BOARD OF WATERWORKS COMMISSIONERS AGENDA

February 19, 2024 at 3:30 PM

Water Utility Admin Office, 72 Park Avenue, Sheboygan WI

Persons with disabilities who need accommodations to attend this meeting should contact the Sheboygan Water Utility, (920) 459-3805. Persons other than commission, committee, and board members who wish to participate remotely shall provide notice to the Utility at 920-459-3805 at least 24 hours before the meeting so that the person may be provided a remote link for that purpose.

OPENING OF MEETING

1. Pledge of Allegiance

MINUTES

2. Approval of minutes of the January 15, 2024 meeting

REPORTS

3. Financial reports and approval of vouchers

4. Superintendent's report including operations, construction-maintenance, customer relations/fiscal, and raw water improvements project.

ITEMS FOR DISCUSSION AND POSSIBLE ACTION

5. Review LSL program and plan to engage WIPSC on updates

6. Review WI PSC rate case schedule and cost of service study results

7. Approval of bids for Lincoln/Swift Avenue LSL project

8. Approval of bids for S. 11th Street LSL project

9. Purchase of replacement GPS unit

10. Approval of 2024 contract for lawn services

11. Approval for purchase of water meters

PERSONNEL

12. Approval of comptime rollover modification

13. Review and approval of 2023 eval/perf results

NEXT MEETING

14. Next meeting will take place on: March 18, 2024

ADJOURN

15. Motion to Adjourn

In compliance with Wisconsin's Open Meetings Law, this agenda was posted in the following locations more than 24 hours prior to the time of the meeting:

City Hall • Mead Public Library
Sheboygan County Administration Building • City's website

City of Sheboygan
spirit on the lake Water Utility

REPORT OF BILLING

JANUARY 2024

		2024	2023	Increase or (Decrease)
Quarterly Metered*				
(Dist II - between Union and Superior Ave.)	Residential	194,336.85	193,901.70	435.15
	Multi-Family	27,411.15	27,027.78	383.37
	Commercial	64,519.29	65,291.83	(772.54)
	Industrial	5,483.92	5,841.14	(357.22)
	Public	14,242.10	10,285.38	3,956.72
	Subtotal	**305,993.31**	**302,347.83**	**3,645.48**

* *Billing for scheduled district only for the three preceding months usage.*

Public Fire Protection	70,205.53	70,031.32	174.21
Monthly Metered	293,143.50	318,385.22	(25,241.72)
Sheboygan Net	**669,342.34**	**690,764.37**	**(21,422.03)**
Sheboygan Falls	45080.53	47101.84	(2,021.31)
Kohler	24907.04	25713.53	(806.49)
Total	**739,329.91**	**763,579.74**	**(24,249.83)**

Total accumulative billing for 2024 is $739,329.91. A decrease of $24,249.83 from 2023 accounted for as follows:

	2024-Total Year to Date
Sheboygan	(21,422.03)
Sheboygan Falls	(2,021.31)
Kohler	(806.49)
	(24,249.83)

Total bills mailed January, 2024: 6,338

Residential	5,255	Wholesale	5
Multi-Family	112	Multi-Family	9
Commercial	778	Commercial	22
Industrial	34	Industrial	65
Public	54	Public	4
Quarterly	**6,233**	**Monthly**	**105**

City of Sheboygan
spirit on the lake Water Utility

CASH RESERVE
January 31, 2024

Ending balance on report for November 30, 2023		9,195,913.78
Plus:	Receipts	442,556.28
	Misc Receipts	37,543.43
	Direct Pay Receipts	424,688.81
	LSL Repayment	62,224.65
	Money Market/CDARs Investment Interest	12,310.44
Minus:		
	Disbursements - vendors and payroll	(1,233,415.40)
	Bank Service Fees & Credits	206.30
	Health & Dental Claims/Adm Costs	(73,607.16)
	NSF Checks & Customer Refunds	(912.02)
	Invoice Cloud/Paymentech Deposit Fees	(8,165.14)
	Reallocate Sewer/Garbage - payments	1,471.94
	Reallocate Sewer/Garbage - monthly	(288.57)
	SDWL RWI Reimbursement	-
	WRS Preliminary Reconciliation	(473.18)
	Automated Credit Card Payments	(3,865.38)
	Utility Water Payments	(6,419.61)
Ending Balance January 31, 2024		**$ 8,849,769.17**

Note: The above amount includes:

Bond Reserve Fund	612,359.69
LSL Revolving Loan Fund *	407,106.01
Money Market Investment	1,021,223.65
ARPA Money Market Restricted - RWI	289,129.53
6 Month CD	512,779.92
3 Month CD	1,547,560.13
9 Month CD	1,030,375.00
Total	**$ 5,420,533.93**

General Unrestricted Operating Cash 3,429,235.24

*LSL revolving loan fund is cash available for funding LSL replacement and comes from customer repayment of LSL loans.

City of Sheboygan
spirit on the lake Water Utility

APPROVAL OF VOUCHERS

January 31, 2024

Total Of The General Vouchers	$	1,009,947.84
Gross Payroll	$	206,861.80
Net Payroll	$	127,998.09

BOARD OF WATER COMMISSIONERS

PRESIDENT

SECRETARY

MEMBER

SUPERINTENDENT

January 2024

OPERATIONS' DEPARTMENT MONTHLY REPORT

	HIGH LIFT		LOW LIFT		2024 VS 2023
PUMPAGE	**2023**	**2024**	**2023**	**2024**	HL
Total in MG	350.916	336.917	361.303	348.611	-3.99%
Daily Average (MG)	11.320	10.885	11.655	11.246	
Max. Day (MG)	13.403	12.648	13.614	13.145	2024 VS 2022
					HL
Gal/KwH	1,201	1,237	4,941	4,872	-7.54%

ELECTRICAL COSTS					
	2023		**2024**		
A. Pumping:	**KwH**	**$**	**KwH**	**$**	
High Lift	292,078	$24,984.26	268,866	$23,818.89	
Low Lift	73,129	$6,255.43	71,103	$6,299.01	
Wash Pump 1	3,500	$299.39	3,500	$310.07	
Georgia St. Bstr.	48,300	$5,271.05	48,000	$5,153.54	
Wilgus Ave. Bstr.	3,000	$425.75	3,300	$480.33	
EE Pit / Bstr.	5,741	$776.37	5,311	$742.28	
Erie Ave. Bstr.	14,000	$2,272.72	15,200	$2,639.69	$/KwH
Sub Total	439,748	**$40,284.97**	415,280	**$39,443.81**	3.7%
B. Treat./Fiscal/Misc.	**KwH**	**$**	**KwH**	**$**	
Office & Maint. Bldg.	5,674	$772.10	5,101	$722.21	
Filter Plant / Pump Station / 2nd Service	74,093	$7,000.73	101,631	$9,587.89	
					$/KwH
Sub Total	79,767	**$7,772.83**	106,732	**$10,310.10**	-0.9%
C. Distribution:	**KwH**	**$**	**KwH**	**$**	
Taylor Hill Tank	3,042	$422.87	3,387	$482.84	
Horizon Tower			2,637	$402.44	
EE Tower	1,400	$206.14	1,353	$206.92	
Washington (PRV) Pit	826	$135.57	833	$141.89	
Sub Total	5,268	**$764.58**	8,210	**$1,234.09**	$/KwH
Total Electrical Costs	**524,783**	**$48,822.38**	**530,222**	**$50,988.00**	3.4%
Electrical Cost / MG		$139.13		$151.11	

	2023		**2024**		
NATURAL GAS COSTS	CCF Used	Cost	CCF Used	Cost	
Production Facility	1,534	$1,603.41	2,525	$1,441.92	
South Basin	3,188	$3,352.19	3,664	$2,059.75	
Raw Pump Station			1,261	$740.97	
Georgia St. Bstr.	419	$456.78			
Erie Ave. Bstr.			376	$245.67	
Wilgus Ave. Bstr.	48	$66.94			
Office & Maint. Bldg.	1,464	$1,555.36	1,367	$793.09	$/CCF
Total Natural Gas Costs	6,653	**$7,034.68**	9,193	**$5,281.40**	-45.7%
Natural Gas Cost / MG		$20.05		$15.65	

	2023		**2024**		
CHEMICAL COSTS	Lbs. Used	Cost	Lbs. Used	Cost	
Alum	59,955	$12,080.93	60,698	$12,837.63	5.0%
Carbon	0	$0.00	0	$0.00	#DIV/0!
Chlorine	5,804	$11,782.12	5,699	$10,714.12	-7.4%
Fluoride	1,626	$3,286.96	1,504	$3,818.85	25.6%
KMnO4	0	$0.00	0	$0.00	#DIV/0!
Cationic Polymer	0	$0.00	0	$0.00	#DIV/0!
Liquid Phosphate	4,089	$12,508.25	3,961	$11,657.22	-3.8%
Total Chemical Costs		**$39,658.26**		**$39,027.82**	-1.6%
Chemical Cost / MG		$113.01		$115.66	
	Grand Total	**$95,515.32**		**$95,297.22**	-0.23%
	Total Cost / MG	**$272.19**		**$282.42**	3.76%

YTD HL 2024 vs 2023	**-3.84%**	**YTD HL HIGH DAY PUMPAGE**	**12.648**	**January 15, 2024**
YTD HL 2024 vs 2022	**-7.39%**	**YTD HL LOW DAY PUMPAGE**	**8.349**	**January 1, 2024**

NOTE:

	YTD HL Ave Day
2024	**10.885**
2023	**11.320**
2022	**11.754**

COMPARATIVE SUMMARY OF PLANT OPERATIONS

January 2023 **vs** **January 2024**

Pumping Record	**High Lift**				**Low Lift**		
	2023	**2024**	Diff.		**2023**	**2024**	Diff.
Tot. Water in MG	350.916	336.917	-3.99%	Tot. Water in MG	361.303	348.611	-3.51%
Daily Average	11.320	10.885	-3.84%	Daily Average	11.655	11.246	-3.51%
Maximum Day	13.403	12.648	-5.63%	Maximum Day	13.614	13.145	-3.44%
Minimum Day	9.294	8.349	-10.17%	Minimum Day	9.619	8.442	-12.24%
By Natural Gas	0.000	4.879	#DIV/0!	By Natural Gas	0.000	2.220	#DIV/0!
Power in KWH	292,078	268,866	-7.95%	Power in KWH	73,129	71,103	-2.77%
Gals. per KWH	1,201	1,237	2.99%	Gals. per KWH	4,941	4,872	-1.40%
Power $ / KWH	$0.08554	$0.08859	3.57%	Power $ / KWH	----	----	----
Power $ / MG	$71.20	$70.59	($0.61)	Power $ / MG	$17.31	$18.07	$0.76
Tot. Power $/MG	$140.22	$169.78	$29.56	Tot. Power $/MG	----	----	----

Treatment Chem.	Lbs. Used				Cost		
Total Lbs.	**2023**	**2024**	Diff.	Total Cost	**2023**	**2024**	Diff.
Alum	59,955	60,698	1.24%	Alum	$12,080.93	$12,837.63	$756.70
Carbon			#DIV/0!	Carbon	$0.00	$0.00	$0.00
Chlorine	5,804	5,699	-1.81%	Chlorine	$11,782.12	$10,714.12	($1,068.00)
KMnO4	0	0	#DIV/0!	KMnO4	$0.00	$0.00	$0.00
Polymer	0	0	#DIV/0!	Polymer	$0.00	$0.00	$0.00
Liquid Phosphate	4,089	3,961	-3.13%	Liquid Phosphate	$12,508.25	$11,657.22	($851.03)
Lb/ MG:				Cost / MG:			
Alum	165.9	174.1	4.93%	Alum	$33.44	$36.83	$3.39
Carbon	0.0	0.0	#DIV/0!	Carbon	#DIV/0!	#DIV/0!	#DIV/0!
Chlorine	16.1	16.3	1.77%	Chlorine	$32.61	$30.73	($1.88)
KMnO4	0.0	0.0	#DIV/0!	KMnO4	#DIV/0!	#DIV/0!	#DIV/0!
Liquid Phosphate	11.3	11.4	0.40%	Liquid Phosphate	$34.62	$33.44	($1.18)

Fluoride:	**2023**	**2024**		Fluoride:	**2023**	**2024**	
Total Lbs.	1,626	1,504	-7.50%	Cost	$3,286.96	$3,818.85	$531.89
mg/l applied as F	0.72	0.65		Cost/MG	$9.38	$11.33	$1.95
Av. Res. Plt. Tap	0.71	0.70					

Water Quality:	**Raw**			**TAP**	
	2023	**2024**		**2023**	**2024**
Turbidity	7.90	9.20	Turbidity	0.039	0.037
pH	8.25	8.27	pH	7.60	7.58
Alkalinity	114.5	112.4	Alkalinity	104.6	101.3
MF (E-Coli)	1.1	1.0	Plate Count	0.00	0.00
Temperature	34.6	34.6	Colilert	0	0
Wash-H20 % /LL	2.40	2.45	Temp.	35.2	37.6
Av. Flt. Run/hrs	86.3	90.6	Cl Res.	0.89	0.90
Av. ROF / MG	1.39	1.46			

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Natural Gas:						
	2023	**2024**		**2023**	**2024**	Diff.
Nat. Gas Heating	4,660	5,464	Plant & South Basin	$4,890.79	$3,087.82	($1,802.97)
Nat. Gas Pumping	62	725		$64.81	$413.85	$349.04

	CCF	Cost	**Natural Gas Cost**	**Natural Gas CCF**
#3 Gas Pump	223.2	$127.46	**$3,501.67**	**6,189**
#4 Gas Pump	207.0	$118.21		
#7 Gas Pump	112.5	$64.24		
Electric Generator	182.0	$103.93		
Pumping totals	**724.7**	**$413.85**		

January 2024

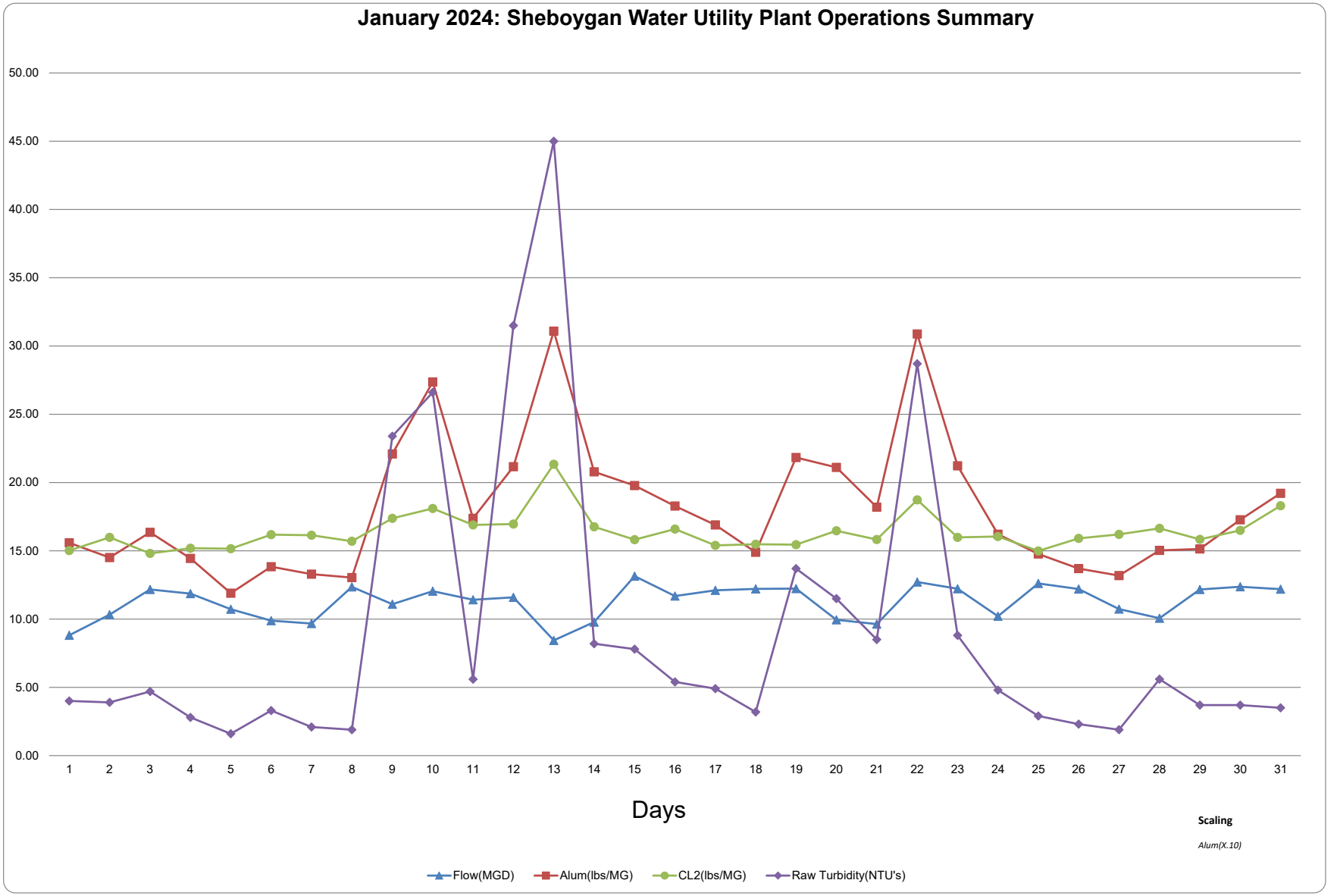
% Run		2/1/2024	1/1/2024	
	Elapsed Time:			
34.0%	No. 6 Pump	76,165.2	75,912.5	252.7
3.82%	Wash Pump Meter	5,952.30	5,923.89	28.41
0.6%	No. 7 Pump	878.4	873.9	4.5
1.9%	No. 8 Pump	59,554.4	59,540.3	14.1
97.6%	No. 9 Pump	34,157.0	33,431.0	726.0
0.0%	No. 11 Pump			
0.0%	No. 12 Pump			
0.0%	No. 13 Pump			
0.0%	No. 14 Pump			
0.9%	Wash Pump 2	191	184	7
	No. 1 Prime Pump	1,059.2	1,057.3	1.9
	No. 2 Prime Pump	1,142.5	1,140.1	2.4
Kw/Hr run	**Watthour Meters:**			
123.2	Wash Pump 1	1334.1	1329.1	3,500
#DIV/0!	No. 14 Pump			
#DIV/0!	No. 13 Pump			
#DIV/0!	No. 12 Pump			
#DIV/0!	No. 11 Pump			
69.5	No. 9 Pump	6396.44	6345.99	50,453
153.9	No. 8 Pump	6843.3	6837.1	2,170
73.1	No. 6 Pump	2851.2	2785.2	18,480
128.2	Wash Pump 2	20.1157	19.3681	897
536.6	No. 1 Pump	10076.96	10040.216	36,744
#DIV/0!	No. 2 Pump	5002.007	5002.007	0
295.7	No. 3 Pump	1372.593	1232.92	139,673
#DIV/0!	No. 4 Pump			0
480.3	No. 5 Pump	13,107.170	13,014.721	92,449
	Garage (MWatt/Hrs.)	1,125.33	1,118.33	7,000
	Power Co. (Step #3)	43,773	43,402	445,200
	Left Meter - OUTSIDE			
	Volume Used:			
	Nat. Gas (Correct)	46,766,794	46,552,910	268,852
	Elapsed Time:			
	Emer. Generator	1,172.0	1,162.9	9.1
% Run	**Elapsed Time:**			
9.2%	No. 1 Pump	18,686.1	18,617.6	68.5
0.0%	No. 2 Pump	21,331.56	21,331.56	0.00
63.5%	No. 3 Elec. Pump	4,685.4	4,213.0	472.4
1.0%	No. 3 Nat. Gas Pump	611.0	603.8	7.2
0.0%	No. 4 Elec. Pump	0.00	0.00	0.0
0.6%	No. 4 Nat. Gas Pump	160.0	155.4	4.6
25.9%	No. 5. Pump	27,404.480	27,212.010	192.470
0.7%	UV Building Generator	186.6	181.4	5.2

		2/1/2024	1/1/2024	
SLUDGE	No. I Hour Meter	0.0	0.0	0
SYSTEM	No. 2 Mag Meter	720,890	615,970	104,920
	Recycle Meter (Reset to zero each month)			104,920

Power Cost	$0.0885902	Bill >>>>	$41,141.29		
	5.755	KWH >>>	464,400		
Init. Chg.	$39,440.36			Low L. KWH	71,103
	$	KWH		L.L. Cost $	$6,299.01
Low L. (1929)	$6,299.01	71,103		High L. KWH	268,866
Low L. (2024)	$0.00	0		H.L. Cost $	$23,818.89
Horizon	$402.44	2,637			
Taylor	$482.84	3,387			
ALT. 72 Park	$575.50	100		Total Cost	$30,117.90
Geo. Ave.	$5,153.54	48,000			
Wilgus Ave.	$480.33	3,300			
EE Pit	$742.28	5,311			
EE Tower	$206.92	1,353		Plant Costs	$9,587.89
Washington	$141.89	833			
Office	$722.21	5,101			
Erie Ave.	$2,639.69	15,200			
Total	$57,287.01	601,525			

SUMMARY

	HIGH LIFT		LOW LIFT	
	2023	2024	2023	2024
Tot. Pump	350.916	337.427	361.303	348.611
Daily Ave.	11.320	10.885	11.655	11.246
Max. Day	13.403	12.648	13.614	13.145
Min. Day	9.294	8.349	9.619	8.442
By Nat. Gas	0.000	4.879	0.000	2.220
Power KWH	292,078	268,866	73,129	71,103
Gals/KWH	1201	1237	4941	4872
Cost/KWH	$0.08554	$0.08859	*******	******
Cost/MG	$71.20	$70.59	$17.31	$18.07
Tot. Cost/MG	$140.22	$169.78	*******	*******


January 2024: Sheboygan Water Utility Plant Operations Summary
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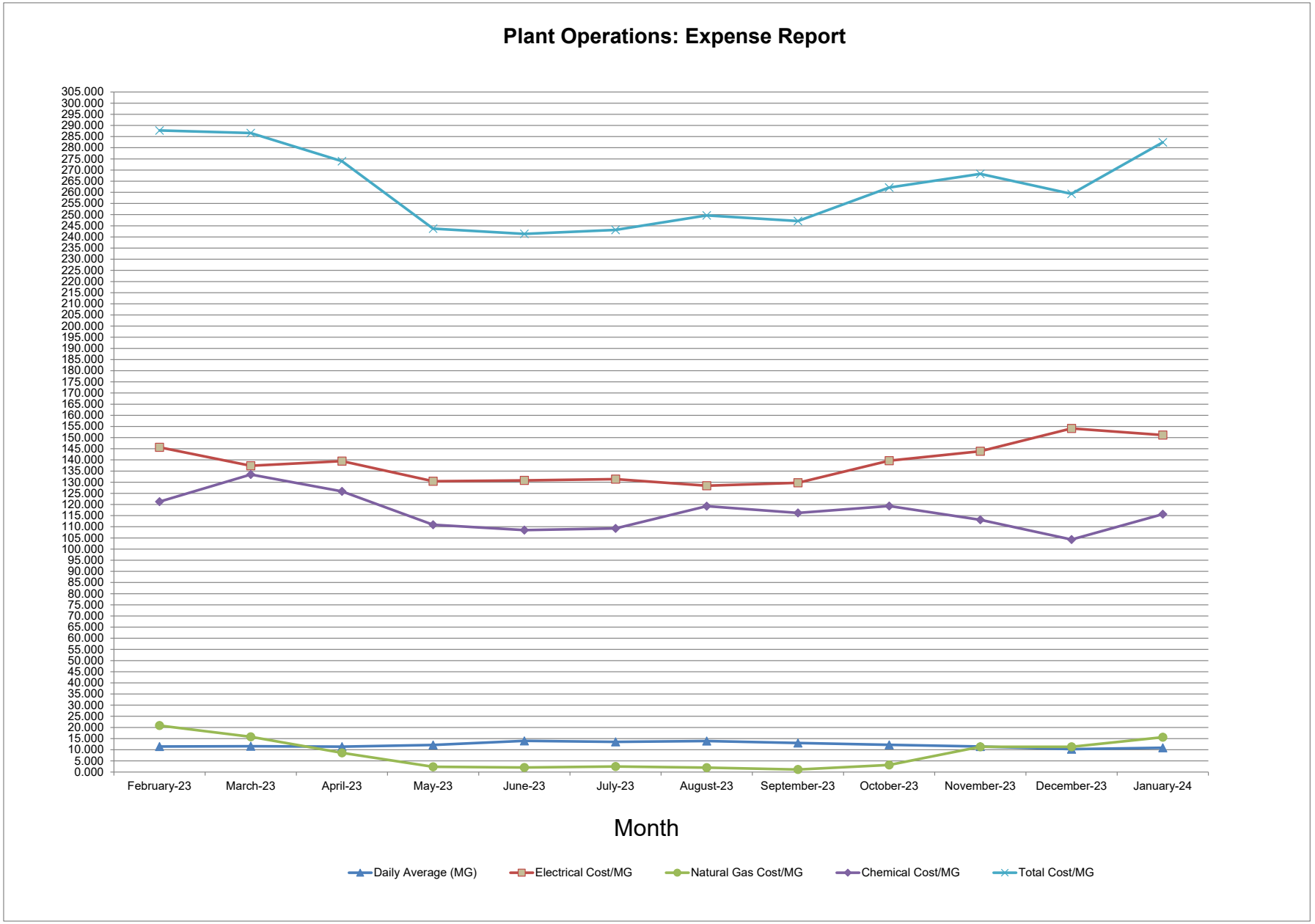
40.00
35.00
30.00
25.00
20.00
15.00
10.00
5.00
0.00
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
Days
Scaling
Alum(X.10)
Flow(MGD)
Alum(lbs/MG)
CL2(lbs/MG)
Raw Turbidity(NTU's)


