



Public Service Commission of Wisconsin

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Public Service Commission of Wisconsin
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September 28, 2022

Mr. Jeremy Searl, Finance Director
Fox Crossing Utilities
2000 Municipal Drive
Neenah, WI 54956

Re: Application of the Village of Fox Crossing, Winnebago County, Wisconsin, as a Water Public Utility, for Authority to Adjust Water Rates 3550-WR-106

Dear Mr. Searl:

Public Service Commission (Commission) staff has analyzed the Fox Crossing Utilities (Utility) application for a water rate increase. The Commission received the application on September 30, 2021. 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	\$	2,972,933
Depreciation Expense	\$	772,249
Property Tax Equivalent and Other Taxes	\$	715,582
Return on Rate Base	\$	1,313,081
Total	\$	5,773,845

Commission staff used a 6.00 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#: 442582.](#))

Schedule 13 of the Exhibit shows the proposed rates that would increase annual revenues from water public utility service by an estimated \$927,281. Commission staff estimates \$730,116 would be from general service customers, and \$197,165 would be from the public fire protection (PFP) charge. The increase in water utility revenues results from a 39.98 percent increase in gross plant investment and a 12.17 percent increase in operating expenses since the Utility's last water conventional rate case (CRC) in 2012.

The overall increase in customer rates is 21.39 percent and is comprised of a 19.76 percent increase in general service charges and a 30.82 percent increase in PFP charges.

Under the rates proposed in the Exhibit, a typical single family residential customer's bill would increase 19.98 percent, including PFP. Schedule 14 of the Exhibit shows Commission staff's analysis of customer bills for comparison of proposed and present rates.

Commission staff proposes a number of changes on Schedule 13 that are intended to simplify and update the tariff provisions. The proposed changes include:

- The Utility proposed a quarterly/monthly charge for Schedule NSM-1, Non-Standard Meter Service. ([PSC REF#: 430683](#).) Commission staff reviewed the Utility's request and did not have concerns. Commission staff's Exhibit includes the Utility's proposed charge on Schedule NSM-1. The language on Schedule NSM-1 includes the Commission's standardized tariff language.
- Adding a new Schedule W-1, Wholesale Water Service, to establish a wholesale rate to Harrison Utilities (to replace the current Schedule MI-1, Municipal Interconnect Charge, for emergency water service provided to the Waverly Sanitary District).
- Commission staff is proposing to establish Schedule Am-1, Additional Meter Rental Charge, to establish criteria for offering a second meter to water customers. Schedule Am-1 applies only if the "additional meter" is installed on the same service line as the primary meter. If the meter is not on the same service line, the additional meter should be treated as a separate account (or a primary meter), and Schedule Am-1 would not apply. For reporting purposes on the PSC Annual Report, the Utility should record revenue from Schedule Am-1 fixed meter charges in Account 474: Other Water Revenues, and the Utility should record the number of Am-1 meters (owned by the water utility) on Schedule W-23 of the PSC Annual Report under the additional meter column.

In the Utility's last CRC, authorized by the Commission in a Final Decision dated February 8, 2012 ([PSC REF#: 159475](#)), the Utility established class-based rates, with a new three-tier inclining block rate structure for residential customers, which was intended to be a rate structure that promoted water conservation, and a continuation of the existing three-tier declining block rate structure for non-residential customers. The Commission included two order points in the Final Decision, one requiring the Utility to inform residential customers of the new conservation-oriented rate structure and to provide information to assist customers in interpreting their bills and steps they could take to reduce their water usage (Order Point No. 4); and the second requiring the Utility to report 13 months following the effective date of the new rates on the effects of the inclining block rates on water usage and revenues, the number of customers and volume of sales in each block, and a description of the measures taken to educate residential customers about the conservation rate structure and its intended purpose (Order Point No. 5). Both of these order points were completed. ([PSC REF#: 438506](#).)

In its application and data request responses, the Utility proposed reverting to the pre-2012 three-tier declining block rate structure that was in place before the Utility's last CRC. In two data

requests (see [PSC REF#: 423966](#), [PSC REF#: 432403](#)), Commission staff requested additional information on the Utility's rationale for moving away from the conservation rate structure and back to the declining block rate structure in place before 2012, as well as more detailed data and analysis of the impact to customers of changing the rate structure. The Utility responded to initial questions from Commission staff on changes to the rate structure in Response-Data Request-PSC-Butzlaff-1. ([PSC REF#: 430683](#).) The Utility stated that the reasoning for making the request was that "the increasing block method for residential customers does not serve as an incentive for water consumption." The Utility responded to follow up questions from Commission staff on changes to the rate structure in Response-Data Request-PSC-Butzlaff-1. ([PSC REF#: 439080](#).) In this response, the Utility stated that no study had been done to investigate how residential customers would respond to changes in the rate structure. Additionally, the Utility stated that the only customer complaints about the rate structure that had been received came from customers who had large leaks and felt they had been punished by having to pay higher rates.

While the Utility completed the order points from the last rate case and provided basic answers to data request questions on changing the rate structure, Commission staff considers that there is a lack of data and analysis from the last 10 years that would indicate that the inclining block rate structure is harmful to customers or is not functioning well. Accordingly, Commission staff's proposal maintains the inclining block rate structure as it is for residential customers. Commission staff recommends that the Utility conduct a more detailed analysis of the impact of the inclining block rate structure on residential customers to determine if that rate structure is functioning for the Utility's purposes. Additionally, Commission staff recommends that the Utility continue to educate customers on the conservation rate structure and steps they can take to conserve water. The Utility should include the results of any analysis in the materials that the Utility submits as part of its next application for a CRC.

As shown in Schedule 13, Commission staff has replaced Schedule Mg-1, General Service – Metered, with new class based rate schedules. The following rate schedules are proposed: maintaining the current inclining block rate structure for Schedule Mg-1R, General Service – Metered – Residential, and for Schedule Mg-1MF, General Service – Metered – Multifamily Residential; and a continuation of the existing three-tier declining block rate structure for Schedule Mg-1NR, General Service – Metered – Nonresidential. The meter service charges are intended to recover customer costs associated with billing, meters, and service laterals. The volume rates are intended to recover the cost of supplying water. The revised block rates will recover the cost of supplying water from each customer class in a more equitable manner than did the old volume block 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.

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The proposed Commission staff Exhibit is intended to provide the Commission with Commission staff's analysis and is not a final decision. The Utility may present its own case and may submit any additional information it believes to be pertinent to support its position. After reviewing, please confirm the Utility is in agreement with staff's rate proposal as set forth in the enclosed Exhibit and this cover letter within five business days of the date of this letter. The Utility should file its confirmation on ERF and identify the document type in ERF as "Exhibit Offered." If the Utility is not in agreement with any individual component(s), please provide detail in the reply. 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. Once the Utility provides confirmation of its position, Commission staff will contact the Utility to schedule next steps including a public hearing.

