



# Public Service Commission of Wisconsin

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4822 Madison Yards Way  
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Public Service Commission of Wisconsin  
 RECEIVED: 12/21/2022 8:45:00 AM

December 20, 2022

Mr. Steve Hatton, Finance Director  
 Whitewater Municipal Water Utility  
 312 W Whitewater Street  
 Whitewater, WI 53190

Re: Application of the City of Whitewater, Walworth and  
 Jefferson Counties, Wisconsin, as a Water Public Utility, for  
 Authority to Adjust Water Rates

6520-WR-106

Dear Mr. Hatton:

Public Service Commission (Commission) staff has analyzed the Whitewater Municipal Water Utility (Utility) application for a water rate increase. The Commission received the application on July 31, 2022. The attached proposed exhibit (Exhibit) contains schedules showing Commission staff's proposed cost-of-service analysis and proposed rates. Commission staff intends to submit the Exhibit at the public hearing, which will be scheduled at a later date.

The revenue requirement for the 2022 test year is comprised of the following:

Operation and Maintenance Expenses	\$	1,340,777
Depreciation Expense	\$	394,911
Property Tax Equivalent and Other Taxes	\$	441,552
Return on Rate Base	\$	912,857
<b>Total</b>	<b>\$</b>	<b>3,090,097</b>

Commission staff used a 6.60 percent rate of return on the estimated water utility net investment rate base for the 2022 test year, as recommended by our staff auditor. ([PSC REF#: 453726.](#))

Schedule 13 of the Exhibit shows the proposed rates that would increase annual revenues from water public utility service by an estimated \$687,376. Commission staff estimates \$452,311 would be from general service customers, and \$235,065 would be from the public fire protection (PFP) charge. The increase in water utility revenues results from a 26.25 percent increase in gross plant investment and a 22.97 percent increase in operating expenses since the Utility's last water conventional rate case (CRC) in 2020.

The overall increase in customer rates is 30.07 percent and is comprised of a 25.82 percent increase in general service charges and a 44.05 percent increase in PFP charges.

Mr. Steve Hatton  
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Under the rates proposed in the Exhibit, a typical single-family residential customer's bill would increase 29.61 percent, including PFP. Schedule 14 of the Exhibit shows Commission staff's analysis of customer bills for comparison of proposed and present rates.

Schedule X-1, Water Utility Operating Rules, of Schedule 13 includes changes to the Utility's filed rules that reflect the latest requirements in Wis. Admin. Code ch. PSC 185. Commission staff will recommend these changes to the Commission.

The proposed Commission staff Exhibit is intended to provide the Commission with Commission staff's analysis and is not a final decision. After review of the attached Exhibit, the Utility may, within five business days of the date of this letter, present its own case and may submit any additional information it believes to be pertinent to support its position. If Commission staff does not receive a response within that time, it will assume the Utility is in agreement with the staff proposal, and Commission staff will contact the Utility to schedule the public hearing. Please note that this is the Utility's primary opportunity to address any concerns or changes to Commission staff's proposed Cost of Service and Rate Design Exhibit.

The Utility should also be aware that the Commission will base its decision on the merits of the case and that the general service and PFP rates are typically effective within 90 days of the Final Decision.

In order to receive notification of official correspondence (i.e. data requests, notices, final decisions, etc.), individuals must subscribe to the Utility ID or PSC Docket. To subscribe, go to the Commission's [Electronic Records Filing System](#) (ERF). For help subscribing, go to [Subscribing to Dockets](#).

If you have any questions, please call me at (608) 266-3905.

Sincerely,



Andrew Fisher  
Public Utility Rate Analyst  
Public Service Commission of Wisconsin  
Division of Water Utility Regulation and Analysis  
(608) 266-3905 | [Andrew.Fisher@wisconsin.gov](mailto:Andrew.Fisher@wisconsin.gov)

ALF:ajh:krl DL:01920939

cc: Karen Dieter, Whitewater Municipal Water Utility  
Brian Roemer, Ehlers  
Lisa Trebatoski, Ehlers

**Ex.-PSC-COSS and Rate Design**

**Whitewater Municipal Water Utility**

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COMPARATIVE INCOME STATEMENT

ACCT NO.	OPERATING REVENUES	2018	2019	2020	2021	TEST YEAR 2022
460	Unmetered Sales to General Customers					
	Residential	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
	Multi-Family Residential	0	0	0	0	0
	Commercial	0	0	0	0	0
	Industrial	0	0	0	0	0
	Public Authority	0	0	0	0	0
	Irrigation	0	0	0	0	0
461	Metered Sales to General Customers					
	Residential	533,427	538,479	582,693	668,694	682,207
	Multi-Family Residential	114,881	123,756	138,808	160,160	160,123
	Commercial	88,898	90,350	90,906	107,980	110,146
	Industrial	398,998	440,419	502,954	590,759	594,391
	Public Authority	161,154	164,093	142,540	190,060	205,103
	Irrigation	0	0	0	0	0
	<b>TOTAL GENERAL SALES</b>	<b>\$ 1,297,358</b>	<b>\$ 1,357,097</b>	<b>\$ 1,457,901</b>	<b>\$ 1,717,653</b>	<b>\$ 1,751,970</b>
462	Private fire protection service	41,882	43,773	41,594	43,803	52,632
463	Public fire protection service	445,905	458,350	477,961	515,063	533,619
465	Other water sales	0	0	7,353	11,837	11,000
466	Sales for resale	0	0	0	0	0
467	Interdepartmental sales	0	0	0	0	0
470	Forfeited discounts	6,788	7,087	6,686	9,495	7,000
472	Rents from water property	53,256	27,688	26,078	26,301	26,500
473	Interdepartmental rents	0	0	0	0	0
474	Other water revenues	14,890	15,645	27,655	209,141	20,000
	<b>TOTAL OPERATING REVENUES</b>	<b>\$ 1,860,079</b>	<b>\$ 1,909,640</b>	<b>\$ 2,045,228</b>	<b>\$ 2,533,293</b>	<b>\$ 2,402,721</b>
	<b>OPERATING EXPENSES</b>					
	<b>SOURCE OF SUPPLY</b>					
600	Operation labor	\$ 20,288	\$ 18,768	\$ 18,611	\$ 14,856	\$ 22,250
601	Purchased water	0	0	0	0	0
602	Operation supplies and expenses	0	0	0	0	0
605	Maintenance of water source plant	299	375	801	245	500
	<b>PUMPING EXPENSES</b>					
620	Operation labor	38,008	43,054	40,224	29,366	39,000
621	Fuel for power production	0	0	0	0	0
622	Fuel or power purchased for pumping	146,239	158,742	158,749	179,531	184,000
623	Operation supplies and expenses	0	0	0	0	0
625	Maintenance of pumping plant	27,560	29,595	24,359	171,068	65,000

COMPARATIVE INCOME STATEMENT  
(continued)

ACCT NO.	OPERATING EXPENSES	2018	2019	2020	2021	TEST YEAR 2022
<b>WATER TREATMENT EXPENSES</b>						
630	Operation labor	\$ 27,333	\$ 26,766	\$ 19,462	\$ 14,713	\$ 23,400
631	Chemicals	28,865	30,003	33,427	33,295	35,000
632	Operation supplies and expenses	0	0	0	0	0
635	Maintenance of water treatment plant	6,833	2,636	79,097	\$ 125,003	61,250
<b>TRANSMISSION &amp; DISTRIBUTION EXPENSES</b>						
640	Operation labor	1,335	1,254	957	588	1,075
641	Operation supplies and expenses	0	0	0	0	0
650	Maintenance of distr. reservoirs	31,870	28,645	27,792	32,759	55,000
651	Maintenance of mains	47,744	50,039	49,436	49,590	52,000
652	Maintenance of services	35,228	24,150	28,279	24,184	30,000
653	Maintenance of meters	39,852	24,422	60,796	46,368	44,000
654	Maintenance of hydrants	29,496	21,833	24,307	20,233	24,000
655	Maintenance of other plant	0	0	0	0	0
<b>CUSTOMER ACCOUNTS EXPENSES</b>						
901	Meter reading labor	925	1,318	1,083	95	750
902	Accounting and collecting labor	37,441	37,360	38,080	38,147	38,500
903	Supplies and expenses	9,924	10,775	14,611	26,117	19,000
904	Uncollectible accounts	0	0	0	0	0
906	Customer service and informational expense	0	0	0	0	0
<b>SALES EXPENSES</b>						
910	Sales Expenses	0	0	0	0	0
<b>ADMINISTRATIVE &amp; GENERAL EXPENSES</b>						
920	Administrative and general salaries	109,753	117,068	118,616	120,800	124,000
921	Office supplies and expenses	12,809	13,527	15,300	16,042	15,500
922	Administrative expenses transferred -- credit	0	0	0	0	0
923	Outside services employed	20,920	43,091	26,179	37,501	36,500
924	Property insurance	16,934	19,715	20,207	21,868	23,500
925	Injuries and damages	0	0	0	0	0
926	Employee pensions and benefits	130,141	169,721	143,647	143,371	203,120
928	Regulatory commission expenses	0	0	0	0	3,333
930	Miscellaneous general expenses	3,130	2,560	1,418	2,806	4,099
933	Transportation expenses	9,631	9,348	8,404	6,950	11,000
935	Maintenance of general plant	173,603	175,463	213,940	229,306	225,000
<b>TOTAL OPER. &amp; MAINT. EXPENSES</b>		\$ 1,006,161	\$ 1,060,228	\$ 1,167,782	\$ 1,384,802	\$ 1,340,777
403	<b>DEPRECIATION EXPENSE</b>	249,180	190,908	239,725	279,087	394,911
404-407	<b>AMORTIZATION EXPENSE</b>	0	0	0	0	0
408	<b>TAXES AND TAX EQUIVALENT</b>	353,041	369,742	378,618	385,616	441,552
<b>TOTAL OPERATING EXPENSES</b>		\$ 1,608,382	\$ 1,620,878	\$ 1,786,125	\$ 2,049,505	\$ 2,177,240
<b>NET OPERATING INCOME</b>		\$ 251,697	\$ 288,762	\$ 259,103	\$ 483,788	\$ 225,481

## NET INVESTMENT RATE BASE

UTILITY FINANCED PLANT IN SERVICE	\$ 18,626,766
Less: ACCUMULATED PROVISION FOR DEPRECIATION	<u>4,741,610</u>
NET PLANT IN SERVICE	\$ 13,885,156
Plus: MATERIALS AND SUPPLIES	22,500
Less: REGULATORY LIABILITY	<u>76,490</u>
NET INVESTMENT RATE BASE	<u><u>\$ 13,831,166</u></u>
RATE OF RETURN ON RATE BASE	6.60%

**ESTIMATED INCOME STATEMENT FOR THE 2022 TEST YEAR  
AND  
REVENUE REQUIREMENT TO YIELD A 6.60% RETURN ON NET INVESTMENT RATE BASE**