Plant Operations: Expense Report
305.000
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February-23
March-23
April-23
May-23
June-23
July-23
August-23
September-23
October-23
November-23
December-23
January-24
Month
Daily Average (MG)
Electrical Cost/MG
Natural Gas Cost/MG
Chemical Cost/MG
Total Cost/MG

January 2024

Filter Plant Maintenance Completed For January 2024

Subject	StartDate	EndDate	Description
Utility observed new years	1-Jan-24		
Tuesday Meeting	2-Jan-24		Topics include filter maintenance, coverage, raw water improvement project, Georgia pump 4, etc.
Filter 3 Maintenance	2-Jan-24		Continue removing caps, chipping, and scraping gasket material; Wayne and crew.
H.L. #2 switch gear	2-Jan-24		Trouble shooting high lift #2 switch gear, ordered new coin battery and will replace when they come in
EE tower reset comms	2-Jan-24		Went to EE tower and reset comms, killed power and rebooted sysem
Batteries plus and trillings	2-Jan-24		Checked batteries plus and trillings for #2 switch gear batteries, had to order through amazon
Filter 3 Maintenance	3-Jan-24		Vacuum filter 3 concrete remnants and filter media.
Filter 4 Maintenance	3-Jan-24		Continue removing caps, chipping, and scraping gasket material; Wayne and crew.
Filter 4 Maintenance	3-Jan-24		Begin removing cap screws on north and south sides.
Filter Maintenance Inventory	4-Jan-24		Inventory all parts for filter maintenance on 3 and 4.
Pump 6	4-Jan-24		Disassemble vacuum pot and repair to eliminate vacuum issue on raw water line.
Filter 3 + 4	4-Jan-24		Assist Damian fabricating 2 surface wash pipe brackets out of aluminum.
Low Lift Heating Cage	4-Jan-24		Grind, weld, and prime heater belt drive surround.
Low Lift Heater	4-Jan-24		Disassemble heating unit for repair.
Low Lift Heat	5-Jan-24		Install guard after spot weld and prime.
Filter 3	5-Jan-24		Wash filter after cap removal; minor sand found southern chamber.
Georgia Ave.	5-Jan-24		Install valve wheel adapters on pump 4.
Georgia Ave.	5-Jan-24		Drop of tools and parts for pump 4 repair.
Sodium Thio Barrel	8-Jan-24		Replace sodium thio barrel.
Vacuum Pots on Pumps 9+6.	8-Jan-24		Clean vacuum pots on low lift pumps 9 and 6; East suction line has excessive air causing poor flow meter reads.
Monday Meeting	8-Jan-24		Topics include filter 4 maintenance, Georgia Ave. pump 4, air in East suction line, coverage, and vacation.
New Permanganate Tank	8-Jan-24		Unload and check potassium permanganate tank.
Filter 4 Vacuum	8-Jan-24		Assist crew vacuuming filter 4; Middle of north side has sand infiltration.
Filter 4 Maintenance	8-Jan-24		Continue removing caps and chipping grout.
Dan Covering Laboratory	9-Jan-24	10-Jan-24	Dan covering laboratory for Eric.
UVT% Meter	9-Jan-24		Replace bulb, clean crystal, repair seal damage, and install new desiccant pack.
Filter 3 Wash	9-Jan-24		Wash filter 3 for the second time after cap removal.
Filter 4 Wash	9-Jan-24		Wash filter 4 after cap removal.
Joshua Covering 2nd Shift	9-Jan-24	10-Jan-24	Joshua covering second shift for Glen.
Changed light south basin	9-Jan-24		Replaced light in south basin
Cleaned Hypo analyzers	9-Jan-24		Cleaned south/east/west Hypo analyzers
H.L. Eductor	10-Jan-24		Remover and clean H.L. eductor; suspect it was plugged eliminating its ability to remove air from the 24" low lift line feeding 6+7.
Low Lift Air Leak	10-Jan-24		Troubleshoot air infiltrating the low lift suction line. We suspect the H.L. venturi is plugged.
Raw Water Air Relief	10-Jan-24		Clean out the raw water air relief in the UV room.
Horizon X2	10-Jan-24		Reset radio comms. and PLC after SCADA service.
Dan on vacation	11-Jan-24	12-Jan-24	Dan on vacation
Joshua Covering Laboratory	11-Jan-24	12-Jan-24	Joshua covered the laboratory for Eric.
Rapid Mix Furnace	11-Jan-24		Repair heater inop caused by disconnected limit switch.
Raw Water Sample Pump	11-Jan-24		Rebuild raw water sample pump; mechanical seal, spring, and O-ring replaced
Joshua Covering 1st	11-Jan-24	12-Jan-24	Joshua covering 1st shift for Glen.
West UV reference check	15-Jan-24		Completed west reactor UV reference check
Security cameras	15-Jan-24		Reset security cameras by low lift Scada panel
UV Reference Check Paperwork	15-Jan-24		Fill out reference sensor paperwork.
Snow Removal	15-Jan-24		Remove snow from fluoride walk and outside hypo doors.
Kohler Tower	15-Jan-24		Access building and reset SCADA system.
Georgia Ave.	15-Jan-24		Reset radio communication device, check building, and jam cell tower building door shut.
Dan 2 hours app	16-Jan-24		Dan 2 hours Medical app
Alum Fill	16-Jan-24		Deice and free bulk alum fill point.
Georgia Ave.	16-Jan-24		Begin disassembling pump 4.
Impellor Stands	16-Jan-24		Fabricate 2 new impellor repair stands.
Georgia Ave.	17-Jan-24		Pickup impellor and clean area.
Georgia Pump 4	17-Jan-24		Begin cleaning up impellor bearing seats and shaft.
H.L. Area	18-Jan-24		Assemble arbor press and parts washer.
Truck 10	18-Jan-24		Install sway links and wheels; all 4 ball joints are loose.
Harbor Freight	18-Jan-24		Purchase arbor press, parts washer, cleaning brushes, Allen wrenches, and degreaser.
Menards	18-Jan-24		Purchase cleaning supplies, WD40, Brillo pads, rubber gloves, and sand paper.

Yellow indicates days operating or running labs

Georgia Pump 4	18-Jan-24		Continue tearing down impellor and bearings.
Dan operating 1st shift	18-Jan-24	19-Jan-24	Dan Covering 1st shift operations
Trouble shoot back wash basin	19-Jan-24		Trouble shooting back wash basin valves not working with SCADA
Removed plant garbage	19-Jan-24		Removed plant garbage
Plant snow removal	19-Jan-24		Removed snow from around back wash basin and steps
Snow Removal	19-Jan-24		Remove snow from sidewalks and back basin area.
Georgia Pump 4	19-Jan-24		Contact Shawn at Mesco about upgraded bearings and seals for pump ends.
Georgia Pump 4	19-Jan-24		Scale, degrease, and wire wheel all applicable components.
Changed HYPO hoses	19-Jan-24		Changed HYPO hoses on east/west/south hypo feed pumps
Monday Morning Meeting	22-Jan-24		Topics include check valve status (Feb. 16th), intake, Georgia comms, SCADA computers, Georgia pump 4, coverage, etc.
L.L. Bathroom	22-Jan-24		Clean toilet, urinal, shower, and floor.
Filter 4	22-Jan-24		Vacuum and wash.
Menards	22-Jan-24		Purchase dish soap, flints, power strips, etc.
Filter 3	22-Jan-24		Vacuum filter media.
Filter 4	22-Jan-24		Plug primary openings, drill out 8 secondary openings, and wash.
Kohler Reserviour	22-Jan-24		Reset SCADA communications.
Checked plant Feed pumps	22-Jan-24		Maintenance check on plant chemical feed pumps
Maintenance checks Heaters	22-Jan-24		Maintenance checks on plant heaters.
Trillings hardware	22-Jan-24		Trillings hardware for striker flints
Thermostat insulation box	23-Jan-24		Installed insulation box behind thermostat on heater by No#1 filter
sodium thio barrels	23-Jan-24		Placed sodium thio barrels in chemical feed room.
Wash line brackets	23-Jan-24		Installed new wash line brackets for filter #3 and #4
Josh on main break with crew	23-Jan-24		Josh went on main break with crew on Saemann Ave
Vacuumed filters 3 & 4	23-Jan-24		Glen vacummed sand from filter under-drain system on filters #3 and #4
Filter 3	23-Jan-24		Wash filter.
Engraved Milwaukee batteries	23-Jan-24		Engraved filter plant maintenance shop Milwaukee tool batteries
Milwaukee Batteries	23-Jan-24		Clean, label, charge, and organize; 19 M18 + 4 M12.
Filter 4	24-Jan-24		Vacuum filter media.
Trilling's	24-Jan-24		Purchase striker flint.
Dakota Supply Group	24-Jan-24		Purchase screw driver set and order 2" annular bit.
Back to summer OPS	24-Jan-24		Closed bypass to suction well and put plant back in summer OPS
Front Gate	24-Jan-24		Reset unit and check operation = okay at this time.
Filter 4	24-Jan-24		Wash and check media remains.
Filter 4	24-Jan-24		Drill hole in South/East section and wash.
Reservoir checks	24-Jan-24		Checked reservoirs and filled reagents at Wilgus, Erie, Taylor Hill, Georgia
Laboratory and Operations Floor	25-Jan-24		Sweep and mop laboratory and operations floors.
Filter 4	25-Jan-24		Wash filter and check media intrusion.
Filter 4	25-Jan-24		Plug 2 primary holes and drill 4 secondary holes South East section.
Dan Operating 1st	25-Jan-24	26-Jan-24	Dan covering first shift for Glen.
Joshua Covering 2nd Shift	26-Jan-24	29-Jan-24	Joshua covering 2nd shift for Jeff.
Dan 1st shift for Tyler	26-Jan-24	27-Jan-24	Dan covering 1st shift operations for Tyler
Dan covering Lab	26-Jan-24	27-Jan-24	Dan covering lab ops
Joshua off for Coverage	29-Jan-24	30-Jan-24	Joshua off for covering 2nd shift
Georgia reservoir	29-Jan-24		Replaced HYPO reagents at Georgia pump station
Horizon tower	29-Jan-24		Checked reagents and tower at Horizon
South basin Flocs	29-Jan-24		Greased south basin flocs
East HYPO analyzers	29-Jan-24		Filled reagents on East basin Hypo analyzer
Monday Ops meeting	29-Jan-24		Monday operations update meeting
light bulb replacement	30-Jan-24		Replaced light bulbs in pipe gallery by filter #1 and filter #3
T-8 bulbs pipe gallery	30-Jan-24		Replaced T-8 light bulbs by filter #2
Replaced light fixture	30-Jan-24		Replaced seal tight light fixture by west basin floc drives in pipe gallery
Trash Out	31-Jan-24		Remove plant garbage.
Pump 4 Assembly	31-Jan-24		Press end bearings into housing and test fit components.
Georgia Ave.	31-Jan-24		Drop off pump 4 impellor, parts, and tools.
Georgia Ave.	31-Jan-24		Begin cleaning pump housing.

City of Sheboygan
spirit on the lake Water Utility

MONTHLY DISTRIBUTION DEPARTMENT REPORT

January 2024

Distribution System Maintenance:

- Repaired main breaks throughout the city.
- Temporary patches poured for water main break service holes.
- Worked on repairing street barricades.
- Trucked out spoils.
- Hauled in fill to replenish stock.

Taps:

- 2” tap at 1244 Heerman Ct.
- 1” tap at 903 High Avenue . LSL was removed from system.

Building/Grounds Maintenance:

- General shop maintenance and cleaning.
- Aided Operations in prep work on filters 3 and 4.
- Started remodel of office and meter shop offices.

Equipment Maintenance:

- Performed routine maintenance and repairs on construction equipment and vehicle fleet.

Engineering:

- Obtained WDNR approval for Lincoln Avenue watermain project.
- Finished Lincoln Ave and Swift Ave LSL project design and posted to bid.
- Monthly map and database updates.
- Started as-builts for 2023 watermain projects.

Training:

- C/M and Engineering staff attended virtual training for WDNR certification preparation.

City of Sheboygan Water Utility
spirit on the lake

Distribution System -- January 2024

Street Valves and Hydrant Valves Installed (including water main projects and others)

Location	Date Installed	Size ("), Jt	Installed By	Type

Total Valves Installed = 0

Street Valves and Hydrant Valves Removed

Location	Installed	Abandoned	Type

Total Valves Removed = 0

Street Valves and Hydrant Valves Abandoned

Location	Installed	Abandoned

Total Valves Abandoned = 0

Street Valves and Hydrant Valves Maintained

Location	Maintained	Size	By

Total Valves Maintained = 0

Hydrants Installed (including water main projects and others)

Location	Installed	Tr Size	Valve	By

Total Hydrants Installed = 0

Hydrants Removed (including water main projects and others)

Location	Installed	Removed	Hyd Valve?

Total Hydrants Removed = 0

Hydrants Abandoned (including water main projects and others)

Location	Installed	Abandoned	Tr Size	Hyd Valve?

Total Hydrants Abandoned = 0

Hydrants Maintained/Moved (including water main projects and others)

Location	Installed	Maintained

Total Hydrants Maintained/Moved = 0

Water Main Breaks

Location	Date	Size
2420 N. 7th St.	1/18/2024	6"
1602 Huron Ave	1/19/2024	4"
2026 New Jersey Ave	1/19/2024	12"
2521 Saemann Ave	1/23/2024	6"

Number of Water Main Breaks= 4

City of Sheboygan
spirit on the lake Water Utility

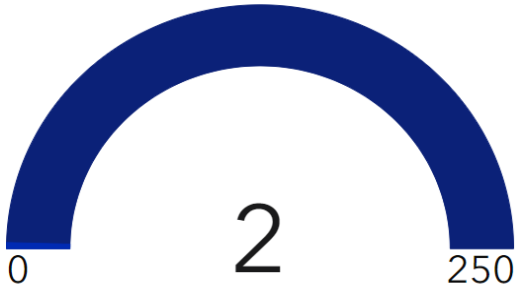
SUMMARY

Number of feet of 4 inch water main installed	0.0	water main
Number of feet of 6 inch hydrant lead installed	0.0	
Number of feet of 6 inch water main installed	0.0	
Number of feet of 8 inch water main installed	0.0	
Number of feet of 12 inch water main installed	0.0	
Number of feet of 16 inch water main installed	0.0	
Number of feet of 20 inch water main installed	0.0	
Number of feet of 24 inch water main installed	0.0	
Number of feet of water main abandoned or removed	0.0	
Number of water main breaks repaired	4	
Number of hydrants installed	0	hydrants
Number of hydrants removed or abandoned	0	
Number of hydrants maintained or moved	0	
Number of street valves installed	0	valves
Number of hydrant valves installed	0	
Number of street valves removed or abandoned	0	
Number of hydrant valves removed or abandoned	0	
Number of valves maintained	0	
Number of water connections installed	2	

City of Sheboygan
spirit on the lake Water Utility

Lead Service Line Dashboard (Board)

2023 Replacements



Lead Service Lines

5,692

Total

2024 Replacements

1%

to Target Goal

Replaced Lead Service Lines

2

This Month

Target Replacements

250

2024

Public Service Commission of Wisconsin

Summer Strand, Chairperson
Kristy Nieto, Commissioner

4822 Madison Yards Way
P.O. Box 7854
Madison, WI 53707-7854

February 13, 2024

Mr. Joe Trueblood, P.E., Superintendent
Sheboygan Water Utility
72 Park Avenue
Sheboygan, WI 53081

Re: Application of the City of Sheboygan, Sheboygan County, Wisconsin, as a Water Public Utility, for Authority to Adjust Water Rates — 5370-WR-111

Dear Mr. Trueblood:

Public Service Commission (Commission) staff has analyzed the Sheboygan Water Utility (applicant) application for a water rate increase. The Commission received the application on August 2, 2023. 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 is scheduled for Wednesday, March 6, 2024, at 10:00 AM.

The proposed Phase I increase of $2,375,464 would take effect following the issuance of the Final Decision. The Phase II increase of $4,180,694 is compared to the current rates and is an additional increase of $1,805,230 over Phase I rates. The applicant would implement the remaining Phase II increase of $1,805,230 one year after the Phase I rate increase.

The Phase I revenue requirement for the 2024 test year is comprised of the following:

Operation and Maintenance Expenses	$	5,999,585
Depreciation Expense	$	2,463,335
Property Tax Equivalent and Other Taxes	$	1,891,000
Return on Rate Base	$	3,118,125
Total	$	13,472,045

For Phase I, Commission staff used a 3.80 percent rate of return on the estimated water utility net investment rate base for the 2024 test year, as recommended by our staff auditor. (PSC REF#: 487451.)

For Phase I, Schedule 13 of the Exhibit shows the proposed rates that would increase annual revenues from water public utility service by an estimated $2,375,464. Commission staff estimates $2,372,713 would be from general service customers, and $2,751 would be from the public fire protection (PFP) charge. The overall increase in customer rates is 21.97 percent and

is comprised of a 24.08 percent increase in general service charges and a 0.29 percent increase in PFP charges. A typical single family residential customer's bill would increase 15.27 percent, including PFP, after Phase I is implemented.

The Phase II revenue requirement for the 2024 test year is comprised of the following:

Operation and Maintenance Expenses	$	5,999,585
Depreciation Expense	$	2,463,335
Property Tax Equivalent and Other Taxes	$	1,891,000
Return on Rate Base	$	4,923,355
Total	$	$15,277,275

For Phase II, Commission staff used a 6.00 percent rate of return on the estimated water utility net investment rate base for the 2024 test year, as recommended by our staff auditor. (PSC REF#: 487451.)

For Phase II, Schedule 13 of the Exhibit shows the proposed rates that would increase annual revenues from water public utility service by an estimated $4,180,694. Commission staff estimates $4,010,809 would be from general service customers, and $169,885 would be from the PFP charge. The overall increase in customer rates is 38.67 percent and is comprised of a 40.71 percent increase in general service charges and a 17.71 percent increase in PFP charges.

The increase in water utility revenues results from a 70.20 percent increase in gross plant investment and a 31.88 percent increase in operating expenses since the applicant's last water conventional rate case in 2021.

The Phase II rates include the Phase I increase. A typical single-family residential customer's bill would increase 29.04, including PFP, after Phase II is implemented. That same customer will see an increase of 11.94 percent from Phase I to Phase II. Schedule 14 of the Exhibit shows Commission staff's analysis of customer bills for comparison of present and proposed Phase I and Phase II rates.

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

The proposed Commission staff Exhibit is intended to provide the Commission with Commission staff's analysis and is not a final decision. After review of the attached Exhibit, the applicant may, within five business days of the date of this letter, submit any additional information it believes to be pertinent to cost of service analysis and proposed rates. If Commission staff does not receive a response within that time, it will assume the applicant is in

agreement with the staff proposal, and Commission staff will contact the applicant to schedule the public hearing. Please note that this is the applicant's primary opportunity to address any concerns or changes to Commission staff's proposed Exhibit.

The applicant 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:ajh:kle DL:01989689

Attachment

cc: Lisa Gottsacker, CPA, Utility Accountant
Brian Dickow, CPA, Baker Tilly US, LLP
Jodi Dobson, CPA, Baker Tilly US, LLP

Docket 5370-WR-111

Ex.-PSC-COSS and Rate Design

Sheboygan Water Utility - Phase I

Sheboygan Water Utility - Phase I
Docket 5370-WR-111

COMPARATIVE INCOME STATEMENT

ACCT NO.	OPERATING REVENUES	2020	2021	2022	2023	TEST YEAR 2024
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	2,385,619	2,571,463	2,680,290	2,690,000	2,694,969
	Multi-Family Residential	279,003	299,574	325,465	329,000	330,824
	Commercial	509,281	580,551	625,216	622,000	622,484
	Industrial	3,460,392	3,974,406	4,474,381	4,486,000	5,166,864
	Public Authority	105,515	125,008	133,714	133,000	134,889
	Irrigation	0	0	0	0	0
	TOTAL GENERAL SALES	$ 6,739,810	$ 7,551,002	$ 8,239,066	$ 8,260,000	$ 8,950,030
462	Private fire protection service	$ 114,600	$ 126,139	$ 131,572	$ 134,000	$ 124,077
463	Public fire protection service	909,281	920,579	947,607	948,000	959,426
465	Other water sales	0	0	0	0	0
466	Sales for resale	763,238	942,356	912,763	928,000	902,048
467	Interdepartmental sales	0	0	0	0	0
470	Forfeited discounts	33,181	52,946	123,240	55,000	57,000
472	Rents from water property	25,414	28,624	29,483	32,000	33,000
473	Interdepartmental rents	0	0	0	0	0
474	Other water revenues	109,665	80,746	77,539	74,000	71,000
	TOTAL OPERATING REVENUES	$ 8,695,189	$ 9,702,392	$ 10,461,270	$ 10,431,000	$ 11,096,581
	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	0	0	0	0	0
603	Miscellaneous expenses	0	0	0	0	0
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	8,980	8,990	10,260	20,000	20,000
614	Maintenance of wells and springs	0	0	0	0	0
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	36,373	36,774	40,371	44,000	45,000
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	422,526	454,978	500,650	507,000	579,000
624	Pumping labor and expenses	0	0	0	0	0
625	Expenses transferred--credit	0	0	0	0	0
626	Miscellaneous expenses	104,209	72,605	115,484	102,000	105,000
627	Rents	0	0	0	0	0
630	Maintenance supervision and engineering	11,125	11,804	12,455	13,000	13,000
631	Maintenance of structures and improvements	135,434	164,573	136,175	157,000	161,000
632	Maintenance of power production equipment	0	0	0	0	0
633	Maintenance of pumping equipment	6,069	12,664	777	7,000	7,000

Sheboygan Water Utility - Phase I **Schedule 1**
Docket 5370-WR-111 **Page 2 of 2**

COMPARATIVE INCOME STATEMENT
(continued)