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

ALF:rjp:ajh:krl DL:01902835

cc: Myra Piergrossi, Deputy Finance Director, Fox Crossing Utilities
Amber Drewieski, CPA, CliftonLarsonAllen, LLP

Ex.-PSC-COSS and Rate Design

Fox Crossing Utilities

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COMPARATIVE INCOME STATEMENT

ACCT NO.	OPERATING REVENUES	TEST YEAR				
		2018	2019	2020	2021	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	2,080,788	2,038,121	2,172,093	2,100,000	2,159,674
	Multi-Family Residential	501,311	496,678	496,049	497,000	497,652
	Commercial	633,203	620,201	579,896	600,000	610,254
	Industrial	776,937	713,416	739,940	625,000	374,118
	Public Authority	49,554	47,096	43,437	47,000	50,055
	Irrigation	0	0	0	0	0
	TOTAL GENERAL SALES	\$ 4,041,793	\$ 3,915,512	\$ 4,031,415	\$ 3,869,000	\$ 3,691,753
462	Private fire protection service	\$ 215,916	\$ 218,360	\$ 220,526	\$ 236,340	\$ 236,340
463	Public fire protection service	608,006	611,261	614,750	632,532	639,738
465	Other water sales	0	0	0	0	0
466	Sales for resale	2,666	3,013	2,641	2,733	2,733
467	Interdepartmental sales	0	0	0	0	0
470	Forfeited discounts	30,467	32,707	22,678	26,000	30,000
472	Rents from water property	196,898	194,783	205,895	205,000	186,000
473	Interdepartmental rents	0	0	0	0	0
474	Other water revenues	75,154	55,979	193,757	60,000	60,000
	TOTAL OPERATING REVENUES	\$ 5,170,900	\$ 5,031,615	\$ 5,291,662	\$ 5,031,605	\$ 4,846,564
	OPERATING EXPENSES					
	SOURCE OF SUPPLY					
600	Operation labor	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
601	Operation labor and expenses	0	0	0	0	0
602	Purchased water	866,005	810,845	667,352	810,000	675,000
603	Miscellaneous expenses	3,807	3,715	588	2,700	2,700
604	Rents	0	0	0	0	0
610	Maintenance supervision and engineering	0	0	0	0	0
611	Maintenance of structures and improvements	0	0	0	0	0
612	Maint. of collecting and impounding reservoirs	0	0	0	0	0
613	Maintenance of lake, river, and other intakes	0	0	0	0	0
614	Maintenance of wells and springs	541	3,975	70,905	53,500	129,000
616	Maintenance of supply mains	0	0	0	0	0
617	Maintenance of misc. water source plant	0	0	0	0	0
	PUMPING EXPENSES					
620	Operation supervision and engineering	0	0	0	0	0
621	Fuel for power production	0	0	0	0	0
622	Power production labor and expenses	0	0	0	0	0
623	Fuel or power purchased for production	216,760	206,204	202,868	220,000	220,000
624	Pumping labor and expenses	42,806	51,220	57,702	55,000	55,000
625	Expenses transferred--credit	0	0	0	0	0
626	Miscellaneous expenses	0	0	0	0	0
627	Rents	0	0	0	0	0
630	Maintenance supervision and engineering	0	0	0	0	0
631	Maintenance of structures and improvements	117	267	71	150	150
632	Maintenance of power production equipment	0	0	0	0	0
633	Maintenance of pumping equipment	10,347	1,958	13,777	9,000	68,000

COMPARATIVE INCOME STATEMENT
(continued)

ACCT NO.	OPERATING EXPENSES	TEST YEAR				
		2018	2019	2020	2021	2022
WATER TREATMENT EXPENSES						
640	Operation supervision and engineering	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
641	Chemicals	493,739	527,005	497,193	480,000	438,000
642	Operation labor and expenses	66,216	68,837	73,835	75,000	75,000
643	Miscellaneous expenses	0	0	0	0	0
644	Rents	0	0	0	0	0
650	Maintenance supervision and engineering	0	0	0	0	0
651	Maintenance of structures and improvements	19,037	15,793	11,522	15,000	15,000
652	Maintenance of water treatment equipment	39,531	170,319	228,534	80,000	101,000
TRANS & DISTRIBUTION EXPENSES						
660	Operation supervision and engineering	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
661	Storage facilities expenses	4,022	3,956	5,812	4,000	4,000
662	Transmission and distribution expenses	94,588	102,672	81,236	105,000	105,000
663	Meter expenses	18,150	17,407	21,283	20,000	20,000
664	Customer installations expenses	0	0	0	0	0
665	Miscellaneous expenses	31,438	19,688	47,661	35,000	35,000
666	Rents	0	0	0	0	0
670	Maintenance supervision and engineering	0	0	0	0	0
671	Maintenance of structures and improvements	0	0	0	0	0
672	Maintenance of distr.reservoirs and standpipes	249,018	17,595	12,219	15,000	107,000
673	Maintenance of transmission and distr. mains	261,795	134,432	169,489	180,000	180,000
675	Maintenance of services	60,751	32,192	36,561	37,000	37,000
676	Maintenance of meters	17,364	18,048	13,946	15,000	15,000
677	Maintenance of hydrants	56,838	48,524	58,664	52,000	52,000
678	Maintenance of miscellaneous plant	0	0	0	0	0
CUSTOMER ACCOUNTS EXPENSES						
901	Supervision	0	0	0	0	0
902	Meter reading labor	15,392	15,506	18,084	15,700	16,000
903	Customer records and collection expenses	63,256	59,808	66,749	60,000	63,000
904	Uncollectible accounts	0	0	0	0	0
905	Miscellaneous customer accounts expenses	0	0	0	0	0
906	Customer service and Information Expenses	0	0	0	0	0
SALES EXPENSES						
910	Sales Expenses	0	0	0	0	0
ADMIN. & GENERAL EXPENSES						
920	Administrative and general salaries	165,686	165,367	175,417	175,000	180,250
921	Office supplies and expenses	29,723	53,883	39,221	40,000	39,833
922	Administrative expenses transferred -- credit	0	0	0	0	0
923	Outside services employed	61,183	132,293	52,746	85,000	33,000
924	Property insurance	7,530	9,071	9,637	9,500	9,500
925	Injuries and damages	34,511	36,308	38,913	38,000	38,000
926	Employee pensions and benefits	246,041	206,222	204,045	220,000	220,000
928	Regulatory commission expenses	0	0	0	5,000	10,000
929	Duplicate charges -- credit	0	0	0	0	0
930	Miscellaneous general expenses	11,685	17,832	16,438	15,000	15,000
931	Rents	13,148	14,182	11,022	14,500	14,500
932	Maintenance of general plant	0	0	0	0	0
TOTAL OPER. & MAINT. EXPENSES		\$ 3,201,025	\$ 2,965,124	\$ 2,903,490	\$ 2,941,050	\$ 2,972,933
403	DEPRECIATION EXPENSE	651,545	680,839	719,684	807,459	772,249
404-407	AMORTIZATION EXPENSE	0	0	0	0	0
408	TAXES AND TAX EQUIVALENT	627,518	632,578	665,987	666,457	715,582
TOTAL OPERATING EXPENSES		\$ 4,480,088	\$ 4,278,541	\$ 4,289,161	\$ 4,414,966	\$ 4,460,764
NET OPERATING INCOME		\$ 690,812	\$ 753,074	\$ 1,002,501	\$ 616,639	\$ 385,800

NET INVESTMENT RATE BASE

UTILITY FINANCED PLANT IN SERVICE	\$	34,087,346
Less: ACCUMULATED PROVISION FOR DEPRECIATION		<u>12,050,456</u>
NET PLANT IN SERVICE	\$	22,036,890
Plus: MATERIALS AND SUPPLIES		52,000
Less: REGULATORY LIABILITY		<u>204,203</u>
NET INVESTMENT RATE BASE	\$	<u><u>21,884,687</u></u>
RATE OF RETURN ON RATE BASE		6.00%

ESTIMATED INCOME STATEMENT FOR THE 2022 TEST YEAR
AND

REVENUE REQUIREMENT TO YIELD A 6.00% RETURN ON NET INVESTMENT RATE BASE

	<u>Present Rates</u>	<u>Increase</u>	<u>After Rate Increase</u>
TOTAL OPERATING REVENUES	\$ <u>4,846,564</u>	\$ <u>927,281</u>	\$ <u>5,773,845</u>
OPERATING EXPENSES:			
OPERATION & MAINTENANCE EXPENSES	\$ 2,972,933		\$ 2,972,933
DEPRECIATION EXPENSE	772,249		772,249
AMORTIZATION EXPENSE	0		0
TAXES AND TAX EQUIVALENT	<u>715,582</u>		<u>715,582</u>
TOTAL OPERATING EXPENSES	\$ <u>4,460,764</u>		\$ <u>4,460,764</u>
NET OPERATING INCOME (LOSS)	\$ <u>385,800</u>		\$ <u><u>1,313,081</u></u>
RATE OF RETURN ON RATE BASE	1.76%		6.00%