	<u>Present Rates</u>	<u>Increase</u>	<u>After Rate Increase</u>
TOTAL OPERATING REVENUES	\$ <u>2,402,721</u>	\$ <u>687,376</u>	\$ <u>3,090,097</u>
<b>OPERATING EXPENSES:</b>			
OPERATION & MAINTENANCE EXPENSES	\$ 1,340,777		\$ 1,340,777
DEPRECIATION EXPENSE	394,911		394,911
AMORTIZATION EXPENSE	0		0
TAXES AND TAX EQUIVALENT	<u>441,552</u>		<u>441,552</u>
TOTAL OPERATING EXPENSES	\$ <u>2,177,240</u>		\$ <u>2,177,240</u>
NET OPERATING INCOME (LOSS)	\$ <u>225,481</u>		<u><u>\$ 912,857</u></u>
RATE OF RETURN ON RATE BASE	1.63%		6.60%

**UTILITY FINANCED PLANT IN SERVICE AND DEPRECIATION EXPENSE  
TEST YEAR 2022**

<u>ACCT NO.</u>	<u>ACCOUNT DESCRIPTION</u>	<u>Balance</u>	<u>Major</u>	<u>Normal</u>	<u>Retirements</u>	<u>Balance</u>	<u>Test Year</u>	<u>Depreciation</u>	
		<u>12/31/2021</u>	<u>Less</u>	<u>Additions</u>		<u>12/31/2022</u>	<u>Rate Base</u>	<u>Rate</u>	<u>Expense</u>
		<u>(\$)</u>	<u>Retirements</u>	<u>(\$)</u>	<u>(\$)</u>	<u>(\$)</u>	<u>(\$)</u>	<u>(%)</u>	<u>(\$)</u>
<b>INTANGIBLE PLANT</b>									
301	Organization	0	0	0	0	0	0	N/A	0
302	Franchises and Consents	0	0	0	0	0	0	N/A	0
303	Miscellaneous Intangible Plant	0	0	0	0	0	0	N/A	0
<b>SOURCE OF SUPPLY</b>									
310	Land and Land Rights	76,704	0	0	0	76,704	76,704	N/A	0
311	Structures and Improvements	102,785	0	38,500	0	141,285	122,035	3.20%	3,905
312	Collecting and Impounding Reservoirs	0	0	0	0	0	0	0.00%	0
313	Lake, River, and Other Intakes	0	0	0	0	0	0	0.00%	0
314	Wells and Springs	366,520	0	0	0	366,520	366,520	2.90%	10,629
316	Supply Mains	17,029	0	0	0	17,029	17,029	1.80%	307
317	Other Water Source Plant	0	0	0	0	0	0	0.00%	0
<b>PUMPING PLANT</b>									
320	Land and Land Rights	0	0	0	0	0	0	N/A	0
321	Structures and Improvements	58,639	0	0	0	58,639	58,639	3.20%	1,876
323	Other Power Production Equipment	0	0	0	0	0	0	0.00%	0
325	Electric Pumping Equipment	97,697	0	0	0	97,697	97,697	4.40%	4,299
326	Diesel Pumping Equipment	51,851	0	0	0	51,851	51,851	4.40%	2,281
328	Other Pumping Equipment	27,830	0	0	0	27,830	27,830	4.40%	1,225
<b>WATER TREATMENT PLANT</b>									
330	Land and Land Rights	0	0	0	0	0	0	N/A	0
331	Structures and Improvements	155,594	0	0	0	155,594	155,594	3.20%	4,979
332	Sand or Other Media Filtration Equipment	273,082	0	0	0	273,082	273,082	3.30%	9,012
333	Membrane Filtration Equipment	0	0	0	0	0	0	0.00%	0
334	Other Water Treatment Equipment	0	0	0	0	0	0	0.00%	0

**UTILITY FINANCED PLANT IN SERVICE AND DEPRECIATION EXPENSE**  
**TEST YEAR 2022**  
(continued)

<u>ACCT NO.</u>	<u>ACCOUNT DESCRIPTION</u>	<u>Balance</u>	<u>Major</u>	<u>Normal</u>	<u>Retirements</u>	<u>Balance</u>	<u>TEST YEAR</u>	<u>DEPRECIATION</u>	
		<u>12/31/2021</u>	<u>Additions</u>	<u>Additions</u>		<u>12/31/2022</u>	<u>RATE BASE</u>	<u>RATE</u>	<u>EXPENSE</u>
		<u>(\$)</u>	<u>(\$)</u>	<u>(\$)</u>	<u>(\$)</u>	<u>(\$)</u>	<u>(\$)</u>	<u>(%)</u>	<u>(\$)</u>
<b>TRANSMISSION &amp; DISTRIBUTION PLANT</b>									
340	Land and Land Rights	898	0	0	0	898	898	N/A	0
341	Structures and Improvements	0	0	0	0	0	0	0.00%	0
342	Distribution Reservoirs and Standpipes	504,482	2,587,366	0	0	3,091,848	3,091,848	1.90%	58,745
343	Transmission and Distribution Mains	9,259,319	0	1,173,439	98,070	10,334,688	9,797,003	1.30%	127,361
345	Services	1,216,678	0	204,034	8,440	1,412,272	1,314,475	2.90%	38,120
346	Meters	882,419	0	0	0	882,419	882,419	5.50%	24,266
348	Hydrants	982,672	0	153,701	8,200	1,128,173	1,055,423	2.20%	23,219
349	Other Transmission and Distribution Plant	0	0	0	0	0	0	0.00%	0
<b>GENERAL PLANT</b>									
389	Land and Land Rights	146,905	0	0	0	146,905	146,905	N/A	0
390	Structures and Improvements	102,032	0	300,000	0	402,032	252,032	2.90%	7,309
391	Office Furniture and Equipment	0	0	0	0	0	0	0.00%	0
391	Computer Equipment	23,150	0	0	0	23,150	23,150	26.70%	6,181
392	Transportation Equipment	137,347	0	0	0	137,347	137,347	13.30%	18,267
393	Stores Equipment	0	0	0	0	0	0	0.00%	0
394	Tools, Shop and Garage Equipment	0	0	0	0	0	0	0.00%	0
395	Laboratory Equipment	0	0	0	0	0	0	0.00%	0
396	Power Operated Equipment	431,706	0	0	0	431,706	431,706	7.50%	32,378
397	Communication Equipment	9,348	0	0	0	9,348	9,348	15.00%	1,402
397	SCADA Equipment	158,555	0	0	0	158,555	158,555	9.20%	14,587
398	Miscellaneous Equipment	78,676	0	0	0	78,676	78,676	5.80%	4,563
<b>TOTAL UTILITY FINANCED PLANT IN SERVICE</b>		<b>15,161,918</b>	<b>2,587,366</b>	<b>1,869,674</b>	<b>114,710</b>	<b>19,504,248</b>	<b>18,626,766</b>		<b>394,911</b>

Whitewater Municipal Water Utility

SYSTEM DEMAND RATIOS

MAXIMUM DAY SYSTEM DEMAND

TOTAL ANNUAL PUMPAGE 649,353,959 Gallons

AVERAGE DAILY PUMPAGE 1,779,052 Gallons

MAXIMUM DAY PUMPAGE 3,578,575 Gallons

FIRE FLOW:

GAL/MIN	4,000	
DURATION (HOURS)	4.00	
TOTAL FLOW	960,000	Gallons

AVERAGE DAY PLUS FIRE FLOW 2,739,052 Gallons

RATIO: BASE =  $\frac{1,779,052}{3,578,575}$  = 49.71%

MAX DAY = 100-BASE = 50.29%

MAXIMUM HOUR SYSTEM DEMAND

AVERAGE HOUR ON MAX DAY 149,107 Gallons

MAXIMUM HOUR PUMPAGE 222,381 Gallons

AVERAGE HOUR PLUS ONE HOUR FIRE FLOW 314,127 Gallons

RATIO: BASE =  $\frac{1,779,052}{7,539,052}$  = 23.60% Use 23.60%

MAX HOUR = 100-BASE = 76.40% Use 76.40%

**ALLOCATION OF UTILITY FINANCED PLANT  
TO SERVICE COST FUNCTIONS**

ACCT NO.	ACCOUNT DESCRIPTION	EXTRA-CAPACITY									CUSTOMER COSTS		
		TOTAL (\$)	BASE COSTS		MAX DAY		MAX HOUR			Billing (\$)	Equivalent Meter (\$)	Equivalent Service (\$)	Fire Protection (\$)
			System (\$)	Distribution (\$)	System (\$)	Distribution (\$)	System (\$)	Distribution (\$)	Storage (\$)				
<b>INTANGIBLE PLANT</b>													
301	Organization	0	0	0	0	0	0	0	0	0	0	0	0
302	Franchises and Consents	0	0	0	0	0	0	0	0	0	0	0	0
303	Miscellaneous Intangible Plant	0	0	0	0	0	0	0	0	0	0	0	0
<b>SOURCE OF SUPPLY</b>													
310	Land and Land Rights	76,704	38,133		38,571								
311	Structures and Improvements	122,035	60,668		61,367								
312	Collecting and Impounding Reservoirs	0	0		0								
313	Lake, River, and Other Intakes	0	0		0								
314	Wells and Springs	366,520	182,212		184,308								
316	Supply Mains	17,029	8,466		8,563								
317	Other Water Source Plant	0	0		0								
<b>PUMPING PLANT</b>													
320	Land and Land Rights	0	0		0								
321	Structures and Improvements	58,639	29,152		29,487								
323	Other Power Production Equipment	0	0		0								
325	Electric Pumping Equipment	97,697	48,569		49,128								
326	Diesel Pumping Equipment	51,851	25,777		26,074								
328	Other Pumping Equipment	27,830	13,835		13,995								
<b>WATER TREATMENT PLANT</b>													
330	Land and Land Rights	0	0		0								
331	Structures and Improvements	155,594	77,352		78,242								
332	Sand or Other Media Filtration Equipment	273,082	135,760		137,322								
333	Membrane Filtration Equipment	0	0		0								
334	Other Water Treatment Equipment	0	0		0								

