial Billable			1,132,155	307,573	7,396	33,563
Septic Tank Waste		656	8,189	33,364	257	1,095
Chemical Toilet Waste		751	51,725	56,539	1,590	17,699
Holding Tank Waste		969	5,202	7,391	210	759
Subtotal Wastehaulers		2,376	65,116	97,294	2,057	19,553
Total Billable	21,022	1,624,434	4,376,344	5,004,376	117,677	458,955
I/I		1,176,314				
Total WTF		2,800,749				
Total For Rate Calcs	21,022	1,624,434	4,376,344	5,004,376	117,677	458,955

Notes:

(1) Includes customer connections and flows from the Village of Wales.

Table 3 - Allocation of Costs to Function

	Flow		BOD		TSS		P		TKN		
	2025 Budget	%	Cost - User Charge	Cost - Customer	%	Cost	%	Cost	%	Cost	
			50.0%	50.0%							
Operating & Maintenance											
Sewer Maintenance (7384)											
110 Personal Services											
51110 Salaries	\$500,003	100.0%	\$250,002	\$250,002	0.0%	\$0	0.0%	\$0	\$0	\$0	\$0
51210 Wages Permanent	\$0	100.0%	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	
51220 Overtime	\$21,000	100.0%	\$10,500	\$10,500	0.0%	\$0	0.0%	\$0	\$0	\$0	
51250 Wages Temporary	\$0	100.0%	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	
51510 Social Security	\$39,854	100.0%	\$19,927	\$19,927	0.0%	\$0	0.0%	\$0	\$0	\$0	
51520 Retirement	\$36,212	100.0%	\$18,106	\$18,106	0.0%	\$0	0.0%	\$0	\$0	\$0	
51540 Health Insurance	\$160,651	100.0%	\$80,326	\$80,326	0.0%	\$0	0.0%	\$0	\$0	\$0	
51550 Life Insurance	\$991	100.0%	\$496	\$496	0.0%	\$0	0.0%	\$0	\$0	\$0	
51560 Dental Insurance	\$6,246	100.0%	\$3,123	\$3,123	0.0%	\$0	0.0%	\$0	\$0	\$0	
120 Contractual Services											
52190 Other Professional Services	\$0	100.0%	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	
52210 Water And Sewer	\$0	100.0%	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	
52220 Electric	\$175,000	100.0%	\$87,500	\$87,500	0.0%	\$0	0.0%	\$0	\$0	\$0	
52240 Heat	\$1,015	100.0%	\$508	\$508	0.0%	\$0	0.0%	\$0	\$0	\$0	
52410 Vehicle Maintenance	\$50,000	100.0%	\$25,000	\$25,000	0.0%	\$0	0.0%	\$0	\$0	\$0	
52435 Conveyance Maintenance	\$125,000	100.0%	\$62,500	\$62,500	0.0%	\$0	0.0%	\$0	\$0	\$0	
52490 Pump Station Maintenance	\$120,000	100.0%	\$60,000	\$60,000	0.0%	\$0	0.0%	\$0	\$0	\$0	
130 Supplies and Expenses											
53510 Gasoline, Oil, Grease Etc.	\$30,000	100.0%	\$15,000	\$15,000	0.0%	\$0	0.0%	\$0	\$0	\$0	
53940 Other (Manhole repairs, inspect)	\$75,000	100.0%	\$37,500	\$37,500	0.0%	\$0	0.0%	\$0	\$0	\$0	
Subtotal Sewer Maintenance	\$1,340,972	100.0%	\$670,486	\$670,486	0.0%	\$0	0.0%	\$0	0.0%	\$0	
Sewer Plant Operations (7388)											
110 Personal Services											
51110 Salaries	\$1,151,105	40.0%	\$230,221	\$230,221	25.0%	\$287,776	25.0%	\$287,776	5.0%	\$57,555	5.0%
51170 Accrued Compensatory time	\$0	40.0%	\$0	\$0	25.0%	\$0	25.0%	\$0	5.0%	\$0	
51180 Accrued Vacation	\$0	40.0%	\$0	\$0	25.0%	\$0	25.0%	\$0	5.0%	\$0	