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

<u>ACCT NO.</u>	<u>ACCOUNT DESCRIPTION</u>	Balance 12/31/2021 (\$)	Major Additions		Retirements (\$)	Balance 12/31/2022 (\$)	Test Year Rate Base Balance (\$)	Depreciation	
			Less Retirements (\$)	Normal Additions (\$)				Rate (%)	Expense (\$)
INTANGIBLE PLANT									
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
SOURCE OF SUPPLY									
310	Land and Land Rights	90,941	0	0	0	90,941	90,941	N/A	0
311	Structures and Improvements	0	0	0	0	0	0	0.00%	0
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	1,838,797	0	0	0	1,838,797	1,838,797	3.70%	68,035
316	Supply Mains	331,126	0	0	0	331,126	331,126	2.20%	7,285
317	Other Water Source Plant	0	0	0	0	0	0	0.00%	0
PUMPING PLANT									
320	Land and Land Rights	0	0	0	0	0	0	N/A	0
321	Structures and Improvements	175,406	0	0	0	175,406	175,406	3.80%	6,665
323	Other Power Production Equipment	0	0	0	0	0	0	5.50%	0
325	Electric Pumping Equipment	1,218,960	0	0	0	1,218,960	1,218,960	5.50%	67,043
326	Diesel Pumping Equipment	0	0	0	0	0	0	0.00%	0
328	Other Pumping Equipment	75,818	0	0	0	75,818	75,818	5.50%	4,170
WATER TREATMENT PLANT									
330	Land and Land Rights	0	0	0	0	0	0	N/A	0
331	Structures and Improvements	1,482,112	0	0	0	1,482,112	1,482,112	Fully Depr.	0
332	Sand or Other Media Filtration Equipment	1,762,256	0	0	0	1,762,256	1,762,256	3.30%	58,154
333	Membrane Filtration Equipment	0	0	0	0	0	0	6.00%	0
334	Other Water Treatment Equipment	0	0	0	0	0	0	6.00%	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>
		(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(%)	(\$)
TRANSMISSION & DISTRIBUTION PLANT									
340	Land and Land Rights	55,948	0	0	0	55,948	55,948	N/A	0
341	Structures and Improvements	0	0	0	0	0	0	0.00%	0
342	Distribution Reservoirs and Standpipes	828,030	0	0	0	828,030	828,030	1.90%	15,733
343	Transmission and Distribution Mains	17,610,613	0	892,847	17,923	18,485,537	18,048,075	1.30%	234,625
345	Services	1,833,657	0	45,435	586	1,878,506	1,856,082	2.90%	53,826
346	Meters	1,888,963	0	200,000	55,000	2,033,963	1,961,463	5.50%	53,940
348	Hydrants	1,677,584	0	54,000	0	1,731,584	1,704,584	2.20%	37,501
349	Other Transmission and Distribution Plant	0	0	0	0	0	0	0.00%	0
GENERAL PLANT									
389	Land and Land Rights	3,811	0	0	0	3,811	3,811	N/A	0
390	Structures and Improvements	1,257,402	0	0	0	1,257,402	1,257,402	2.90%	36,465
391	Office Furniture and Equipment	29,086	0	0	0	29,086	29,086	Fully Depr.	0
391	Computer Equipment	98,994	0	0	0	98,994	98,994	Fully Depr.	23,099
392	Transportation Equipment	577,319	0	0	0	577,319	577,319	UNIT	36,465
393	Stores Equipment	0	0	0	0	0	0	0.00%	0
394	Tools, Shop and Garage Equipment	94,827	0	0	0	94,827	94,827	Fully Depr.	0
395	Laboratory Equipment	5,923	0	0	0	5,923	5,923	Fully Depr.	0
396	Power Operated Equipment	0	0	0	0	0	0	0.00%	0
397	Communication Equipment	151,824	0	184,200	0	336,024	243,924	15.00%	36,589
397	SCADA Equipment	299,021	0	0	0	299,021	299,021	10.00%	29,902
398	Miscellaneous Equipment	47,441	0	0	0	47,441	47,441	5.80%	2,752
TOTAL UTILITY FINANCED PLANT IN SERVICE		33,435,859	0	1,376,482	73,509	34,738,832	34,087,346		772,249

Fox Crossing Utilities

SYSTEM DEMAND RATIOS

MAXIMUM DAY SYSTEM DEMAND

TOTAL ANNUAL PUMPAGE 748,897,829 Gallons

AVERAGE DAILY PUMPAGE 2,051,775 Gallons

MAXIMUM DAY PUMPAGE 3,189,554 Gallons

FIRE FLOW:

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

AVERAGE DAY PLUS FIRE FLOW 3,011,775 Gallons

RATIO: BASE = $\frac{2,051,775}{3,189,554}$ = 64.33%

MAX DAY = 100-BASE = 35.67%

MAXIMUM HOUR SYSTEM DEMAND

AVERAGE HOUR ON MAX DAY 132,898 Gallons

MAXIMUM HOUR PUMPAGE 192,354 Gallons

AVERAGE HOUR PLUS ONE HOUR FIRE FLOW 325,491 Gallons

RATIO: BASE = $\frac{2,051,775}{7,811,775}$ = 26.27% Use 26.27%

MAX HOUR = 100-BASE = 73.73% Use 73.73%

**ALLOCATION OF UTILITY FINANCED PLANT
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 (\$)	
INTANGIBLE PLANT													
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
SOURCE OF SUPPLY													
310	Land and Land Rights	90,941	58,500		32,441								
311	Structures and Improvements	0	0		0								
312	Collecting and Impounding Reservoirs	0	0		0								
313	Lake, River, and Other Intakes	0	0		0								
314	Wells and Springs	1,838,797	1,182,861		655,936								
316	Supply Mains	331,126	213,007		118,119								
317	Other Water Source Plant	0	0		0								
PUMPING PLANT													
320	Land and Land Rights	0	0		0								
321	Structures and Improvements	175,406	112,835		62,571								
323	Other Power Production Equipment	0	0		0								
325	Electric Pumping Equipment	1,218,960	784,132		434,828								
326	Diesel Pumping Equipment	0	0		0								
328	Other Pumping Equipment	75,818	48,772		27,046								
WATER TREATMENT PLANT													
330	Land and Land Rights	0	0		0								
331	Structures and Improvements	1,482,112	953,412		528,700								
332	Sand or Other Media Filtration Equipment	1,762,256	1,133,623		628,633								
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				
		BASE COSTS		MAX DAY		MAX HOUR			Billing (\$)	Equivalent Meter (\$)	Equivalent Service (\$)	Fire Protection (\$)	
		TOTAL (\$)	System (\$)	Distribution (\$)	System (\$)	Distribution (\$)	System (\$)	Distribution (\$)					Storage (\$)
TRANSMISSION & DISTRIBUTION PLANT													
340	Land and Land Rights	55,948	8,933	7,427	4,677	0	0	20,849	1,400	0	4,498	4,256	3,909
341	Structures and Improvements	0	0	0	0	0	0	0	0	0	0	0	0
342	Distribution Reservoirs and Standpipes	828,030	217,483						610,547				
343	Transmission mains	5,717,644	3,678,044		2,039,600								
343	Distribution mains	12,330,431		3,238,607				9,091,824					
345	Services	1,856,082										1,856,082	
346	Meters	1,961,463									1,961,463		
348	Hydrants	1,704,584											1,704,584
349	Other Transmission and Distribution Plant	0	0	0	0	0	0	0	0	0	0	0	0
GENERAL PLANT													
389	Land and Land Rights	3,811	1,018	394	550	0	0	1,105	74	0	238	226	207
390	Structures and Improvements	1,257,402	335,722	129,864	181,333	0	0	364,570	24,482	0	78,652	74,426	68,352
391	Office Furniture and Equipment	29,086	7,766	3,004	4,195	0	0	8,433	566	0	1,819	1,722	1,581
391	Computer Equipment	98,994	26,431	10,224	14,276	0	0	28,702	1,927	0	6,192	5,860	5,381
392	Transportation Equipment	577,319	154,142	59,625	83,257	0	0	167,387	11,241	0	36,112	34,172	31,383
393	Stores Equipment	0	0	0	0	0	0	0	0	0	0	0	0
394	Tools, Shop and Garage Equipment	94,827	25,319	9,794	13,675	0	0	27,494	1,846	0	5,932	5,613	5,155
395	Laboratory Equipment	5,923	1,581	612	854	0	0	1,717	115	0	370	351	322
396	Power Operated Equipment	0	0	0	0	0	0	0	0	0	0	0	0
397	Communication Equipment	243,924	65,127	25,192	35,177	0	0	70,723	4,749	0	15,258	14,438	13,260
397	SCADA Equipment	299,021	79,838	30,883	43,123	0	0	86,698	5,822	0	18,704	17,699	16,255
398	Miscellaneous Equipment	47,441	12,667	4,900	6,842	0	0	13,755	924	0	2,967	2,808	2,579
	TOTAL	34,087,346	9,101,213	3,520,525	4,915,831	0	0	9,883,258	663,694	0	2,132,206	2,017,652	1,852,966