ACCT NO.	OPERATING EXPENSES	2020	2021	2022	2023	TEST YEAR 2024
	WATER TREATMENT EXPENSES					
640	Operation supervision and engineering	$ 33,266	$ 31,561	$ 43,159	$ 47,000	$ 48,000
641	Chemicals	239,797	224,364	370,578	386,000	587,000
642	Operation labor and expenses	767,948	815,931	871,492	927,000	877,000
643	Miscellaneous expenses	17,856	21,212	30,191	24,000	25,000
644	Rents	0	0	0	0	0
650	Maintenance supervision and engineering	0	0	0	0	0
651	Maintenance of structures and improvements	57,476	42,651	55,215	56,000	57,000
652	Maintenance of water treatment equipment	15,800	31,025	31,424	27,000	112,500
	TRANS & DISTRIBUTION EXPENSES					
660	Operation supervision and engineering	$ 40,017	$ 43,936	$ 49,493	$ 53,000	$ 55,000
661	Storage facilities expenses	22,559	24,144	20,182	23,000	24,000
662	Transmission and distribution expenses	139,526	99,579	106,736	115,000	118,000
663	Meter expenses	31,419	37,903	42,420	40,000	41,000
664	Customer installations expenses	206,271	225,876	145,057	2,013,000	206,000
665	Miscellaneous expenses	141,297	129,998	150,250	150,000	154,000
666	Rents	0	0	0	0	0
670	Maintenance supervision and engineering	0	0	0	0	0
671	Maintenance of structures and improvements	62,128	62,148	86,859	76,000	78,000
672	Maintenance of distr.reservoirs and standpipes	624,983	65,879	957	265,600	265,600
673	Maintenance of transmission and distr. mains	269,825	475,605	430,518	416,000	427,000
675	Maintenance of services	1,517	2,002	1,724	2,000	2,000
676	Maintenance of meters	22,408	30,958	29,472	30,000	31,000
677	Maintenance of hydrants	4,781	48,478	24,227	37,000	28,000
678	Maintenance of miscellaneous plant	0	0	0	0	0
	CUSTOMER ACCOUNTS EXPENSES					
901	Supervision	38,416	34,215	44,325	48,000	49,000
902	Meter reading labor	26,736	30,527	34,132	32,000	33,000
903	Customer records and collection expenses	190,315	195,316	182,127	212,000	207,000
904	Uncollectible accounts	2,310	4,597	3,229	3,000	3,000
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	234,219	246,128	386,181	417,000	428,000
921	Office supplies and expenses	25,390	16,899	23,517	23,000	23,000
922	Administrative expenses transferred -- credit	0	0	0	0	0
923	Outside services employed	35,393	82,376	103,290	110,000	115,000
924	Property insurance	46,587	45,074	49,053	51,000	52,000
925	Injuries and damages	42,459	48,471	46,915	48,000	49,000
926	Employee pensions and benefits	905,203	942,157	440,809	877,602	909,000
928	Regulatory commission expenses	14,679	28,558	1,143	30,000	1,500
929	Duplicate charges -- credit	0	0	0	0	0
930	Miscellaneous general expenses	28,566	47,445	52,872	45,000	45,985
931	Rents	0	0	0	0	0
932	Maintenance of general plant	21,624	11,035	16,919	17,000	18,000
	TOTAL OPER. & MAINT. EXPENSES	$ 5,035,487	$ 4,908,436	$ 4,690,638	$ 7,451,202	$ 5,999,585
403	**DEPRECIATION EXPENSE**	1,509,380	1,437,201	1,457,161	1,610,358	2,463,335
404-407	**AMORTIZATION EXPENSE**	0	0	0	0	0
408	**TAXES AND TAX EQUIVALENT**	1,312,384	1,299,403	1,183,524	1,400,070	1,891,000
	TOTAL OPERATING EXPENSES	$ 7,857,251	$ 7,645,040	$ 7,331,323	$ 10,461,630	$ 10,353,920
	NET OPERATING INCOME	**$ 837,938**	**$ 2,057,352**	**$ 3,129,947**	**$ (30,630)**	**$ 742,661**

NET INVESTMENT RATE BASE

UTILITY FINANCED PLANT IN SERVICE	$	110,833,081
Less: ACCUMULATED PROVISION FOR DEPRECIATION		29,035,458
NET PLANT IN SERVICE	$	81,797,623
Plus: MATERIALS AND SUPPLIES		258,287
Less: REGULATORY LIABILITY		0
NET INVESTMENT RATE BASE	$	82,055,910
RATE OF RETURN ON RATE BASE		3.80%

ESTIMATED INCOME STATEMENT FOR THE 2024 TEST YEAR AND REVENUE REQUIREMENT TO YIELD A 3.80% RETURN ON NET INVESTMENT RATE BASE

		Present Rates		Increase		After Rate Increase
TOTAL OPERATING REVENUES	$	11,096,581	$	2,375,464	$	13,472,045
OPERATING EXPENSES:						
OPERATION & MAINTENANCE EXPENSES	$	5,999,585			$	5,999,585
DEPRECIATION EXPENSE		2,463,335				2,463,335
AMORTIZATION EXPENSE		0				0
TAXES AND TAX EQUIVALENT		1,891,000				1,891,000
TOTAL OPERATING EXPENSES	$	10,353,920			$	10,353,920
NET OPERATING INCOME (LOSS)	$	742,661			$	3,118,125
RATE OF RETURN ON RATE BASE		0.91%				3.80%

UTILITY FINANCED PLANT IN SERVICE AND DEPRECIATION EXPENSE
TEST YEAR 2024

ACCT NO.	ACCOUNT DESCRIPTION	Balance 12/31/2023 ($)	Major Additions Less Retirements ($)	Normal Additions ($)	Retirements ($)	Balance 12/31/2024 ($)	Test Year Rate Base Balance ($)	Depreciation Rate (%)	Depreciation 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	0	0	0	0	0	0	N/A	0
311	Structures and Improvements	0	5,770,000	0	0	5,770,000	5,770,000	0.00%	0
312	Collecting and Impounding Reservoirs	0	0	0	0	0	0	0.00%	0
313	Lake, River, and Other Intakes	627,615	21,220,000	0	0	21,847,615	21,847,615	1.70%	371,409
314	Wells and Springs	0	0	0	0	0	0	0.00%	0
316	Supply Mains	0	0	0	0	0	0	0.00%	0
317	Other Water Source Plant	0	0	0	0	0	0	0.00%	0
	PUMPING PLANT								
320	Land and Land Rights	2,475	0	0	0	2,475	2,475	N/A	0
321	Structures and Improvements	2,702,648	6,750,000	18,000	0	9,470,648	9,461,648	3.20%	302,773
323	Other Power Production Equipment	553,250	320,000	8,000	0	881,250	877,250	4.40%	38,599
325	Electric Pumping Equipment	2,526,073	3,200,000	23,000	0	5,749,073	5,737,573	4.40%	252,453
326	Diesel Pumping Equipment	0	0	0	0	0	0	0.00%	0
328	Other Pumping Equipment	653,951	0	0	0	653,951	653,951	Fully Depr.	0
	WATER TREATMENT PLANT								
330	Land and Land Rights	13,330	0	0	0	13,330	13,330	N/A	0
331	Structures and Improvements	5,229,448	0	3,700	13,000	5,220,148	5,224,798	3.20%	167,194
332	Sand or Other Media Filtration Equipment	6,249,505	0	102,000	58,000	6,293,505	6,271,505	3.30%	206,960
333	Membrane Filtration Equipment	0	0	0	0	0	0	0.00%	0
334	Other Water Treatment Equipment	1,688,611	860,000	0	0	2,548,611	2,548,611	6.00%	152,917

UTILITY FINANCED PLANT IN SERVICE AND DEPRECIATION EXPENSE
TEST YEAR 2024
(continued)

ACCT NO.	ACCOUNT DESCRIPTION	Balance 12/31/2023 ($)	Major Additions ($)	Normal Additions ($)	Retirements ($)	Balance 12/31/2024 ($)	TEST YEAR RATE BASE BALANCE ($)	DEPRECIATION RATE (%)	DEPRECIATION EXPENSE ($)
	TRANSMISSION & DISTRIBUTION PLANT								
340	Land and Land Rights	359,433	0	0	0	359,433	359,433	N/A	0
341	Structures and Improvements	828,736	0	30,000	7,000	851,736	840,236	3.20%	26,888
342	Distribution Reservoirs and Standpipes	6,672,505	0	0	0	6,672,505	6,672,505	1.90%	126,778
343	Transmission and Distribution Mains	33,200,454	0	1,050,000	22,000	34,228,454	33,714,454	1.30%	438,288
345	Services	0	0	0	0	0	0	0.00%	0
346	Meters	4,716,424	0	152,000	69,000	4,799,424	4,757,924	5.50%	130,843
348	Hydrants	2,566,932	0	55,000	10,000	2,611,932	2,589,432	2.20%	56,968
349	Other Transmission and Distribution Plant	0	0	0	0	0	0	5.00%	0
	GENERAL PLANT								
389	Land and Land Rights	0	0	0	0	0	0	N/A	0
390	Structures and Improvements	588,199	0	0	0	588,199	588,199	2.90%	17,058
391	Office Furniture and Equipment	81,485	0	3,000	1,000	83,485	82,485	5.80%	4,784
391	Computer Equipment	207,595	0	16,000	39,000	184,595	196,095	26.70%	52,357
392	Transportation Equipment	637,109	0	38,000	17,000	658,109	647,609	13.30%	0
393	Stores Equipment	0	0	0	0	0	0	0.00%	0
394	Tools, Shop and Garage Equipment	270,539	0	38,000	4,000	304,539	287,539	5.80%	16,677
395	Laboratory Equipment	31,709	0	6,000	0	37,709	34,709	5.80%	2,013
396	Power Operated Equipment	474,882	0	1,000	9,000	466,882	470,882	7.50%	0
397	Communication Equipment	60,372	0	0	0	60,372	60,372	15.00%	9,056
397	SCADA Equipment	638,951	460,000	47,000	0	1,145,951	1,122,451	9.20%	89,320
398	Miscellaneous Equipment	0	0	0	0	0	0	0.00%	0
	TOTAL UTILITY FINANCED PLANT IN SERVICE	**71,582,231**	**38,580,000**	**1,590,700**	**249,000**	**111,503,931**	**110,833,081**		**2,463,335**

Sheboygan Water Utility - Phase I

SYSTEM DEMAND RATIOS

MAXIMUM DAY SYSTEM DEMAND

TOTAL ANNUAL PUMPAGE	4,925,622,290	Gallons
AVERAGE DAILY PUMPAGE	13,494,856	Gallons
MAXIMUM DAY PUMPAGE	18,833,682	Gallons
FIRE FLOW:		
GAL/MIN	7,000	
DURATION (HOURS)	7.00	
TOTAL FLOW	2,940,000	Gallons
AVERAGE DAY PLUS FIRE FLOW	16,434,856	Gallons

RATIO: BASE = $\frac{13,494,856}{18,833,682}$ = 71.65%

MAX DAY = 100-BASE = 28.35%

MAXIMUM HOUR SYSTEM DEMAND

AVERAGE HOUR ON MAX DAY	784,737	Gallons
MAXIMUM HOUR PUMPAGE	1,265,143	Gallons
AVERAGE HOUR PLUS ONE HOUR FIRE FLOW	982,286	Gallons

RATIO: BASE = $\frac{13,494,856}{30,363,425}$ = 44.44% Use 44.44%

MAX HOUR = 100-BASE = 55.56% Use 55.56%

ALLOCATION OF UTILITY FINANCED PLANT
TO SERVICE COST FUNCTIONS

ACCT NO.	ACCOUNT DESCRIPTION	TOTAL ($)	BASE COSTS		EXTRA-CAPACITY					CUSTOMER COSTS			
					MAX DAY		MAX HOUR						
			System ($)	Distribution ($)	System ($)	Distribution ($)	System ($)	Distribution ($)	Storage ($)	Billing ($)	Equivalent Meter ($)	Equivalent Service ($)	Fire Protection ($)
	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								
311	Structures and Improvements	5,770,000	4,134,365		1,635,635								
312	Collecting and Impounding Reservoirs	0	0		0								
313	Lake, River, and Other Intakes	21,847,615	15,654,422		6,193,193								
314	Wells and Springs	0	0		0								
316	Supply Mains	0	0		0								
317	Other Water Source Plant	0	0		0								
	PUMPING PLANT												
320	Land and Land Rights	2,475	1,773		702								
321	Structures and Improvements	9,461,648	6,779,533		2,682,115								
323	Other Power Production Equipment	877,250	628,574		248,676								
325	Electric Pumping Equipment	5,737,573	4,111,130		1,626,443								
326	Diesel Pumping Equipment	0	0		0								
328	Other Pumping Equipment	653,951	468,574		185,377								
	WATER TREATMENT PLANT												
330	Land and Land Rights	13,330	9,551		3,779								
331	Structures and Improvements	5,224,798	3,743,713		1,481,085								
332	Sand or Other Media Filtration Equipment	6,271,505	4,493,707		1,777,798								
333	Membrane Filtration Equipment	0	0		0								
334	Other Water Treatment Equipment	2,548,611	1,826,150		722,461								

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

ACCT NO.	ACCOUNT DESCRIPTION	TOTAL ($)	BASE COSTS		EXTRA-CAPACITY					CUSTOMER COSTS			
					MAX DAY		MAX HOUR						
			System ($)	Distribution ($)	System ($)	Distribution ($)	System ($)	Distribution ($)	Storage ($)	Billing ($)	Equivalent Meter ($)	Equivalent Service ($)	Fire Protection ($)
	TRANSMISSION & DISTRIBUTION PLANT												
340	Land and Land Rights	359,433	145,458	36,456	48,712	0	0	45,570	27,913	0	35,827	0	19,498
341	Structures and Improvements	840,236	340,033	85,222	113,872	0	0	106,527	65,251	0	83,751	0	45,580
342	Distribution Reservoirs and Standpipes	6,672,505	2,965,558						3,706,947				
343	Transmission mains	22,821,052	16,351,917		6,469,135								
343	Distribution mains	10,893,402		4,841,512				6,051,890					
345	Services	0										0	
346	Meters	4,757,924									4,757,924		
348	Hydrants	2,589,432											2,589,432
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	0	0	0	0	0	0	0	0	0	0	0	0
390	Structures and Improvements	588,199	337,844	27,196	127,067	0	0	33,996	20,823	0	26,727	0	14,546
391	Office Furniture and Equipment	82,485	47,377	3,814	17,819	0	0	4,767	2,920	0	3,748	0	2,040
391	Computer Equipment	196,095	112,631	9,067	42,362	0	0	11,334	6,942	0	8,910	0	4,849
392	Transportation Equipment	647,609	371,967	29,943	139,901	0	0	37,429	22,926	0	29,426	0	16,015
393	Stores Equipment	0	0	0	0	0	0	0	0	0	0	0	0
394	Tools, Shop and Garage Equipment	287,539	165,154	13,295	62,116	0	0	16,619	10,179	0	13,065	0	7,111
395	Laboratory Equipment	34,709	19,936	1,605	7,498	0	0	2,006	1,229	0	1,577	0	858
396	Power Operated Equipment	470,882	270,461	21,772	101,723	0	0	27,215	16,670	0	21,396	0	11,645
397	Communication Equipment	60,372	34,676	2,791	13,042	0	0	3,489	2,137	0	2,743	0	1,493
397	SCADA Equipment	1,122,451	644,702	51,899	242,480	0	0	64,873	39,737	0	51,003	0	27,757
398	Miscellaneous Equipment	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	**110,833,081**	**63,659,208**	**5,124,572**	**23,942,990**	**0**	**0**	**6,405,715**	**3,923,675**	**0**	**5,036,097**	**0**	**2,740,824**

ALLOCATION OF TOTAL PLANT
TO SERVICE COST FUNCTIONS

ACCT NO.	ACCOUNT DESCRIPTION	TOTAL ($)	BASE COSTS		EXTRA-CAPACITY					CUSTOMER COSTS			
					MAX DAY		MAX HOUR						
			System ($)	Distribution ($)	System ($)	Distribution ($)	System ($)	Distribution ($)	Storage ($)	Billing ($)	Equivalent Meter ($)	Equivalent Service ($)	Fire Protection ($)
	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								
311	Structures and Improvements	7,500,000	5,373,958		2,126,042								
312	Collecting and Impounding Reservoirs	0	0		0								
313	Lake, River, and Other Intakes	28,187,615	20,197,208		7,990,407								
314	Wells and Springs	0	0		0								
316	Supply Mains	0	0		0								
317	Other Water Source Plant	0	0		0								
	PUMPING PLANT												
320	Land and Land Rights	2,475	1,773		702								
321	Structures and Improvements	11,481,648	8,226,919		3,254,729								
323	Other Power Production Equipment	977,250	700,227		277,023								
325	Electric Pumping Equipment	6,697,573	4,798,997		1,898,576								
326	Diesel Pumping Equipment	0	0		0								
328	Other Pumping Equipment	653,951	468,574		185,377								
	WATER TREATMENT PLANT												
330	Land and Land Rights	13,330	9,551		3,779								
331	Structures and Improvements	5,523,663	3,957,858		1,565,805								
332	Sand or Other Media Filtration Equipment	6,365,727	4,561,220		1,804,507								
333	Membrane Filtration Equipment	0	0		0								
334	Other Water Treatment Equipment	3,009,746	2,156,567		853,179								

ALLOCATION OF TOTAL PLANT
TO SERVICE COST FUNCTIONS
(continued)

ACCT NO.	ACCOUNT DESCRIPTION	TOTAL ($)	EXTRA-CAPACITY: BASE COSTS System ($)	BASE COSTS Distribution ($)	MAX DAY System ($)	MAX DAY Distribution ($)	MAX HOUR System ($)	MAX HOUR Distribution ($)	MAX HOUR Storage ($)	CUSTOMER COSTS Billing ($)	CUSTOMER COSTS Equivalent Meter ($)	CUSTOMER COSTS Equivalent Service ($)	Fire Protection ($)
	TRANSMISSION & DISTRIBUTION PLANT												
340	Land and Land Rights	359,433	129,695	48,631	43,433	0	0	60,789	24,888	0	31,944	0	20,054
341	Structures and Improvements	840,236	303,183	113,683	101,532	0	0	142,104	58,180	0	74,675	0	46,880
342	Distribution Reservoirs and Standpipes	6,672,505	2,965,558						3,706,947				
343	Transmission mains	22,821,052	16,351,917		6,469,135								
343	Distribution mains	16,297,585		7,243,371				9,054,214					
345	Services	0										0	
346	Meters	4,757,924									4,757,924		
348	Hydrants	2,986,968											2,986,968
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	0	0	0	0	0	0	0	0	0	0	0	0
390	Structures and Improvements	588,199	329,955	34,807	124,899	0	0	43,508	17,813	0	22,863	0	14,353
391	Office Furniture and Equipment	82,485	46,271	4,881	17,515	0	0	6,101	2,498	0	3,206	0	2,013
391	Computer Equipment	196,095	110,001	11,604	41,639	0	0	14,505	5,939	0	7,622	0	4,785
392	Transportation Equipment	647,609	363,282	38,322	137,514	0	0	47,903	19,612	0	25,173	0	15,803
393	Stores Equipment	0	0	0	0	0	0	0	0	0	0	0	0
394	Tools, Shop and Garage Equipment	287,539	161,297	17,015	61,056	0	0	21,269	8,708	0	11,177	0	7,017
395	Laboratory Equipment	34,709	19,470	2,054	7,370	0	0	2,567	1,051	0	1,349	0	847
396	Power Operated Equipment	470,882	264,145	27,864	99,988	0	0	34,831	14,260	0	18,303	0	11,491
397	Communication Equipment	60,372	33,866	3,573	12,819	0	0	4,466	1,828	0	2,347	0	1,473
397	SCADA Equipment	1,262,451	708,183	74,706	268,070	0	0	93,382	38,232	0	49,072	0	30,807
398	Miscellaneous Equipment	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	**128,779,022**	**72,239,676**	**7,620,511**	**27,345,096**	**0**	**0**	**9,525,639**	**3,899,956**	**0**	**5,005,654**	**0**	**3,142,490**

ALLOCATION OF DEPRECIATION EXPENSE
TO SERVICE COST FUNCTIONS

ACCT NO.	ACCOUNT DESCRIPTION	TOTAL ($)	EXTRA-CAPACITY							CUSTOMER COSTS			
			BASE COSTS		MAX DAY		MAX HOUR						
			System ($)	Distribution ($)	System ($)	Distribution ($)	System ($)	Distribution ($)	Storage ($)	Billing ($)	Equivalent Meter ($)	Equivalent Service ($)	Fire Protection ($)
	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								
311	Structures and Improvements	0	0		0								
312	Collecting and Impounding Reservoirs	0	0		0								
313	Lake, River, and Other Intakes	371,409	266,125		105,284								
314	Wells and Springs	0	0		0								
316	Supply Mains	0	0		0								
317	Other Water Source Plant	0	0		0								
	PUMPING PLANT												
320	Land and Land Rights	0	0		0								
321	Structures and Improvements	302,773	216,945		85,828								
323	Other Power Production Equipment	38,599	27,657		10,942								
325	Electric Pumping Equipment	252,453	180,890		71,563								
326	Diesel Pumping Equipment	0	0		0								
328	Other Pumping Equipment	0	0		0								
	WATER TREATMENT PLANT												
330	Land and Land Rights	0	0		0								
331	Structures and Improvements	167,194	119,799		47,395								
332	Sand or Other Media Filtration Equipment	206,960	148,293		58,667								
333	Membrane Filtration Equipment	0	0		0								
334	Other Water Treatment Equipment	152,917	109,569		43,348								

ALLOCATION OF DEPRECIATION EXPENSE
TO SERVICE COST FUNCTIONS
(continued)

ACCT NO.	ACCOUNT DESCRIPTION	TOTAL ($)	BASE COSTS		EXTRA-CAPACITY					CUSTOMER COSTS			
					MAX DAY		MAX HOUR						
			System ($)	Distribution ($)	System ($)	Distribution ($)	System ($)	Distribution ($)	Storage ($)	Billing ($)	Equivalent Meter ($)	Equivalent Service ($)	Fire Protection ($)
	TRANSMISSION & DISTRIBUTION PLANT												
340	Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0
341	Structures and Improvements	26,888	9,604	2,248	3,003	0	0	2,810	2,515	0	4,673	0	2,035
342	Distribution Reservoirs and Standpipes	126,778	56,346						70,432				
343	Transmission mains	296,674	212,575		84,099								
343	Distribution mains	141,614		62,940				78,675					
345	Services	0										0	
346	Meters	130,843									130,843		
348	Hydrants	56,968											56,968
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	0	0	0	0	0	0	0	0	0	0	0	0
390	Structures and Improvements	17,058	10,119	489	3,830	0	0	612	548	0	1,017	0	443
391	Office Furniture and Equipment	4,784	2,838	137	1,074	0	0	172	154	0	285	0	124
391	Computer Equipment	52,357	31,058	1,502	11,755	0	0	1,878	1,681	0	3,123	0	1,360
392	Transportation Equipment	0	0	0	0	0	0	0	0	0	0	0	0
393	Stores Equipment	0	0	0	0	0	0	0	0	0	0	0	0
394	Tools, Shop and Garage Equipment	16,677	9,893	478	3,744	0	0	598	535	0	995	0	433
395	Laboratory Equipment	2,013	1,194	58	452	0	0	72	65	0	120	0	52
396	Power Operated Equipment	0	0	0	0	0	0	0	0	0	0	0	0
397	Communication Equipment	9,056	5,372	260	2,033	0	0	325	291	0	540	0	235
397	SCADA Equipment	89,320	52,985	2,563	20,054	0	0	3,203	2,868	0	5,327	0	2,320
398	Miscellaneous Equipment	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	**2,463,335**	**1,461,262**	**70,675**	**553,072**	**0**	**0**	**88,344**	**79,088**	**0**	**146,924**	**0**	**63,969**

ALLOCATION OF OPERATION AND MAINTENANCE EXPENSES
TO SERVICE COST FUNCTIONS

			EXTRA-CAPACITY									
			BASE COSTS		MAX DAY		MAX HOUR			CUSTOMER COSTS			
ACCT NO.	ACCOUNT DESCRIPTION	TOTAL ($)	System ($)	Distribution ($)	System ($)	Distribution ($)	System ($)	Distribution ($)	Storage ($)	Billing ($)	Equivalent Meter ($)	Equivalent Service ($)	Fire Protection ($)
	SOURCE OF SUPPLY												
600	Operation labor	0	0		0								
601	Operation labor and expenses	0	0		0								
602	Purchased water	0	0										0
603	Miscellaneous expenses	0	0		0								
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	20,000	14,331		5,669								
614	Maintenance of wells and springs	0	0		0								
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	45,000	32,244		12,756								
621	Fuel for power production	0	0										
622	Power production labor and expenses	0	0										
623	Fuel or power purchased for production	579,000	579,000										
624	Pumping labor and expenses	0	0		0								
625	Expenses transferred--credit	0	0		0								
626	Miscellaneous expenses	105,000	75,235		29,765								
627	Rents	0	0		0								
630	Maintenance supervision and engineering	13,000	9,315		3,685								
631	Maintenance of structures and improvements	161,000	115,361		45,639								
632	Maintenance of power production equipment	0	0		0								
633	Maintenance of pumping equipment	7,000	5,016		1,984								
	WATER TREATMENT EXPENSES												
640	Operation supervision and engineering	48,000	34,393		13,607								
641	Chemicals	587,000	587,000										
642	Operation labor and expenses	877,000	628,395		248,605								
643	Miscellaneous expenses	25,000	17,913		7,087								
644	Rents	0	0		0								
650	Maintenance supervision and engineering	0	0		0								
651	Maintenance of structures and improvements	57,000	40,842		16,158								
652	Maintenance of water treatment equipment	112,500	80,609		31,891								