**ALLOCATION OF UTILITY FINANCED PLANT  
TO SERVICE COST FUNCTIONS  
(continued)**

ACCT NO.	ACCOUNT DESCRIPTION	EXTRA-CAPACITY							CUSTOMER COSTS			Fire Protection (\$)	
		TOTAL (\$)	BASE COSTS		MAX DAY		MAX HOUR			Billing (\$)	Equivalent Meter (\$)		Equivalent Service (\$)
			System (\$)	Distribution (\$)	System (\$)	Distribution (\$)	System (\$)	Distribution (\$)	Storage (\$)				
<b>TRANSMISSION &amp; DISTRIBUTION PLANT</b>													
340	Land and Land Rights	898	76	112	35	0	0	363	131	0	49	73	59
341	Structures and Improvements	0	0	0	0	0	0	0	0	0	0	0	0
342	Distribution Reservoirs and Standpipes	3,091,848	729,609						2,362,239				
343	Transmission mains	1,267,567	630,158		637,409								
343	Distribution mains	8,529,436		2,012,761				6,516,675					
345	Services	1,314,475										1,314,475	
346	Meters	882,419								882,419			
348	Hydrants	1,055,423											1,055,423
349	Other Transmission and Distribution Plant	0	0	0	0	0	0	0	0	0	0	0	0
<b>GENERAL PLANT</b>													
389	Land and Land Rights	146,905	16,725	17,005	10,683	0	0	55,057	19,958	0	7,455	11,105	8,917
390	Structures and Improvements	252,032	28,694	29,174	18,327	0	0	94,456	34,240	0	12,790	19,053	15,298
391	Office Furniture and Equipment	0	0	0	0	0	0	0	0	0	0	0	0
391	Computer Equipment	23,150	2,636	2,680	1,683	0	0	8,676	3,145	0	1,175	1,750	1,405
392	Transportation Equipment	137,347	15,637	15,899	9,988	0	0	51,475	18,659	0	6,970	10,383	8,337
393	Stores Equipment	0	0	0	0	0	0	0	0	0	0	0	0
394	Tools, Shop and Garage Equipment	0	0	0	0	0	0	0	0	0	0	0	0
395	Laboratory Equipment	0	0	0	0	0	0	0	0	0	0	0	0
396	Power Operated Equipment	431,706	49,150	49,972	31,393	0	0	161,794	58,649	0	21,908	32,635	26,204
397	Communication Equipment	9,348	1,064	1,082	680	0	0	3,503	1,270	0	474	707	567
397	SCADA Equipment	158,555	18,052	18,354	11,530	0	0	59,423	21,540	0	8,046	11,986	9,624
398	Miscellaneous Equipment	78,676	8,957	9,107	5,721	0	0	29,486	10,688	0	3,993	5,948	4,775
	<b>TOTAL</b>	<b>18,626,766</b>	<b>2,120,682</b>	<b>2,156,145</b>	<b>1,354,507</b>	<b>0</b>	<b>0</b>	<b>6,980,907</b>	<b>2,530,520</b>	<b>0</b>	<b>945,280</b>	<b>1,408,115</b>	<b>1,130,609</b>

**ALLOCATION OF TOTAL PLANT  
TO SERVICE COST FUNCTIONS**

ACCT NO.	ACCOUNT DESCRIPTION	EXTRA-CAPACITY											
		TOTAL (\$)	BASE COSTS		MAX DAY			MAX HOUR			CUSTOMER COSTS		
			System (\$)	Distribution (\$)	System (\$)	Distribution (\$)	Storage (\$)	System (\$)	Distribution (\$)	Storage (\$)	Billing (\$)	Equivalent Meter (\$)	Equivalent Service (\$)
<b>INTANGIBLE PLANT</b>													
301	Organization	0	0	0	0	0	0	0	0	0	0	0	0
302	Franchises and Consents	0	0	0	0	0	0	0	0	0	0	0	0
303	Miscellaneous Intangible Plant	0	0	0	0	0	0	0	0	0	0	0	0
<b>SOURCE OF SUPPLY</b>													
310	Land and Land Rights	76,704	38,133			38,571							
311	Structures and Improvements	122,035	60,668			61,367							
312	Collecting and Impounding Reservoirs	0	0			0							
313	Lake, River, and Other Intakes	0	0			0							
314	Wells and Springs	585,549	291,100			294,449							
316	Supply Mains	17,029	8,466			8,563							
317	Other Water Source Plant	0	0			0							
<b>PUMPING PLANT</b>													
320	Land and Land Rights	0	0			0							
321	Structures and Improvements	463,697	230,522			233,175							
323	Other Power Production Equipment	0	0			0							
325	Electric Pumping Equipment	395,711	196,724			198,987							
326	Diesel Pumping Equipment	51,851	25,777			26,074							
328	Other Pumping Equipment	27,830	13,835			13,995							
<b>WATER TREATMENT PLANT</b>													
330	Land and Land Rights	0	0			0							
331	Structures and Improvements	370,874	184,376			186,498							
332	Sand or Other Media Filtration Equipment	1,087,868	540,822			547,046							
333	Membrane Filtration Equipment	0	0			0							
334	Other Water Treatment Equipment	0	0			0							

**ALLOCATION OF TOTAL PLANT  
TO SERVICE COST FUNCTIONS  
(continued)**

ACCT NO.	ACCOUNT DESCRIPTION	EXTRA-CAPACITY											
		TOTAL (\$)	BASE COSTS		MAX DAY		MAX HOUR			CUSTOMER COSTS			Fire Protection (\$)
			System (\$)	Distribution (\$)	System (\$)	Distribution (\$)	System (\$)	Distribution (\$)	Storage (\$)	Billing (\$)	Equivalent Meter (\$)	Equivalent Service (\$)	
<b>TRANSMISSION &amp; DISTRIBUTION PLANT</b>													
340	Land and Land Rights	898	60	121	26	0	0	393	111	0	36	86	64
341	Structures and Improvements	0	0	0	0	0	0	0	0	0	0	0	0
342	Distribution Reservoirs and Standpipes	3,519,482	830,521						2,688,961				
343	Transmission mains	1,267,567	630,158		637,409								
343	Distribution mains	12,460,688		2,940,451				9,520,237					
345	Services	2,075,040										2,075,040	
346	Meters	882,419									882,419		
348	Hydrants	1,539,296											1,539,296
349	Other Transmission and Distribution Plant	0	0	0	0	0	0	0	0	0	0	0	0
<b>GENERAL PLANT</b>													
389	Land and Land Rights	146,905	17,969	17,318	13,228	0	0	56,070	15,837	0	5,197	12,221	9,066
390	Structures and Improvements	252,032	30,828	29,711	22,695	0	0	96,194	27,170	0	8,916	20,966	15,553
391	Office Furniture and Equipment	0	0	0	0	0	0	0	0	0	0	0	0
391	Computer Equipment	23,150	2,832	2,729	2,085	0	0	8,836	2,496	0	819	1,926	1,429
392	Transportation Equipment	137,347	16,800	16,191	12,368	0	0	52,421	14,806	0	4,859	11,426	8,476
393	Stores Equipment	0	0	0	0	0	0	0	0	0	0	0	0
394	Tools, Shop and Garage Equipment	0	0	0	0	0	0	0	0	0	0	0	0
395	Laboratory Equipment	0	0	0	0	0	0	0	0	0	0	0	0
396	Power Operated Equipment	431,706	52,805	50,891	38,873	0	0	164,770	46,539	0	15,272	35,913	26,641
397	Communication Equipment	9,348	1,143	1,102	842	0	0	3,568	1,008	0	331	778	577
397	SCADA Equipment	158,555	19,394	18,691	14,277	0	0	60,516	17,093	0	5,609	13,190	9,785
398	Miscellaneous Equipment	78,676	9,623	9,275	7,084	0	0	30,028	8,481	0	2,783	6,545	4,855
	<b>TOTAL</b>	<b>26,182,257</b>	<b>3,202,559</b>	<b>3,086,480</b>	<b>2,357,612</b>	<b>0</b>	<b>0</b>	<b>9,993,033</b>	<b>2,822,501</b>	<b>0</b>	<b>926,242</b>	<b>2,178,091</b>	<b>1,615,741</b>

**ALLOCATION OF DEPRECIATION EXPENSE  
TO SERVICE COST FUNCTIONS**

ACCT NO.	ACCOUNT DESCRIPTION	EXTRA-CAPACITY											
		TOTAL (\$)	BASE COSTS		MAX DAY		MAX HOUR			CUSTOMER COSTS			Fire Protection (\$)
			System (\$)	Distribution (\$)	System (\$)	Distribution (\$)	System (\$)	Distribution (\$)	Storage (\$)	Billing (\$)	Equivalent Meter (\$)	Equivalent Service (\$)	
<b>INTANGIBLE PLANT</b>													
301	Organization	0	0	0	0	0	0	0	0	0	0	0	0
302	Franchises and Consents	0	0	0	0	0	0	0	0	0	0	0	0
303	Miscellaneous Intangible Plant	0	0	0	0	0	0	0	0	0	0	0	0
<b>SOURCE OF SUPPLY</b>													
310	Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0
311	Structures and Improvements	3,905	1,941	1,964	1,964	0	0	0	0	0	0	0	0
312	Collecting and Impounding Reservoirs	0	0	0	0	0	0	0	0	0	0	0	0
313	Lake, River, and Other Intakes	0	0	0	0	0	0	0	0	0	0	0	0
314	Wells and Springs	10,629	5,284	5,345	5,345	0	0	0	0	0	0	0	0
316	Supply Mains	307	153	154	154	0	0	0	0	0	0	0	0
317	Other Water Source Plant	0	0	0	0	0	0	0	0	0	0	0	0
<b>PUMPING PLANT</b>													
320	Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0
321	Structures and Improvements	1,876	933	943	943	0	0	0	0	0	0	0	0
323	Other Power Production Equipment	0	0	0	0	0	0	0	0	0	0	0	0
325	Electric Pumping Equipment	4,299	2,137	2,162	2,162	0	0	0	0	0	0	0	0
326	Diesel Pumping Equipment	2,281	1,134	1,147	1,147	0	0	0	0	0	0	0	0
328	Other Pumping Equipment	1,225	609	616	616	0	0	0	0	0	0	0	0
<b>WATER TREATMENT PLANT</b>													
330	Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0
331	Structures and Improvements	4,979	2,475	2,504	2,504	0	0	0	0	0	0	0	0
332	Sand or Other Media Filtration Equipment	9,012	4,480	4,532	4,532	0	0	0	0	0	0	0	0
333	Membrane Filtration Equipment	0	0	0	0	0	0	0	0	0	0	0	0
334	Other Water Treatment Equipment	0	0	0	0	0	0	0	0	0	0	0	0

**ALLOCATION OF DEPRECIATION EXPENSE  
TO SERVICE COST FUNCTIONS  
(continued)**

ACCT NO.	ACCOUNT DESCRIPTION	TOTAL (\$)	EXTRA-CAPACITY							CUSTOMER COSTS			Fire Protection (\$)
			BASE COSTS		MAX DAY		MAX HOUR			Billing (\$)	Equivalent Meter (\$)	Equivalent Service (\$)	
			System (\$)	Distribution (\$)	System (\$)	Distribution (\$)	System (\$)	Distribution (\$)	Storage (\$)				
<b>TRANSMISSION &amp; DISTRIBUTION PLANT</b>													
340	Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0
341	Structures and Improvements	0	0	0	0	0	0	0	0	0	0	0	0
342	Distribution Reservoirs and Standpipes	58,745	13,863					44,882					
343	Transmission mains	16,478	8,192		8,286								
343	Distribution mains	110,883		26,166			84,717						
345	Services	38,120										38,120	
346	Meters	24,266								24,266			
348	Hydrants	23,219											23,219
349	Other Transmission and Distribution Plant	0	0	0	0	0	0	0	0	0	0	0	0
<b>GENERAL PLANT</b>													
389	Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0
390	Structures and Improvements	7,309	971	616	652	0	1,996	1,057	0	572	898	547	
391	Office Furniture and Equipment	0	0	0	0	0	0	0	0	0	0	0	0
391	Computer Equipment	6,181	821	521	551	0	1,688	894	0	483	760	463	
392	Transportation Equipment	18,267	2,426	1,541	1,628	0	4,988	2,643	0	1,429	2,245	1,367	
393	Stores Equipment	0	0	0	0	0	0	0	0	0	0	0	0
394	Tools, Shop and Garage Equipment	0	0	0	0	0	0	0	0	0	0	0	0
395	Laboratory Equipment	0	0	0	0	0	0	0	0	0	0	0	0
396	Power Operated Equipment	32,378	4,300	2,731	2,886	0	8,842	4,684	0	2,533	3,979	2,423	
397	Communication Equipment	1,402	186	118	125	0	383	203	0	110	172	105	
397	SCADA Equipment	14,587	1,937	1,230	1,300	0	3,983	2,110	0	1,141	1,792	1,092	
398	Miscellaneous Equipment	4,563	606	385	407	0	1,246	660	0	357	561	342	
	<b>TOTAL</b>	<b>394,911</b>	<b>52,448</b>	<b>33,309</b>	<b>35,202</b>	<b>0</b>	<b>0</b>	<b>107,843</b>	<b>57,135</b>	<b>0</b>	<b>30,890</b>	<b>48,526</b>	<b>29,557</b>