**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 (\$)
INTANGIBLE PLANT													
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
SOURCE OF SUPPLY													
310	Land and Land Rights	90,941	58,500			32,441							
311	Structures and Improvements	0	0			0							
312	Collecting and Impounding Reservoirs	0	0			0							
313	Lake, River, and Other Intakes	0	0			0							
314	Wells and Springs	1,838,797	1,182,861			655,936							
316	Supply Mains	445,610	286,652			158,958							
317	Other Water Source Plant	0	0			0							
PUMPING PLANT													
320	Land and Land Rights	0	0			0							
321	Structures and Improvements	590,406	379,796			210,610							
323	Other Power Production Equipment	105,000	67,544			37,456							
325	Electric Pumping Equipment	1,323,960	851,677			472,283							
326	Diesel Pumping Equipment	0	0			0							
328	Other Pumping Equipment	75,818	48,772			27,046							
WATER TREATMENT PLANT													
330	Land and Land Rights	0	0			0							
331	Structures and Improvements	1,482,112	953,412			528,700							
332	Sand or Other Media Filtration Equipment	1,762,256	1,133,623			628,633							
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							CUSTOMER COSTS			Fire Protection (\$)	
		TOTAL (\$)	BASE COSTS		MAX DAY		MAX HOUR			Billing (\$)	Equivalent Meter (\$)		Equivalent Service (\$)
			System (\$)	Distribution (\$)	System (\$)	Distribution (\$)	System (\$)	Distribution (\$)	Storage (\$)				
TRANSMISSION & DISTRIBUTION PLANT													
340	Land and Land Rights	64,461	6,052	10,342	3,169	0	0	29,034	949	0	3,047	6,388	5,480
341	Structures and Improvements	0	0	0	0	0	0	0	0	0	0	0	0
342	Distribution Reservoirs and Standpipes	828,030	217,483						610,547				
343	Transmission mains	5,717,644	3,678,044		2,039,600								
343	Distribution mains	25,344,188		6,656,691				18,687,498					
345	Services	4,111,602										4,111,602	
346	Meters	1,961,463									1,961,463		
348	Hydrants	3,527,092											3,527,092
349	Other Transmission and Distribution Plant	0	0	0	0	0	0	0	0	0	0	0	0
GENERAL PLANT													
389	Land and Land Rights	3,811	686	516	371	0	0	1,448	47	0	152	319	273
390	Structures and Improvements	1,257,402	226,228	170,149	122,369	0	0	477,664	15,606	0	50,136	105,095	90,155
391	Office Furniture and Equipment	29,086	5,233	3,936	2,831	0	0	11,049	361	0	1,160	2,431	2,085
391	Computer Equipment	98,994	17,811	13,396	9,634	0	0	37,606	1,229	0	3,947	8,274	7,098
392	Transportation Equipment	577,319	103,870	78,122	56,184	0	0	219,313	7,165	0	23,019	48,253	41,393
393	Stores Equipment	0	0	0	0	0	0	0	0	0	0	0	0
394	Tools, Shop and Garage Equipment	94,827	17,061	12,832	9,228	0	0	36,023	1,177	0	3,781	7,926	6,799
395	Laboratory Equipment	5,923	1,066	801	576	0	0	2,250	74	0	236	495	425
396	Power Operated Equipment	0	0	0	0	0	0	0	0	0	0	0	0
397	Communication Equipment	243,924	43,886	33,007	23,738	0	0	92,662	3,027	0	9,726	20,387	17,489
397	SCADA Equipment	299,021	53,799	40,463	29,100	0	0	113,593	3,711	0	11,923	24,993	21,440
398	Miscellaneous Equipment	47,441	8,535	6,420	4,617	0	0	18,022	589	0	1,892	3,965	3,401
	TOTAL	51,927,128	9,342,592	7,026,674	5,053,479	0	0	19,726,161	644,481	0	2,070,482	4,340,128	3,723,130

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

<u>ACCT NO.</u>	<u>ACCOUNT DESCRIPTION</u>	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 (\$)	
INTANGIBLE PLANT													
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
SOURCE OF SUPPLY													
310	Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0
311	Structures and Improvements	0	0	0	0	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	68,035	43,766	24,269	0	0	0	0	0	0	0	0	0
316	Supply Mains	7,285	4,686	2,599	0	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
PUMPING PLANT													
320	Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0
321	Structures and Improvements	6,665	4,287	2,378	0	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	67,043	43,127	23,916	0	0	0	0	0	0	0	0	0
326	Diesel Pumping Equipment	0	0	0	0	0	0	0	0	0	0	0	0
328	Other Pumping Equipment	4,170	2,682	1,488	0	0	0	0	0	0	0	0	0
WATER TREATMENT PLANT													
330	Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0
331	Structures and Improvements	0	0	0	0	0	0	0	0	0	0	0	0
332	Sand or Other Media Filtration Equipment	58,154	37,409	20,745	0	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	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	
(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)		
TRANSMISSION & DISTRIBUTION PLANT													
340	Land and Land Rights	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	
342	Distribution Reservoirs and Standpipes	15,733	4,132					11,601					
343	Transmission mains	74,329	47,815		26,515								
343	Distribution mains	160,296		42,102			118,194						
345	Services	53,826									53,826		
346	Meters	53,940								53,940			
348	Hydrants	37,501										37,501	
349	Other Transmission and Distribution Plant	0	0	0	0	0	0	0	0	0	0	0	
GENERAL PLANT													
389	Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	
390	Structures and Improvements	36,465	11,289	2,529	6,122	0	7,101	697	0	3,241	3,234	2,253	
391	Office Furniture and Equipment	0	0	0	0	0	0	0	0	0	0	0	
391	Computer Equipment	23,099	7,151	1,602	3,878	0	4,498	441	0	2,053	2,048	1,427	
392	Transportation Equipment	36,465	11,289	2,529	6,122	0	7,101	697	0	3,241	3,234	2,253	
393	Stores Equipment	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	
395	Laboratory Equipment	0	0	0	0	0	0	0	0	0	0	0	
396	Power Operated Equipment	0	0	0	0	0	0	0	0	0	0	0	
397	Communication Equipment	36,589	11,327	2,538	6,143	0	7,125	699	0	3,252	3,245	2,261	
397	SCADA Equipment	29,902	9,257	2,074	5,020	0	5,823	571	0	2,657	2,652	1,847	
398	Miscellaneous Equipment	2,752	852	191	462	0	536	53	0	245	244	170	
TOTAL		772,249	239,069	53,566	129,657	0	0	150,376	14,759	0	68,627	68,482	47,712