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

ACCT NO.	ACCOUNT DESCRIPTION	TOTAL ($)	BASE COSTS		EXTRA-CAPACITY					CUSTOMER COSTS			
					MAX DAY		MAX HOUR						
			System ($)	Distribution ($)	System ($)	Distribution ($)	System ($)	Distribution ($)	Storage ($)	Billing ($)	Equivalent Meter ($)	Equivalent Service ($)	Fire Protection ($)
	TRANSMISSION & DISTRIBUTION EXPENSES												
660	Operation supervision and engineering	55,000	13,307	7,249	2,813	0	0	9,061	7,745	0	3,466	10,012	1,348
661	Storage facilities expenses	24,000	10,667						13,333				
662	Transmission lines expenses	44,642	31,987		12,655								
662	Distribution lines expenses	73,358		32,604				40,755					
663	Meter expenses	41,000									41,000		
664	Customer installations expenses	206,000										206,000	
665	Miscellaneous expenses	154,000	37,260	20,296	7,878	0	0	25,370	21,685	0	9,704	28,034	3,774
666	Rents	0	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	0
671	Maintenance of structures and improvements	78,000	18,872	10,280	3,990	0	0	12,850	10,983	0	4,915	14,199	1,911
672	Maintenance of distr.reservoirs and standpipes	265,600	118,044						147,556				
673	Maintenance of transmission mains	161,543	115,750		45,793								
673	Maintenance of distribution mains	265,457		117,981				147,476					
675	Maintenance of services	2,000										2,000	
676	Maintenance of meters	31,000									31,000		
677	Maintenance of hydrants	28,000											28,000
678	Maintenance of miscellaneous plant	0	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER ACCOUNTS EXPENSES												
901	Supervision	49,000								49,000			
902	Meter reading labor	33,000								33,000			
903	Customer records and collection expenses	207,000								207,000			
904	Uncollectible accounts	3,000								3,000			
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	428,000	198,549	26,729	69,511	0	0	33,411	28,558	16,570	12,780	36,920	4,970
921	Office supplies and expenses	23,000	10,670	1,436	3,735	0	0	1,795	1,535	890	687	1,984	267
922	Administrative expenses transferred -- credit	0	0	0	0	0	0	0	0	0	0	0	0
923	Outside services employed	115,000	53,349	7,182	18,677	0	0	8,977	7,673	4,452	3,434	9,920	1,335
924	Property insurance	52,000	29,170	3,077	11,042	0	0	3,846	1,575	0	2,021	0	1,269
925	Injuries and damages	49,000	22,731	3,060	7,958	0	0	3,825	3,270	1,897	1,463	4,227	569
926	Employee pensions and benefits	909,000	421,685	56,768	147,631	0	0	70,960	60,653	35,192	27,143	78,413	10,556
928	Regulatory commission expenses	1,500	696	94	244	0	0	117	100	58	45	129	17
929	Duplicate charges -- credit	0	0	0	0	0	0	0	0	0	0	0	0
930	Miscellaneous general expenses	45,985	21,332	2,872	7,468	0	0	3,590	3,068	1,780	1,373	3,967	534
931	Rents	0	0	0	0	0	0	0	0	0	0	0	0
932	Maintenance of general plant	18,000	8,350	1,124	2,923	0	0	1,405	1,201	697	537	1,553	209
	TOTAL OPERATION & MAINTENANCE EXPENSES	**5,999,585**	**3,332,073**	**290,751**	**759,164**	**0**	**0**	**363,439**	**308,934**	**353,537**	**139,569**	**397,359**	**54,760**

SUMMARY OF ALLOCATION OF OPERATING COSTS TO SERVICE COST FUNCTIONS

		EXTRA-CAPACITY										
		BASE COSTS		MAX DAY		MAX HOUR			CUSTOMER COSTS			
OPERATING COST	TOTAL ($)	System ($)	Distribution ($)	System ($)	Distribution ($)	System ($)	Distribution ($)	Storage ($)	Billing ($)	Equivalent Meter ($)	Equivalent Service ($)	Fire Protection ($)
OPERATION AND MAINTENANCE	5,999,585	3,332,073	290,751	759,164	0	0	363,439	308,934	353,537	139,569	397,359	54,760
DEPRECIATION EXPENSE	2,463,335	1,461,262	70,675	553,072	0	0	88,344	79,088	0	146,924	0	63,969
AMORTIZATION EXPENSE	0	0	0	0	0	0	0	0	0	0	0	0
TAXES AND TAX EQUIVALENT	1,891,000	1,060,772	111,900	401,537	0	0	139,875	57,267	0	73,503	0	46,145
RETURN ON NET INVESTMENT RATE BASE	3,118,125	1,790,958	144,172	673,601	0	0	180,215	110,387	0	141,683	0	77,109
TOTAL	**13,472,045**	**7,645,065**	**617,498**	**2,387,375**	**0**	**0**	**771,873**	**555,676**	**353,537**	**501,679**	**397,359**	**241,983**

CUSTOMER CLASS DEMAND RATIOS

		BASE COSTS				EXTRA-CAPACITY MAX DAY DEMAND					EXTRA-CAPACITY MAX HOUR DEMAND				
CUSTOMER CLASS	Annual Volume 100 CCF	Average Day Volume CF	Percent (%)	System Adjusted Percent (%)	Distribution Adjusted Percent (%)	Extra Capacity Ratio	Volume Rate CF Per Day	Percent (%)	System Adjusted Percent (%)	Distribution Adjusted Percent (%)	Extra Capacity Ratio	Volume Rate CF Per Hour	Percent (%)	System Adjusted Percent (%)	Distribution Adjusted Percent (%)	Storage Adjusted Percent (%)
Residential	969,174	265,527	15.91%	15.91%	18.42%	2.10	557,607	23.85%	23.85%	25.23%	4.50	49,786	21.79%	21.79%	24.31%	23.56%
Multifamily Residential	170,136	46,613	2.79%	2.79%	3.23%	1.85	86,233	3.69%	3.69%	3.90%	4.05	7,866	3.44%	3.44%	3.84%	3.72%
Commercial	302,339	82,833	4.96%	4.96%	5.75%	1.60	132,532	5.67%	5.67%	6.00%	3.60	12,425	5.44%	5.44%	6.07%	5.88%
Industrial	3,691,069	1,011,252	60.61%	60.61%	70.16%	1.00	1,011,252	43.26%	43.26%	45.76%	1.80	75,844	33.19%	33.19%	37.03%	35.89%
Public Authority	67,152	18,398	1.10%	1.10%	1.28%	1.60	29,436	1.26%	1.26%	1.33%	3.60	2,760	1.21%	1.21%	1.35%	1.31%
Kohler	344,878	94,487	5.66%	5.66%	0.00%	0.66	62,362	2.67%	2.67%	0.00%	1.65	6,496	2.84%	2.84%	0.00%	3.07%
Sheboygan Falls	484,309	132,687	7.95%	7.95%	0.00%	0.49	65,017	2.78%	2.78%	0.00%	3.11	17,194	7.52%	7.52%	0.00%	0.00%
Public Fire Protection	60,900	16,685	1.00%	1.00%	1.16%		393,048	16.81%	16.81%	17.78%		56,150	24.57%	24.57%	27.41%	26.57%
TOTALS	**6,089,957**	**1,668,481**	**100%**	**100%**	**100%**		**2,337,487**	**100%**	**100%**	**100%**		**228,520**	**100%**	**100%**	**100%**	**100%**
									50%	50%	<-- Public Fire % Limits -->			50%	50%	80%

Maximum Day Demand = 3,596,236 (CUBIC FEET/DAY) SUM OF GENERAL SERVICE AVERAGE AND MAXIMUM DAY EXTRA CAPACITY DEMAND

Maximum Hour Demand = 241,196 (CUBIC FEET/HR) SUM OF GENERAL SERVICE AVERAGE AND MAXIMUM HOUR EXTRA CAPACITY DEMAND

1.43 = NON-COINCIDENT / COINCIDENT RATIO FOR MAX DAY

1.43 = NON-COINCIDENT / COINCIDENT RATIO FOR MAX HOUR

CUSTOMER CLASS ALLOCATION FACTORS

NUMBER OF METERS

Meter size (inches):	5/8	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4	6	8	10	12	TOTAL METERS	PERCENT
Residential	10,644	6,396	54	0	5	0	0	0	0	0	0	0	0	17,099	90%
Multifamily Residential	60	46	37	0	79	55	0	18	1	0	0	0	0	296	2%
Commercial	299	609	245	0	84	72	0	18	3	0	0	0	0	1,330	7%
Industrial	29	37	29	0	17	38	0	12	8	7	4	0	0	181	1%
Public Authority	1	15	33	0	25	39	0	11	2	0	0	0	0	126	1%
Kohler	0	0	0	0	0	0	0	0	0	1	1	1	0	3	0%
Sheboygan Falls	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0%
TOTALS	11,033	7,103	398	0	210	204	0	59	14	8	5	2	0	19,036	100%

EQUIVALENT METERS

ALLOCATION FACTOR: Meter size (inches):	5/8	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4	6	8	10	12	TOTAL EQUIV.	
Equiv. meters ratio:	1.0	1.0	2.5	3.7	5.0	8.0	12.5	15.0	25.0	50.0	80.0	120.0	160.0	METERS	PERCENT
Residential	10,644	6,396	135	0	25	0	0	0	0	0	0	0	0	17,200	71%
Multifamily Residential	60	46	93	0	395	440	0	270	25	0	0	0	0	1,329	6%
Commercial	299	609	613	0	420	576	0	270	75	0	0	0	0	2,862	12%
Industrial	29	37	73	0	85	304	0	180	200	350	320	0	0	1,578	7%
Public Authority	1	15	83	0	125	312	0	165	50	0	0	0	0	751	3%
Kohler	0	0	0	0	0	0	0	0	0	50	80	120	0	250	1%
Sheboygan Falls	0	0	0	0	0	0	0	0	0	0	0	120	0	120	0%
TOTALS	11,033	7,103	995	0	1,050	1,632	0	885	350	400	400	240	0	24,088	100%

EQUIVALENT SERVICES

ALLOCATION FACTOR: Meter size (inches):	5/8	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4	6	8	10	12	TOTAL EQUIV.	
Equiv. services ratio:	1.0	1.0	1.3	1.7	2.0	3.0	3.5	4.0	5.0	6.0	7.0	8.0	9.0	SERVICES	PERCENT
Residential	10,644	6,396	70	0	10	0	0	0	0	0	0	0	0	17,120	85%
Multifamily Residential	60	46	48	0	158	165	0	72	5	0	0	0	0	554	3%
Commercial	299	609	319	0	168	216	0	72	15	0	0	0	0	1,698	8%
Industrial	29	37	38	0	34	114	0	48	40	42	28	0	0	410	2%
Public Authority	1	15	43	0	50	117	0	44	10	0	0	0	0	280	1%
Kohler	0	0	0	0	0	0	0	0	0	6	7	8	0	21	0%
Sheboygan Falls	0	0	0	0	0	0	0	0	0	0	0	8	0	8	0%
TOTALS	11,033	7,103	517	0	420	612	0	236	70	48	35	16	0	20,090	100%

ALLOCATION OF SERVICE COST FUNCTIONS TO CUSTOMER CLASSES

	TOTAL ($)	Residential ($)	Multifamily Residential ($)	Commercial ($)	Industrial ($)	Public Authority ($)	Kohler ($)	Sheboygan Falls ($)	Public Fire Protection ($)
BASE COSTS:									
SYSTEM	7,645,065	1,216,659	213,581	379,543	4,633,606	84,300	432,945	607,981	76,451
DISTRIBUTION	617,498	113,760	19,970	35,488	433,250	7,882	0	0	7,148
EXTRA-CAPACITY COSTS:									
MAXIMUM-DAY SYSTEM	2,387,375	569,508	88,074	135,361	1,032,834	30,065	63,693	66,404	401,437
MAXIMUM-DAY DISTRIBUTION	0	0	0	0	0	0	0	0	0
MAXIMUM-HOUR SYSTEM	0	0	0	0	0	0	0	0	0
MAXIMUM-HOUR DISTRIBUTION	771,873	187,612	29,641	46,821	285,806	10,399	0	0	211,592
MAXIMUM-HOUR STORAGE	555,676	130,912	20,683	32,671	199,429	7,256	17,081	0	147,644
CUSTOMER COSTS:									
BILLING	353,537	317,563	5,497	24,701	3,362	2,340	56	19	
EQUIVALENT METERS	501,679	358,223	27,669	59,596	32,854	15,631	5,207	2,499	
EQUIVALENT SERVICES	397,359	338,613	10,959	33,574	8,103	5,536	415	158	
FIRE PROTECTION	241,983								241,983
TOTAL COST	13,472,045	3,232,849	416,075	747,755	6,629,245	163,409	519,396	677,061	1,086,254
LESS OTHER REVENUE	285,077	46,517	5,987	10,759	95,386	2,351	0	0	124,077
COST OF SERVICE	13,186,968	3,186,332	410,088	736,996	6,533,859	161,058	519,396	677,061	962,177
REVENUE AT PRESENT RATES	10,811,504	2,694,969	330,824	622,484	5,166,864	134,889	361,489	540,559	959,426
DIFFERENCE	2,375,464	491,363	79,264	114,512	1,366,995	26,169	157,908	136,502	2,751
PERCENT INCREASE/DECREASE	**21.97%**	**18.23%**	**23.96%**	**18.40%**	**26.46%**	**19.40%**	**43.68%**	**25.25%**	**0.29%**

Docket 5370-WR-111 **Schedule 11**

Sheboygan Water Utility - Phase I
Comparison of Revenue
at
Present Rates, Cost of Service and Proposed Rates

		Cost of Service		Proposed Rates		
Customer Class	**Revenue at Present Rates**	**Revenue Required**	**Increase over Present Rates**	**Revenue**	**Increase over Present Rates**	**Percent of Cost of Service**
Residential	$2,694,969	$3,186,332	18.23%	$3,198,308	18.68%	100.38%
Multifamily Residential	$330,824	$410,088	23.96%	$408,989	23.63%	99.73%
Commercial	$622,484	$736,996	18.40%	$755,678	21.40%	102.53%
Industrial	$5,166,864	$6,533,859	26.46%	$6,502,867	25.86%	99.53%
Public Authority	$134,889	$161,058	19.40%	$162,925	20.78%	101.16%
Kohler	$361,489	$519,396	43.68%	$520,133	43.89%	100.14%
Sheboygan Falls	$540,559	$677,061	25.25%	$676,166	25.09%	99.87%
Public Fire Protection	$959,426	$962,177	0.29%	$962,184	0.29%	100.00%
Total	$10,811,504	$13,186,968	21.97%	$13,187,250	21.97%	100.00%

Docket 5370-WR-111 Schedule 13

Sheboygan Water Utility

Proposed Water Rates and Rules – Phase I

Docket 5370-WR-111

Sheboygan Water Utility

Water Rate File Changes – Phase I

Amended

F-1
Upf-1
Mg-1
W-1
W-2
NSM-1
Am-1
OC-1
Mpa-1
Ug-1
Sg-1
BW-1
R-1
Cz-1
LSL-1
LSL-2
X-1
X-2
X-3
X-4

RATE FILE *(DRAFT)*

Sheet No. 1 of 1
Schedule No. F-1
Amendment No. 51

Public Service Commission of Wisconsin

Sheboygan Water Utility

Public Fire Protection Service

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

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

Public Fire Protection Service Charges:

		Quarterly	Monthly			Quarterly	Monthly
⅝ - inch meter:	$	8.82	2.94	3 - inch meter:	$	132.00	44.00
¾ - inch meter:	$	8.82	2.94	4 - inch meter:	$	219.00	73.00
1 - inch meter:	$	22.02	7.34	6 - inch meter:	$	441.00	147.00
1¼ - inch meter:	$	32.52	10.84	8 - inch meter:	$	702.00	234.00
1½ - inch meter:	$	43.95	14.65	10 - inch meter:	$	1,053.00	351.00
2 - inch meter:	$	69.09	23.03	12 - inch meter:	$	1,404.00	468.00

Customers who are provided service under Schedules Mg-1, 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-1.

RATE FILE *(DRAFT)*

Sheet No. 1 of 1
Schedule No. Upf-1
Amendment No. 51

Public Service Commission of Wisconsin

Sheboygan Water Utility

Private Fire Protection Service - Unmetered

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

Private Fire Protection Service Demand Charges:

		Quarterly	Monthly
2 - inch or smaller connection:	$	12.00	4.00
3 - inch connection:	$	21.00	7.00
4 - inch connection:	$	36.00	12.00
6 - inch connection:	$	72.00	24.00
8 - inch connection:	$	117.00	39.00
10 - inch connection:	$	174.00	58.00
12 - inch connection:	$	231.00	77.00
14 - inch connection:	$	291.00	97.00
16 - inch connection:	$	348.00	116.00

Billing: Same as Schedule Mg-1.

RATE FILE *(DRAFT)*

Sheet No. 1 of 1
Schedule No. Mg-1
Amendment No. 51

Public Service Commission of Wisconsin

Sheboygan Water Utility

General Service - Metered

Service Charges:

		Quarterly	Monthly			Quarterly	Monthly
⅝ - inch meter:	$	15.00	5.00	3 - inch meter:	$	105.00	35.00
¾ - inch meter:	$	15.00	5.00	4 - inch meter:	$	168.00	56.00
1 - inch meter:	$	24.00	8.00	6 - inch meter:	$	321.00	107.00
1¼ - inch meter:	$	33.00	11.00	8 - inch meter:	$	501.00	167.00
1½ - inch meter:	$	42.00	14.00	10 - inch meter:	$	744.00	248.00
2 - inch meter:	$	63.00	21.00	12 - inch meter:	$	984.00	328.00

Plus Volume Charges:

First	15,000	cubic feet used quarterly or
	5,000	cubic feet used monthly: $2.24 per 100 cubic feet
Next	485,000	cubic feet used quarterly or
	161,600	cubic feet used monthly: $1.97 per 100 cubic feet
Over	500,000	cubic feet used quarterly or
	166,600	cubic feet used monthly: $1.70 per 100 cubic feet

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

Combined Metering: For a residential customer with more than one meter on a single service lateral, volumetric reading from all meters shall be combined for billing. For a nonresidential customer, volumetric readings may 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 may not be combined for billing. This requirement does not preclude the utility from combining readings where metering configurations support such an approach. Volumetric readings from individually metered separate service laterals may not be combined for billing purposes.

RATE FILE *(DRAFT)*

Sheet No. 1 of 1
Schedule No. W-1
Amendment No. 51

Public Service Commission of Wisconsin

Sheboygan Water Utility

Wholesale Water Service

Wholesale water service to the Village of Kohler shall be provided at the following rate:

Public Fire Protection Service

Service Charge: $ 2,383.00 per month

General Service

Service Charge: $ 522.00 per month

Volume Charge: $ 1.49 per 100 cubic feet

Billing: Same as Schedule Mg-1.

RATE FILE ***(DRAFT)***

Sheet No. 1 of 1
Schedule No. W-2
Amendment No. 51

Public Service Commission of Wisconsin

Sheboygan Water Utility

Wholesale Water Service

Wholesale water service to the City of Sheboygan Falls shall be provided at the following rate:

Public Fire Protection Service

Service Charge: $ 8,200.00 per month

General Service

Service Charge: $ 248.00 per month

Volume Charge: $ 1.39 per 100 cubic feet

Billing: Same as Schedule Mg-1.

RATE FILE *(DRAFT)*

Sheet No. 1 of 1
Schedule No. NSM-1
Amendment No. 51

Public Service Commission of Wisconsin

Sheboygan Water Utility

Non-Standard Meter Service

The utility shall assess a charge of $10.95 per quarter to a customer who is provided service under Schedule Mg-1 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-1.

RATE FILE *(DRAFT)*

Sheet No. 1 of 1
Schedule No. Am-1
Amendment No. 51

Public Service Commission of Wisconsin

Sheboygan Water Utility

Additional Meter Rental Charge

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

A. Water service customers for the purpose of measuring the volume of water used that is not discharged into the sanitary sewer system; and

B. Sewerage service customers who are not customers of the water utility for the purpose of determining the volume of sewage that is discharged into the sanitary sewer system.

The utility shall charge a meter installation charge of $60.00 and a quarterly rental fee for the use of this additional meter.

Additional Meter Rental Charges:

		Quarterly	Monthly
⅝ - inch meter:	$	7.50	2.50
¾ - inch meter:	$	7.50	2.50
1 - inch meter:	$	12.00	4.00
1¼ - inch meter:	$	16.50	5.50
1½ - inch meter:	$	21.00	7.00
2 - inch meter:	$	31.50	10.50

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 ¾-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 ¾-inch and installed in the Addition Method, each meter shall be treated as a separate account and Schedule Mg-1 rates shall apply.

Billing: Same as Schedule Mg-1.

RATE FILE *(DRAFT)*

Sheet No. 1 of 1
Schedule No. OC-1
Amendment No. 51

Public Service Commission of Wisconsin

Sheboygan Water Utility

Other Charges

Payment Not Honored by Financial Institution Charge: The utility shall assess a $40.00 charge when a payment rendered for utility service is not honored by the customer's financial institution. This charge may not be in addition to, but may be inclusive of, other such charges when the payment was for multiple services.

Billing: Same as Schedule Mg-1.

RATE FILE *(DRAFT)*

Sheet No. 1 of 1
Schedule No. Mpa-1
Amendment No. 51

Public Service Commission of Wisconsin

Sheboygan Water Utility

Public Service

Metered Service
Water used by the City of Sheboygan 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-1.

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-1, excluding any service charges.

Billing: Same as Schedule Mg-1.

RATE FILE *(DRAFT)*

Sheet No. 1 of 1
Schedule No. Ug-1
Amendment No. 51

Public Service Commission of Wisconsin

Sheboygan Water Utility

General Water Service - Unmetered

Service may be supplied temporarily on an unmetered basis where the utility cannot immediately install a water meter, including water used for construction. Unmetered service shall be billed the amount that would be charged to a metered residential customer using 1,400 cubic feet (or approximately 10,472 gallons) of water quarterly under Schedule Mg-1, including the service charge for a ⅝-inch meter. If the utility determines that actual usage exceeds 1,400 cubic feet of water quarterly, an additional charge for the estimated excess usage shall be made according to the rates under Schedule Mg-1.

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-1.

Billing: Same as Schedule Mg-1.

RATE FILE *(DRAFT)*

Sheet No. 1 of 1
Schedule No. Sg-1
Amendment No. 51

Public Service Commission of Wisconsin

Sheboygan Water Utility

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-1 year-round, including the period of temporary disconnection.

Seasonal service shall include customers taking service under Schedule Mg-1, 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-1, unless the utility and customer agree to an alternative payment schedule for the period of voluntary disconnection.

RATE FILE *(DRAFT)*

Sheet No. 1 of 1
Schedule No. BW-1
Amendment No. 51

Public Service Commission of Wisconsin

Sheboygan Water Utility

Bulk Water

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

Bulk water sales are:

A. Water supplied by tank trucks or from hydrants for the purpose of extinguishing fires outside the utility's service area;

B. Water supplied by tank trucks or from hydrants for purposes other than extinguishing fires, such as water used for irrigation or filling swimming pools; or,

C. Water supplied from hydrants or other temporary connections for general service type applications, except that Schedule Ug-1 applies for water supplied for construction purposes.

A service charge of $60.00 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-1. In addition, for meters that are assigned to bulk water customers for more than 7 days, the applicable service charge in Schedule Mg-1 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-1.