**ALLOCATION OF OPERATION AND MAINTENANCE EXPENSES  
TO SERVICE COST FUNCTIONS**

ACCT NO.	ACCOUNT DESCRIPTION	TOTAL (\$)	EXTRA-CAPACITY						CUSTOMER COSTS					
			BASE COSTS		MAX DAY		MAX HOUR		Billing (\$)	Equivalent Meter (\$)	Equivalent Service (\$)	Fire Protection (\$)		
			System (\$)	Distribution (\$)	System (\$)	Distribution (\$)	System (\$)	Distribution (\$)					Storage (\$)	
<b>SOURCE OF SUPPLY</b>														
600	Operation labor	22,250	11,061		11,189									
601	Purchased water	0	0											0
602	Operation supplies and expenses	0	0		0									
605	Maintenance of water source plant	500	249		251									
<b>PUMPING EXPENSES</b>														
620	Operation labor	39,000	19,388		19,612									
621	Fuel for power production	0	0											
622	Fuel or power purchased for pumping	184,000	184,000											
623	Operation supplies and expenses	0	0		0									
625	Maintenance of pumping plant	65,000	32,314		32,686									
<b>WATER TREATMENT EXPENSES</b>														
630	Operation labor	23,400	11,633		11,767									
631	Chemicals	35,000	35,000											
632	Operation supplies and expenses	0	0		0									
635	Maintenance of water treatment plant	61,250	30,450		30,800									
<b>TRANSMISSION &amp; DISTRIBUTION EXPENSES</b>														
640	Operation labor	1,075	76	61	8	0	0	197	220	0	231	157	126	
641	Operation supplies and expenses	0	0	0	0	0	0	0	0	0	0	0	0	
650	Maintenance of distr. reservoirs	55,000	12,979						42,021					
651	Maintenance of transmission mains	2,937	1,460		1,477									
651	Maintenance of distribution mains	49,063		11,578				37,485						
652	Maintenance of services	30,000										30,000		
653	Maintenance of meters	44,000									44,000			
654	Maintenance of hydrants	24,000											24,000	
655	Maintenance of other plant	0	0	0	0	0	0	0	0	0	0	0	0	

**ALLOCATION OF OPERATION AND MAINTENANCE EXPENSES  
TO SERVICE COST FUNCTIONS  
(continued)**

ACCT NO.	ACCOUNT DESCRIPTION	TOTAL (\$)	EXTRA-CAPACITY						CUSTOMER COSTS			Fire Protection (\$)	
			BASE COSTS		MAX DAY		MAX HOUR		Billing (\$)	Equivalent Meter (\$)	Equivalent Service (\$)		
			System (\$)	Distribution (\$)	System (\$)	Distribution (\$)	System (\$)	Distribution (\$)					Storage (\$)
<b>CUSTOMER ACCOUNTS EXPENSES</b>													
901	Meter reading labor	750								750			
902	Accounting and collecting labor	38,500								38,500			
903	Supplies and expenses	19,000								19,000			
904	Uncollectible accounts	0								0			
906	Customer service and informational expense	0								0			
<b>SALES EXPENSES</b>													
910	Sales Expenses	0								0			
<b>ADMINISTRATIVE &amp; GENERAL EXPENSES</b>													
920	Administrative and general salaries	124,000	33,649	3,274	30,324	0	0	10,601	11,884	6,555	12,443	8,484	6,787
921	Office supplies and expenses	15,500	4,206	409	3,790	0	0	1,325	1,485	819	1,555	1,060	848
922	Administrative expenses transferred -- credit	0	0	0	0	0	0	0	0	0	0	0	0
923	Outside services employed	36,500	9,905	964	8,926	0	0	3,120	3,498	1,929	3,663	2,497	1,998
924	Property insurance	23,500	2,874	2,770	2,116	0	0	8,969	2,533	0	831	1,955	1,450
925	Injuries and damages	0	0	0	0	0	0	0	0	0	0	0	0
926	Employee pensions and benefits	203,120	55,119	5,363	49,672	0	0	17,365	19,466	10,737	20,383	13,897	11,118
928	Regulatory commission expenses	3,333	904	88	815	0	0	285	319	176	334	228	182
930	Miscellaneous general expenses	4,099	1,112	108	1,002	0	0	350	393	217	411	280	224
933	Transportation expenses	11,000	2,985	290	2,690	0	0	940	1,054	581	1,104	753	602
935	Maintenance of general plant	225,000	61,057	5,941	55,023	0	0	19,235	21,563	11,894	22,578	15,394	12,315
<b>TOTAL OPERATION &amp; MAINTENANCE EXPENSES</b>		<b>1,340,777</b>	<b>510,422</b>	<b>30,847</b>	<b>262,148</b>	<b>0</b>	<b>0</b>	<b>99,872</b>	<b>104,437</b>	<b>91,159</b>	<b>107,534</b>	<b>74,707</b>	<b>59,652</b>

**SUMMARY OF ALLOCATION OF OPERATING COSTS TO SERVICE COST FUNCTIONS**

<u>OPERATING COST</u>	EXTRA-CAPACITY											
	TOTAL (\$)	BASE COSTS		MAX DAY			MAX HOUR		CUSTOMER COSTS			Fire Protection (\$)
		System (\$)	Distribution (\$)	System (\$)	Distribution (\$)	Storage (\$)	System (\$)	Distribution (\$)	Billing (\$)	Equivalent Meter (\$)	Equivalent Service (\$)	
OPERATION AND MAINTENANCE	1,340,777	510,422	30,847	262,148	0	0	99,872	104,437	91,159	107,534	74,707	59,652
DEPRECIATION EXPENSE	394,911	52,448	33,309	35,202	0	0	107,843	57,135	0	30,890	48,526	29,557
AMORTIZATION EXPENSE	0	0	0	0	0	0	0	0	0	0	0	0
TAXES AND TAX EQUIVALENT	441,552	54,010	52,052	39,760	0	0	168,528	47,600	0	15,621	36,733	27,249
RETURN ON NET INVESTMENT RATE BASE	912,857	103,930	105,668	66,381	0	0	342,119	124,015	0	46,326	69,009	55,409
<b>TOTAL</b>	<b>3,090,097</b>	<b>720,810</b>	<b>221,876</b>	<b>403,491</b>	<b>0</b>	<b>0</b>	<b>718,363</b>	<b>333,187</b>	<b>91,159</b>	<b>200,371</b>	<b>228,974</b>	<b>171,866</b>

**CUSTOMER CLASS DEMAND RATIOS**

CUSTOMER CLASS	BASE COSTS					EXTRA-CAPACITY MAX DAY DEMAND					EXTRA-CAPACITY MAX HOUR DEMAND					
	Annual Volume 1,000 Mgal	Average Day Volume Gal	Percent (%)	System Adjusted Percent (%)	Distribution Adjusted Percent (%)	Extra Capacity Ratio	Volume Rate Gal Per Day	Percent (%)	System Adjusted Percent (%)	Distribution Adjusted Percent (%)	Extra Capacity Ratio	Volume Rate Gal Per Hour	Percent (%)	System Adjusted Percent (%)	Distribution Adjusted Percent (%)	Storage Adjusted Percent (%)
<b>Residential</b>	130,750	358,219	22.23%	22.23%	22.23%	2.40	859,726	23.95%	23.95%	23.95%	5.05	75,375	16.30%	16.95%	16.95%	16.30%
<b>Multifamily Residential</b>	53,400	146,301	9.08%	9.08%	9.08%	2.15	314,548	8.76%	8.76%	8.76%	4.50	27,432	5.93%	6.17%	6.17%	5.93%
<b>Commercial</b>	27,325	74,863	4.65%	4.65%	4.65%	1.90	142,240	3.96%	3.96%	3.96%	3.95	12,321	2.66%	2.77%	2.77%	2.66%
<b>Industrial</b>	300,175	822,397	51.03%	51.03%	51.03%	1.15	945,757	26.34%	26.34%	26.34%	2.20	75,386	16.30%	16.95%	16.95%	16.30%
<b>Public Authority</b>	70,650	193,562	12.01%	12.01%	12.01%	1.90	367,767	10.24%	10.24%	10.24%	3.95	31,857	6.89%	7.16%	7.16%	6.89%
<b>Public Fire Protection</b>	5,882	16,115	1.00%	1.00%	1.00%		960,000	26.74%	26.74%	26.74%		240,000	51.91%	50.00%	50.00%	51.91%
<b>TOTALS</b>	<b>588,182</b>	<b>1,611,457</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>		<b>3,590,038</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>		<b>462,371</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>

50%      50%      <-- Public Fire % Limits -->      50%      50%      80%

Maximum Day Demand = 4,225,380 (GAL/DAY)      SUM OF GENERAL SERVICE AVERAGE AND MAXIMUM DAY EXTRA CAPACITY DEMAND

Maximum Hour Demand = 288,844 (GAL/HR)      SUM OF GENERAL SERVICE AVERAGE AND MAXIMUM HOUR EXTRA CAPACITY DEMAND

1.18 = NON-COINCIDENT / COINCIDENT RATIO FOR MAX DAY

1.30 = NON-COINCIDENT / COINCIDENT RATIO FOR MAX HOUR

**CUSTOMER CLASS ALLOCATION FACTORS**

**NUMBER OF METERS**

Meter size (inches):	NUMBER OF METERS												TOTAL		
	5/8	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4	6	8	10	12	METERS	PERCENT
Residential	0	3,206	17	0	0	0	0	0	0	0	0	0	0	3,223	85%
Multifamily Residential	0	5	27	0	55	14	0	3	0	0	0	0	0	104	3%
Commercial	0	240	46	0	17	11	0	1	0	0	0	0	0	315	8%
Industrial	0	10	10	0	11	4	0	2	1	0	1	0	0	39	1%
Public Authority	0	17	12	0	17	21	0	20	6	0	0	0	0	93	2%
<b>TOTALS</b>	<b>0</b>	<b>3,478</b>	<b>112</b>	<b>0</b>	<b>100</b>	<b>50</b>	<b>0</b>	<b>26</b>	<b>7</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>3,774</b>	<b>100%</b>