**ALLOCATION OF OPERATION AND MAINTENANCE EXPENSES
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 (\$)	
SOURCE OF SUPPLY													
600	Operation labor	0		0		0							
601	Operation labor and expenses	0		0		0							
602	Purchased water	675,000	628,452										46,548
603	Miscellaneous expenses	2,700	1,737			963							
604	Rents	0	0			0							
610	Maintenance supervision and engineering	0	0			0							
611	Maintenance of structures and improvements	0	0			0							
612	Maint. of collecting and impounding reservoirs	0	0			0							
613	Maintenance of lake, river, and other intakes	0	0			0							
614	Maintenance of wells and springs	129,000	82,983			46,017							
616	Maintenance of supply mains	0	0			0							
617	Maintenance of misc. water source plant	0	0			0							
PUMPING EXPENSES													
620	Operation supervision and engineering	0	0			0							
621	Fuel for power production	0	0			0							
622	Power production labor and expenses	0	0			0							
623	Fuel or power purchased for production	220,000	220,000										
624	Pumping labor and expenses	55,000	35,380			19,620							
625	Expenses transferred--credit	0	0			0							
626	Miscellaneous expenses	0	0			0							
627	Rents	0	0			0							
630	Maintenance supervision and engineering	0	0			0							
631	Maintenance of structures and improvements	150	96			54							
632	Maintenance of power production equipment	0	0			0							
633	Maintenance of pumping equipment	68,000	43,743			24,257							
WATER TREATMENT EXPENSES													
640	Operation supervision and engineering	0	0			0							
641	Chemicals	438,000	438,000										
642	Operation labor and expenses	75,000	48,246			26,754							
643	Miscellaneous expenses	0	0			0							
644	Rents	0	0			0							
650	Maintenance supervision and engineering	0	0			0							
651	Maintenance of structures and improvements	15,000	9,649			5,351							
652	Maintenance of water treatment equipment	101,000	64,971			36,029							

**ALLOCATION OF OPERATION AND MAINTENANCE EXPENSES
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	
(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)		
TRANSMISSION & DISTRIBUTION EXPENSES													
660	Operation supervision and engineering	0	0	0	0	0	0	0	0	0	0	0	
661	Storage facilities expenses	4,000	1,051					2,949					
662	Transmission lines expenses	10,832	6,968		3,864								
662	Distribution lines expenses	94,168		24,733			69,434						
663	Meter expenses	20,000								20,000			
664	Customer installations expenses	0									0		
665	Miscellaneous expenses	35,000	3,235	4,519	706	0	12,685	5,509	0	2,356	2,490	3,500	
666	Rents	0	0	0	0	0	0	0	0	0	0	0	
670	Maintenance supervision and engineering	0	0	0	0	0	0	0	0	0	0	0	
671	Maintenance of structures and improvements	0	0	0	0	0	0	0	0	0	0	0	
672	Maintenance of distr.reservoirs and standpipes	107,000	28,104					78,896					
673	Maintenance of transmission mains	18,570	11,946		6,624								
673	Maintenance of distribution mains	161,430		42,400			119,030						
675	Maintenance of services	37,000									37,000		
676	Maintenance of meters	15,000								15,000			
677	Maintenance of hydrants	52,000										52,000	
678	Maintenance of miscellaneous plant	0	0	0	0	0	0	0	0	0	0	0	
CUSTOMER ACCOUNTS EXPENSES													
901	Supervision	0								0			
902	Meter reading labor	16,000								16,000			
903	Customer records and collection expenses	63,000								63,000			
904	Uncollectible accounts	0								0			
905	Miscellaneous customer accounts expenses	0								0			
906	Customer service and Information Expenses	0								0			
SALES EXPENSES													
910	Sales Expenses	0								0			
ADMINISTRATIVE & GENERAL EXPENSES													
920	Administrative and general salaries	180,250	59,029	12,509	29,721	0	35,118	15,251	5,517	6,522	6,894	9,689	
921	Office supplies and expenses	39,833	13,045	2,764	6,568	0	7,761	3,370	1,219	1,441	1,524	2,141	
922	Administrative expenses transferred -- credit	0	0	0	0	0	0	0	0	0	0	0	
923	Outside services employed	33,000	10,807	2,290	5,441	0	6,429	2,792	1,010	1,194	1,262	1,774	
924	Property insurance	9,500	1,709	1,286	925	0	3,609	118	0	379	794	681	
925	Injuries and damages	38,000	12,444	2,637	6,266	0	7,403	3,215	1,163	1,375	1,453	2,043	
926	Employee pensions and benefits	220,000	72,046	15,268	36,275	0	42,862	18,614	6,733	7,960	8,415	11,826	
928	Regulatory commission expenses	10,000	3,275	694	1,649	0	1,948	846	306	362	382	538	
929	Duplicate charges -- credit	0	0	0	0	0	0	0	0	0	0	0	
930	Miscellaneous general expenses	15,000	4,912	1,041	2,473	0	2,922	1,269	459	543	574	806	
931	Rents	14,500	4,749	1,006	2,391	0	2,825	1,227	444	525	555	779	
932	Maintenance of general plant	0	0	0	0	0	0	0	0	0	0	0	
TOTAL OPERATION & MAINTENANCE EXPENSES		2,972,933	1,806,577	111,148	261,947	0	0	312,027	134,057	95,852	57,656	61,344	132,327

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	2,972,933	1,806,577	111,148	261,947	0	0	312,027	134,057	95,852	57,656	61,344	132,327
DEPRECIATION EXPENSE	772,249	239,069	53,566	129,657	0	0	150,376	14,759	0	68,627	68,482	47,712
AMORTIZATION EXPENSE	0	0	0	0	0	0	0	0	0	0	0	0
TAXES AND TAX EQUIVALENT	715,582	128,746	96,831	69,639	0	0	271,836	8,881	0	28,532	59,809	51,307
RETURN ON NET INVESTMENT RATE BASE	1,313,081	350,589	135,614	189,363	0	0	380,714	25,566	0	82,135	77,722	71,378
TOTAL	5,773,845	2,524,981	397,159	650,606	0	0	1,114,954	183,264	95,852	236,950	267,357	302,723

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 (%)
Residential	312,900	857,260	51.23%	51.23%	51.23%	2.30	1,971,699	46.99%	46.99%	46.99%	4.85	173,238	32.94%	32.94%	32.94%	32.94%
Multifamily Residential	92,900	254,521	15.21%	15.21%	15.21%	1.98	502,678	11.98%	11.98%	11.98%	4.23	44,806	8.52%	8.52%	8.52%	8.52%
Commercial	106,610	292,082	17.45%	17.45%	17.46%	1.65	481,936	11.49%	11.49%	11.49%	3.60	43,812	8.33%	8.33%	8.33%	8.33%
Industrial	83,700	229,315	13.70%	13.70%	13.70%	1.05	240,781	5.74%	5.74%	5.74%	2.15	20,543	3.91%	3.91%	3.91%	3.91%
Public Authority	8,550	23,425	1.40%	1.40%	1.40%	1.65	38,651	0.92%	0.92%	0.92%	3.60	3,514	0.67%	0.67%	0.67%	0.67%
Harrison Utilities	20	56	0.00%	0.00%	0.00%	1.45	81	0.00%	0.00%	0.00%	2.95	7	0.00%	0.00%	0.00%	0.00%
Public Fire Protection	6,108	16,734	1.00%	1.00%	1.00%		960,000	22.88%	22.88%	22.88%		240,000	45.63%	45.63%	45.63%	45.63%
TOTALS	610,788	1,673,393	100%	100%	100%		4,195,825	100%	100%	100%		525,920	100%	100%	100%	100%