RATE FILE *(DRAFT)*

Sheet No. 1 of 1
Schedule No. R-1
Amendment No. 51

Public Service Commission of Wisconsin

Sheboygan Water Utility

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: $60.00

The utility may assess an administrative charge of $35.00 when a service person arrives at a customer's property to disconnect service, provided the customer then makes the payment necessary to avoid disconnection.

Billing: Same as Schedule Mg-1.

RATE FILE *(DRAFT)*

Sheet No. 1 of 1
Schedule No. Cz-1
Amendment No. 51

Public Service Commission of Wisconsin

Sheboygan Water Utility

Water Lateral Installation Charge

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-1.

RATE FILE *(DRAFT)*

Public Service Commission of Wisconsin

Sheboygan Water Utility

Financial Assistance for Customer-Side Lead Service Line Replacement

The Utility has established a financial assistance program for the removal and replacement of customer-side lead service lines containing lead (LSLs) within and connected to its water distribution system.

A. Utility Inspection and Inventory

In order to implement the LSL replacement program, the Utility may request that the property owner permit an authorized Utility employee or representative reasonable access to the property in order to inspect and determine or confirm the service line's construction material.

B. LSL Replacement in Conjunction with Water Main Replacement

In the event the Utility has planned replacement of the Utility water main, the LSL connected to the Utility's distribution system must be replaced at the same time. At least three months prior to the bidding of the water main project, the Utility shall notify the property owner in writing indicating the nature of the water main replacement project. The LSL replacement must coincide with the Utility's replacement of the Utility's water main.

C. LSL Replacement Without Utility-Side Water Main Replacement

If the Utility identifies that a LSL is leaking, or a dangerous condition exists requiring emergency replacement, the Utility shall notify the property owner that the LSL must be replaced. The property owner must replace the LSL within four (4) weeks of notification.

RATE FILE *(DRAFT)*

Public Service Commission of Wisconsin

Sheboygan Water Utility

Financial Assistance for Customer-Side Lead Service Line Replacement

D. LSL Replacement – Financial Assistance Program

The Utility shall make financial assistance available to all property owners who have an LSL. The Utility will make financial assistance available to such property owners in the form of a grant for up to 50 percent of the total costs associated with replacement of an LSL. The grant amount shall not exceed $6,000. The Utility will make financial assistance available for the remaining costs in the form of a loan.

In order to receive financial assistance, a property owner must submit to the Utility an application and written bids from two approved plumbing contractors. A property owner is eligible for financial assistance based on the lowest bid amount unless an extraneous circumstance exists that requires the approval of the Utility.

Upon receipt of the application from the customer, and prior to commencing any replacement work, the Utility shall determine if the property owner is eligible for financial assistance under this tariff. If the property owner is eligible, the Utility shall provide the property owner a determination in writing of the amount of financial assistance available as a grant and the amount of financial assistance available as a loan.

E. Loan Agreement and Process

The Utility will provide financial assistance only after the Utility, property owner, and plumbing contractor enter into a written contract. Financial assistance is contingent upon the LSL being replaced. In no case will the total amount of money provided by the Utility's financial assistance program exceed a property owner's total replacement costs.

Upon completion of the LSL replacement, the property owner shall provide the Utility with a copy of the invoice from the plumbing contractor. Upon proof of completion satisfactory to the property owner and the Utility, the Utility shall pay the contractor(s) directly the amount of money approved by the Utility for financial assistance for replacement of the LSL. The Utility will not unreasonably withhold a determination as to satisfactory completion. The Utility shall provide the property owner with documentation of such payment.

The Utility will commence billing of the loan the month following receipt of proof of completion of the replacement of the LSL and receipt of a written and executed financial assistance agreement.

RATE FILE *(DRAFT)*

Sheet No. 3 of 3
Schedule No. LSL-1
Amendment No. 51

Public Service Commission of Wisconsin

Sheboygan Water Utility

Financial Assistance for Customer-Side Lead Service Line Replacement

F. Loan Agreement Term and Repayment

The term of the loan will include a 72 month repayment period, or shorter period as determined by the property owner, with an interest charge of 0 percent. The loan will be repaid in equal installments billed to the property owner. The Utility shall not forgive the amount loaned to a property owner. Should the property be sold, the loan will become due at that time.

RATE FILE *(DRAFT)*

Sheet No. 1 of 1
Schedule No. LSL-2
Amendment No. 51

Public Service Commission of Wisconsin

Sheboygan Water Utility

Financial Assistance for Replacement of Customer-Side Service Lines Containing Lead and Disconnection

The Utility may disconnect water service in accordance with Schedule X-1 and Wis. Admin. Code § PSC 185.37 when one of the following occurs:

A. Failure to Provide Access to Inventory LSL

If the property owner does not provide the requested reasonable access for inspections to determine or confirm the service line's construction material as described in Schedule LSL-1, the Utility may proceed to disconnect water service following the notification and disconnection procedures set forth in the Utility's tariffs and Wis. Admin. Code § PSC 185.37. Re-connection charges shall apply.

B. Failure to Replace LSL When Required as Part of a Utility Project

If the property owner does not replace the LSL, or any necessary and reasonable agreement with the customer is not in place as described in Schedule LSL-1, the Utility may refuse to reconnect the property owner's water service or may proceed to disconnect water service following the notification and disconnection procedures set forth in Schedule X-1 and Wis. Admin. Code § PSC 185.37. Reconnection charges shall apply.

C. Failure to Replace LSL When Not Required as Part of a Utility Project

If the property owner does not replace the LSL by the date specified by the Utility pursuant to Schedule LSL-1, the Utility may proceed to disconnect water service following the notification and disconnection procedures set forth in Schedule X-1 and Wis. Admin. Code § PSC 185.37. Reconnection charges shall apply.

RATE FILE *(DRAFT)*

Public Service Commission of Wisconsin

Sheboygan Water Utility

Water Utility Operating Rules

Compliance with Rules

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

Establishment of Service

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

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

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

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

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

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

RATE FILE *(DRAFT)*

Public Service Commission of Wisconsin

Sheboygan Water Utility

Water Utility Operating Rules

Reconnection of Service

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

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

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

Temporary Metered Service, Meter, and Deposits

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

Water for Construction

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

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

RATE FILE *(DRAFT)*

Public Service Commission of Wisconsin

Sheboygan Water Utility

Water Utility Operating Rules

Use of Hydrants

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

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

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

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

Refunds of Monetary Deposits

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

Service Laterals

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

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

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 corporation valve outlet to and through the curb stop to the meter will be maintained and kept in repair and, when worn out, replaced at the expense of the property owner.

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 property owner. The property owner is responsible for its repair and maintenance. This includes maintaining, through adjustment, the curb stop box at an appropriate grade level. 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.

RATE FILE *(DRAFT)*

Sheet No. 5 of 10
Schedule No. X-1
Amendment No. 51

Public Service Commission of Wisconsin

Sheboygan Water Utility

Water Utility Operating Rules

Installation of Meters

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

Repairs to Meters

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

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

Service Piping for Meter Settings

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

RATE FILE *(DRAFT)*

Public Service Commission of Wisconsin

Sheboygan Water Utility

Water Utility Operating Rules

Failure to Read Meters

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

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

See Wis. Admin. Code § PSC 185.33.

Complaint Meter Tests

See Wis. Admin. Code § PSC 185.77.

Inspection of Premises

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

See Wis. Stat. § 196.171.

Vacation of Premises

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

Deposits for Residential Service

See Wis. Admin. Code § PSC 185.36.

RATE FILE *(DRAFT)*

Public Service Commission of Wisconsin

Sheboygan Water Utility

Water Utility Operating Rules

Deposits for Nonresidential Service

See Wis. Admin. Code § PSC 185.361.

Deferred Payment Agreement

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

Dispute Procedures

See Wis. Admin. Code § PSC 185.39.

Disconnection and Refusal of Service

See Wis. Admin. Code § PSC 185.37.

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

DISCONNECTION NOTICE

Dear Customer:

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

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

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

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

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

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

RATE FILE *(DRAFT)*

Public Service Commission of Wisconsin

Sheboygan Water Utility

Water Utility Operating Rules

Disconnection and Refusal of Service (continued)

DISCONNECTION NOTICE (continued)

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

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

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

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

This time payment agreement will require:

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

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

(WATER UTILITY NAME)

RATE FILE *(DRAFT)*

Sheet No. 9 of 10
Schedule No. X-1
Amendment No. 51

Public Service Commission of Wisconsin

Sheboygan Water Utility

Water Utility Operating Rules

Collection of Overdue Bills

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

Surreptitious Use of Water

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

A. The customer will be required to deposit with the water utility an amount sufficient to guarantee the payment of the bills for water utility service.

B. The customer will be required to pay the water utility for any and all damages to water utility equipment resulting from such interference with the metering.

C. The customer must further agree to comply with reasonable requirements to protect the water utility against further losses.

See Wis. Stat. §§ 98.26 and 943.20.

Repairs to Mains

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

See Wis. Admin. Code § PSC 185.87.

Duty of Water Utility with Respect to Safety of the Public

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

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.

RATE FILE *(DRAFT)*

Sheet No. 1 of 1
Schedule No. X-2
Amendment No. 51

Public Service Commission of Wisconsin

Sheboygan Water Utility

Water Main Extension Rule

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

A. Where the cost of the extension is to immediately be collected through assessment by the municipality against the abutting property, the procedure set forth under Wis. Stat. § 66.0703 will apply, and no additional customer contribution to the utility will be required.

B. Where the municipality is unwilling or unable to make a special assessment, the extension will be made on a customer-financed basis as follows:

1. The applicant(s) will advance as a contribution in aid of construction the total amount equivalent to that which would have been assessed for all property under paragraph A.

2. Part of the contribution required in paragraph B.1. will be refundable. When additional customers are connected to the extended main within 10 years of the date of completion, contributions in aid of construction will be collected equal to the amount which would have been assessed under paragraph A. for the abutting property being served. This amount will be refunded to the original contributor(s). In no case will the contributions received from additional customers exceed the proportionate amount which would have been required under paragraph A., nor will it exceed the total assessable cost of the original extension.

C. When a customer connects to a transmission main or connecting loop installed at utility expense within 10 years of the date of completion, there will be a contribution required of an amount equivalent to that which would have been assessed under paragraph A.

RATE FILE *(DRAFT)*

Sheet No. 1 of 1
Schedule No. X-3
Amendment No. 51

Public Service Commission of Wisconsin

Sheboygan Water Utility

Water Main Installations in Platted Subdivisions

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

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

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

RATE FILE *(DRAFT)*

Sheet No. 1 of 1
Schedule No. X-4
Amendment No. 51

Public Service Commission of Wisconsin

Sheboygan Water Utility

Water Customer Supplemental 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.

Charges for Water Wasted Due to Leaks

Pursuant to Wis. Admin. Code § 185.35(6) and the utility's policy, when a leak unknown to the customer is found in an appliance or the plumbing, the utility shall estimate the water wasted due to the leak and bill for this excess usage at a reduced rate not less than the utility's cost. If this provision applies, the utility shall bill the customer for excess usage at the rate of $0.46 per 100 cubic feet. No additional adjustments shall be made for water supplied after the customer has been notified of the leak and has had an opportunity to correct the condition.

Thawing Frozen Service Laterals

See Wis. Admin. Code § PSC 185.88.

Sheboygan Water Utility - Phase I

Customer Water Bill Comparison at Present and Proposed Rates

			Quarterly			Quarterly Including Public Fire Protection		
Customer Type	Meter Size	Volume (100 Cubic Feet)	Bills at Old Rates	Bills at Phase I Rates	Percent Change	Bills at Old Rates	Bills at Phase I Rates	Percent Change
Small Residential	3/4"	7	$ 27.04	$ 30.68	13.46%	$ 35.83	$ 39.50	10.24%
Average Residential	3/4"	14	$ 39.08	$ 46.36	18.63%	$ 47.87	$ 55.18	15.27%
Large Residential	3/4"	50	$ 101.00	$ 127.00	25.74%	$ 109.79	$ 135.82	23.71%
Large Residential	3/4"	100	$ 187.00	$ 239.00	27.81%	$ 195.79	$ 247.82	26.57%
Large Residential	3/4"	150	$ 273.00	$ 351.00	28.57%	$ 281.79	$ 359.82	27.69%
Multifamily Residential	2"	375	$ 683.25	$ 842.25	23.27%	$ 752.25	$ 911.34	21.15%
Multifamily Residential	2"	400	$ 723.50	$ 891.50	23.22%	$ 792.50	$ 960.59	21.21%
Multifamily Residential	2"	450	$ 804.00	$ 990.00	23.13%	$ 873.00	$ 1,059.09	21.32%
Multifamily Residential	2"	575	$ 1,005.25	$ 1,236.25	22.98%	$ 1,074.25	$ 1,305.34	21.51%
Public Authority	6"	680	$ 1,432.30	$ 1,701.10	18.77%	$ 1,873.30	$ 2,142.10	14.35%
Public Authority	4"	560	$ 1,086.10	$ 1,311.70	20.77%	$ 1,305.10	$ 1,530.70	17.29%

			Monthly			Monthly Including Public Fire Protection		
Customer Type	Meter Size	Volume (100 Cubic Feet)	Bills at Old Rates	Bills at Phase I Rates	Percent Change	Bills at Old Rates	Bills at Phase I Rates	Percent Change
Commercial	3"	1,300	$ 2,133.50	$ 2,609.50	22.31%	$ 2,177.50	$ 2,653.50	21.86%
Commercial	3"	1,600	$ 2,616.50	$ 3,200.50	22.32%	$ 2,660.50	$ 3,244.50	21.95%
Commercial	3"	1,650	$ 2,697.00	$ 3,299.00	22.32%	$ 2,741.00	$ 3,343.00	21.96%
Commercial	3"	1,950	$ 3,103.32	$ 3,813.32	22.88%	$ 3,147.32	$ 3,857.32	22.56%
Industrial	3"	13,500	$ 18,580.32	$ 23,448.32	26.20%	$ 18,624.32	$ 23,492.32	26.14%
Industrial	4"	19,000	$ 25,971.32	$ 32,819.32	26.37%	$ 26,044.32	$ 32,892.32	26.29%
Industrial	8"	77,000	$ 103,802.32	$ 131,530.32	26.71%	$ 104,036.32	$ 131,764.32	26.65%
Industrial	8"	79,000	$ 106,482.32	$ 134,930.32	26.72%	$ 106,716.32	$ 135,164.32	26.66%
Public Authority	2"	3,000	$ 4,496.32	$ 5,584.32	24.20%	$ 4,519.32	$ 5,607.35	24.08%
Public Authority	8"	34,435	$ 46,765.22	$ 59,169.82	26.53%	$ 46,999.22	$ 59,403.82	26.39%

Docket 5370-WR-111

Ex.-PSC-COSS and Rate Design

Sheboygan Water Utility - Phase II

Sheboygan Water Utility - Phase II
Docket 5370-WR-111

COMPARATIVE INCOME STATEMENT

ACCT NO.	OPERATING REVENUES	2020	2021	2022	2023	TEST YEAR 2024
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	2,385,619	2,571,463	2,680,290	2,690,000	2,694,969
	Multi-Family Residential	279,003	299,574	325,465	329,000	330,824
	Commercial	509,281	580,551	625,216	622,000	622,484
	Industrial	3,460,392	3,974,406	4,474,381	4,486,000	5,166,864
	Public Authority	105,515	125,008	133,714	133,000	134,889
	Irrigation	0	0	0	0	0
	TOTAL GENERAL SALES	$ 6,739,810	$ 7,551,002	$ 8,239,066	$ 8,260,000	$ 8,950,030
462	Private fire protection service	$ 114,600	$ 126,139	$ 131,572	$ 134,000	$ 124,077
463	Public fire protection service	909,281	920,579	947,607	948,000	959,426
465	Other water sales	0	0	0	0	0
466	Sales for resale	763,238	942,356	912,763	928,000	902,048
467	Interdepartmental sales	0	0	0	0	0
470	Forfeited discounts	33,181	52,946	123,240	55,000	57,000
472	Rents from water property	25,414	28,624	29,483	32,000	33,000
473	Interdepartmental rents	0	0	0	0	0
474	Other water revenues	109,665	80,746	77,539	74,000	71,000
	TOTAL OPERATING REVENUES	$ 8,695,189	$ 9,702,392	$ 10,461,270	$ 10,431,000	$ 11,096,581
	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	0	0	0	0	0
603	Miscellaneous expenses	0	0	0	0	0
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	8,980	8,990	10,260	20,000	20,000
614	Maintenance of wells and springs	0	0	0	0	0
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	36,373	36,774	40,371	44,000	45,000
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	422,526	454,978	500,650	507,000	579,000
624	Pumping labor and expenses	0	0	0	0	0
625	Expenses transferred--credit	0	0	0	0	0
626	Miscellaneous expenses	104,209	72,605	115,484	102,000	105,000
627	Rents	0	0	0	0	0
630	Maintenance supervision and engineering	11,125	11,804	12,455	13,000	13,000
631	Maintenance of structures and improvements	135,434	164,573	136,175	157,000	161,000
632	Maintenance of power production equipment	0	0	0	0	0
633	Maintenance of pumping equipment	6,069	12,664	777	7,000	7,000

Sheboygan Water Utility - Phase II **Schedule 1**
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COMPARATIVE INCOME STATEMENT
(continued)

ACCT NO.	OPERATING EXPENSES	2020	2021	2022	2023	TEST YEAR 2024
	WATER TREATMENT EXPENSES					
640	Operation supervision and engineering	$ 33,266	$ 31,561	$ 43,159	$ 47,000	$ 48,000
641	Chemicals	239,797	224,364	370,578	386,000	587,000
642	Operation labor and expenses	767,948	815,931	871,492	927,000	877,000
643	Miscellaneous expenses	17,856	21,212	30,191	24,000	25,000
644	Rents	0	0	0	0	0
650	Maintenance supervision and engineering	0	0	0	0	0
651	Maintenance of structures and improvements	57,476	42,651	55,215	56,000	57,000
652	Maintenance of water treatment equipment	15,800	31,025	31,424	27,000	112,500
	TRANS & DISTRIBUTION EXPENSES					
660	Operation supervision and engineering	$ 40,017	$ 43,936	$ 49,493	$ 53,000	$ 55,000
661	Storage facilities expenses	22,559	24,144	20,182	23,000	24,000
662	Transmission and distribution expenses	139,526	99,579	106,736	115,000	118,000
663	Meter expenses	31,419	37,903	42,420	40,000	41,000
664	Customer installations expenses	206,271	225,876	145,057	2,013,000	206,000
665	Miscellaneous expenses	141,297	129,998	150,250	150,000	154,000
666	Rents	0	0	0	0	0
670	Maintenance supervision and engineering	0	0	0	0	0
671	Maintenance of structures and improvements	62,128	62,148	86,859	76,000	78,000
672	Maintenance of distr.reservoirs and standpipes	624,983	65,879	957	265,600	265,600
673	Maintenance of transmission and distr. mains	269,825	475,605	430,518	416,000	427,000
675	Maintenance of services	1,517	2,002	1,724	2,000	2,000
676	Maintenance of meters	22,408	30,958	29,472	30,000	31,000
677	Maintenance of hydrants	4,781	48,478	24,227	37,000	28,000
678	Maintenance of miscellaneous plant	0	0	0	0	0
	CUSTOMER ACCOUNTS EXPENSES					
901	Supervision	38,416	34,215	44,325	48,000	49,000
902	Meter reading labor	26,736	30,527	34,132	32,000	33,000
903	Customer records and collection expenses	190,315	195,316	182,127	212,000	207,000
904	Uncollectible accounts	2,310	4,597	3,229	3,000	3,000
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	234,219	246,128	386,181	417,000	428,000
921	Office supplies and expenses	25,390	16,899	23,517	23,000	23,000
922	Administrative expenses transferred -- credit	0	0	0	0	0
923	Outside services employed	35,393	82,376	103,290	110,000	115,000
924	Property insurance	46,587	45,074	49,053	51,000	52,000
925	Injuries and damages	42,459	48,471	46,915	48,000	49,000
926	Employee pensions and benefits	905,203	942,157	440,809	877,602	909,000
928	Regulatory commission expenses	14,679	28,558	1,143	30,000	1,500
929	Duplicate charges -- credit	0	0	0	0	0
930	Miscellaneous general expenses	28,566	47,445	52,872	45,000	45,985
931	Rents	0	0	0	0	0
932	Maintenance of general plant	21,624	11,035	16,919	17,000	18,000
	TOTAL OPER. & MAINT. EXPENSES	$ 5,035,487	$ 4,908,436	$ 4,690,638	$ 7,451,202	$ 5,999,585
403	**DEPRECIATION EXPENSE**	1,509,380	1,437,201	1,457,161	1,610,358	2,463,335
404-407	**AMORTIZATION EXPENSE**	0	0	0	0	0
408	**TAXES AND TAX EQUIVALENT**	1,312,384	1,299,403	1,183,524	1,400,070	1,891,000
	TOTAL OPERATING EXPENSES	$ 7,857,251	$ 7,645,040	$ 7,331,323	$ 10,461,630	$ 10,353,920
	NET OPERATING INCOME	**$ 837,938**	**$ 2,057,352**	**$ 3,129,947**	**$ (30,630)**	**$ 742,661**

NET INVESTMENT RATE BASE

UTILITY FINANCED PLANT IN SERVICE	$	110,833,081
Less: ACCUMULATED PROVISION FOR DEPRECIATION		29,035,458
NET PLANT IN SERVICE	$	81,797,623
Plus: MATERIALS AND SUPPLIES		258,287
Less: REGULATORY LIABILITY		0
NET INVESTMENT RATE BASE	$	82,055,910
RATE OF RETURN ON RATE BASE		6.00%

ESTIMATED INCOME STATEMENT FOR THE 2024 TEST YEAR AND REVENUE REQUIREMENT TO YIELD A 6.00% RETURN ON NET INVESTMENT RATE BASE

		Present Rates		Increase		After Rate Increase
TOTAL OPERATING REVENUES	$	11,096,581	$	4,180,694	$	15,277,275
OPERATING EXPENSES:						
OPERATION & MAINTENANCE EXPENSES	$	5,999,585			$	5,999,585
DEPRECIATION EXPENSE		2,463,335				2,463,335
AMORTIZATION EXPENSE		0				0
TAXES AND TAX EQUIVALENT		1,891,000				1,891,000
TOTAL OPERATING EXPENSES	$	10,353,920			$	10,353,920
NET OPERATING INCOME (LOSS)	$	742,661			$	4,923,355
RATE OF RETURN ON RATE BASE		0.91%				6.00%

UTILITY FINANCED PLANT IN SERVICE AND DEPRECIATION EXPENSE
TEST YEAR 2024

ACCT NO.	ACCOUNT DESCRIPTION	Balance 12/31/2023 ($)	Major Additions Less Retirements ($)	Normal Additions ($)	Retirements ($)	Balance 12/31/2024 ($)	Test Year Rate Base Balance ($)	Depreciation Rate (%)	Depreciation 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	0	0	0	0	0	0	N/A	0
311	Structures and Improvements	0	5,770,000	0	0	5,770,000	5,770,000	0.00%	0
312	Collecting and Impounding Reservoirs	0	0	0	0	0	0	0.00%	0
313	Lake, River, and Other Intakes	627,615	21,220,000	0	0	21,847,615	21,847,615	1.70%	371,409
314	Wells and Springs	0	0	0	0	0	0	0.00%	0
316	Supply Mains	0	0	0	0	0	0	0.00%	0
317	Other Water Source Plant	0	0	0	0	0	0	0.00%	0
	PUMPING PLANT								
320	Land and Land Rights	2,475	0	0	0	2,475	2,475	N/A	0
321	Structures and Improvements	2,702,648	6,750,000	18,000	0	9,470,648	9,461,648	3.20%	302,773
323	Other Power Production Equipment	553,250	320,000	8,000	0	881,250	877,250	4.40%	38,599
325	Electric Pumping Equipment	2,526,073	3,200,000	23,000	0	5,749,073	5,737,573	4.40%	252,453
326	Diesel Pumping Equipment	0	0	0	0	0	0	0.00%	0
328	Other Pumping Equipment	653,951	0	0	0	653,951	653,951	Fully Depr.	0
	WATER TREATMENT PLANT								
330	Land and Land Rights	13,330	0	0	0	13,330	13,330	N/A	0
331	Structures and Improvements	5,229,448	0	3,700	13,000	5,220,148	5,224,798	3.20%	167,194
332	Sand or Other Media Filtration Equipment	6,249,505	0	102,000	58,000	6,293,505	6,271,505	3.30%	206,960
333	Membrane Filtration Equipment	0	0	0	0	0	0	0.00%	0
334	Other Water Treatment Equipment	1,688,611	860,000	0	0	2,548,611	2,548,611	6.00%	152,917