**EQUIVALENT METERS**

ALLOCATION FACTOR: Meter size (inches): Equiv. meters ratio:	EQUIVALENT METERS												TOTAL		
	5/8	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4	6	8	10	12	EQUIV. METERS	PERCENT
	1.0	1.0	2.5	3.7	5.0	8.0	12.5	15.0	25.0	50.0	80.0	120.0	160.0		
Residential	0	3,206	43	0	0	0	0	0	0	0	0	0	0	3,249	61%
Multifamily Residential	0	5	68	0	275	112	0	45	0	0	0	0	0	505	10%
Commercial	0	240	115	0	85	88	0	15	0	0	0	0	0	543	10%
Industrial	0	10	25	0	55	32	0	30	25	0	80	0	0	257	5%
Public Authority	0	17	30	0	85	168	0	300	150	0	0	0	0	750	14%
<b>TOTALS</b>	<b>0</b>	<b>3,478</b>	<b>280</b>	<b>0</b>	<b>500</b>	<b>400</b>	<b>0</b>	<b>390</b>	<b>175</b>	<b>0</b>	<b>80</b>	<b>0</b>	<b>0</b>	<b>5,303</b>	<b>100%</b>

**EQUIVALENT SERVICES**

ALLOCATION FACTOR: Meter size (inches): Equiv. services ratio:	EQUIVALENT SERVICES												TOTAL		
	5/8	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4	6	8	10	12	EQUIV. SERVICES	PERCENT
	1.0	1.0	1.3	1.7	2.0	3.0	3.5	4.0	5.0	6.0	7.0	8.0	9.0		
Residential	0	3,206	22	0	0	0	0	0	0	0	0	0	0	3,228	78%
Multifamily Residential	0	5	35	0	110	42	0	12	0	0	0	0	0	204	5%
Commercial	0	240	60	0	34	33	0	4	0	0	0	0	0	371	9%
Industrial	0	10	13	0	22	12	0	8	5	0	7	0	0	77	2%
Public Authority	0	17	16	0	34	63	0	80	30	0	0	0	0	240	6%
<b>TOTALS</b>	<b>0</b>	<b>3,478</b>	<b>146</b>	<b>0</b>	<b>200</b>	<b>150</b>	<b>0</b>	<b>104</b>	<b>35</b>	<b>0</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>4,120</b>	<b>100%</b>

**ALLOCATION OF SERVICE COST FUNCTIONS TO CUSTOMER CLASSES**

	<b>TOTAL</b>	<b>Residential</b>	<b>Multifamily Residential</b>	<b>Commercial</b>	<b>Industrial</b>	<b>Public Authority</b>	<b>Public Fire Protection</b>
	<b>(\$)</b>	<b>(\$)</b>	<b>(\$)</b>	<b>(\$)</b>	<b>(\$)</b>	<b>(\$)</b>	<b>(\$)</b>
<b>BASE COSTS:</b>							
<b>SYSTEM</b>	720,810	160,233	65,441	33,486	367,861	86,581	7,208
<b>DISTRIBUTION</b>	221,876	49,322	20,144	10,308	113,233	26,651	2,219
<b>EXTRA-CAPACITY COSTS:</b>							
<b>MAXIMUM-DAY SYSTEM</b>	403,491	96,626	35,353	15,987	106,295	41,334	107,896
<b>MAXIMUM-DAY DISTRIBUTION</b>	0	0	0	0	0	0	0
<b>MAXIMUM-HOUR SYSTEM</b>	0	0	0	0	0	0	0
<b>MAXIMUM-HOUR DISTRIBUTION</b>	718,363	121,749	44,308	19,902	121,767	51,456	359,181
<b>MAXIMUM-HOUR STORAGE</b>	333,187	54,316	19,767	8,879	54,324	22,956	172,945
<b>CUSTOMER COSTS:</b>							
<b>BILLING</b>	91,159	77,850	2,512	7,609	942	2,246	
<b>EQUIVALENT METERS</b>	200,371	122,743	19,062	20,517	9,711	28,338	
<b>EQUIVALENT SERVICES</b>	228,974	179,423	11,344	20,610	4,280	13,317	
<b>FIRE PROTECTION</b>	171,866						171,866
<b>TOTAL COST</b>	3,090,097	862,261	217,931	137,296	778,412	272,880	821,316
<b>LESS OTHER REVENUE</b>	117,132	24,514	6,196	3,903	22,130	7,758	52,632
<b>COST OF SERVICE</b>	2,972,965	837,747	211,736	133,393	756,282	265,123	768,684
<b>REVENUE AT PRESENT RATES</b>	2,285,589	682,207	160,123	110,146	594,391	205,103	533,619
<b>DIFFERENCE</b>	687,376	155,540	51,613	23,247	161,891	60,020	235,065
<b>PERCENT INCREASE/DECREASE</b>	<b>30.07%</b>	<b>22.80%</b>	<b>32.23%</b>	<b>21.11%</b>	<b>27.24%</b>	<b>29.26%</b>	<b>44.05%</b>

**Whitewater Municipal Water Utility**  
**Comparison of Revenue**  
**at**  
**Present Rates, Cost of Service and Proposed Rates**

<u>Customer Class</u>	<u>Revenue at Present Rates</u>	<u>Cost of Service</u>		<u>Proposed Rates</u>		
		<u>Revenue Required</u>	<u>Increase over Present Rates</u>	<u>Revenue</u>	<u>Increase over Present Rates</u>	<u>Percent of Cost of Service</u>
Residential	\$682,207	\$837,747	22.80%	\$837,804	22.81%	100.01%
Multifamily Residential	\$160,123	\$211,736	32.23%	\$203,293	26.96%	96.01%
Commercial	\$110,146	\$133,393	21.11%	\$136,567	23.99%	102.38%
Industrial	\$594,391	\$756,282	27.24%	\$767,505	29.12%	101.48%
Public Authority	\$205,103	\$265,123	29.26%	\$259,586	26.56%	97.91%
Public Fire Protection	<u>\$533,619</u>	<u>\$768,684</u>	44.05%	<u>\$768,684</u>	44.05%	100.00%
<b>Total</b>	<u><u>\$2,285,589</u></u>	<u><u>\$2,972,965</u></u>	<u><u>30.07%</u></u>	<u><u>\$2,973,439</u></u>	<u><u>30.10%</u></u>	<u><u>100.02%</u></u>

**Whitewater Municipal Water Utility**

**Proposed Water Rates and Rules**

Docket 6520-WR-106

**Whitewater Municipal Water Utility**

**Water Rate File Changes**

**Amended**

F-1  
Upf-1  
Mg-1R  
Mg-1MF  
Mg-1NR  
Am-1  
OC-1  
Mpa-1  
Ug-1  
Sg-1  
BW-1  
R-1  
Cz-1  
X-1  
X-2  
X-3

**Public Service Commission of Wisconsin**

**Whitewater Municipal Water Utility**

**Public Fire Protection Service**

Public fire protection service shall include the use of hydrants for fire protection service only and such quantities of water as may be demanded for the purpose of extinguishing fires within the service area. This service shall also include water used for testing equipment and training personnel. For all other purposes, the metered or other rates set forth, or as may be filed with the Public Service Commission shall apply.

Under Wis. Stat. § 196.03(3)(b), the municipality has chosen to have the utility bill the retail general service customers for public fire protection service.

Monthly Public Fire Protection Service Charges:

5/8 - inch meter:	\$ 12.08	3 - inch meter:	\$ 181.00
3/4 - inch meter:	\$ 12.08	4 - inch meter:	\$ 302.00
1 - inch meter:	\$ 30.15	6 - inch meter:	\$ 604.00
1 1/4 - inch meter:	\$ 44.68	8 - inch meter:	\$ 966.00
1 1/2 - inch meter:	\$ 60.30	10 - inch meter:	\$ 1,450.00
2 - inch meter:	\$ 97.00	12 - inch meter:	\$ 1,933.00

Customers who are provided service under Schedules Mg-1R, Mg-1MF, Mg-1NR, Ug-1, or Sg-1 shall also be subject to the charges in this schedule according to the size of their primary meter. Customers who are provided service under Schedule Am-1 are exempt from these charges for any additional meters.

Billing: Same as Schedule Mg-1R.

**Public Service Commission of Wisconsin**

**Whitewater Municipal Water Utility**

**Private Fire Protection Service - Unmetered**

This service shall consist of permanent or continuous unmetered connections to the main for the purpose of supplying water to private fire protection systems such as automatic sprinkler systems, standpipes, and private hydrants. This service shall also include reasonable quantities of water used for testing check valves and other backflow prevention devices.

Monthly Private Fire Protection Service Demand Charges:

2 - inch or smaller connection:	\$	12.00
3 - inch connection:	\$	22.00
4 - inch connection:	\$	36.00
6 - inch connection:	\$	72.00
8 - inch connection:	\$	116.00
10 - inch connection:	\$	174.00
12 - inch connection:	\$	232.00
14 - inch connection:	\$	298.00
16 - inch connection:	\$	348.00

Billing: Same as Schedule Mg-1R.

**Public Service Commission of Wisconsin**

**Whitewater Municipal Water Utility**

**General Service – Metered - Residential**

Monthly Service Charges:

5/8 - inch meter:	\$ 9.80	3 - inch meter:	\$ 68.00
3/4 - inch meter:	\$ 9.80	4 - inch meter:	\$ 104.00
1 - inch meter:	\$ 15.90	6 - inch meter:	\$ 188.00
1 1/4 - inch meter:	\$ 21.55	8 - inch meter:	\$ 286.00
1 1/2 - inch meter:	\$ 27.05	10 - inch meter:	\$ 417.00
2 - inch meter:	\$ 41.00	12 - inch meter:	\$ 547.00

Plus Volume Charges:

First 2,000 gallons used each month:	\$2.98 per 1,000 gallons
Over 2,000 gallons used each month:	\$3.98 per 1,000 gallons

**Billing:** Bills for water service are rendered monthly and become due and payable upon issuance following the period for which service is rendered. A late payment charge of 3 percent but not less than 50 cents will be added to bills not paid within 20 days of issuance. This ONE-TIME 3 percent late payment charge will be applied only to any unpaid balance for the current billing period's usage. This late payment charge is applicable to all customers. The utility customer may be given a written notice that the bill is overdue no sooner than 20 days after the bill is issued and unless payment or satisfactory arrangement for payment is made within the next 10 days, service may be disconnected pursuant to Wis. Admin. Code ch. PSC 185.

**Combined Metering:** Volumetric meter readings will be combined for billing if the utility for its own convenience places more than one meter on a single water service lateral. Multiple meters placed for the purpose of identifying water not discharged into the sanitary sewer are not considered for utility convenience and shall not be combined for billing. This requirement does not preclude the utility from combining readings when metering configurations support such an approach. Meter readings from individually metered separate service laterals shall not be combined for billing purposes.