51190 Sick Leave Accrual	\$0	40.0%	\$0	\$0	25.0%	\$0	25.0%	\$0	5.0%	\$0	
51210 Wages Permanent	\$0	40.0%	\$0	\$0	25.0%	\$0	25.0%	\$0	5.0%	\$0	
51220 Overtime	\$80,000	40.0%	\$16,000	\$16,000	25.0%	\$20,000	25.0%	\$20,000	5.0%	\$4,000	
51250 Wages Temporary	\$21,168	40.0%	\$4,234	\$4,234	25.0%	\$5,292	25.0%	\$5,292	5.0%	\$1,058	
51510 Social Security	\$94,486	40.0%	\$18,897	\$18,897	25.0%	\$23,622	25.0%	\$23,622	5.0%	\$4,724	
51520 Retirement	\$85,562	40.0%	\$17,112	\$17,112	25.0%	\$21,391	25.0%	\$21,391	5.0%	\$4,278	
51540 Health Insurance	\$359,414	40.0%	\$71,883	\$71,883	25.0%	\$89,854	25.0%	\$89,854	5.0%	\$17,971	
51550 Life Insurance	\$2,367	40.0%	\$473	\$473	25.0%	\$592	25.0%	\$592	5.0%	\$118	
51560 Dental Insurance	\$11,328	40.0%	\$2,266	\$2,266	25.0%	\$2,832	25.0%	\$2,832	5.0%	\$566	
120 Contractual Services											
52190 Lab Testing	\$35,190	0.0%	\$0	\$0	30.0%	\$10,557	20.0%	\$7,038	27.5%	\$9,677	
52210 Water And Sewer	\$55,670	100.0%	\$27,835	\$27,835	0.0%	\$0	0.0%	\$0	0.0%	\$0	
52220 Electric	\$1,016,263	17.5%	\$88,923	\$88,923	57.5%	\$584,351	15.0%	\$152,439	5.0%	\$50,813	
52240 Heat	\$173,392	25.0%	\$21,674	\$21,674	25.0%	\$43,348	25.0%	\$43,348	12.5%	\$21,674	
52410 Vehicle Maintenance	\$35,000	25.0%	\$4,375	\$4,375	25.0%	\$8,750	25.0%	\$8,750	12.5%	\$4,375	
52430 PLC System Maint	\$30,600	25.0%	\$3,825	\$3,825	25.0%	\$7,650	25.0%	\$7,650	12.5%	\$3,825	
52450 Grounds Maintenance & Improv	\$66,000	25.0%	\$8,250	\$8,250	25.0%	\$16,500	25.0%	\$16,500	12.5%	\$8,250	
52490 Equipment Maintenance	\$230,000	15.0%	\$17,250	\$17,250	30.0%	\$69,000	30.0%	\$69,000	12.5%	\$28,750	
52990 Environmental Permit Fee	\$15,000	25.0%	\$1,875	\$1,875	25.0%	\$3,750	25.0%	\$3,750	12.5%	\$1,875	
130 Supplies and Expenses											
53140 Small Equipment	\$5,000	15.0%	\$375	\$375	30.0%	\$1,500	30.0%	\$1,500	12.5%	\$625	
53420 Chemistry/Lab/Medical Supplies	\$40,000	0.0%	\$0	\$0	25.0%	\$10,000	25.0%	\$10,000	25.0%	\$10,000	
53422 WWTP Processing Chemicals	\$600,000	0.0%	\$0	\$0	50.0%	\$300,000	25.0%	\$150,000	25.0%	\$150,000	
53440 Janitorial Supplies	\$10,000	10.0%	\$500	\$500	25.0%	\$2,500	25.0%	\$2,500	20.0%	\$2,000	
53460 Clothing And Uniforms	\$13,056	10.0%	\$653	\$653	25.0%	\$3,264	25.0%	\$3,264	20.0%	\$2,611	
53490 Other Operating Supplies	\$0	10.0%	\$0	\$0	25.0%	\$0	25.0%	\$0	20.0%	\$0	
53510 Gasoline, Oil, Grease Etc.	\$17,340	10.0%	\$867	\$867	25.0%	\$4,335	25.0%	\$4,335	20.0%	\$3,468	
53620 Consumable Tools	\$8,000	10.0%	\$400	\$400	25.0%	\$2,000	25.0%	\$2,000	20.0%	\$1,600	
53910 Sludge Disposal	\$168,300	0.0%	\$0	\$0	55.0%	\$92,565	40.0%	\$67,320	5.0%	\$8,415	
150 Fixed Charges											
55110 Property/Boiler Ins.& Expense	\$83,700	20.0%	\$8,370	\$8,370	20.0%	\$16,740	20.0%	\$16,740	20.0%	\$16,740	
Subtotal Sewer Plant Operations	\$4,407,941	24.8%	\$546,258	\$546,258	36.9%	\$1,628,168	23.1%	\$1,017,492	9.4%	\$414,970	5.8%