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

Maximum Day Demand = 4,892,484 (GAL/DAY) SUM OF GENERAL SERVICE AVERAGE AND MAXIMUM DAY EXTRA CAPACITY DEMAND

Maximum Hour Demand = 354,947 (GAL/HR) SUM OF GENERAL SERVICE AVERAGE AND MAXIMUM HOUR EXTRA CAPACITY DEMAND

1.53 = NON-COINCIDENT / COINCIDENT RATIO FOR MAX DAY

1.85 = 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	8,155	60	33	0	1	1	0	0	0	0	0	0	0	8,250	89%
Multifamily Residential	0	1	16	0	140	53	0	4	4	0	0	0	0	218	2%
Commercial	445	19	166	0	63	63	0	13	4	1	0	0	0	774	8%
Industrial	1	0	2	0	1	3	0	4	5	1	0	0	0	17	0%
Public Authority	2	0	3	0	3	8	0	5	2	0	0	0	0	23	0%
Harrison Utilities	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0%
TOTALS	8,603	80	220	0	208	128	0	26	15	3	0	0	0	9,283	100%

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
Residential	8,155	90	83	0	5	8	0	0	0	0	0	0	0	8,341	68%
Multifamily Residential	0	2	40	0	700	424	0	60	100	0	0	0	0	1,326	11%
Commercial	445	29	415	0	315	504	0	195	100	50	0	0	0	2,053	17%
Industrial	1	0	5	0	5	24	0	60	125	50	0	0	0	270	2%
Public Authority	2	0	8	0	15	64	0	75	50	0	0	0	0	214	2%
Harrison Utilities	0	0	0	0	0	0	0	0	0	50	0	0	0	50	0%
TOTALS	8,603	120	550	0	1,040	1,024	0	390	375	150	0	0	0	12,252	100%

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
Residential	8,155	66	43	0	2	3	0	0	0	0	0	0	0	8,269	83%
Multifamily Residential	0	1	21	0	280	159	0	16	20	0	0	0	0	497	5%
Commercial	445	21	216	0	126	189	0	52	20	6	0	0	0	1,075	11%
Industrial	1	0	3	0	2	9	0	16	25	6	0	0	0	62	1%
Public Authority	2	0	4	0	6	24	0	20	10	0	0	0	0	66	1%
Harrison Utilities	0	0	0	0	0	0	0	0	0	6	0	0	0	6	0%
TOTALS	8,603	88	286	0	416	384	0	104	75	18	0	0	0	9,974	100%

ALLOCATION OF SERVICE COST FUNCTIONS TO CUSTOMER CLASSES

	TOTAL	Residential	Multifamily Residential	Commercial	Industrial	Public Authority	Harrison Utilities	Public Fire Protection
	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)
BASE COSTS:								
SYSTEM	2,524,981	1,293,519	384,046	440,723	346,013	35,345	84	25,250
DISTRIBUTION	397,159	203,467	60,409	69,324	54,427	5,560	0	3,972
EXTRA-CAPACITY COSTS:								
MAXIMUM-DAY SYSTEM	650,606	305,732	77,945	74,729	37,336	5,993	13	148,858
MAXIMUM-DAY DISTRIBUTION	0	0	0	0	0	0	0	0
MAXIMUM-HOUR SYSTEM	0	0	0	0	0	0	0	0
MAXIMUM-HOUR DISTRIBUTION	1,114,954	367,271	94,991	92,884	43,551	7,449	0	508,808
MAXIMUM-HOUR STORAGE	183,264	60,368	15,614	15,267	7,159	1,224	0	83,632
CUSTOMER COSTS:								
BILLING	95,852	85,185	2,251	7,992	176	237	10	
EQUIVALENT METERS	236,950	161,303	25,635	39,695	5,222	4,129	967	
EQUIVALENT SERVICES	267,357	221,651	13,320	28,808	1,651	1,766	161	
FIRE PROTECTION	302,723							302,723
TOTAL COST	5,773,845	2,698,496	674,210	769,421	495,534	61,705	1,235	1,073,243
LESS OTHER REVENUE	512,340	158,486	39,597	45,189	29,103	3,624	0	236,340
COST OF SERVICE	5,261,505	2,540,010	634,613	724,232	466,431	58,081	1,235	836,903
REVENUE AT PRESENT RATES	4,334,224	2,159,674	497,652	610,254	374,118	50,055	2,733	639,738
DIFFERENCE	927,281	380,336	136,961	113,978	92,313	8,026	(1,498)	197,165
PERCENT INCREASE/DECREASE	21.39%	17.61%	27.52%	18.68%	24.67%	16.03%	-54.81%	30.82%

**Fox Crossing Utilities
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	\$2,159,674	\$2,540,010	17.61%	\$2,544,594	17.82%	100.18%
Multifamily Residential	\$497,652	\$634,613	27.52%	\$630,242	26.64%	99.31%
Commercial	\$610,254	\$724,232	18.68%	\$727,879	19.27%	100.50%
Industrial	\$374,118	\$466,431	24.67%	\$460,052	22.97%	98.63%
Public Authority	\$50,055	\$58,081	16.03%	\$59,131	18.13%	101.81%
Harrison Utilities	\$2,733	\$1,235	-54.81%	\$2,733	0.00%	221.31%
Public Fire Protection	\$639,738	\$836,903	30.82%	\$837,238	30.87%	100.04%
Total	<u>\$4,334,224</u>	<u>\$5,261,505</u>	<u>21.39%</u>	<u>\$5,261,869</u>	<u>21.40%</u>	<u>100.01%</u>

Fox Crossing Utilities
Proposed Water Rates and Rules

Fox Crossing Utilities
Water Rate File Changes

New

Mg-1R
Mg-1MF
Mg-1NR
W-1
NSM-1
Am-1

Amended

PWAC-1
F-1
Upf-1
OC-1
Mpa-1
Ug-1
Sws-1
Sg-1
BW-1
R-1
Cz-1
X-1
X-2
X-3

Deleted

Mg-1
MI-1

Public Service Commission of Wisconsin

Fox Crossing Utilities

Purchased Water Adjustment Clause

Fox Crossing Utilities (utility) may apply a purchased water adjustment clause (PWAC) to its water rates set forth under Schedules F-1, Mg-1R, Mg-1MF, and Mg-1NR to reflect an increase or decrease in the rates charged by its wholesale water supplier, Menasha Electric and Water Utilities (wholesaler), **and only when the wholesaler’s rates are adjusted through the conventional rate case process.** Adjustments under this PWAC that result in an increase cannot be effective until the utility has filed the PWAC application with the Public Service Commission (Commission), the utility provides notice to its customers of such change in rates, and the Commission holds a public hearing and authorizes the rate adjustments in a Final Decision.

Calculation of Adjusted Quarterly / Monthly Public Fire Protection Service Charges - - - F-1

$$C = Z \times (1 + P)$$

$$P = (N - B) / T$$

Where: C = Adjusted Schedule F-1 quarterly retail service charges rounded up to the nearest cent.

Z = Current Schedule F-1 direct quarterly retail service charges.

P = Adjustment factor rounded up to the nearest hundredth of a percent, which is four places past the decimal point (.XXXX).