**Residential Class** includes single-family homes, duplexes, and individually-metered condominiums, apartment buildings, and mobile home parks.

**Public Service Commission of Wisconsin**

**Whitewater Municipal Water Utility**

**General Service – Metered – Multifamily Residential**

Monthly Service Charges:

5/8 - inch meter:	\$ 9.80	3 - inch meter:	\$ 68.00
3/4 - inch meter:	\$ 9.80	4 - inch meter:	\$ 104.00
1 - inch meter:	\$ 15.90	6 - inch meter:	\$ 188.00
1 1/4 - inch meter:	\$ 21.55	8 - inch meter:	\$ 286.00
1 1/2 - inch meter:	\$ 27.05	10 - inch meter:	\$ 417.00
2 - inch meter:	\$ 41.00	12 - inch meter:	\$ 547.00

Plus Volume Charges:

First	400,000	gallons used each month:	\$3.26 per 1,000 gallons
Over	400,000	gallons used each month:	\$2.46 per 1,000 gallons

**Billing:** Bills for water service are rendered monthly and become due and payable upon issuance following the period for which service is rendered. A late payment charge of 3 percent but not less than 50 cents will be added to bills not paid within 20 days of issuance. This ONE-TIME 3 percent late payment charge will be applied only to any unpaid balance for the current billing period's usage. This late payment charge is applicable to all customers. The utility customer may be given a written notice that the bill is overdue no sooner than 20 days after the bill is issued and unless payment or satisfactory arrangement for payment is made within the next 10 days, service may be disconnected pursuant to Wis. Admin. Code ch. PSC 185.

**Combined Metering:** Volumetric meter readings will be combined for billing if the utility for its own convenience places more than one meter on a single water service lateral. Multiple meters placed for the purpose of identifying water not discharged into the sanitary sewer are not considered for utility convenience and shall not be combined for billing. This requirement does not preclude the utility from combining readings when metering configurations support such an approach. Meter readings from individually metered separate service laterals shall not be combined for billing purposes.

**Multifamily Residential Class** includes master-metered multifamily dwelling units such as condominiums, apartment buildings, and mobile home parks.

**Public Service Commission of Wisconsin**

**Whitewater Municipal Water Utility**

**General Service – Metered - Nonresidential**

Monthly Service Charges:

5/8 - inch meter:	\$ 9.80	3 - inch meter:	\$ 68.00
3/4 - inch meter:	\$ 9.80	4 - inch meter:	\$ 104.00
1 - inch meter:	\$ 15.90	6 - inch meter:	\$ 188.00
1 1/4 - inch meter:	\$ 21.55	8 - inch meter:	\$ 286.00
1 1/2 - inch meter:	\$ 27.05	10 - inch meter:	\$ 417.00
2 - inch meter:	\$ 41.00	12 - inch meter:	\$ 547.00

Plus Volume Charges:

First	400,000	gallons used each month:	\$3.26 per 1,000 gallons
Over	400,000	gallons used each month:	\$2.46 per 1,000 gallons

**Billing:** Bills for water service are rendered monthly and become due and payable upon issuance following the period for which service is rendered. A late payment charge of 3 percent but not less than 50 cents will be added to bills not paid within 20 days of issuance. This ONE-TIME 3 percent late payment charge will be applied only to any unpaid balance for the current billing period's usage. This late payment charge is applicable to all customers. The utility customer may be given a written notice that the bill is overdue no sooner than 20 days after the bill is issued and unless payment or satisfactory arrangement for payment is made within the next 10 days, service may be disconnected pursuant to Wis. Admin. Code ch. PSC 185.

**Combined Metering:** Volumetric meter readings will be combined for billing if the utility for its own convenience places more than one meter on a single water service lateral. Multiple meters placed for the purpose of identifying water not discharged into the sanitary sewer are not considered for utility convenience and shall not be combined for billing. This requirement does not preclude the utility from combining readings when metering configurations support such an approach. Meter readings from individually metered separate service laterals shall not be combined for billing purposes.

**Nonresidential Class** includes commercial, industrial, and public authority customers. Commercial customers include business entities and institutions, except governmental entities, that provide goods or services. Churches and parochial schools are not governmental and are classified as commercial. Industrial customers include customers who are engaged in the manufacture or production of goods. Public Authority customers include any department, agency, or entity of local, state, or federal government, including public schools, colleges, and universities.

**Public Service Commission of Wisconsin**

**Whitewater Municipal Water Utility**

**Additional Meter Rental Charge**

Upon request, the utility shall furnish and install additional meters to:

- A. Water service customers for the purpose of measuring the volume of water used that is not discharged into the sanitary sewer system; and
- B. Sewerage service customers who are not customers of the water utility for the purpose of determining the volume of sewage that is discharged into the sanitary sewer system.

The utility shall charge a meter installation charge of \$35.00 and a monthly rental fee for the use of this additional meter.

Monthly Additional Meter Rental Charges:

5/8 - inch meter:	\$	4.90
3/4 - inch meter:	\$	4.90
1 - inch meter:	\$	7.95
1 1/4 - inch meter:	\$	10.78
1 1/2 - inch meter:	\$	13.53
2 - inch meter:	\$	20.50

This schedule applies only if the additional meter is installed on the same service lateral as the primary meter and either:

- A. The additional meter is 3/4-inch or smaller if the metering configuration is the Addition Method; or
- B. The additional meter is 2-inch or smaller for all other metering configurations.

If the additional meter is larger than 2-inch or larger than 3/4-inch and installed in the Addition Method, each meter shall be treated as a separate account and Schedule Mg-1R rates shall apply.

Billing: Same as Schedule Mg-1R.

**Public Service Commission of Wisconsin**

**Whitewater Municipal Water Utility**

<b>Other Charges</b>
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Payment Not Honored by Financial Institution Charge: The utility shall assess a \$25.00 charge when a payment rendered for utility service is not honored by the customer's financial institution. This charge may not be in addition to, but may be inclusive of, other such charges when the payment was for multiple services.

Billing: Same as Schedule Mg-1R.

**Public Service Commission of Wisconsin**

**Whitewater Municipal Water Utility**

<b>Public Service</b>
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Metered Service

Water used by the City of Whitewater on an intermittent basis for flushing sewers, street washing, flooding skating rinks, drinking fountains, etc., shall be metered and billed according to the rates set forth in Schedule Mg-1NR.

Unmetered Service

Where it is impossible to meter the service, the utility shall estimate the volume of water used based on the pressure, size of opening, and the period of time the water is used. The estimated quantity shall be billed at the volumetric rates set forth in Schedule Mg-1NR, excluding any service charges.

Billing: Same as Schedule Mg-1NR.

**Public Service Commission of Wisconsin**

**Whitewater Municipal Water Utility**

**General Water Service - Unmetered**

Service may be supplied temporarily on an unmetered basis where the utility cannot immediately install a water meter, including water used for construction. Unmetered service shall be billed the amount that would be charged to a metered residential customer using 3,000 gallons of water monthly under Schedule Mg-1R, including the service charge for a 5/8-inch meter. If the utility determines that actual usage exceeds 3,000 gallons of water monthly, an additional charge for the estimated excess usage shall be made according to the rates under Schedule Mg-1R.

This schedule applies only to customers with a 1-inch or smaller service connection. For customers with a larger service connection, the utility shall install a temporary meter and charges shall be based on the rates set forth under Schedule Mg-1R.

Billing: Same as Schedule Mg-1R.

**Public Service Commission of Wisconsin**

**Whitewater Municipal Water Utility**

<b>Seasonal Service</b>
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Seasonal customers are general service customers who voluntarily request disconnection of water service and who resume service at the same location within 12 months of the disconnection, unless service has been provided to another customer at that location in the intervening period. The utility shall bill seasonal customers the applicable service charges under Schedules Mg-1R, Mg-1MF, or Mg-1NR year-round, including the period of temporary disconnection.

Seasonal service shall include customers taking service under Schedules Mg-1R, Mg-1MF, Mg-1NR, Schedule Ug-1, or Schedule Am-1.

Upon reconnection, the utility shall apply a charge under Schedule R-1 and require payment of any unpaid charges under this schedule.

Billing: Same as Schedule Mg-1R, unless the utility and customer agree to an alternative payment schedule for the period of voluntary disconnection.

**Public Service Commission of Wisconsin**

**Whitewater Municipal Water Utility**

**Bulk Water**

All bulk water supplied from the water system through hydrants or other connections shall be metered or estimated by the utility. Utility personnel or a party approved by the utility shall supervise the delivery of water.

Bulk water sales are:

- A. Water supplied by tank trucks or from hydrants for the purpose of extinguishing fires outside the utility's service area;
- B. Water supplied by tank trucks or from hydrants for purposes other than extinguishing fires, such as water used for irrigation or filling swimming pools; or,
- C. Water supplied from hydrants or other temporary connections for general service type applications, except that Schedule Ug-1 applies for water supplied for construction purposes.

A service charge of \$35.00 and a charge for the volume of water used shall be billed to the party using the water. The volumetric charge shall be calculated using the highest volumetric rate for residential customers under Schedule Mg-1R. In addition, for meters that are assigned to bulk water customers for more than 7 days, the applicable service charge in Schedule Mg-1R will apply after the first 7 days.

The water utility may require a reasonable deposit for the temporary use of its equipment under this and other rate schedules. The deposit(s) collected shall be refunded upon return of the utility's equipment. Damaged or lost equipment shall be repaired or replaced at the customer's expense.

Billing: Same as Schedule Mg-1R.

**Public Service Commission of Wisconsin**

**Whitewater Municipal Water Utility**

<b>Reconnection Charges</b>
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The utility shall assess a charge to reconnect a customer, which includes reinstalling a meter and turning on the valve at the curb stop, if necessary. A utility may not assess a charge for disconnecting a customer.

During normal business hours: \$35.00

After normal business hours: \$80.00

Billing: Same as Schedule Mg-1R.

**Public Service Commission of Wisconsin**

**Whitewater Municipal Water Utility**

<b>Water Lateral Installation Charge</b>
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The utility shall charge a customer for the actual cost of installing a water service lateral from the main through curb stop and box if these costs are not contributed as part of a subdivision development or otherwise recovered under Wis. Stats. Chapter 66.

Billing: Same as Schedule Mg-1R.

**Public Service Commission of Wisconsin**

**Whitewater Municipal Water Utility**

**Water Utility Operating Rules**

Compliance with Rules

All persons now receiving water service from this water utility, or who may request service in the future, shall be considered as having agreed to be bound by the rules and regulations as filed with the Public Service Commission of Wisconsin.

Establishment of Service

Application for water service may be made in writing on a form furnished by the water utility. The application will contain the legal description of the property to be served, the name of the owner, the exact use to be made of the service, and the size of the service lateral and meter desired. Note particularly any special refrigeration, fire protection, or water-consuming air-conditioning equipment.