Table 3 - Allocation of Costs to Function

	Flow		BOD		TSS		P		TKN			
	2025 Budget	%	Cost - User Charge	Cost - Customer	%	Cost	%	Cost	%	Cost		
Pre-treatment Sampling (7381)												
110 Personal Services												
51110 Salaries	\$167,734	15.0%	\$12,580	\$12,580	25.0%	\$41,934	20.0%	\$33,547	20.0%	\$33,547	20.0%	\$33,547
51210 Wages Permanent	\$0	15.0%	\$0	\$0	25.0%	\$0	20.0%	\$0	20.0%	\$0	20.0%	\$0
51220 Overtime	\$450	15.0%	\$34	\$34	25.0%	\$113	20.0%	\$90	20.0%	\$90	20.0%	\$90
51510 Social Security	\$12,865	15.0%	\$965	\$965	25.0%	\$3,216	20.0%	\$2,573	20.0%	\$2,573	20.0%	\$2,573
51520 Retirement	\$11,689	15.0%	\$877	\$877	25.0%	\$2,922	20.0%	\$2,338	20.0%	\$2,338	20.0%	\$2,338
51540 Health Insurance	\$58,928	15.0%	\$4,420	\$4,420	25.0%	\$14,732	20.0%	\$11,786	20.0%	\$11,786	20.0%	\$11,786
51550 Life Insurance	\$1,147	15.0%	\$86	\$86	25.0%	\$287	20.0%	\$229	20.0%	\$229	20.0%	\$229
51560 Dental Insurance	\$2,280	15.0%	\$171	\$171	25.0%	\$570	20.0%	\$456	20.0%	\$456	20.0%	\$456
120 Contractual Services												
52190 Pre-Treatment Sampling	\$18,000	15.0%	\$1,350	\$1,350	25.0%	\$4,500	20.0%	\$3,600	20.0%	\$3,600	20.0%	\$3,600
52410 Vehicle Maintenance	\$1,530	15.0%	\$115	\$115	25.0%	\$383	20.0%	\$306	20.0%	\$306	20.0%	\$306
52430 Computer Hardware Maint	\$0	15.0%	\$0	\$0	25.0%	\$0	20.0%	\$0	20.0%	\$0	20.0%	\$0
130 Supplies and Expenses												
53120 Office Supplies	\$100	15.0%	\$8	\$8	25.0%	\$25	20.0%	\$20	20.0%	\$20	20.0%	\$20
53220 Subscriptions-Office	\$0	15.0%	\$0	\$0	25.0%	\$0	20.0%	\$0	20.0%	\$0	20.0%	\$0
53260 Advertising	\$50	15.0%	\$4	\$4	25.0%	\$13	20.0%	\$10	20.0%	\$10	20.0%	\$10
53510 Gasoline, Oil, Grease Etc.	\$1,400	15.0%	\$105	\$105	25.0%	\$350	20.0%	\$280	20.0%	\$280	20.0%	\$280
Subtotal Pretreatment Sampling	\$ 276,173.00	15.0%	\$20,713	\$20,713	25.0%	\$69,043	20.0%	\$55,235	20.0%	\$55,235	20.0%	\$55,235
Subtotal Collector and Treatment	\$ 6,025,086.00	41.1%	\$1,237,457	\$1,237,457	28.2%	\$1,697,211	17.8%	\$1,072,727	7.8%	\$470,205	5.1%	\$310,030
Sewer Administration (7380)												
110 Personal Services												
51110 Salaries	\$515,121	41.1%	\$105,798	\$105,798	28.2%	\$145,105	17.8%	\$91,714	7.8%	\$40,201	5.1%	\$26,506
51180 Accrued Vacation	\$0	41.1%	\$0	\$0	28.2%	\$0	17.8%	\$0	7.8%	\$0	5.1%	\$0
51190 Sick Leave Accrual	\$0	41.1%	\$0	\$0	28.2%	\$0	17.8%	\$0	7.8%	\$0	5.1%	\$0
51210 Wages Permanent	\$0	41.1%	\$0	\$0	28.2%	\$0	17.8%	\$0	7.8%	\$0	5.1%	\$0
51220 Overtime	\$3,000	41.1%	\$616	\$616	28.2%	\$845	17.8%	\$534	7.8%	\$234	5.1%	\$154
51510 Social Security	\$39,637	41.1%	\$8,141	\$8,141	28.2%	\$11,165	17.8%	\$7,057	7.8%	\$3,093	5.1%	\$2,040
51520 Retirement	\$35,829	41.1%	\$7,359	\$7,359	28.2%	\$10,093	17.8%	\$6,379	7.8%	\$2,796	5.1%	\$1,844