N = New quarterly wholesale public fire protection service charge.

B = Current quarterly wholesale public fire protection service charge.

T = Total quarterly dollar revenue from quarterly retail service charges per rate Schedule F-1.

Public Service Commission of Wisconsin

Fox Crossing Utilities

Purchased Water Adjustment Clause

Calculation of Adjusted Quarterly / Monthly Service Charges - - - Mg-1R, Mg-1MF, Mg-1NR

$$C = Z \times (1 + P)$$

$$P = (N - B) / T$$

Where: C = Adjusted Schedule Mg-1R, Mg-1MF, and Mg-1NR quarterly retail service charges rounded up to the nearest cent.

Z = Current Schedule Mg-1R, Mg-1MF, and Mg-1NR quarterly retail service charges.

P = Adjustment factor rounded up to the nearest hundredth of a percent, which is four places past the decimal point (.XXXX).

N = New quarterly wholesale service charge.

B = Current quarterly wholesale service charge.

T = Total quarterly dollar revenue from quarterly retail service charges per Schedules Mg-1R, Mg-1MF, and Mg-1NR.

Commodity Charge Adjustment - - - Mg-1R, Mg-1MF, and Mg-1NR

$$AVBR = VBR + A$$

Where: AVBR = Adjusted Schedule Mg-1R, Mg-1MF, and Mg-1NR retail volume block rates rounded up to the nearest cent.

VBR = Current Schedule Mg-1R, Mg-1MF, and Mg-1NR retail volume block rates.

A = New wholesale volume charge less the current wholesale volume charge.

Public Service Commission of Wisconsin

Fox Crossing Utilities

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.

Quarterly Public Fire Protection Service Charges:

	<u>Quarterly</u>	<u>Monthly</u>		<u>Quarterly</u>	<u>Monthly</u>
5/8 - inch meter:	\$ 17.22	5.74	3 - inch meter:	\$ 258.00	86.00
3/4 - inch meter:	\$ 17.22	5.74	4 - inch meter:	\$ 429.00	143.00
1 - inch meter:	\$ 42.87	14.29	6 - inch meter:	\$ 858.00	286.00
1 1/4 - inch meter:	\$ 63.45	21.15	8 - inch meter:	\$ 1,374.00	458.00
1 1/2 - inch meter:	\$ 85.74	28.58	10 - inch meter:	\$ 2,058.00	686.00
2 - inch meter:	\$ 138.00	46.00	12 - inch meter:	\$ 2,745.00	915.00

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

Fox Crossing Utilities

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.

Quarterly Private Fire Protection Service Demand Charges:

		<u>Quarterly</u>	<u>Monthly</u>
2 - inch or smaller connection:	\$	45.00	15.00
3 - inch connection:	\$	75.00	25.00
4 - inch connection:	\$	120.00	40.00
6 - inch connection:	\$	210.00	70.00
8 - inch connection:	\$	300.00	100.00
10 - inch connection:	\$	450.00	150.00
12 - inch connection:	\$	540.00	180.00
14 - inch connection:	\$	675.00	225.00
16 - inch connection:	\$	810.00	270.00

Billing: Same as Schedule Mg-1R.

Public Service Commission of Wisconsin

Fox Crossing Utilities

General Service – Metered - Residential

Service Charges:

	<u>Quarterly</u>	<u>Monthly</u>		<u>Quarterly</u>	<u>Monthly</u>
5/8 - inch meter:	\$ 21.00	7.00	3 - inch meter:	\$ 207.00	69.00
3/4 - inch meter:	\$ 30.00	10.00	4 - inch meter:	\$ 330.00	110.00
1 - inch meter:	\$ 42.00	14.00	6 - inch meter:	\$ 660.00	220.00
1 1/4 - inch meter:	\$ 60.00	20.00	8 - inch meter:	\$ 1,104.00	368.00
1 1/2 - inch meter:	\$ 75.00	25.00	10 - inch meter:	\$ 1,437.00	479.00
2 - inch meter:	\$ 117.00	39.00	12 - inch meter:	\$ 1,650.00	550.00

Plus Volume Charges:

First	6,000	gallons used each quarter:	
	2,000	gallons used each month:	\$5.54 per 1,000 gallons
Next	10,000	gallons used each quarter:	
	3,333	gallons used each month:	\$6.20 per 1,000 gallons
Over	16,000	gallons used each quarter:	
	5,333	gallons used each month:	\$6.82 per 1,000 gallons

Billing: Bills for water service are rendered quarterly and become due and payable upon issuance following the period for which service is rendered. A late payment charge of 1 percent per month will be added to bills not paid within 20 days of issuance. This late payment charge will be applied to the total unpaid balance for utility service, including unpaid late payment charges. The 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. Unless payment or satisfactory arrangement for payment is made within the next 10 days, service may be disconnected pursuant to Wis. Adm. 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 customers include single-family homes, duplexes, and individually-metered condominiums, apartments, and mobile homes.

Public Service Commission of Wisconsin

Fox Crossing Utilities

General Service – Metered – Multifamily Residential

Service Charges:

		<u>Quarterly</u>	<u>Monthly</u>			<u>Quarterly</u>	<u>Monthly</u>
5/8 - inch meter:	\$	21.00	7.00	3 - inch meter:	\$	207.00	69.00
3/4 - inch meter:	\$	30.00	10.00	4 - inch meter:	\$	330.00	110.00
1 - inch meter:	\$	42.00	14.00	6 - inch meter:	\$	660.00	220.00
1 1/4 - inch meter:	\$	60.00	20.00	8 - inch meter:	\$	1,104.00	368.00
1 1/2 - inch meter:	\$	75.00	25.00	10 - inch meter:	\$	1,437.00	479.00
2 - inch meter:	\$	117.00	39.00	12 - inch meter:	\$	1,650.00	550.00

Plus Volume Charges:

First	6,000	gallons used each quarter:	
	2,000	gallons used each month:	\$5.54 per 1,000 gallons
Next	10,000	gallons used each quarter:	
	3,333	gallons used each month:	\$6.20 per 1,000 gallons
Over	16,000	gallons used each quarter:	
	5,333	gallons used each month:	\$6.82 per 1,000 gallons

Billing: Same as Mg-1R.

Combined Metering: Same as Mg-1R.

Multifamily Residential customers include master-metered multifamily dwelling units such as condominium complexes, apartment buildings, and mobile home parks.

Public Service Commission of Wisconsin

Fox Crossing Utilities

General Service – Metered - Nonresidential

Service Charges:

	<u>Quarterly</u>	<u>Monthly</u>		<u>Quarterly</u>	<u>Monthly</u>
5/8 - inch meter:	\$ 21.00	7.00	3 - inch meter:	\$ 207.00	69.00
3/4 - inch meter:	\$ 30.00	10.00	4 - inch meter:	\$ 330.00	110.00
1 - inch meter:	\$ 42.00	14.00	6 - inch meter:	\$ 660.00	220.00
1 1/4 - inch meter:	\$ 60.00	20.00	8 - inch meter:	\$ 1,104.00	368.00
1 1/2 - inch meter:	\$ 75.00	25.00	10 - inch meter:	\$ 1,437.00	479.00
2 - inch meter:	\$ 117.00	39.00	12 - inch meter:	\$ 1,650.00	550.00

Plus Volume Charges:

First	48,000	gallons used each quarter:	
	16,000	gallons used each month:	\$5.66 per 1,000 gallons
Next	651,000	gallons used each quarter:	
	217,000	gallons used each month:	\$5.56 per 1,000 gallons
Over	699,000	gallons used each quarter:	
	233,000	gallons used each month:	\$5.23 per 1,000 gallons

Billing: Same as Mg-1R.

Combined Metering: Same as Mg-1R.