Service will be furnished only if (1) the premises have a frontage on a properly platted street or public strip in which a cast iron or other long-life water main has been laid, or where the property owner has agreed to and complied with the provisions of the water utility's filed main extension rule, (2) the property owner has installed or agrees to install a service lateral from the curb stop to the point of use that is not less than 6 feet below the surface of an established or proposed grade and meets the water utility's specifications, and (3) the premises have adequate piping beyond the metering point.

The owner of a multi-unit dwelling has the option of being served by individual metered water service to each unit. The owner, by selecting this option, is required to provide interior plumbing and meter settings to enable individual metered service to each unit and individual disconnection without affecting service to other units. Each meter and meter connection will be treated as a separate water utility account for the purpose of the filed rules and regulations.

No division of the water service lateral to any lot or parcel of land shall be made for the extension and independent metering of the supply to an adjoining lot or parcel of land. Except for duplexes, no division of a water service lateral shall be made at the curb for separate supplies for two or more separate premises having frontage on any street or public service strip, whether owned by the same or different parties. Duplexes may be served by one lateral provided (1) individual metered service and disconnection is provided and (2) it is permitted by local ordinance.

Buildings used in the same business, located on the same parcel, and served by a single lateral may have the customer's water supply piping installed to a central point so that volume can be metered in one place.

The water utility may withhold approval of any application where full information of the purpose of such supply is not clearly indicated and set forth by the applicant property owner.

**Public Service Commission of Wisconsin**

**Whitewater Municipal Water Utility**

**Water Utility Operating Rules**

Reconnection of Service

Where the water utility has disconnected service at the customer's request, a reconnection charge shall be made when the customer requests reconnection of service. See Schedule R-1 for the applicable rate.

A reconnection charge shall also be required from customers whose services are disconnected (shut off at curb stop box) because of nonpayment of bills when due. See Schedule R-1 for the applicable rate.

If reconnection is requested for the same location by any member of the same household, or, if a place of business, by any partner of the same business, it shall be considered as the same customer.

Temporary Metered Service, Meter, and Deposits

An applicant for temporary water service on a metered basis shall make and maintain a monetary deposit for each meter installed as security for payment for use of water and for such other charges which may arise from the use of the supply. A charge shall be made for setting the valve and furnishing and setting the meter. See Schedule BW-1 for the applicable rate.

Water for Construction

When water is requested for construction purposes or for filling tanks or other such uses, an application shall be made to the water utility, in writing, giving a statement of the amount of construction work to be done or the size of the tank to be filled, etc. Payment for the water for construction may be required in advance at the scheduled rates. The service lateral must be installed into the building before water can be used. No connection with the service lateral at the curb shall be made without special permission from the water utility. In no case will any employee of the water utility turn on water for construction work unless the contractor has obtained permission from the water utility.

Customers shall not allow contractors, masons, or other persons to take unmetered water from their premises without permission from the water utility. Any customer failing to comply with this provision may have water service discontinued and will be responsible for the cost of the estimated volume of water used.

**Public Service Commission of Wisconsin**

**Whitewater Municipal Water Utility**

**Water Utility Operating Rules**

Use of Hydrants

In cases where no other supply is available, permission may be granted by the water utility to use a hydrant. No hydrant shall be used until the proper meter and valve are installed. In no case shall any valve be installed or moved except by an employee of the water utility.

Before a valve is set, payment must be made for its setting and for the water to be used at the scheduled rates. Where applicable, see Schedule BW-1 for deposits and charges. Upon completing the use of the hydrant, the customer must notify the water utility to that effect.

Operation of Valves and Hydrants and Unauthorized Use of Water - Penalty

Any person who shall, without authority of the water utility, allow contractors, masons, or other unauthorized persons to take water from their premises, operate any valve connected with the street or supply mains, or open any fire hydrant connected with the distribution system, except for the purpose of extinguishing fire, or who shall wantonly damage or impair the same, shall be subject to a fine as provided by municipal ordinance. Utility permission for the use of hydrants applies only to such hydrants that are designated for the specific use.

Refunds of Monetary Deposits

All money deposited as security for payment of charges arising from the use of temporary water service on a metered basis, or for the return of a hydrant valve and fixtures if the water is used on an unmetered basis, will be refunded to the depositor on the termination of the use of water, the payment of all charges levied against the depositor, and the return of the water utility's equipment.

Service Laterals

No water service lateral shall be laid through any trench having cinders, rubbish, rock or gravel fill, or any other material which may cause injury to or disintegration of the service lateral, unless adequate means of protection are provided by sand filling or such other insulation as may be approved by the water utility. Service laterals passing through curb or retaining walls shall be adequately safeguarded by provision of a channel space or pipe casing not less than twice the diameter of the service connection. The space between the service lateral and the channel or pipe casing shall be filled and lightly caulked with an oakum, mastic cement, or other resilient material and made impervious to moisture.

In backfilling the pipe trench, the service lateral must be protected against injury by carefully hand tamping the ground filling around the pipe. There should be at least 6 inches of ground filling over the pipe, and it should be free from hard lumps, rocks, stones, or other injurious material.

**Public Service Commission of Wisconsin**

**Whitewater Municipal Water Utility**

**Water Utility Operating Rules**

Service Laterals (continued)

All water service laterals shall be of undiminished size from the street main into the point of meter placement. Beyond the meter outlet valve, the piping shall be sized and proportioned to provide, on all floors, at all times, an equitable distribution of the water supply for the greatest probable number of fixtures or appliances operating simultaneously.

Replacement and Repair of Service Laterals

The service lateral from the main to and through the curb stop will be maintained and kept in repair and, when worn out, replaced at the expense of the water utility. The property owner shall maintain the service lateral from the curb stop to the point of use.

If an owner fails to repair a leaking or broken service lateral from the curb to the point of metering or use within such time as may appear reasonable to the water utility after notification has been served on the owner by the water utility, the water will be shut off and will not be turned on again until the repairs have been completed.

Abandonment of Service

If a property owner changes the use of a property currently receiving water service such that water service will no longer be needed in the future, the water utility may require the abandonment of the water service at the water main. In such case, the property owner may be responsible for all removal and/or repair costs, including the water main and the utility portion of the water service lateral.

Charges for Water Wasted Due to Leaks

See Wis. Admin. Code § PSC 185.35 or Schedule X-4, if applicable.

Thawing Frozen Service Laterals

See Wis. Admin. Code § PSC 185.88 or Schedule X-4, if applicable.

Curb Stop Boxes

The curb stop box is the property of the water utility. The water utility is responsible for its repair and maintenance. This includes maintaining, through adjustment, the curb stop box at an appropriate grade level where no direct action by the property owner or occupant has contributed to an elevation problem. The property owner is responsible for protecting the curb stop box from situations that could obstruct access to it or unduly expose it to harm. The water utility shall not be liable for failure to locate the curb stop box and shut off the water in case of a leak on the owner's premises.

**Public Service Commission of Wisconsin**

**Whitewater Municipal Water Utility**

**Water Utility Operating Rules**

Installation of Meters

Meters will be owned, furnished, and installed by the water utility or a utility-approved contractor and are not to be disconnected or tampered with by the customer. All meters shall be so located that they shall be protected from obstructions and permit ready access for reading, inspection, and servicing, such location to be designated or approved by the water utility. All piping within the building must be supplied by the owner. Where additional meters are desired by the owner, the owner shall pay for all piping. Where applicable, see Schedule Am-1 for rates.

Repairs to Meters

Meters will be repaired by the water utility, and the cost of such repairs caused by ordinary wear and tear will be borne by the water utility.

Repair of any damage to a meter resulting from the carelessness of the owner of the premises, owner's agent, or tenant, or from the negligence of any one of them to properly secure and protect same, including any damage that may result from allowing a water meter to become frozen or to be damaged from the presence of hot water or steam in the meter, shall be paid for by the customer or the owner of the premises.

Service Piping for Meter Settings

Where the original service piping is installed for a new metered customer, where existing service piping is changed for the customer's convenience, or where a new meter is installed for an existing unmetered customer, the owner of the premises at his/her expense shall provide a suitable location and the proper connections for the meter. The meter setting and associated plumbing shall comply with the water utility's standards. The water utility should be consulted as to the type and size of the meter setting.

Turning on Water

The water may only be turned on for a customer by an authorized employee of the water utility. Plumbers may turn the water on to test their work, but upon completion must leave the water turned off.

Sprinkling Restrictions and Emergency Water Conditions

Where the municipality has a policy regarding sprinkling restrictions and/or emergency water conditions, failure to comply with such may result in disconnection of service.

See Wis. Admin. Code § PSC 185.37.

**Public Service Commission of Wisconsin**

**Whitewater Municipal Water Utility**

**Water Utility Operating Rules**

Failure to Read Meters

Where the water utility is unable to read a meter, the fact will be plainly indicated on the bill, and either an estimated bill will be computed or the minimum charge applied. The difference shall be adjusted when the meter is again read, that is, the bill for the succeeding billing period will be computed with the gallons or cubic feet in each block of the rate schedule doubled, and credit will be given on that bill for the amount of the bill paid the preceding period. Only in unusual cases shall more than three consecutive estimated or minimum bills be rendered.

If the meter is damaged (see Surreptitious Use of Water) or fails to operate, the bill will be based on the average use during the past year, unless there is some reason why the use is not normal. If the average use cannot be properly determined, the bill will be estimated by some equitable method.

See Wis. Admin. Code § PSC 185.33.

Complaint Meter Tests

See Wis. Admin. Code § PSC 185.77.

Inspection of Premises

During reasonable hours, any officer or authorized employee of the water utility shall have the right of access to the premises supplied with service for the purpose of inspection or for the enforcement of the water utility's rules and regulations. Whenever appropriate, the water utility will make a systematic inspection of all unmetered water taps for the purpose of checking waste and unnecessary use of water.

See Wis. Stat. § 196.171.

Vacation of Premises

When premises are to be vacated, the water utility shall be notified, in writing, at once, so that it may remove the meter and shut off the water supply at the curb stop. The owner of the premises shall be liable for prosecution for any damage to the water utility's property. See "Abandonment of Service" in Schedule X-1 for further information.

Deposits for Residential Service

See Wis. Admin. Code § PSC 185.36.

**Public Service Commission of Wisconsin**

**Whitewater Municipal Water Utility**

**Water Utility Operating Rules**

Deposits for Nonresidential Service

See Wis. Admin. Code § PSC 185.361.

Deferred Payment Agreement

See Wis. Admin. Code § PSC 185.38 or Schedule X-4, if applicable.

Dispute Procedures

See Wis. Admin. Code § PSC 185.39.

Disconnection and Refusal of Service

See Wis. Admin. Code § PSC 185.37.

The following is an example of a disconnection notice that the utility may use to provide the required notice to customers.

DISCONNECTION NOTICE

Dear Customer:

The bill enclosed with this notice includes your current charge for water utility service and your previous unpaid balance.

You have 10 days to pay the water utility service arrears or your service is subject to disconnection.