51525 Retirement-GASB 68	\$0	41.1%	\$0	\$0	28.2%	\$0	17.8%	\$0	7.8%	\$0	5.1%	\$0
51540 Health Insurance	\$160,791	41.1%	\$33,024	\$33,024	28.2%	\$45,293	17.8%	\$28,628	7.8%	\$12,548	5.1%	\$8,274
51550 Life Insurance	\$1,457	41.1%	\$299	\$299	28.2%	\$410	17.8%	\$259	7.8%	\$114	5.1%	\$75
51551 Life Insurance-GASB 75	\$35,000	41.1%	\$7,188	\$7,188	28.2%	\$9,859	17.8%	\$6,232	7.8%	\$2,731	5.1%	\$1,801
51560 Dental Insurance	\$6,243	41.1%	\$1,282	\$1,282	28.2%	\$1,759	17.8%	\$1,112	7.8%	\$487	5.1%	\$321
51570 OPEB Expense	\$100,000	41.1%	\$20,538	\$20,538	28.2%	\$28,169	17.8%	\$17,804	7.8%	\$7,804	5.1%	\$5,146
120 Contractual Services												
52130 Accounting And Auditing	\$119,165	41.1%	\$24,475	\$24,475	28.2%	\$33,568	17.8%	\$21,216	7.8%	\$9,300	5.1%	\$6,132
52131 Utility Billing	\$859,860	41.1%	\$176,602	\$176,602	28.2%	\$242,215	17.8%	\$153,092	7.8%	\$67,104	5.1%	\$44,245
52135 Consulting	\$100,000	41.1%	\$20,538	\$20,538	28.2%	\$28,169	17.8%	\$17,804	7.8%	\$7,804	5.1%	\$5,146
52180 Management Services	\$64,291	41.1%	\$13,204	\$13,204	28.2%	\$18,110	17.8%	\$11,447	7.8%	\$5,017	5.1%	\$3,308
52190 Other Other Professional Services	\$120,000	41.1%	\$24,646	\$24,646	28.2%	\$33,803	17.8%	\$21,365	7.8%	\$9,365	5.1%	\$6,175
52250 Telephone	\$20,000	41.1%	\$4,108	\$4,108	28.2%	\$5,634	17.8%	\$3,561	7.8%	\$1,561	5.1%	\$1,029
52270 Trunk Radio System Startup F	\$642	41.1%	\$132	\$132	28.2%	\$181	17.8%	\$114	7.8%	\$50	5.1%	\$33
52430 Computer Hardware Maint	\$500	41.1%	\$103	\$103	28.2%	\$141	17.8%	\$89	7.8%	\$39	5.1%	\$26
130 Supplies and Expenses												
53110 Postage and Box Rent	\$1,000	41.1%	\$205	\$205	28.2%	\$282	17.8%	\$178	7.8%	\$78	5.1%	\$51
53120 Office Supplies	\$2,400	41.1%	\$493	\$493	28.2%	\$676	17.8%	\$427	7.8%	\$187	5.1%	\$123
53130 Printing/Photocopying	\$6,000	41.1%	\$1,232	\$1,232	28.2%	\$1,690	17.8%	\$1,068	7.8%	\$468	5.1%	\$309
53135 Internal Printing	\$5,488	41.1%	\$1,127	\$1,127	28.2%	\$1,546	17.8%	\$977	7.8%	\$428	5.1%	\$282
53220 Subscriptions-Office	\$600	41.1%	\$123	\$123	28.2%	\$169	17.8%	\$107	7.8%	\$47	5.1%	\$31
53240 Membership Dues	\$3,500	41.1%	\$719	\$719	28.2%	\$986	17.8%	\$623	7.8%	\$273	5.1%	\$180
53250 Conference And Training	\$15,000	41.1%	\$3,081	\$3,081	28.2%	\$4,225	17.8%	\$2,671	7.8%	\$1,171	5.1%	\$772
53260 Advertising	\$3,000	41.1%	\$616	\$616	28.2%	\$845	17.8%	\$534	7.8%	\$234	5.1%	\$154
53940 Other Chg	\$1,000	41.1%	\$205	\$205	28.2%	\$282	17.8%	\$178	7.8%	\$78	5.1%	\$51
150 Fixed Charges												
55120 Auto And Fleet Insurance	\$14,300	41.1%	\$2,937	\$2,937	28.2%	\$4,028	17.8%	\$2,546	7.8%	\$1,116	5.1%	\$736
55160 Workman's Comp Insurance	\$53,300	41.1%	\$10,947	\$10,947	28.2%	\$15,014	17.8%	\$9,490	7.8%	\$4,160	5.1%	\$2,743