UTILITY FINANCED PLANT IN SERVICE AND DEPRECIATION EXPENSE
TEST YEAR 2024
(continued)

ACCT NO.	ACCOUNT DESCRIPTION	Balance 12/31/2023 ($)	Major Additions ($)	Normal Additions ($)	Retirements ($)	Balance 12/31/2024 ($)	TEST YEAR RATE BASE BALANCE ($)	DEPRECIATION RATE (%)	DEPRECIATION EXPENSE ($)
	TRANSMISSION & DISTRIBUTION PLANT								
340	Land and Land Rights	359,433	0	0	0	359,433	359,433	N/A	0
341	Structures and Improvements	828,736	0	30,000	7,000	851,736	840,236	3.20%	26,888
342	Distribution Reservoirs and Standpipes	6,672,505	0	0	0	6,672,505	6,672,505	1.90%	126,778
343	Transmission and Distribution Mains	33,200,454	0	1,050,000	22,000	34,228,454	33,714,454	1.30%	438,288
345	Services	0	0	0	0	0	0	0.00%	0
346	Meters	4,716,424	0	152,000	69,000	4,799,424	4,757,924	5.50%	130,843
348	Hydrants	2,566,932	0	55,000	10,000	2,611,932	2,589,432	2.20%	56,968
349	Other Transmission and Distribution Plant	0	0	0	0	0	0	5.00%	0
	GENERAL PLANT								
389	Land and Land Rights	0	0	0	0	0	0	N/A	0
390	Structures and Improvements	588,199	0	0	0	588,199	588,199	2.90%	17,058
391	Office Furniture and Equipment	81,485	0	3,000	1,000	83,485	82,485	5.80%	4,784
391	Computer Equipment	207,595	0	16,000	39,000	184,595	196,095	26.70%	52,357
392	Transportation Equipment	637,109	0	38,000	17,000	658,109	647,609	13.30%	0
393	Stores Equipment	0	0	0	0	0	0	0.00%	0
394	Tools, Shop and Garage Equipment	270,539	0	38,000	4,000	304,539	287,539	5.80%	16,677
395	Laboratory Equipment	31,709	0	6,000	0	37,709	34,709	5.80%	2,013
396	Power Operated Equipment	474,882	0	1,000	9,000	466,882	470,882	7.50%	0
397	Communication Equipment	60,372	0	0	0	60,372	60,372	15.00%	9,056
397	SCADA Equipment	638,951	460,000	47,000	0	1,145,951	1,122,451	9.20%	89,320
398	Miscellaneous Equipment	0	0	0	0	0	0	0.00%	0
	TOTAL UTILITY FINANCED PLANT IN SERVICE	**71,582,231**	**38,580,000**	**1,590,700**	**249,000**	**111,503,931**	**110,833,081**		**2,463,335**

Sheboygan Water Utility - Phase II

SYSTEM DEMAND RATIOS

MAXIMUM DAY SYSTEM DEMAND

TOTAL ANNUAL PUMPAGE	4,925,622,290	Gallons
AVERAGE DAILY PUMPAGE	13,494,856	Gallons
MAXIMUM DAY PUMPAGE	18,833,682	Gallons
FIRE FLOW:		
GAL/MIN	7,000	
DURATION (HOURS)	7.00	
TOTAL FLOW	2,940,000	Gallons
AVERAGE DAY PLUS FIRE FLOW	16,434,856	Gallons

RATIO: BASE = $\frac{13,494,856}{18,833,682}$ = 71.65%

MAX DAY = 100-BASE = 28.35%

MAXIMUM HOUR SYSTEM DEMAND

AVERAGE HOUR ON MAX DAY	784,737	Gallons
MAXIMUM HOUR PUMPAGE	1,265,143	Gallons
AVERAGE HOUR PLUS ONE HOUR FIRE FLOW	982,286	Gallons

RATIO: BASE = $\frac{13,494,856}{30,363,425}$ = 44.44% Use 44.44%

MAX HOUR = 100-BASE = 55.56% Use 55.56%

ALLOCATION OF UTILITY FINANCED PLANT
TO SERVICE COST FUNCTIONS

ACCT NO.	ACCOUNT DESCRIPTION	TOTAL ($)	BASE COSTS		EXTRA-CAPACITY					CUSTOMER COSTS			
					MAX DAY		MAX HOUR						
			System ($)	Distribution ($)	System ($)	Distribution ($)	System ($)	Distribution ($)	Storage ($)	Billing ($)	Equivalent Meter ($)	Equivalent Service ($)	Fire Protection ($)
	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								
311	Structures and Improvements	5,770,000	4,134,365		1,635,635								
312	Collecting and Impounding Reservoirs	0	0		0								
313	Lake, River, and Other Intakes	21,847,615	15,654,422		6,193,193								
314	Wells and Springs	0	0		0								
316	Supply Mains	0	0		0								
317	Other Water Source Plant	0	0		0								
	PUMPING PLANT												
320	Land and Land Rights	2,475	1,773		702								
321	Structures and Improvements	9,461,648	6,779,533		2,682,115								
323	Other Power Production Equipment	877,250	628,574		248,676								
325	Electric Pumping Equipment	5,737,573	4,111,130		1,626,443								
326	Diesel Pumping Equipment	0	0		0								
328	Other Pumping Equipment	653,951	468,574		185,377								
	WATER TREATMENT PLANT												
330	Land and Land Rights	13,330	9,551		3,779								
331	Structures and Improvements	5,224,798	3,743,713		1,481,085								
332	Sand or Other Media Filtration Equipment	6,271,505	4,493,707		1,777,798								
333	Membrane Filtration Equipment	0	0		0								
334	Other Water Treatment Equipment	2,548,611	1,826,150		722,461								

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

ACCT NO.	ACCOUNT DESCRIPTION	TOTAL ($)	BASE COSTS		EXTRA-CAPACITY					CUSTOMER COSTS			
					MAX DAY		MAX HOUR						
			System ($)	Distribution ($)	System ($)	Distribution ($)	System ($)	Distribution ($)	Storage ($)	Billing ($)	Equivalent Meter ($)	Equivalent Service ($)	Fire Protection ($)
	TRANSMISSION & DISTRIBUTION PLANT												
340	Land and Land Rights	359,433	145,458	36,456	48,712	0	0	45,570	27,913	0	35,827	0	19,498
341	Structures and Improvements	840,236	340,033	85,222	113,872	0	0	106,527	65,251	0	83,751	0	45,580
342	Distribution Reservoirs and Standpipes	6,672,505	2,965,558						3,706,947				
343	Transmission mains	22,821,052	16,351,917		6,469,135								
343	Distribution mains	10,893,402		4,841,512				6,051,890					
345	Services	0										0	
346	Meters	4,757,924									4,757,924		
348	Hydrants	2,589,432											2,589,432
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	0	0	0	0	0	0	0	0	0	0	0	0
390	Structures and Improvements	588,199	337,844	27,196	127,067	0	0	33,996	20,823	0	26,727	0	14,546
391	Office Furniture and Equipment	82,485	47,377	3,814	17,819	0	0	4,767	2,920	0	3,748	0	2,040
391	Computer Equipment	196,095	112,631	9,067	42,362	0	0	11,334	6,942	0	8,910	0	4,849
392	Transportation Equipment	647,609	371,967	29,943	139,901	0	0	37,429	22,926	0	29,426	0	16,015
393	Stores Equipment	0	0	0	0	0	0	0	0	0	0	0	0
394	Tools, Shop and Garage Equipment	287,539	165,154	13,295	62,116	0	0	16,619	10,179	0	13,065	0	7,111
395	Laboratory Equipment	34,709	19,936	1,605	7,498	0	0	2,006	1,229	0	1,577	0	858
396	Power Operated Equipment	470,882	270,461	21,772	101,723	0	0	27,215	16,670	0	21,396	0	11,645
397	Communication Equipment	60,372	34,676	2,791	13,042	0	0	3,489	2,137	0	2,743	0	1,493
397	SCADA Equipment	1,122,451	644,702	51,899	242,480	0	0	64,873	39,737	0	51,003	0	27,757
398	Miscellaneous Equipment	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	**110,833,081**	**63,659,208**	**5,124,572**	**23,942,990**	**0**	**0**	**6,405,715**	**3,923,675**	**0**	**5,036,097**	**0**	**2,740,824**

ALLOCATION OF TOTAL PLANT
TO SERVICE COST FUNCTIONS

ACCT NO.	ACCOUNT DESCRIPTION	TOTAL ($)	BASE COSTS		EXTRA-CAPACITY					CUSTOMER COSTS			
					MAX DAY		MAX HOUR						
			System ($)	Distribution ($)	System ($)	Distribution ($)	System ($)	Distribution ($)	Storage ($)	Billing ($)	Equivalent Meter ($)	Equivalent Service ($)	Fire Protection ($)
	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								
311	Structures and Improvements	7,500,000	5,373,958		2,126,042								
312	Collecting and Impounding Reservoirs	0	0		0								
313	Lake, River, and Other Intakes	28,187,615	20,197,208		7,990,407								
314	Wells and Springs	0	0		0								
316	Supply Mains	0	0		0								
317	Other Water Source Plant	0	0		0								
	PUMPING PLANT												
320	Land and Land Rights	2,475	1,773		702								
321	Structures and Improvements	11,481,648	8,226,919		3,254,729								
323	Other Power Production Equipment	977,250	700,227		277,023								
325	Electric Pumping Equipment	6,697,573	4,798,997		1,898,576								
326	Diesel Pumping Equipment	0	0		0								
328	Other Pumping Equipment	653,951	468,574		185,377								
	WATER TREATMENT PLANT												
330	Land and Land Rights	13,330	9,551		3,779								
331	Structures and Improvements	5,523,663	3,957,858		1,565,805								
332	Sand or Other Media Filtration Equipment	6,365,727	4,561,220		1,804,507								
333	Membrane Filtration Equipment	0	0		0								
334	Other Water Treatment Equipment	3,009,746	2,156,567		853,179								

ALLOCATION OF TOTAL PLANT
TO SERVICE COST FUNCTIONS
(continued)

ACCT NO.	ACCOUNT DESCRIPTION	TOTAL ($)	EXTRA-CAPACITY: BASE COSTS System ($)	BASE COSTS Distribution ($)	MAX DAY System ($)	MAX DAY Distribution ($)	MAX HOUR System ($)	MAX HOUR Distribution ($)	MAX HOUR Storage ($)	CUSTOMER COSTS Billing ($)	CUSTOMER COSTS Equivalent Meter ($)	CUSTOMER COSTS Equivalent Service ($)	Fire Protection ($)
	TRANSMISSION & DISTRIBUTION PLANT												
340	Land and Land Rights	359,433	129,695	48,631	43,433	0	0	60,789	24,888	0	31,944	0	20,054
341	Structures and Improvements	840,236	303,183	113,683	101,532	0	0	142,104	58,180	0	74,675	0	46,880
342	Distribution Reservoirs and Standpipes	6,672,505	2,965,558						3,706,947				
343	Transmission mains	22,821,052	16,351,917		6,469,135								
343	Distribution mains	16,297,585		7,243,371				9,054,214					
345	Services	0										0	
346	Meters	4,757,924									4,757,924		
348	Hydrants	2,986,968											2,986,968
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	0	0	0	0	0	0	0	0	0	0	0	0
390	Structures and Improvements	588,199	329,955	34,807	124,899	0	0	43,508	17,813	0	22,863	0	14,353
391	Office Furniture and Equipment	82,485	46,271	4,881	17,515	0	0	6,101	2,498	0	3,206	0	2,013
391	Computer Equipment	196,095	110,001	11,604	41,639	0	0	14,505	5,939	0	7,622	0	4,785
392	Transportation Equipment	647,609	363,282	38,322	137,514	0	0	47,903	19,612	0	25,173	0	15,803
393	Stores Equipment	0	0	0	0	0	0	0	0	0	0	0	0
394	Tools, Shop and Garage Equipment	287,539	161,297	17,015	61,056	0	0	21,269	8,708	0	11,177	0	7,017
395	Laboratory Equipment	34,709	19,470	2,054	7,370	0	0	2,567	1,051	0	1,349	0	847
396	Power Operated Equipment	470,882	264,145	27,864	99,988	0	0	34,831	14,260	0	18,303	0	11,491
397	Communication Equipment	60,372	33,866	3,573	12,819	0	0	4,466	1,828	0	2,347	0	1,473
397	SCADA Equipment	1,262,451	708,183	74,706	268,070	0	0	93,382	38,232	0	49,072	0	30,807
398	Miscellaneous Equipment	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	**128,779,022**	**72,239,676**	**7,620,511**	**27,345,096**	**0**	**0**	**9,525,639**	**3,899,956**	**0**	**5,005,654**	**0**	**3,142,490**

ALLOCATION OF DEPRECIATION EXPENSE
TO SERVICE COST FUNCTIONS

ACCT NO.	ACCOUNT DESCRIPTION	TOTAL ($)	EXTRA-CAPACITY							CUSTOMER COSTS			
			BASE COSTS		MAX DAY		MAX HOUR						
			System ($)	Distribution ($)	System ($)	Distribution ($)	System ($)	Distribution ($)	Storage ($)	Billing ($)	Equivalent Meter ($)	Equivalent Service ($)	Fire Protection ($)
	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								
311	Structures and Improvements	0	0		0								
312	Collecting and Impounding Reservoirs	0	0		0								
313	Lake, River, and Other Intakes	371,409	266,125		105,284								
314	Wells and Springs	0	0		0								
316	Supply Mains	0	0		0								
317	Other Water Source Plant	0	0		0								
	PUMPING PLANT												
320	Land and Land Rights	0	0		0								
321	Structures and Improvements	302,773	216,945		85,828								
323	Other Power Production Equipment	38,599	27,657		10,942								
325	Electric Pumping Equipment	252,453	180,890		71,563								
326	Diesel Pumping Equipment	0	0		0								
328	Other Pumping Equipment	0	0		0								
	WATER TREATMENT PLANT												
330	Land and Land Rights	0	0		0								
331	Structures and Improvements	167,194	119,799		47,395								
332	Sand or Other Media Filtration Equipment	206,960	148,293		58,667								
333	Membrane Filtration Equipment	0	0		0								
334	Other Water Treatment Equipment	152,917	109,569		43,348								

ALLOCATION OF DEPRECIATION EXPENSE
TO SERVICE COST FUNCTIONS
(continued)

ACCT NO.	ACCOUNT DESCRIPTION	TOTAL ($)	BASE COSTS		EXTRA-CAPACITY					CUSTOMER COSTS			
					MAX DAY		MAX HOUR						
			System ($)	Distribution ($)	System ($)	Distribution ($)	System ($)	Distribution ($)	Storage ($)	Billing ($)	Equivalent Meter ($)	Equivalent Service ($)	Fire Protection ($)
	TRANSMISSION & DISTRIBUTION PLANT												
340	Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0
341	Structures and Improvements	26,888	9,604	2,248	3,003	0	0	2,810	2,515	0	4,673	0	2,035
342	Distribution Reservoirs and Standpipes	126,778	56,346						70,432				
343	Transmission mains	296,674	212,575		84,099								
343	Distribution mains	141,614		62,940				78,675					
345	Services	0										0	
346	Meters	130,843									130,843		
348	Hydrants	56,968											56,968
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	0	0	0	0	0	0	0	0	0	0	0	0
390	Structures and Improvements	17,058	10,119	489	3,830	0	0	612	548	0	1,017	0	443
391	Office Furniture and Equipment	4,784	2,838	137	1,074	0	0	172	154	0	285	0	124
391	Computer Equipment	52,357	31,058	1,502	11,755	0	0	1,878	1,681	0	3,123	0	1,360
392	Transportation Equipment	0	0	0	0	0	0	0	0	0	0	0	0
393	Stores Equipment	0	0	0	0	0	0	0	0	0	0	0	0
394	Tools, Shop and Garage Equipment	16,677	9,893	478	3,744	0	0	598	535	0	995	0	433
395	Laboratory Equipment	2,013	1,194	58	452	0	0	72	65	0	120	0	52
396	Power Operated Equipment	0	0	0	0	0	0	0	0	0	0	0	0
397	Communication Equipment	9,056	5,372	260	2,033	0	0	325	291	0	540	0	235
397	SCADA Equipment	89,320	52,985	2,563	20,054	0	0	3,203	2,868	0	5,327	0	2,320
398	Miscellaneous Equipment	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	**2,463,335**	**1,461,262**	**70,675**	**553,072**	**0**	**0**	**88,344**	**79,088**	**0**	**146,924**	**0**	**63,969**

ALLOCATION OF OPERATION AND MAINTENANCE EXPENSES
TO SERVICE COST FUNCTIONS

			EXTRA-CAPACITY									
			BASE COSTS		MAX DAY		MAX HOUR			CUSTOMER COSTS			
ACCT NO.	ACCOUNT DESCRIPTION	TOTAL ($)	System ($)	Distribution ($)	System ($)	Distribution ($)	System ($)	Distribution ($)	Storage ($)	Billing ($)	Equivalent Meter ($)	Equivalent Service ($)	Fire Protection ($)
	SOURCE OF SUPPLY												
600	Operation labor	0	0		0								
601	Operation labor and expenses	0	0		0								
602	Purchased water	0	0										0
603	Miscellaneous expenses	0	0		0								
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	20,000	14,331		5,669								
614	Maintenance of wells and springs	0	0		0								
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	45,000	32,244		12,756								
621	Fuel for power production	0	0										
622	Power production labor and expenses	0	0										
623	Fuel or power purchased for production	579,000	579,000										
624	Pumping labor and expenses	0	0		0								
625	Expenses transferred--credit	0	0		0								
626	Miscellaneous expenses	105,000	75,235		29,765								
627	Rents	0	0		0								
630	Maintenance supervision and engineering	13,000	9,315		3,685								
631	Maintenance of structures and improvements	161,000	115,361		45,639								
632	Maintenance of power production equipment	0	0		0								
633	Maintenance of pumping equipment	7,000	5,016		1,984								
	WATER TREATMENT EXPENSES												
640	Operation supervision and engineering	48,000	34,393		13,607								
641	Chemicals	587,000	587,000										
642	Operation labor and expenses	877,000	628,395		248,605								
643	Miscellaneous expenses	25,000	17,913		7,087								
644	Rents	0	0		0								
650	Maintenance supervision and engineering	0	0		0								
651	Maintenance of structures and improvements	57,000	40,842		16,158								
652	Maintenance of water treatment equipment	112,500	80,609		31,891								

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

ACCT NO.	ACCOUNT DESCRIPTION	TOTAL ($)	BASE COSTS		EXTRA-CAPACITY					CUSTOMER COSTS			
					MAX DAY		MAX HOUR						
			System ($)	Distribution ($)	System ($)	Distribution ($)	System ($)	Distribution ($)	Storage ($)	Billing ($)	Equivalent Meter ($)	Equivalent Service ($)	Fire Protection ($)
	TRANSMISSION & DISTRIBUTION EXPENSES												
660	Operation supervision and engineering	55,000	13,307	7,249	2,813	0	0	9,061	7,745	0	3,466	10,012	1,348
661	Storage facilities expenses	24,000	10,667						13,333				
662	Transmission lines expenses	44,642	31,987		12,655								
662	Distribution lines expenses	73,358		32,604				40,755					
663	Meter expenses	41,000									41,000		
664	Customer installations expenses	206,000										206,000	
665	Miscellaneous expenses	154,000	37,260	20,296	7,878	0	0	25,370	21,685	0	9,704	28,034	3,774
666	Rents	0	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	0
671	Maintenance of structures and improvements	78,000	18,872	10,280	3,990	0	0	12,850	10,983	0	4,915	14,199	1,911
672	Maintenance of distr.reservoirs and standpipes	265,600	118,044						147,556				
673	Maintenance of transmission mains	161,543	115,750		45,793								
673	Maintenance of distribution mains	265,457		117,981				147,476					
675	Maintenance of services	2,000										2,000	
676	Maintenance of meters	31,000									31,000		
677	Maintenance of hydrants	28,000											28,000
678	Maintenance of miscellaneous plant	0	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER ACCOUNTS EXPENSES												
901	Supervision	49,000								49,000			
902	Meter reading labor	33,000								33,000			
903	Customer records and collection expenses	207,000								207,000			
904	Uncollectible accounts	3,000								3,000			
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	428,000	198,549	26,729	69,511	0	0	33,411	28,558	16,570	12,780	36,920	4,970
921	Office supplies and expenses	23,000	10,670	1,436	3,735	0	0	1,795	1,535	890	687	1,984	267
922	Administrative expenses transferred -- credit	0	0	0	0	0	0	0	0	0	0	0	0
923	Outside services employed	115,000	53,349	7,182	18,677	0	0	8,977	7,673	4,452	3,434	9,920	1,335
924	Property insurance	52,000	29,170	3,077	11,042	0	0	3,846	1,575	0	2,021	0	1,269
925	Injuries and damages	49,000	22,731	3,060	7,958	0	0	3,825	3,270	1,897	1,463	4,227	569
926	Employee pensions and benefits	909,000	421,685	56,768	147,631	0	0	70,960	60,653	35,192	27,143	78,413	10,556
928	Regulatory commission expenses	1,500	696	94	244	0	0	117	100	58	45	129	17
929	Duplicate charges -- credit	0	0	0	0	0	0	0	0	0	0	0	0
930	Miscellaneous general expenses	45,985	21,332	2,872	7,468	0	0	3,590	3,068	1,780	1,373	3,967	534
931	Rents	0	0	0	0	0	0	0	0	0	0	0	0
932	Maintenance of general plant	18,000	8,350	1,124	2,923	0	0	1,405	1,201	697	537	1,553	209
	TOTAL OPERATION & MAINTENANCE EXPENSES	**5,999,585**	**3,332,073**	**290,751**	**759,164**	**0**	**0**	**363,439**	**308,934**	**353,537**	**139,569**	**397,359**	**54,760**

SUMMARY OF ALLOCATION OF OPERATING COSTS TO SERVICE COST FUNCTIONS

				EXTRA-CAPACITY					CUSTOMER COSTS			
		BASE COSTS		MAX DAY		MAX HOUR						
OPERATING COST	TOTAL ($)	System ($)	Distribution ($)	System ($)	Distribution ($)	System ($)	Distribution ($)	Storage ($)	Billing ($)	Equivalent Meter ($)	Equivalent Service ($)	Fire Protection ($)
OPERATION AND MAINTENANCE	5,999,585	3,332,073	290,751	759,164	0	0	363,439	308,934	353,537	139,569	397,359	54,760
DEPRECIATION EXPENSE	2,463,335	1,461,262	70,675	553,072	0	0	88,344	79,088	0	146,924	0	63,969
AMORTIZATION EXPENSE	0	0	0	0	0	0	0	0	0	0	0	0
TAXES AND TAX EQUIVALENT	1,891,000	1,060,772	111,900	401,537	0	0	139,875	57,267	0	73,503	0	46,145
RETURN ON NET INVESTMENT RATE BASE	4,923,355	2,827,828	227,640	1,063,580	0	0	284,550	174,295	0	223,710	0	121,751
TOTAL	**15,277,275**	**8,681,935**	**700,966**	**2,777,354**	**0**	**0**	**876,208**	**619,584**	**353,537**	**583,706**	**397,359**	**286,625**