If you fail to pay the service arrears or fail to contact us within the 10 days allowed to make reasonable deferred payment arrangement or other suitable arrangement, we will proceed with disconnection action.

To avoid the inconvenience of service interruption and an additional charge of (amount) for reconnection, we urge you to pay the full arrears IMMEDIATELY AT ONE OF OUR OFFICES.

If you have entered into a Deferred Payment Agreement with us and have failed to make the deferred payments you agreed to, your service will be subject to disconnection unless you pay the entire amount due within 10 days.

If you have a reason for delaying the payment, call us and explain the situation.

**Public Service Commission of Wisconsin**

**Whitewater Municipal Water Utility**

**Water Utility Operating Rules**

Disconnection and Refusal of Service (continued)

DISCONNECTION NOTICE (continued)

PLEASE CALL THIS TELEPHONE NUMBER, (telephone number), IMMEDIATELY IF:

1. You dispute the notice of delinquent account.
2. You have a question about your water utility service arrears.
3. You are unable to pay the full amount of the bill and are willing to enter into a deferred payment agreement with us.
4. There are any circumstances you think should be taken into consideration before service is discontinued.
5. Any resident is seriously ill.

Illness Provision: If there is an existing medical emergency in your home and you furnish the water utility with a statement signed by either a licensed Wisconsin physician or a public health official, we will delay disconnection of service up to 21 days. The statement must identify the medical emergency and specify the period of time during which disconnection will aggravate the existing emergency.

Deferred Payment Agreements: If you are a residential customer and you are unable to pay the full amount of the water utility service arrears on your bill, you may contact the water utility to discuss arrangements to pay the arrears over an extended period of time.

This time payment agreement will require:

1. Payment of a reasonable amount at the time the agreement is made.
2. Payment of the remainder of the outstanding balance in monthly installments over a reasonable length of time.
3. Payment of all future water utility service bills in full by the due date.

In any situation where you are unable to resolve billing disputes or disputes about the grounds for proposed disconnection through contacts with our water utility, you may make an appeal to the Public Service Commission of Wisconsin by calling (800) 225-7729.

(WATER UTILITY NAME)

**Public Service Commission of Wisconsin**

**Whitewater Municipal Water Utility**

**Water Utility Operating Rules**

Collection of Overdue Bills

An amount owed by the customer may be levied as a tax as provided in Wis. Stat. § 66.0809.

Surreptitious Use of Water

When the water utility has reasonable evidence that a person is obtaining water, in whole or in part, by means of devices or methods used to stop or interfere with the proper metering of the water utility service being delivered, the water utility reserves the right to estimate and present immediately a bill for unmetered service as a result of such interference, and such bill shall be payable subject to a 24-hour disconnection of service. If the water utility disconnects the service for any such reason, the water utility will reconnect the service upon the following conditions:

- A. The customer will be required to deposit with the water utility an amount sufficient to guarantee the payment of the bills for water utility service.
- B. The customer will be required to pay the water utility for any and all damages to water utility equipment resulting from such interference with the metering.
- C. The customer must further agree to comply with reasonable requirements to protect the water utility against further losses.

See Wis. Stat. §§ 98.26 and 943.20.

Repairs to Mains

The water utility reserves the right to shut off the water supply in the mains temporarily to make repairs, alterations, or additions to the plant or system. When the circumstances will permit, the water utility will give notification, by newspaper publication or otherwise, of the discontinuance of the water supply. No credit will be allowed to customers for such temporary suspension of the water supply.

See Wis. Admin. Code § PSC 185.87.

Duty of Water Utility with Respect to Safety of the Public

It shall be the duty of the water utility to see that all open ditches for water mains, hydrants, and service laterals are properly guarded to prevent accident to any person or vehicle, and at night there shall be displayed proper signal lighting to insure the safety of the public.

**Public Service Commission of Wisconsin**

**Whitewater Municipal Water Utility**

**Water Utility Operating Rules**

Handling Water Mains and Service Laterals in Excavation Trenches

Contractors must call Digger’s Hotline and ensure a location is done to establish the existence and location of all water mains and service laterals as provided in Wis. Stat. § 182.0175. Where water mains or service laterals have been removed, cut, or damaged during trench excavation, the contractors must, at their own expense, cause them to be replaced or repaired at once. Contractors must not shut off the water service laterals to any customer for a period exceeding 6 hours.

Protective Devices

- A. Protective Devices in General: The owner or occupant of every premise receiving water supply shall apply and maintain suitable means of protection of the premise supply and all appliances against damage arising in any manner from the use of the water supply, variation of water pressure, or any interruption of water supply. Particularly, such owner or occupant must protect water-cooled compressors for refrigeration systems by means of high and/or low pressure safety cutout devices. There shall likewise be provided means for the prevention of the transmission of water ram or noise of operation of any valve or appliance through the piping of their own or adjacent premises.
- B. Relief Valves: On all "closed systems" (i.e., systems having a check valve, pressure regulator, reducing valve, water filter, or softener), an effective pressure relief valve shall be installed at or near the top of the hot water tank or at the hot water distribution pipe connection to the tank. No stop valve shall be placed between the hot water tank and the relief valve or on the drain pipe. See applicable plumbing codes.
- C. Air Chambers: An air chamber or approved shock absorber shall be installed at the terminus of each riser, fixture branch, or hydraulic elevator main for the prevention of undue water hammer. The air chamber shall be sized in conformance with local plumbing codes. Where possible, the air chamber should be provided at its base with a valve for water drainage and replenishment of air.

Cross-Connections

Every person owning or occupying a premise receiving municipal water supply shall maintain such municipal water supply free from any connection, either of a direct or of an indirect nature, with a water supply from a foreign source or of any manner of connection with any fixture or appliance whereby water from a foreign supply or the waste from any fixture, appliance, or waste or soil pipe may flow or be siphoned or pumped into the piping of the municipal water system.

See Wis. Admin. Code § NR 811.06.

**Public Service Commission of Wisconsin**

**Whitewater Municipal Water Utility**

**Water Main Extension Rule**

Water mains will be extended for new customers on the following basis:

- A. Where the cost of the extension is to immediately be collected through assessment by the municipality against the abutting property, the procedure set forth under Wis. Stat. § 66.0703 will apply, and no additional customer contribution to the utility will be required.
  
- B. Where the municipality is unwilling or unable to make a special assessment, the extension will be made on a customer-financed basis as follows:
  - 1. The applicant(s) will advance as a contribution in aid of construction the total amount equivalent to that which would have been assessed for all property under paragraph A.
  
  - 2. Part of the contribution required in paragraph B.1. will be refundable. When additional customers are connected to the extended main within 10 years of the date of completion, contributions in aid of construction will be collected equal to the amount which would have been assessed under paragraph A. for the abutting property being served. This amount will be refunded to the original contributor(s). In no case will the contributions received from additional customers exceed the proportionate amount which would have been required under paragraph A., nor will it exceed the total assessable cost of the original extension.
  
- C. When a customer connects to a transmission main or connecting loop installed at utility expense within 10 years of the date of completion, there will be a contribution required of an amount equivalent to that which would have been assessed under paragraph A.

**Public Service Commission of Wisconsin**

**Whitewater Municipal Water Utility**

**Water Main Installations in Platted Subdivisions**

Application for installation of water mains in regularly platted real estate development subdivisions shall be filed with the utility.

If the developer, or a contractor employed by the developer, is to install the water mains (with the approval of the utility), the developer shall be responsible for the total cost of construction.

If the utility or its contractor is to install the water mains, the developer shall be required to advance to the utility, prior to the beginning of the construction, the total estimated cost of the extension. If the final costs exceed estimated costs, an additional billing will be made for the balance of the cost due. This balance is to be paid within 30 days. If final costs are less than estimated, a refund of the overpayment will be made by the water utility.

**Whitewater Municipal Water Utility  
Customer Water Bill Comparison at Present and Proposed Rates**

Customer Type	Meter Size	Volume (1000 Gallons)	<u>Monthly</u>			<u>Monthly Including Public Fire Protection</u>		
			Bills at Old Rates	Bills at New Rates	Percent Change	Bills at Old Rates	Bills at New Rates	Percent Change
Small Residential	3/4"	2	\$ 13.10	\$ 15.76	20.31%	\$ 21.49	\$ 27.84	29.55%
Average Residential	3/4"	3	\$ 16.16	\$ 19.74	22.15%	\$ 24.55	\$ 31.82	29.61%
Large Residential	3/4"	10	\$ 37.58	\$ 47.60	26.66%	\$ 45.97	\$ 59.68	29.82%
Large Residential	1"	250	\$ 777.53	\$ 1,008.90	29.76%	\$ 798.43	\$ 1,039.05	30.14%
Large Residential	1"	500	\$ 1,542.53	\$ 2,003.90	29.91%	\$ 1,563.43	\$ 2,034.05	30.10%
Multifamily Residential	2"	200	\$ 537.00	\$ 693.00	29.05%	\$ 604.00	\$ 790.00	30.79%
Multifamily Residential	2"	500	\$ 1,227.00	\$ 1,591.00	29.67%	\$ 1,294.00	\$ 1,688.00	30.45%
Multifamily Residential	2"	1,300	\$ 2,747.00	\$ 3,559.00	29.56%	\$ 2,814.00	\$ 3,656.00	29.92%
Multifamily Residential	3"	250	\$ 686.00	\$ 883.00	28.72%	\$ 812.00	\$ 1,064.00	31.03%
Commercial	2"	100	\$ 287.00	\$ 367.00	27.87%	\$ 354.00	\$ 464.00	31.07%
Commercial	2"	175	\$ 474.50	\$ 611.50	28.87%	\$ 541.50	\$ 708.50	30.84%
Commercial	2"	220	\$ 587.00	\$ 758.20	29.17%	\$ 654.00	\$ 855.20	30.76%
Commercial	2"	880	\$ 1,949.00	\$ 2,525.80	29.59%	\$ 2,016.00	\$ 2,622.80	30.10%
Industrial	2"	640	\$ 1,493.00	\$ 1,935.40	29.63%	\$ 1,560.00	\$ 2,032.40	30.28%
Industrial	3"	160	\$ 461.00	\$ 589.60	27.90%	\$ 587.00	\$ 770.60	31.28%
Industrial	3"	250	\$ 686.00	\$ 883.00	28.72%	\$ 812.00	\$ 1,064.00	31.03%
Industrial	8"	39,000	\$ 74,605.00	\$ 96,546.00	29.41%	\$ 75,276.00	\$ 97,512.00	29.54%
Public Authority	3"	800	\$ 1,821.00	\$ 2,356.00	29.38%	\$ 1,947.00	\$ 2,537.00	30.30%
Public Authority	3"	850	\$ 1,916.00	\$ 2,479.00	29.38%	\$ 2,042.00	\$ 2,660.00	30.26%
Public Authority	3"	1,300	\$ 2,771.00	\$ 3,586.00	29.41%	\$ 2,897.00	\$ 3,767.00	30.03%
Public Authority	4"	3,300	\$ 6,605.00	\$ 8,542.00	29.33%	\$ 6,815.00	\$ 8,844.00	29.77%