Table 3 - Allocation of Costs to Function

	Flow		BOD		TSS		P		TKN			
	2025 Budget	%	Cost - User Charge	Cost - Customer	%	Cost	%	Cost	%	Cost		
	55190 General Liability Insurance	\$47,900	41.1%	\$9,838	\$9,838	28.2%	\$13,493	17.8%	\$8,528	7.8%	\$3,738	5.1%
184 Interdepartmental Charges												
78422 Data Processing-Allocated	\$269,788	41.1%	\$55,410	\$55,410	28.2%	\$75,997	17.8%	\$48,034	7.8%	\$21,055	5.1%	\$13,882
78650 Employee Safety Programs	\$14,000	41.1%	\$2,875	\$2,875	28.2%	\$3,944	17.8%	\$2,493	7.8%	\$1,093	5.1%	\$720
78690 Other Employee Benefits	\$0	41.1%	\$0	\$0	28.2%	\$0	17.8%	\$0	7.8%	\$0	5.1%	\$0
89280 TranSkivt	\$30,600	41.1%	\$6,285	\$6,285	28.2%	\$8,620	17.8%	\$5,448	7.8%	\$2,388	5.1%	\$1,575
Subtotal	\$ 2,649,411.54	41.1%	\$544,147	\$544,147	28.2%	\$746,315	17.8%	\$471,710	7.8%	\$206,763	5.1%	\$136,330
Total O & M	\$ 8,674,497.54	41.1%	\$1,781,604	\$1,781,604	28.2%	\$2,443,526	17.8%	\$1,544,437	7.8%	\$ 676,967.85	5.1%	\$ 446,359.80
Capital Costs												
Depreciation	\$6,641,901	41.1%	\$2,728,282	\$0	28.2%	\$1,870,962	17.8%	\$1,182,546	7.8%	\$518,342	5.1%	\$341,769
Return on Investment (ROI)	\$7,053,214	41.1%	\$2,897,236	\$0	28.2%	\$1,986,825	17.8%	\$1,255,778	7.8%	\$550,441	5.1%	\$362,934
Total Capital Costs	\$13,695,115		\$5,625,517	\$0		\$3,857,787		\$2,438,324		\$1,068,783		\$704,704
Subtotal Revenue Requirements	\$22,369,613		\$7,407,121	\$1,781,604		\$6,301,313		\$3,982,761		\$ 1,745,750.53		\$1,151,063
Other Income												
Delinquent Fees	(\$60,000)	41.1%	(\$12,323)	(\$12,323)	28.2%	(\$16,901)	17.8%	(\$10,683)	7.8%	(\$4,682)	5.1%	(\$3,087)
Pre-Treatment Charges - Public Charges	(\$57,000)	41.1%	(\$11,707)	(\$11,707)	28.2%	(\$16,056)	17.8%	(\$10,148)	7.8%	(\$4,448)	5.1%	(\$2,933)
Investment Income	\$0	41.1%	\$0	\$0	28.2%	\$0	17.8%	\$0	7.8%	\$0	5.1%	\$0
Total Other Income	(\$117,000)		(\$24,030)	(\$24,030)		(\$32,958)		(\$20,831)		(\$9,131)		(\$6,020)
Total Net Revenue Requirements	\$22,252,613		\$7,383,091	\$1,757,574		\$6,268,355		\$3,961,930		\$1,736,620		\$1,145,043
Summary												
Allocation of Costs to Function and Classification for City Rates												
O&M and Replacement	\$8,674,498		\$1,781,604	\$1,781,604		\$2,443,526		\$1,544,437		\$676,968		\$446,360
Capital	\$13,695,115		\$5,625,517	\$0		\$3,857,787		\$2,438,324		\$1,068,783		\$704,704
Other Revenues	(\$117,000)		(\$24,030)	(\$24,030)		(\$32,958)		(\$20,831)		(\$9,131)		(\$6,020)
Total	22,252,613		7,383,091	1,757,574		6,268,355		3,961,930		1,736,620		1,145,043
Allocation of Costs to Function and Classification for Extraterritorial Rates												
Total Allocation for City Rates	\$22,252,613		\$7,383,091	\$1,757,574		\$6,268,355		\$3,961,930		\$1,736,620		\$1,145,043
Deduct ROI for City	(\$7,053,214)		(\$2,897,236)	\$0		(\$1,986,825)		(\$1,255,778)		(\$550,441)		(\$362,934)
Add ROI for Computation of Extra Rates	\$16,457,500	41.1%	\$6,760,217	\$0	28.2%	\$4,635,925	17.8%	\$2,930,149	7.8%	\$1,284,362	5.1%	\$846,846
Total	31,656,898		11,246,073	1,757,574		8,917,455		5,636,301		2,470,541		1,628,955