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

Fox Crossing Utilities

Wholesale Water Service

Wholesale water service to the Harrison Utilities shall be provided at the following rate:

General Service

Service Charge: \$ 660.00 per quarter (\$220.00 per month)

Volume Charge: \$ 4.57 per 1,000 gallons

Billing: Same as Schedule Mg-1R.

Public Service Commission of Wisconsin

Fox Crossing Utilities

Non-Standard Meter Service

The utility shall assess a charge of \$19.50 per quarter (or \$6.50 per month) to a customer who is provided service under Schedule Mg-1R and who requests a non-standard meter. The utility may only charge a customer one NSM charge for customers with both water and electric services.

If a customer establishes service at a new location on which a standard meter is installed, and the customer requests non-standard meter service, the utility shall assess the customer a one-time charge, based on actual utility costs, for the installation of a non-standard meter.

If a customer requests initial service at a location where a non-standard meter is installed, the utility may not assess a charge for installing a standard meter. The utility may not charge an existing customer who chooses to convert from a non-standard meter to a standard meter.

Billing: Same as Schedule Mg-1R.

Public Service Commission of Wisconsin

Fox Crossing Utilities

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 \$50.00 and a quarterly rental fee for the use of this additional meter.

Quarterly Additional Meter Rental Charges:

5/8 - inch meter:	\$	10.50
3/4 - inch meter:	\$	15.00
1 - inch meter:	\$	21.00
1 1/4 - inch meter:	\$	30.00
1 1/2 - inch meter:	\$	37.50
2 - inch meter:	\$	58.50

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

Fox Crossing Utilities

Other Charges

Payment Not Honored by Financial Institution Charge: The utility shall assess a \$30.00 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.

Missed Appointment Charge: The utility shall assess a missed appointment charge when a customer, without providing reasonable cancellation notice, fails to be present at the customer’s location for an appointment scheduled with utility personnel. The utility may not apply the charge for the first such missed appointment during normal business hours. The utility shall apply the charge for the first such missed appointment after normal business hours.

During normal business hours:	\$28.00
After normal business hours:	\$48.00

Real Estate Closing Account Charge: The utility shall assess a \$10.00 charge whenever a customer or the customer’s agent requests written documentation from the utility of the customer’s account status in connection with a real estate closing.

Billing: Same as Schedule Mg-1R.

Public Service Commission of Wisconsin

Fox Crossing Utilities

Public Service

Metered Service

Water used by the Village of Fox Crossing 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

Fox Crossing Utilities

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 9,000 gallons of water quarterly (3,000 gallons monthly) under Schedule Mg-1R, including the service charge for a 5/8-inch meter. If the utility determines that actual usage exceeds 9,000 gallons of water quarterly, 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

Fox Crossing Utilities

Standby Water Service

A standby charge shall apply to each lot or equivalent parcel of land for which water system facilities are available but are not connected. An equivalent parcel of land shall be each full 100 feet where unplatted. An isolated parcel of less than 100 feet shall be equivalent to a lot. Where more than one lot or equivalent is used as a unit and a customer is connected, the total charge for water service to such customer shall be not less than the standby charge applicable to the several lots. This rate is not applicable to land declared by the local municipality as unbuildable.

For each lot or equivalent parcel of land - \$10.50 per quarter.

For each lot or equivalent parcel of land - \$3.50 per month.

Example: An unplatted 480 foot parcel of land would constitute four equivalent parcels.

Billing: Same as Schedule Mg-1R.

Public Service Commission of Wisconsin

Fox Crossing Utilities

Seasonal Service

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 Schedule 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, or 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

Fox Crossing Utilities

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 \$50.00 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

Fox Crossing Utilities

Reconnection Charges

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: \$50.00

After normal business hours: \$75.00

Billing: Same as Schedule Mg-1R.

Public Service Commission of Wisconsin

Fox Crossing Utilities

Water Lateral Installation Charge
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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

Fox Crossing Utilities

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

Fox Crossing Utilities

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.

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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.

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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.

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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.

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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.

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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.

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Fox Crossing Utilities

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

Fox Crossing Utilities

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

Fox Crossing Utilities

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

Fox Crossing Utilities

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.

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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.

Fox Crossing Utilities
Customer Water Bill Comparison at Present and Proposed Rates

Customer Type	Meter Size	Volume (1000 Gallons)	Quarterly			Quarterly Including Public Fire Protection		
			Bills at Old Rates	Bills at New Rates	Percent Change	Bills at Old Rates	Bills at New Rates	Percent Change
Small Residential	5/8"	5	\$ 42.05	\$ 48.70	15.81%	\$ 55.19	\$ 65.92	19.44%
Average Residential	5/8"	9	\$ 61.92	\$ 72.84	17.64%	\$ 75.06	\$ 90.06	19.98%
Large Residential	5/8"	85	\$ 484.02	\$ 586.82	21.24%	\$ 497.16	\$ 604.04	21.50%
Large Residential	5/8"	500	\$ 2,808.02	\$ 3,417.12	21.69%	\$ 2,821.16	\$ 3,434.34	21.74%
Large Residential	1"	175	\$ 1,010.82	\$ 1,221.62	20.85%	\$ 1,043.82	\$ 1,264.49	21.14%
Large Residential	2"	200	\$ 1,225.82	\$ 1,467.12	19.68%	\$ 1,330.82	\$ 1,605.12	20.61%
Multifamily Residential	4"	830	\$ 3,837.40	\$ 5,976.72	55.75%	\$ 4,167.40	\$ 6,405.72	53.71%
Multifamily Residential	4"	900	\$ 4,132.80	\$ 6,454.12	56.17%	\$ 4,462.80	\$ 6,883.12	54.23%
Multifamily Residential	4"	920	\$ 4,217.20	\$ 6,590.52	56.28%	\$ 4,547.20	\$ 7,019.52	54.37%
Multifamily Residential	4"	1,050	\$ 4,765.80	\$ 7,477.12	56.89%	\$ 5,095.80	\$ 7,906.12	55.15%
Commercial	1 1/2"	1,075	\$ 4,804.07	\$ 5,932.72	23.49%	\$ 4,870.07	\$ 6,018.46	23.58%
Commercial	3"	1,200	\$ 5,463.57	\$ 6,718.47	22.97%	\$ 5,661.57	\$ 6,976.47	23.23%
Commercial	4"	1,100	\$ 5,164.57	\$ 6,318.47	22.34%	\$ 5,494.57	\$ 6,747.47	22.80%
Commercial	6"	1,400	\$ 6,760.57	\$ 8,217.47	21.55%	\$ 7,417.57	\$ 9,075.47	22.35%
Industrial	4"	3,700	\$ 16,136.57	\$ 19,916.47	23.42%	\$ 16,466.57	\$ 20,345.47	23.56%
Industrial	4"	4,000	\$ 17,402.57	\$ 21,485.47	23.46%	\$ 17,732.57	\$ 21,914.47	23.58%
Industrial	4"	9,700	\$ 41,456.57	\$ 51,296.47	23.74%	\$ 41,786.57	\$ 51,725.47	23.78%
Industrial	8"	5,200	\$ 23,240.57	\$ 28,535.47	22.78%	\$ 24,290.57	\$ 29,909.47	23.13%
Public Authority	3"	75	\$ 547.59	\$ 628.80	14.83%	\$ 745.59	\$ 886.80	18.94%
Public Authority	3"	80	\$ 570.04	\$ 656.60	15.18%	\$ 768.04	\$ 914.60	19.08%
Public Authority	3"	1,400	\$ 6,307.57	\$ 7,764.47	23.10%	\$ 6,505.57	\$ 8,022.47	23.32%
Public Authority	4"	130	\$ 917.54	\$ 1,057.60	15.26%	\$ 1,247.54	\$ 1,486.60	19.16%