CUSTOMER CLASS DEMAND RATIOS

CUSTOMER CLASS	Annual Volume 100 CCF	Average Day Volume CF	Percent (%)	System Adjusted Percent (%)	Distribution Adjusted Percent (%)	Extra Capacity Ratio	Volume Rate CF Per Day	Percent (%)	System Adjusted Percent (%)	Distribution Adjusted Percent (%)	Extra Capacity Ratio	Volume Rate CF Per Hour	Percent (%)	System Adjusted Percent (%)	Distribution Adjusted Percent (%)	Storage Adjusted Percent (%)
	BASE COSTS						EXTRA-CAPACITY MAX DAY DEMAND					EXTRA-CAPACITY MAX HOUR DEMAND				
Residential	969,174	265,527	15.91%	15.91%	18.42%	2.10	557,607	23.85%	23.85%	25.23%	4.50	49,786	21.79%	21.79%	24.31%	23.56%
Multifamily Residential	170,136	46,613	2.79%	2.79%	3.23%	1.85	86,233	3.69%	3.69%	3.90%	4.05	7,866	3.44%	3.44%	3.84%	3.72%
Commercial	302,339	82,833	4.96%	4.96%	5.75%	1.60	132,532	5.67%	5.67%	6.00%	3.60	12,425	5.44%	5.44%	6.07%	5.88%
Industrial	3,691,069	1,011,252	60.61%	60.61%	70.16%	1.00	1,011,252	43.26%	43.26%	45.76%	1.80	75,844	33.19%	33.19%	37.03%	35.89%
Public Authority	67,152	18,398	1.10%	1.10%	1.28%	1.60	29,436	1.26%	1.26%	1.33%	3.60	2,760	1.21%	1.21%	1.35%	1.31%
Kohler	344,878	94,487	5.66%	5.66%	0.00%	0.66	62,362	2.67%	2.67%	0.00%	1.65	6,496	2.84%	2.84%	0.00%	3.07%
Sheboygan Falls	484,309	132,687	7.95%	7.95%	0.00%	0.49	65,017	2.78%	2.78%	0.00%	3.11	17,194	7.52%	7.52%	0.00%	0.00%
Public Fire Protection	60,900	16,685	1.00%	1.00%	1.16%		393,048	16.81%	16.81%	17.78%		56,150	24.57%	24.57%	27.41%	26.57%
TOTALS	**6,089,957**	**1,668,481**	**100%**	**100%**	**100%**		**2,337,487**	**100%**	**100%**	**100%**		**228,520**	**100%**	**100%**	**100%**	**100%**
									50%	50%	<-- Public Fire % Limits -->			50%	50%	80%

Maximum Day Demand = 3,596,236 (CUBIC FEET/DAY) SUM OF GENERAL SERVICE AVERAGE AND MAXIMUM DAY EXTRA CAPACITY DEMAND

Maximum Hour Demand = 241,196 (CUBIC FEET/HR) SUM OF GENERAL SERVICE AVERAGE AND MAXIMUM HOUR EXTRA CAPACITY DEMAND

1.43 = NON-COINCIDENT / COINCIDENT RATIO FOR MAX DAY

1.43 = NON-COINCIDENT / COINCIDENT RATIO FOR MAX HOUR

CUSTOMER CLASS ALLOCATION FACTORS

NUMBER OF METERS

Meter size (inches):	5/8	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4	6	8	10	12	TOTAL METERS	PERCENT
Residential	10,644	6,396	54	0	5	0	0	0	0	0	0	0	0	17,099	90%
Multifamily Residential	60	46	37	0	79	55	0	18	1	0	0	0	0	296	2%
Commercial	299	609	245	0	84	72	0	18	3	0	0	0	0	1,330	7%
Industrial	29	37	29	0	17	38	0	12	8	7	4	0	0	181	1%
Public Authority	1	15	33	0	25	39	0	11	2	0	0	0	0	126	1%
Kohler	0	0	0	0	0	0	0	0	0	1	1	1	0	3	0%
Sheboygan Falls	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0%
TOTALS	11,033	7,103	398	0	210	204	0	59	14	8	5	2	0	19,036	100%

EQUIVALENT METERS

ALLOCATION FACTOR:														TOTAL	
Meter size (inches):	5/8	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4	6	8	10	12	EQUIV.	
Equiv. meters ratio:	1.0	1.0	2.5	3.7	5.0	8.0	12.5	15.0	25.0	50.0	80.0	120.0	160.0	METERS	PERCENT
Residential	10,644	6,396	135	0	25	0	0	0	0	0	0	0	0	17,200	71%
Multifamily Residential	60	46	93	0	395	440	0	270	25	0	0	0	0	1,329	6%
Commercial	299	609	613	0	420	576	0	270	75	0	0	0	0	2,862	12%
Industrial	29	37	73	0	85	304	0	180	200	350	320	0	0	1,578	7%
Public Authority	1	15	83	0	125	312	0	165	50	0	0	0	0	751	3%
Kohler	0	0	0	0	0	0	0	0	0	50	80	120	0	250	1%
Sheboygan Falls	0	0	0	0	0	0	0	0	0	0	0	120	0	120	0%
TOTALS	11,033	7,103	995	0	1,050	1,632	0	885	350	400	400	240	0	24,088	100%

EQUIVALENT SERVICES

ALLOCATION FACTOR:														TOTAL	
Meter size (inches):	5/8	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4	6	8	10	12	EQUIV.	
Equiv. services ratio:	1.0	1.0	1.3	1.7	2.0	3.0	3.5	4.0	5.0	6.0	7.0	8.0	9.0	SERVICES	PERCENT
Residential	10,644	6,396	70	0	10	0	0	0	0	0	0	0	0	17,120	85%
Multifamily Residential	60	46	48	0	158	165	0	72	5	0	0	0	0	554	3%
Commercial	299	609	319	0	168	216	0	72	15	0	0	0	0	1,698	8%
Industrial	29	37	38	0	34	114	0	48	40	42	28	0	0	410	2%
Public Authority	1	15	43	0	50	117	0	44	10	0	0	0	0	280	1%
Kohler	0	0	0	0	0	0	0	0	0	6	7	8	0	21	0%
Sheboygan Falls	0	0	0	0	0	0	0	0	0	0	0	8	0	8	0%
TOTALS	11,033	7,103	517	0	420	612	0	236	70	48	35	16	0	20,090	100%

ALLOCATION OF SERVICE COST FUNCTIONS TO CUSTOMER CLASSES

	TOTAL ($)	Residential ($)	Multifamily Residential ($)	Commercial ($)	Industrial ($)	Public Authority ($)	Kohler ($)	Sheboygan Falls ($)	Public Fire Protection ($)
BASE COSTS:									
SYSTEM	8,681,935	1,381,669	242,548	431,019	5,262,044	95,733	491,664	690,439	86,819
DISTRIBUTION	700,966	129,137	22,670	40,285	491,813	8,948	0	0	8,115
EXTRA-CAPACITY COSTS:									
MAXIMUM-DAY SYSTEM	2,777,354	662,537	102,461	157,472	1,201,548	34,976	74,097	77,252	467,012
MAXIMUM-DAY DISTRIBUTION	0	0	0	0	0	0	0	0	0
MAXIMUM-HOUR SYSTEM	0	0	0	0	0	0	0	0	0
MAXIMUM-HOUR DISTRIBUTION	876,208	212,972	33,648	53,150	324,439	11,805	0	0	240,193
MAXIMUM-HOUR STORAGE	619,584	145,968	23,062	36,428	222,365	8,091	19,045	0	164,624
CUSTOMER COSTS:									
BILLING	353,537	317,563	5,497	24,701	3,362	2,340	56	19	
EQUIVALENT METERS	583,706	416,794	32,193	69,341	38,226	18,186	6,058	2,908	
EQUIVALENT SERVICES	397,359	338,613	10,959	33,574	8,103	5,536	415	158	
FIRE PROTECTION	286,625								286,625
TOTAL COST	15,277,275	3,605,253	473,038	845,970	7,551,901	185,615	591,335	770,775	1,253,388
LESS OTHER REVENUE	285,077	45,842	6,015	10,757	96,026	2,360	0	0	124,077
COST OF SERVICE	14,992,198	3,559,411	467,023	835,213	7,455,876	183,255	591,335	770,775	1,129,311
REVENUE AT PRESENT RATES	10,811,504	2,694,969	330,824	622,484	5,166,864	134,889	361,489	540,559	959,426
DIFFERENCE	4,180,694	864,442	136,199	212,729	2,289,012	48,366	229,846	230,216	169,885
PERCENT INCREASE/DECREASE	**38.67%**	**32.08%**	**41.17%**	**34.17%**	**44.30%**	**35.86%**	**63.58%**	**42.59%**	**17.71%**

Docket 5370-WR-111 **Schedule 11**

Sheboygan Water Utility - Phase II
Comparison of Revenue
at
Present Rates, Cost of Service and Proposed Rates

		Cost of Service		Proposed Rates		
Customer Class	**Revenue at Present Rates**	**Revenue Required**	**Increase over Present Rates**	**Revenue**	**Increase over Present Rates**	**Percent of Cost of Service**
Residential	$2,694,969	$3,559,411	32.08%	$3,550,095	31.73%	99.74%
Multifamily Residential	$330,824	$467,023	41.17%	$462,989	39.95%	99.14%
Commercial	$622,484	$835,213	34.17%	$851,986	36.87%	102.01%
Industrial	$5,166,864	$7,455,876	44.30%	$7,448,795	44.16%	99.91%
Public Authority	$134,889	$183,255	35.86%	$184,219	36.57%	100.53%
Kohler	$361,489	$591,335	63.58%	$592,845	64.00%	100.26%
Sheboygan Falls	$540,559	$770,775	42.59%	$773,148	43.03%	100.31%
Public Fire Protection	$959,426	$1,129,311	17.71%	$1,129,317	17.71%	100.00%
Total	$10,811,504	$14,992,198	38.67%	$14,993,394	38.68%	100.01%

Sheboygan Water Utility - Phase II

Customer Water Bill Comparison at Present and Proposed Rates

			Quarterly			Quarterly Including Public Fire Protection		
Customer Type	Meter Size	Volume (100 Cubic Feet)	Bills at Old Rates	Bills at Phase II Rates	Percent Change	Bills at Old Rates	Bills at Phase II Rates	Percent Change
Small Residential	3/4"	7	$ 27.04	$ 33.60	24.26%	$ 35.83	$ 43.92	22.58%
Average Residential	3/4"	14	$ 39.08	$ 51.45	31.65%	$ 47.87	$ 61.77	29.04%
Large Residential	3/4"	50	$ 101.00	$ 143.25	41.83%	$ 109.79	$ 153.57	39.88%
Large Residential	3/4"	100	$ 187.00	$ 270.75	44.79%	$ 195.79	$ 281.07	43.56%
Large Residential	3/4"	150	$ 273.00	$ 398.25	45.88%	$ 281.79	$ 408.57	44.99%
Multifamily Residential	2"	375	$ 683.25	$ 956.70	40.02%	$ 752.25	$ 1,039.35	38.17%
Multifamily Residential	2"	400	$ 723.50	$ 1,012.95	40.01%	$ 792.50	$ 1,095.60	38.25%
Multifamily Residential	2"	450	$ 804.00	$ 1,125.45	39.98%	$ 873.00	$ 1,208.10	38.38%
Multifamily Residential	2"	575	$ 1,005.25	$ 1,406.70	39.94%	$ 1,074.25	$ 1,489.35	38.64%
Public Authority	6"	680	$ 1,432.30	$ 1,914.00	33.63%	$ 1,873.30	$ 2,430.00	29.72%
Public Authority	4"	560	$ 1,086.10	$ 1,485.00	36.73%	$ 1,305.10	$ 1,743.00	33.55%

			Monthly			Monthly Including Public Fire Protection		
Customer Type	Meter Size	Volume (100 Cubic Feet)	Bills at Old Rates	Bills at Phase II	Percent Change	Bills at Old Rates	Bills at Phase II Rates	Percent Change
Commercial	3"	1,300	$ 2,133.50	$ 2,978.00	39.58%	$ 2,177.50	$ 3,031.00	39.20%
Commercial	3"	1,600	$ 2,616.50	$ 3,653.00	39.61%	$ 2,660.50	$ 3,706.00	39.30%
Commercial	3"	1,650	$ 2,697.00	$ 3,765.50	39.62%	$ 2,741.00	$ 3,818.50	39.31%
Commercial	3"	1,950	$ 3,103.32	$ 4,355.30	40.34%	$ 3,147.32	$ 4,408.30	40.07%
Industrial	3"	13,500	$ 18,580.32	$ 26,877.80	44.66%	$ 18,624.32	$ 26,930.80	44.60%
Industrial	4"	19,000	$ 25,971.32	$ 37,624.80	44.87%	$ 26,044.32	$ 37,710.80	44.79%
Industrial	8"	77,000	$ 103,802.32	$ 150,839.80	45.31%	$ 104,036.32	$ 151,115.80	45.25%
Industrial	8"	79,000	$ 106,482.32	$ 154,739.80	45.32%	$ 106,716.32	$ 155,015.80	45.26%
Public Authority	2"	3,000	$ 4,496.32	$ 6,387.45	42.06%	$ 4,519.32	$ 6,415.00	41.95%
Public Authority	8"	34,435	$ 46,765.22	$ 67,838.05	45.06%	$ 46,999.22	$ 68,114.05	44.93%

Docket 5370-WR-111 Schedule 13

Sheboygan Water Utility

Proposed Water Rates and Rules – Phase II

Docket 5370-WR-111

Sheboygan Water Utility

Water Rate File Changes – Phase II

Amended

F-1
Upf-1
Mg-1
W-1
W-2
NSM-1
Am-1
OC-1
Mpa-1
Ug-1
Sg-1
BW-1
R-1
Cz-1
LSL-1
LSL-2
X-1
X-2
X-3
X-4

RATE FILE *(DRAFT)*

Sheet No. 1 of 1
Schedule No. F-1
Amendment No. 52

Public Service Commission of Wisconsin

Sheboygan Water Utility

Public Fire Protection Service

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

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

Public Fire Protection Service Charges:

		Quarterly	Monthly			Quarterly	Monthly
⅝ - inch meter:	$	10.32	3.44	3 - inch meter:	$	159.00	53.00
¾ - inch meter:	$	10.32	3.44	4 - inch meter:	$	258.00	86.00
1 - inch meter:	$	25.80	8.60	6 - inch meter:	$	516.00	172.00
1¼ - inch meter:	$	38.25	12.75	8 - inch meter:	$	828.00	276.00
1½ - inch meter:	$	51.69	17.23	10 - inch meter:	$	1,239.00	413.00
2 - inch meter:	$	82.65	27.55	12 - inch meter:	$	1,653.00	551.00

Customers who are provided service under Schedules Mg-1, 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-1.

RATE FILE *(DRAFT)*

Sheet No. 1 of 1
Schedule No. Upf-1
Amendment No. 52

Public Service Commission of Wisconsin

Sheboygan Water Utility

Private Fire Protection Service - Unmetered

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

Private Fire Protection Service Demand Charges:

		Quarterly	Monthly
2 - inch or smaller connection:	$	13.50	4.50
3 - inch connection:	$	24.00	8.00
4 - inch connection:	$	42.00	14.00
6 - inch connection:	$	84.00	28.00
8 - inch connection:	$	135.00	45.00
10 - inch connection:	$	204.00	68.00
12 - inch connection:	$	270.00	90.00
14 - inch connection:	$	339.00	113.00
16 - inch connection:	$	408.00	136.00

Billing: Same as Schedule Mg-1.

RATE FILE *(DRAFT)*

Sheet No. 1 of 1
Schedule No. Mg-1
Amendment No. 52

Public Service Commission of Wisconsin

Sheboygan Water Utility

General Service - Metered

Service Charges:

		Quarterly	Monthly			Quarterly	Monthly
⅝ - inch meter:	$	15.75	5.25	3 - inch meter:	$	114.00	38.00
¾ - inch meter:	$	15.75	5.25	4 - inch meter:	$	180.00	60.00
1 - inch meter:	$	25.32	8.44	6 - inch meter:	$	339.00	113.00
1¼ - inch meter:	$	35.46	11.82	8 - inch meter:	$	525.00	175.00
1½ - inch meter:	$	44.82	14.94	10 - inch meter:	$	774.00	258.00
2 - inch meter:	$	67.95	22.65	12 - inch meter:	$	1,020.00	340.00

Plus Volume Charges:

First	15,000	cubic feet used quarterly or
	5,000	cubic feet used monthly: $2.55 per 100 cubic feet
Next	485,000	cubic feet used quarterly or
	161,600	cubic feet used monthly: $2.25 per 100 cubic feet
Over	500,000	cubic feet used quarterly or
	166,600	cubic feet used monthly: $1.95 per 100 cubic feet

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

Combined Metering: For a residential customer with more than one meter on a single service lateral, volumetric reading from all meters shall be combined for billing. For a nonresidential customer, volumetric readings may 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 may not be combined for billing. This requirement does not preclude the utility from combining readings where metering configurations support such an approach. Volumetric readings from individually metered separate service laterals may not be combined for billing purposes.

RATE FILE *(DRAFT)*

Sheet No. 1 of 1
Schedule No. W-1
Amendment No. 52

Public Service Commission of Wisconsin

Sheboygan Water Utility

Wholesale Water Service

Wholesale water service to the Village of Kohler shall be provided at the following rate:

Public Fire Protection Service

Service Charge: $ 4,195.00 per month

General Service

Service Charge: $ 546.00 per month

Volume Charge: $ 1.70 per 100 cubic feet

Billing: Same as Schedule Mg-1.

RATE FILE ***(DRAFT)***

Sheet No. 1 of 1
Schedule No. W-2
Amendment No. 52

Public Service Commission of Wisconsin

Sheboygan Water Utility

Wholesale Water Service

Wholesale water service to the City of Sheboygan Falls shall be provided at the following rate:

Public Fire Protection Service

Service Charge: $ 9,625.00 per month

General Service

Service Charge: $ 258.00 per month

Volume Charge: $ 1.59 per 100 cubic feet

Billing: Same as Schedule Mg-1.

RATE FILE *(DRAFT)*

Sheet No. 1 of 1
Schedule No. NSM-1
Amendment No. 52

Public Service Commission of Wisconsin

Sheboygan Water Utility

Non-Standard Meter Service

The utility shall assess a charge of $10.95 per quarter to a customer who is provided service under Schedule Mg-1 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-1.

RATE FILE *(DRAFT)*

Sheet No. 1 of 1
Schedule No. Am-1
Amendment No. 52

Public Service Commission of Wisconsin

Sheboygan Water Utility

Additional Meter Rental Charge

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

A. Water service customers for the purpose of measuring the volume of water used that is not discharged into the sanitary sewer system; and

B. Sewerage service customers who are not customers of the water utility for the purpose of determining the volume of sewage that is discharged into the sanitary sewer system.

The utility shall charge a meter installation charge of $60.00 and a quarterly rental fee for the use of this additional meter.

Additional Meter Rental Charges:

		Quarterly	Monthly
⅝ - inch meter:	$	7.89	2.63
¾ - inch meter:	$	7.89	2.63
1 - inch meter:	$	12.66	4.22
1¼ - inch meter:	$	17.73	5.91
1½ - inch meter:	$	22.41	7.47
2 - inch meter:	$	33.99	11.33

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 ¾-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 ¾-inch and installed in the Addition Method, each meter shall be treated as a separate account and Schedule Mg-1 rates shall apply.

Billing: Same as Schedule Mg-1.

RATE FILE *(DRAFT)*

Sheet No. 1 of 1
Schedule No. OC-1
Amendment No. 52

Public Service Commission of Wisconsin

Sheboygan Water Utility

Other Charges

Payment Not Honored by Financial Institution Charge: The utility shall assess a $40.00 charge when a payment rendered for utility service is not honored by the customer's financial institution. This charge may not be in addition to, but may be inclusive of, other such charges when the payment was for multiple services.

Billing: Same as Schedule Mg-1.

RATE FILE *(DRAFT)*

Sheet No. 1 of 1
Schedule No. Mpa-1
Amendment No. 52

Public Service Commission of Wisconsin

Sheboygan Water Utility

Public Service

Metered Service
Water used by the City of Sheboygan 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-1.

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-1, excluding any service charges.

Billing: Same as Schedule Mg-1.

RATE FILE *(DRAFT)*

Sheet No. 1 of 1
Schedule No. Ug-1
Amendment No. 52

Public Service Commission of Wisconsin

Sheboygan Water Utility

General Water Service - Unmetered

Service may be supplied temporarily on an unmetered basis where the utility cannot immediately install a water meter, including water used for construction. Unmetered service shall be billed the amount that would be charged to a metered residential customer using 1,400 cubic feet (or approximately 10,472 gallons) of water quarterly under Schedule Mg-1, including the service charge for a ⅝-inch meter. If the utility determines that actual usage exceeds 1,400 cubic feet of water quarterly, an additional charge for the estimated excess usage shall be made according to the rates under Schedule Mg-1.

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-1.

Billing: Same as Schedule Mg-1.

RATE FILE *(DRAFT)*

Sheet No. 1 of 1
Schedule No. Sg-1
Amendment No. 52

Public Service Commission of Wisconsin

Sheboygan Water Utility

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-1 year-round, including the period of temporary disconnection.

Seasonal service shall include customers taking service under Schedule Mg-1, 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-1, unless the utility and customer agree to an alternative payment schedule for the period of voluntary disconnection.

RATE FILE *(DRAFT)*

Sheet No. 1 of 1
Schedule No. BW-1
Amendment No. 52

Public Service Commission of Wisconsin

Sheboygan Water Utility

Bulk Water

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

Bulk water sales are:

A. Water supplied by tank trucks or from hydrants for the purpose of extinguishing fires outside the utility's service area;

B. Water supplied by tank trucks or from hydrants for purposes other than extinguishing fires, such as water used for irrigation or filling swimming pools; or,

C. Water supplied from hydrants or other temporary connections for general service type applications, except that Schedule Ug-1 applies for water supplied for construction purposes.

A service charge of $60.00 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-1. In addition, for meters that are assigned to bulk water customers for more than 7 days, the applicable service charge in Schedule Mg-1 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-1.

RATE FILE *(DRAFT)*

Sheet No. 1 of 1
Schedule No. R-1
Amendment No. 52

Public Service Commission of Wisconsin

Sheboygan Water Utility

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: $60.00

The utility may assess an administrative charge of $35.00 when a service person arrives at a customer's property to disconnect service, provided the customer then makes the payment necessary to avoid disconnection.

Billing: Same as Schedule Mg-1.

RATE FILE *(DRAFT)*

Sheet No. 1 of 1
Schedule No. Cz-1
Amendment No. 52

Public Service Commission of Wisconsin

Sheboygan Water Utility

Water Lateral Installation Charge

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-1.

RATE FILE *(DRAFT)*

Sheet No. 1 of 3
Schedule No. LSL-1
Amendment No. 52

Public Service Commission of Wisconsin

Sheboygan Water Utility

Financial Assistance for Customer-Side Lead Service Line Replacement

The Utility has established a financial assistance program for the removal and replacement of customer-side lead service lines containing lead (LSLs) within and connected to its water distribution system.

A. Utility Inspection and Inventory

In order to implement the LSL replacement program, the Utility may request that the property owner permit an authorized Utility employee or representative reasonable access to the property in order to inspect and determine or confirm the service line's construction material.

B. LSL Replacement in Conjunction with Water Main Replacement

In the event the Utility has planned replacement of the Utility water main, the LSL connected to the Utility's distribution system must be replaced at the same time. At least three months prior to the bidding of the water main project, the Utility shall notify the property owner in writing indicating the nature of the water main replacement project. The LSL replacement must coincide with the Utility's replacement of the Utility's water main.

C. LSL Replacement Without Utility-Side Water Main Replacement

If the Utility identifies that a LSL is leaking, or a dangerous condition exists requiring emergency replacement, the Utility shall notify the property owner that the LSL must be replaced. The property owner must replace the LSL within four (4) weeks of notification.

Financial Assistance for Customer-Side Lead Service Line Replacement

D. LSL Replacement – Financial Assistance Program

The Utility shall make financial assistance available to all property owners who have an LSL. The Utility will make financial assistance available to such property owners in the form of a grant for up to 50 percent of the total costs associated with replacement of an LSL. The grant amount shall not exceed $6,000. The Utility will make financial assistance available for the remaining costs in the form of a loan.

In order to receive financial assistance, a property owner must submit to the Utility an application and written bids from two approved plumbing contractors. A property owner is eligible for financial assistance based on the lowest bid amount unless an extraneous circumstance exists that requires the approval of the Utility.