Table 4 - Comparison of Operating Expenses and Customer Flows and Loadings

2024-2025 Operating and Maintenance Comparison

Operating and Maintenance Category	2024	2025	Difference	Percentage Change
Sewer Maintenance	\$ 1,297,322	\$ 1,340,972	\$43,650	3.36%
Sewer Plant Operations	\$ 4,086,951	\$ 4,407,941	\$320,990	7.85%
Pre-treatment Sampling	\$ 267,976	\$ 276,173	\$8,197	3.06%
Subtotal Collection and Treatment	\$ 5,652,249	\$ 6,025,086	\$372,837	6.60%
Sewer Administration	\$ 2,828,171	\$ 2,649,412	(\$178,759)	-6.32%
Total Operating and Maintenance Expenses	\$ 8,480,420	\$ 8,674,498	\$194,078	2.29%

2024-2025 Billable Flows Comparison

Customer Class	Billable Flow (1,000 Gal) 2024	2025	Difference (1,000 gal)	Percentage Change
Residential	853,000	813,881	(39,119)	-4.59%
Commercial and Multi-Family	643,000	641,127	(1,873)	-0.29%
Industrial	96,000	98,246	2,246	2.34%
Public	58,000	47,710	(10,290)	-17.74%
Septic Tank Waste	700	656	(44)	-6.24%
Holding Tank Waste	1,000	969	(31)	-3.15%
Total	1,653,205	1,602,589	(50,616)	-3.06%

Total Loadings all Customer Classes	2024	2025	Difference (Lbs)	Percentage Change
BOD (Lbs)	4,219,127	4,376,344	157,217	3.73%
TSS (Lbs)	5,219,101	5,004,376	(214,724)	-4.11%
P (Lbs)	121,800	117,677	(4,122)	-3.38%
TKN (Lbs)	471,285	458,955	(12,330)	-2.62%

Table 5 - Wastewater Utility Assets and Depreciation

Estimated Asset Detail at 12/31/23

Description	Original Cost ⁽¹⁾	Accumulated Depreciation ⁽²⁾	Est. 2024	Est. 2025	Est. Accumulated Depreciation at 12/31/2025	Net Book Value
Subtotal	\$227,457,760	\$83,055,149	\$6,250,000	\$6,250,000	\$95,555,149	\$131,902,611
2024 Capital Projects ⁽³⁾	\$13,172,000		\$195,951	\$391,901	\$587,852	\$12,584,149
2025 Capital Projects ⁽³⁾	\$12,445,000		\$0	\$193,665	\$193,665	\$12,251,335
Total	\$253,074,760		\$6,445,951	\$6,641,901	\$96,336,666	\$156,738,095

Notes:
 (1) From City of Waukesha 12/31/2023 Fixed Asset Master List.
 (2) At 12/31/2023
 (3) Source: City Finance Department.

Table 6 - Recovery of Depreciation and ROI

Return on Investment - City Customers

Asset Costs	\$253,074,760
Accumulated Depreciation	\$96,336,666
Estimated Test Year Net Investment Rate Base (NIRB)	<u>\$156,738,095</u>

Return on Investment (ROI) % 4.50%

ROI for test year \$7,053,214

Depreciation Expense for test year \$6,641,901

Total Capital Recovery \$13,695,115

Return on Investment - Extraterritorial Customers

Asset Costs	\$253,074,760
Accumulated Depreciation	\$96,336,666
Estimated Test Year Net Investment Rate Base (NIRB)	<u>\$156,738,095</u>

Return on Investment (ROI) % 10.50%

ROI for test year \$16,457,500

Depreciation Expense for test year \$6,641,901

Total Capital Recovery \$23,099,401

Table 7 - Rate Computation Worksheet

	City (Inside) Rates			Extraterritorial (Outside) Rates		
	Costs	Billable Units	City Rate	Costs	Billable Units	Extra. Rate
Fixed Charges						
Fixed Charge	1,757,574	20,928	\$83.98	1,757,574	20,928	\$83.98
Volumetric Charges						
Flow Charge per 1,000 gallons	7,383,091	1,627,967	\$4.54	11,246,073	1,624,434	\$6.92
BOD Charge per lb.	6,268,355	4,383,267	\$1.43	8,917,455	4,376,344	\$2.04
TSS Charge per lb.	3,961,930	5,014,393	\$0.79	5,636,301	5,004,376	\$1.13
P Charge per lb.	1,736,620	117,913	\$14.73	2,470,541	117,677	\$20.99
TKN Charge per lb.	1,145,043	459,839	\$2.49	1,628,955	458,955	\$3.55
BOD Charge per 1,000 gallons			\$2.80			\$3.99
TSS Charge per 1,000 gallons			\$2.24			\$3.19
P Charge per 1,000 gallons			\$0.98			\$1.40
TKN Charge per 1,000 gallons			\$0.62			\$0.89
Total Volumetric Rate per 1,000 gal			\$11.18			\$16.40
Wastehauler Charges						
Septic Charges						
Flow Charge per 1,000 gallons			\$4.54			\$6.92
BOD Charge per 1,000 gallons			\$17.84			\$25.42
TSS Charge per 1,000 gallons			\$40.16			\$57.25
P Charge per 1,000 gallons			\$5.77			\$8.23
TKN Charge per 1,000 gallons			\$4.15			\$5.92
Total			\$72.47			\$103.75
Holding Tank Charges						
Flow Charge per 1,000 gallons			\$4.54			\$6.92
BOD Charge per 1,000 gallons			\$7.68			\$10.94
TSS Charge per 1,000 gallons			\$6.03			\$8.59
P Charge per 1,000 gallons			\$3.19			\$4.55
TKN Charge per 1,000 gallons			\$1.95			\$2.78
Total			\$23.39			\$33.80
Chemical Toilet Waste Charges						
Flow Charge per 1,000 gallons			\$4.54			\$6.92
BOD Charge per 1,000 gallons			\$98.54			\$140.40
TSS Charge per 1,000 gallons			\$59.51			\$84.83
P Charge per 1,000 gallons			\$31.20			\$44.47
TKN Charge per 1,000 gallons			\$58.71			\$83.68
Total			\$252.49			\$360.31
Rate Summary						
Fixed charge per connection			\$83.98			\$83.98
Rate per 1,000 gallons			\$11.18			\$16.40
BOD rate per lb.			\$1.43			\$2.04
TSS rate per lb.			\$0.79			\$1.13
P rate per lb.			\$14.73			\$20.99
TKN rate per lb.			\$2.49			\$3.55

Table 8 - Rate Summary

		<u>COS</u>	<u>Proposed</u>
City (Inside)	Fixed charge per connection (annual)	\$83.98	\$82.52
	Volumetric Rate per 1,000 Gallons	\$11.18	\$10.48
	BOD rate per lb.	\$1.43	\$1.48
	TSS rate per lb.	\$0.79	\$0.71
	P rate per lb.	\$14.73	\$13.39
	TKN rate per lb.	\$2.49	\$2.49
	Unmetered quarterly flat charge	\$335.52	\$314.39
Extraterritorial (Outside)	Fixed charge per connection (annual)	\$83.98	\$82.52
	Volumetric Rate per 1,000 Gallons	\$16.40	\$14.02
	BOD rate per lb.	\$2.04	\$2.04
	TSS rate per lb.	\$1.13	\$1.13
	P rate per lb.	\$20.99	\$20.99
	TKN rate per lb.	\$3.55	\$3.55
	Unmetered quarterly flat charge	\$491.97	\$420.63
Wastehauler	Septic Rate per 1,000 Gallons	\$103.75	\$97.59
	Chemical Toilet Rate per 1,000 Gallons	\$252.49	\$241.18
	Holding Tank Rate per 1,000 Gallons	\$33.80	\$32.22

Table 9 - Revenue Check (Based on COS)

		Units	Rate	Annual Total
Fixed Charge				
Residential	cust	18,478	\$83.98	\$1,551,818
Commercial and Multi-Family	cust	2,199	\$83.98	\$184,676
Industrial	cust	144	\$83.98	\$12,093
Public	cust	107	\$83.98	\$8,986
Subtotal		20,928		\$1,757,574
Volumetric Charges-Inside Customers				
Residential	Flow (000 gal)	813,881	\$11.18	\$9,102,491
Commercial & Multiple	Flow (000 gal)	641,127	\$11.18	\$7,170,401
Industrial	Flow (000 gal)	98,246	\$11.18	\$1,098,789
Public	Flow (000 gal)	47,710	\$11.18	\$533,591
Septic Waste Haulers	Flow (000 gal)	656	\$72.47	\$47,564
Chemical Toilet Waste Haulers	Flow (000 gal)	751	\$252.49	\$189,539
Holding Tank Waste Haulers	Flow (000 gal)	969	\$23.39	\$22,655
Subtotal		1,603,340		\$18,165,030
Industrial Excess BOD	Lbs	1,132,155	\$1.43	\$1,619,055
Industrial Excess TSS	Lbs	307,573	\$0.79	\$243,017
Industrial Excess P	Lbs	7,396	\$14.73	\$108,931
Industrial Excess TKN	Lbs	33,563	\$2.49	\$83,576
Subtotal		1,480,688		\$2,054,579
Unmetered Customers	cust	115	\$1,342.09	\$154,340
Volumetric Charges-Outside Customers				
Residential	Flow (000 gal)	2,637	\$16.40	\$43,241
Commercial & Multiple	Flow (000 gal)	4,519	\$16.40	\$74,101
Industrial	Flow (000 gal)	139	\$16.40	\$2,283
Subtotal				\$119,625
Total Revenues				\$22,251,147
Revenue Requirements				\$22,252,613
Difference				(\$1,466)

Table 10 - Revenue Summary

		Units	Rate	Annual Total
Fixed Charge				
Residential	cust	18,478	\$82.52	\$1,524,805
Commercial and Multi-Family	cust	2,199	\$82.52	\$181,461
Industrial	cust	144	\$82.52	\$11,883
Public	cust	107	\$82.52	\$8,830
Subtotal		20,928		\$1,726,979
Volumetric Charges - Inside Customers				
Residential	Flow (000 gal)	813,881	\$10.48	\$8,529,473
Commercial & Multiple	Flow (000 gal)	641,127	\$10.48	\$6,719,011
Industrial	Flow (000 gal)	98,246	\$10.48	\$1,029,618
Public	Flow (000 gal)	47,710	\$10.48	\$500,001
Septic Waste Haulers	Flow (000 gal)	656	\$97.59	\$64,053
Holding Tank Waste Haulers	Flow (000 gal)	969	\$32.22	\$31,206
Chemical Toilet Waste Haulers	Flow (000 gal)	751	\$241.18	\$181,047
Subtotal		1,602,589		\$17,054,409
Industrial Excess BOD	Lbs	1,132,155	\$1.48	\$1,675,589
Industrial Excess TSS	Lbs	307,573	\$0.71	\$218,377
Industrial Excess P	Lbs	7,396	\$13.39	\$99,035
Industrial Excess TKN	Lbs	33,563	\$2.49	\$83,573
Subtotal		1,480,688		\$2,076,574
Unmetered Customers	cust	115	\$1,257.56	\$144,619
Volumetric Charges - Outside Customers				
Residential	Flow (000 gal)	2,637	\$14.02	\$36,968
Commercial & Multiple	Flow (000 gal)	4,519	\$14.02	\$63,351
Industrial	Flow (000 gal)	139	\$14.02	\$1,952
Subtotal				\$102,270
Total Revenues				\$21,104,851
Revenue Requirements COS				\$22,252,613
Difference				(\$1,147,762)
Revenues as % of COS				94.8%

Table 11 - Test Year Cash Flow Analysis

	2025
Cash Sources	
Revenues from User Rates ⁽¹⁾	\$21,104,851
Allowance for Unknowns (ie. Timing of billing, customer loss)	(\$316,573)
Other Income ⁽²⁾	\$117,000
Investment Income on Unrestricted Cash ⁽³⁾	\$1,363,751
Other Fees ⁽⁴⁾	\$60,000
Total Cash Sources	\$22,329,029
Cash Uses	
O&M	\$8,674,498
Net Before Debt Service	\$13,654,532
Debt Service	
Total Debt Service	\$9,718,689
Capital Outlay (non reserve)	\$12,805,063
Addition to Replacement Fund	\$650,000
Net Cash Flow	(\$9,519,220)

Notes:

- (1) Estimated user rate projections assume that user rates are taking effect 1/1.
- (2) Subtotal delinquent fees plus pre-treatment sampling fees.
- (3) Estimate of investment income assuming assuming an interest rate of 3.0%.
- (4) Other charges includes connection fees, impact fees and special assessments.