Upon receipt of the application from the customer, and prior to commencing any replacement work, the Utility shall determine if the property owner is eligible for financial assistance under this tariff. If the property owner is eligible, the Utility shall provide the property owner a determination in writing of the amount of financial assistance available as a grant and the amount of financial assistance available as a loan.

E. Loan Agreement and Process

The Utility will provide financial assistance only after the Utility, property owner, and plumbing contractor enter into a written contract. Financial assistance is contingent upon the LSL being replaced. In no case will the total amount of money provided by the Utility's financial assistance program exceed a property owner's total replacement costs.

Upon completion of the LSL replacement, the property owner shall provide the Utility with a copy of the invoice from the plumbing contractor. Upon proof of completion satisfactory to the property owner and the Utility, the Utility shall pay the contractor(s) directly the amount of money approved by the Utility for financial assistance for replacement of the LSL. The Utility will not unreasonably withhold a determination as to satisfactory completion. The Utility shall provide the property owner with documentation of such payment.

The Utility will commence billing of the loan the month following receipt of proof of completion of the replacement of the LSL and receipt of a written and executed financial assistance agreement.

RATE FILE *(DRAFT)*

Sheet No. 3 of 3
Schedule No. LSL-1
Amendment No. 52

Public Service Commission of Wisconsin

Sheboygan Water Utility

Financial Assistance for Customer-Side Lead Service Line Replacement

F. Loan Agreement Term and Repayment

The term of the loan will include a 72 month repayment period, or shorter period as determined by the property owner, with an interest charge of 0 percent. The loan will be repaid in equal installments billed to the property owner. The Utility shall not forgive the amount loaned to a property owner. Should the property be sold, the loan will become due at that time.

RATE FILE *(DRAFT)*

Sheet No. 1 of 1
Schedule No. LSL-2
Amendment No. 52

Public Service Commission of Wisconsin

Sheboygan Water Utility

Financial Assistance for Replacement of Customer-Side Service Lines Containing Lead and Disconnection

The Utility may disconnect water service in accordance with Schedule X-1 and Wis. Admin. Code § PSC 185.37 when one of the following occurs:

A. Failure to Provide Access to Inventory LSL

If the property owner does not provide the requested reasonable access for inspections to determine or confirm the service line's construction material as described in Schedule LSL-1, the Utility may proceed to disconnect water service following the notification and disconnection procedures set forth in the Utility's tariffs and Wis. Admin. Code § PSC 185.37. Re-connection charges shall apply.

B. Failure to Replace LSL When Required as Part of a Utility Project

If the property owner does not replace the LSL, or any necessary and reasonable agreement with the customer is not in place as described in Schedule LSL-1, the Utility may refuse to reconnect the property owner's water service or may proceed to disconnect water service following the notification and disconnection procedures set forth in Schedule X-1 and Wis. Admin. Code § PSC 185.37. Reconnection charges shall apply.

C. Failure to Replace LSL When Not Required as Part of a Utility Project

If the property owner does not replace the LSL by the date specified by the Utility pursuant to Schedule LSL-1, the Utility may proceed to disconnect water service following the notification and disconnection procedures set forth in Schedule X-1 and Wis. Admin. Code § PSC 185.37. Reconnection charges shall apply.

RATE FILE *(DRAFT)*

Public Service Commission of Wisconsin

Sheboygan Water Utility

Water Utility Operating Rules

Compliance with Rules

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

Establishment of Service

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

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

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

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

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

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

RATE FILE *(DRAFT)*

Public Service Commission of Wisconsin

Sheboygan Water Utility

Water Utility Operating Rules

Reconnection of Service

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

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

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

Temporary Metered Service, Meter, and Deposits

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

Water for Construction

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

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

RATE FILE *(DRAFT)*

Public Service Commission of Wisconsin

Sheboygan Water Utility

Water Utility Operating Rules

Use of Hydrants

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

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

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

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

Refunds of Monetary Deposits

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

Service Laterals

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

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

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 corporation valve outlet to and through the curb stop to the meter will be maintained and kept in repair and, when worn out, replaced at the expense of the property owner.

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 property owner. The property owner is responsible for its repair and maintenance. This includes maintaining, through adjustment, the curb stop box at an appropriate grade level. 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.

RATE FILE *(DRAFT)*

Sheet No. 5 of 10
Schedule No. X-1
Amendment No. 52

Public Service Commission of Wisconsin

Sheboygan Water Utility

Water Utility Operating Rules

Installation of Meters

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

Repairs to Meters

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

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

Service Piping for Meter Settings

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

RATE FILE *(DRAFT)*

Public Service Commission of Wisconsin

Sheboygan Water Utility

Water Utility Operating Rules

Failure to Read Meters

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

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

See Wis. Admin. Code § PSC 185.33.

Complaint Meter Tests

See Wis. Admin. Code § PSC 185.77.

Inspection of Premises

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

See Wis. Stat. § 196.171.

Vacation of Premises

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

Deposits for Residential Service

See Wis. Admin. Code § PSC 185.36.

RATE FILE *(DRAFT)*

Public Service Commission of Wisconsin

Sheboygan Water Utility

Water Utility Operating Rules

Deposits for Nonresidential Service

See Wis. Admin. Code § PSC 185.361.

Deferred Payment Agreement

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

Dispute Procedures

See Wis. Admin. Code § PSC 185.39.

Disconnection and Refusal of Service

See Wis. Admin. Code § PSC 185.37.

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

DISCONNECTION NOTICE

Dear Customer:

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

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

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

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

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

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

RATE FILE *(DRAFT)*

Public Service Commission of Wisconsin

Sheboygan Water Utility

Water Utility Operating Rules

Disconnection and Refusal of Service (continued)

DISCONNECTION NOTICE (continued)

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

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

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

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

This time payment agreement will require:

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

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

(WATER UTILITY NAME)

RATE FILE *(DRAFT)*

Public Service Commission of Wisconsin

Sheboygan Water Utility

Water Utility Operating Rules

Collection of Overdue Bills

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

Surreptitious Use of Water

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

A. The customer will be required to deposit with the water utility an amount sufficient to guarantee the payment of the bills for water utility service.

B. The customer will be required to pay the water utility for any and all damages to water utility equipment resulting from such interference with the metering.

C. The customer must further agree to comply with reasonable requirements to protect the water utility against further losses.

See Wis. Stat. §§ 98.26 and 943.20.

Repairs to Mains

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

See Wis. Admin. Code § PSC 185.87.

Duty of Water Utility with Respect to Safety of the Public

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

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.

RATE FILE *(DRAFT)*

Sheet No. 1 of 1
Schedule No. X-2
Amendment No. 52

Public Service Commission of Wisconsin

Sheboygan Water Utility

Water Main Extension Rule

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

A. Where the cost of the extension is to immediately be collected through assessment by the municipality against the abutting property, the procedure set forth under Wis. Stat. § 66.0703 will apply, and no additional customer contribution to the utility will be required.

B. Where the municipality is unwilling or unable to make a special assessment, the extension will be made on a customer-financed basis as follows:

1. The applicant(s) will advance as a contribution in aid of construction the total amount equivalent to that which would have been assessed for all property under paragraph A.

2. Part of the contribution required in paragraph B.1. will be refundable. When additional customers are connected to the extended main within 10 years of the date of completion, contributions in aid of construction will be collected equal to the amount which would have been assessed under paragraph A. for the abutting property being served. This amount will be refunded to the original contributor(s). In no case will the contributions received from additional customers exceed the proportionate amount which would have been required under paragraph A., nor will it exceed the total assessable cost of the original extension.

C. When a customer connects to a transmission main or connecting loop installed at utility expense within 10 years of the date of completion, there will be a contribution required of an amount equivalent to that which would have been assessed under paragraph A.

RATE FILE *(DRAFT)*

Sheet No. 1 of 1
Schedule No. X-3
Amendment No. 52

Public Service Commission of Wisconsin

Sheboygan Water Utility

Water Main Installations in Platted Subdivisions

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

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

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

RATE FILE *(DRAFT)*

Sheet No. 1 of 1
Schedule No. X-4
Amendment No. 52

Public Service Commission of Wisconsin

Sheboygan Water Utility

Water Customer Supplemental 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.

Charges for Water Wasted Due to Leaks

Pursuant to Wis. Admin. Code § 185.35(6) and the utility's policy, when a leak unknown to the customer is found in an appliance or the plumbing, the utility shall estimate the water wasted due to the leak and bill for this excess usage at a reduced rate not less than the utility's cost. If this provision applies, the utility shall bill the customer for excess usage at the rate of $0.46 per 100 cubic feet. No additional adjustments shall be made for water supplied after the customer has been notified of the leak and has had an opportunity to correct the condition.

Thawing Frozen Service Laterals

See Wis. Admin. Code § PSC 185.88.

Sheboygan Water Utility - Phase II

Customer Water Bill Comparison at Present and Proposed Rates

Customer Type	Meter Size	Volume (100 Cubic Feet)	Quarterly Bills at Phase I Rates	Quarterly Bills at Phase II Rates	Percent Change	Quarterly Including Public Fire Protection Bills at Phase I Rates	Quarterly Including Public Fire Protection Bills at Phase II Rates	Percent Change
Small Residential	3/4"	7	$ 30.68	$ 33.60	9.52%	$ 39.50	$ 43.92	11.19%
Average Residential	3/4"	14	$ 46.36	$ 51.45	10.98%	$ 55.18	$ 61.77	11.94%
Large Residential	3/4"	50	$ 127.00	$ 143.25	12.80%	$ 135.82	$ 153.57	13.07%
Large Residential	3/4"	100	$ 239.00	$ 270.75	13.28%	$ 247.82	$ 281.07	13.42%
Large Residential	3/4"	150	$ 351.00	$ 398.25	13.46%	$ 359.82	$ 408.57	13.55%
Multifamily Residential	2"	375	$ 842.25	$ 956.70	13.59%	$ 911.34	$ 1,039.35	14.05%
Multifamily Residential	2"	400	$ 891.50	$ 1,012.95	13.62%	$ 960.59	$ 1,095.60	14.05%
Multifamily Residential	2"	450	$ 990.00	$ 1,125.45	13.68%	$ 1,059.09	$ 1,208.10	14.07%
Multifamily Residential	2"	575	$ 1,236.25	$ 1,406.70	13.79%	$ 1,305.34	$ 1,489.35	14.10%
Public Authority	6"	680	$ 1,701.10	$ 1,914.00	12.52%	$ 2,142.10	$ 2,430.00	13.44%
Public Authority	4"	560	$ 1,311.70	$ 1,485.00	13.21%	$ 1,530.70	$ 1,743.00	13.87%

Customer Type	Meter Size	Volume (100 Cubic Feet)	Monthly Bills at Phase I Rates	Monthly Bills at Phase II	Percent Change	Monthly Including Public Fire Protection Bills at Phase I Rates	Monthly Including Public Fire Protection Bills at Phase II Rates	Percent Change
Commercial	3"	1,300	$ 2,609.50	$ 2,978.00	14.12%	$ 2,653.50	$ 3,031.00	14.23%
Commercial	3"	1,600	$ 3,200.50	$ 3,653.00	14.14%	$ 3,244.50	$ 3,706.00	14.22%
Commercial	3"	1,650	$ 3,299.00	$ 3,765.50	14.14%	$ 3,343.00	$ 3,818.50	14.22%
Commercial	3"	1,950	$ 3,813.32	$ 4,355.30	14.21%	$ 3,857.32	$ 4,408.30	14.28%
Industrial	3"	13,500	$ 23,448.32	$ 26,877.80	14.63%	$ 23,492.32	$ 26,930.80	14.64%
Industrial	4"	19,000	$ 32,819.32	$ 37,624.80	14.64%	$ 32,892.32	$ 37,710.80	14.65%
Industrial	8"	77,000	$ 131,530.32	$ 150,839.80	14.68%	$ 131,764.32	$ 151,115.80	14.69%
Industrial	8"	79,000	$ 134,930.32	$ 154,739.80	14.68%	$ 135,164.32	$ 155,015.80	14.69%
Public Authority	2"	3,000	$ 5,584.32	$ 6,387.45	14.38%	$ 5,607.35	$ 6,415.00	14.40%
Public Authority	8"	34,435	$ 59,169.82	$ 67,838.05	14.65%	$ 59,403.82	$ 68,114.05	14.66%

Sheboygan Water Utility
Board of Water Commissioners

BID TABULATIONS-1/31/2024

Water Service Line Replacements

Lincoln Avenue and Swift Avenue

SHEBOYGAN WATER UTILITY PROJECT #23035-6

			Alfson Excavating		Essential Sewer and Water		M & E Construction		Korff Plumbing		VanRite Plumbing		Scott Lamers Constuction	
Item	**Bid Item Description**	**Qty.**	**Unit Price**	**Amount**	**Unit Price**	**Amount**	**Unit Price**	**Amount**	**Unit Price**	**Amount**	**Unit Price**	**Amount**	**Unit Price**	**Amount**
1	1" Long water service replacement, water main to curb stop, per EA	45	$4,100	$184,500	$2,750	$123,750	$2,750	$123,750	$3,500	$157,500	$3,600	$162,000	$3,425	$154,125
2	1" Short water service replacement, water main to curb stop, per EA	45	$3,600	$162,000	$2,500	$112,500	$2,750	$123,750	$3,300	$148,500	$3,600	$162,000	$3,325	$149,625
3	Water service replacement, curb stop to house, per EA	92	$1,500	$138,000	$2,500	$230,000	$2,750	$253,000	$2,800	$257,600	$3,120	$287,040	$3,325	$305,900
4	Meter setting rebuild, per EA	104	$400	$41,600	$785	$81,640	$450	$46,800	$550	$57,200	$500	$52,000	$900	$93,600
5	Concrete Service hole restoration, furnish and install, per EA	57	$150	$8,550	$850	$48,450	$1,250	$71,250	$425	$24,225	$500	$28,500	$1,350	$76,950
6	Electrical Grounding, per EA	94	$450	$42,300	$480	$45,120	$550	$51,700	$450	$42,300	$400	$37,600	$650	$61,100
TOTAL CONTRACT PRICE				**$576,950**		**$641,460**		**$670,250**		**$687,325**		**$729,140**		**$841,300**

Sheboygan Water Utility
BOARD OF WATER COMMISSIONERS

BID TABULATIONS-2/13/2024

Water Service Line Replacements

South 11th Street

SHEBOYGAN WATER UTILITY PROJECT #23048-6

			VanRite Plumbing		Essential Sewer and Water		M & E Construction		Korff Plumbing		Scott Lamers Constuction	
Item	**Bid Item Description**	**Qty.**	**Unit Price**	**Amount**	**Unit Price**	**Amount**	**Unit Price**	**Amount**	**Unit Price**	**Amount**	**Unit Price**	**Amount**
1	1" Long water service replacement, water main to curb stop, per EA	33	$3,600	$118,800	$2,650	$87,450	$3,000	$99,000	$3,750	$123,750	$3,075	$101,475
2	1" Short water service replacement, water main to curb stop, per EA	34	$3,600	$122,400	$2,350	$79,900	$3,000	$102,000	$3,300	$112,200	$3,075	$104,550
3	Water service replacement, curb stop to house, per EA	68	$2,100	$142,800	$2,450	$166,600	$2,500	$170,000	$3,300	$224,400	$3,075	$209,100
4	Meter setting rebuild, per EA	78	$400	$31,200	$675	$52,650	$500	$39,000	$550	$42,900	$825	$64,350
5	Concrete Service hole restoration, furnish and install, per EA	67	$485	$32,495	$875	$58,625	$1,000	$67,000	$425	$28,475	$900	$60,300
6	Electrical Grounding, per EA	68	$400	$27,200	$475	$32,300	$500	$34,000	$450	$30,600	$600	$40,800
TOTAL CONTRACT PRICE				**$474,895**		**$477,525**		**$511,000**		**$562,325**		**$580,575**

Sheboygan Water Utility

BOARD OF WATER COMMISSIONERS

To: Joe Trueblood, Utility Superintendent

From: Dave McMillan, Distribution Supervisor

Subject: 2024 GPS Survey Equipment

The Water Utility has budgeted to replace its current GPS Survey unit. Acquiring this unit will benefit the Utility by improving safety, accuracy, and efficiency within the Distribution Department.

- Bluetooth capability- The new unit's data collector and GPS rod use bluetooth for connectivity. This will improve accuracy, safety, and efficiency in the field. During water main projects, as well as Water Utility construction work, the GPS rod will be able to be handed to construction staff in the trench to mark infrastructure. Engineering staff will be able to operate the data collector from the top of the trench and record the data. This is a safer option when working with contractors and will replace methods of gathering measurements from inspection notes when updating databases.

- Upgraded Technology- The upgraded technology allows for a higher level of accuracy in the field. Accurate X and Y coordinates, along with elevations can be gathered all at once. When imported into AutoCAD in the office, it will save the time needed to generate as-builts and update mapping.

- City Engineering- This is the same unit and software being used by our colleagues at City Engineering. It has been proven to be a reliable and long-term investment. By using the same equipment, it allows for additional resources when troubleshooting software, completing updates, and eases the sharing of information between departments.

SEILER GEOSPATIAL

Sales Quotation

Quote Number: 00092615

Contact Name: Glody Onya
E-mail: glodyonya@sheboyganwater.org
Phone: (920) 459-4324
PO number: Glody Onya

Date Issued: 10/30/23
Expiration Date: 11/29/23
Account Number: 130221

Ship To:
Sheboygan Water Utility
72 Park Avenue
Sheboygan, WI 53081
United States

Bill To:
Sheboygan Water Utility
72 Park Avenue
Sheboygan, WI 53081
United States

Quantity	Part Number	Description	List Price	Sale Price	Subtotal
1.00	R12I-101-60-01 	Trimble R12i, Model 60, ROW Includes: 89873-00 Trimble R12 Accessory - Transport Case 90914-60 FRU - Receiver Trimble R12i w/ -60 Radio 84302 ANTENNA, RUBBER DUCKY, 410 TO 470 MHZ 176767r One Receiver battery Li-Ion 80751 RECEIVER TO USB DOWNLOAD 80799 CABLE ASSY, RECEIVER TO USB-A RECEPTACLE 93834-10 QUICK RELEASE ADAPTER R12I-OPT-001-00 Trimble R12i Option - Standard Receiver Firmware Wisdot 2023-2024 contract price	$8,265.00	$7,025.25	$7,025.25
1.00	R12I-CFG-001-40	Trimble R12i Configuration Level - R12i Base and Rover Mode Configuration includes: Base mode, Rover / Network Rover more, GPS Dual Frequency Tracking, GPS Triple Frequency Tracking, SBAS, QZSS, GLONASS, Beidou, Galileo, NavIC (IRNSS), Precision level max/max, Trimble Data Collector support, 20 Hz, Cellular modem activation, Inertial Navigation, xFill Activation, Memory extension to 6GB Wisdot 2023-2024 contract price	$22,605.00	$19,214.25	$19,214.25
1.00	89840-00 	Trimble R10 Accessory - Rechargeable Battery (7.4V, 3700 mAh, 27.3 Wh) 7.4v, 3700 mAh, 27.3 Wh Wisdot 2023-2024 contract price	$215.00	$189.20	$189.20
1.00	101070-00-01	Trimble Geospatial Accessory - Dual Battery Charger with Power Supply and Power Cord (North America) Wisdot 2023-2024 contract price	$665.00	$585.20	$585.20

SEILER GEOSPATIAL

Sales Quotation

Quote Number: 00092615

					
1.00	TA-GENSURV-P	Trimble Access - General Survey; Perpetual License Serial Number: DAD210100284 Wisdot 2023-2024 contract price (to be added to existing Ranger 7)	$3,415.00	$2,902.75	$2,902.75
					
1.00	8143-22-FLY	CASE,CELL PHONE,GPS,SHORT	$25.07	$25.07	$25.07
					

Total Price: $29,941.72

This is not an invoice: Applicable sales tax and/or shipping charges will apply. This product and/or associated accessories may be subject to export controls under United States law and must not be exported or re-exported without prior authorization from either the United States Department of State or Commerce, as applicable.

Scheduled delivery times could be delayed due to vendor supply. Please communicate with your Seiler sales representative to ensure your timeline needs can be met before signing this quotation.

Note:
Discount price based on Wisconsin state contract ID;395002-M18-0510086-000-0
Contract start date was August 1, 2018 valid through 2024 with renewal approval option every year.

Please Contact Us:

Name: Steve Grady

Address: 9755 Airways Court
Franklin
Wisconsin, 53132
United States

Phone: (414) 423-0780

Mobile: (262) 219-2952

E-mail: sgrady@seilerinst.com

SEILER GEOSPATIAL

Sales Quotation

Quote Number: 00092615

Terms: ☐ Net 30 Days ☐ Credit Card ☐ Financing

Net 30 upon approved credit application. Please inquire to sales rep on financing options available.

All credit card transactions will be charged a 3% surcharge.

This Sales Quotation is subject to and governed by the Terms and Conditions of Sale referred to at https://www.seilergeo.com/general-terms-and-conditions/ which are hereby incorporated into this Quotation by reference. Any terms and conditions contained in any purchase order, order confirmation, or other document or communication you send or provide to Seiler which are in addition to or different from those set forth in said Terms and Conditions of Sale found at the above-link which are not separately agreed to by Seiler in writing are hereby considered material, objected to, and shall be null, void, and of no force or effect.

This Sales Quotation is subject to the Seiler Maximum Liability and Indemnification Agreement, version 041421. By signing this Sales Quotation, you are also agreeing to be bound by the terms and conditions of that Agreement.

Your signature below acknowledges acceptance of terms and conditions of this quote. Please sign and return via email or fax.

Signature: _____ **Date:** _____

Name: _____ **Title:** _____

Jaws Lawn and Landscaping
P.O Box 319
Sheboygan Falls, WI. 53085

Phone (920) 627 3788
Email jawslandscaping@gmail.com

2024 Property Services Agreement

Sheboygan Water Utility
72 Park Ave.
Sheboygan, WI. 53081

Requested Quote: Joe Trueblood

Prepared By: Jared Wallner (Owner)

Scope Of Work: *Price $*

*The Prices for lawn mowing are per servicing.

Locations and Description:

EE Tower Reservoir: 4435 Gateway Drive.
Mowing all lawn areas, trimming and blow-off pavement to finish the service. $61.00

Paine Ave. Reservoir: 3400 Paine Ave.
Mowing all lawn areas, trimming and blow-off pavement to finish the service. $52.00

Georgia Ave Pump Station and Reservoir: 2935 Georgia Ave.
Mowing all lawn areas, trimming and blow-off pavement to finish the service. $61.00

Erie Ave. Pump Station and Reservoir: 4024 Erie Ave.
Mowing all lawn areas, trimming and blow-off pavement to finish the service. $52.00

Taylor Hill Reservoir: 927 N. Taylor Dr.
Mowing all lawn areas, trimming and blow-off pavement to finish the service. $58.00

Taylor Location Spring Clean-Up:
Price per hour to clean up all leaves, sticks, and pine cones and disposing of the debris. $60/Hr.

Wilgus Ave. Pump Station: 3169 Wilgus Ave.
Mowing all lawn areas, trimming and blow-off pavement to finish the service. $56.00

Main Plant: 72 Park Ave.
Mowing all lawn areas , unless reservoir areas show slowed growth (then done bi-weekly). $315.00
Also, trimming, and blowing off pavement to finish the service.

N. 36th St Location
Mowing the front lawn areas on both sides of the driveway, trimming and blow-off pavement. $40.00

Main Plant Spring Clean-Up
Per hour clean-up of leaves or debris from plant beds where needed before mulching $60/Hr.

Corn Gluten Lawn Application
Application of 14-50lb. Bags of corn gluten to the front lawn areas, across the road tower area and near the office entrance. This is a one-time application done in early April- $750

Mulching
Delivery and use of up to 20 yards of dyed chocolate brown mulch to freshen the plant beds. $1,630

Service Date: March 13-April 30th, thaw and weather depending.

Weed Control

Checking on the mulch beds for weeds during the regular mowing schedule and maintaining beds by pulling and/or spraying weeds. Also, spraying weeds growing in pavement areas.

Price per labor hour to spray or pull weeds:	$60/hour
Price per gallon of 'Round Up' mixture to spray:	$12

General Maintenance Services

General labor for services including shrubs shearing, pulling weeds, Fall leaf cleanup.	$60/hour
Disposal Costs: Per truck or trailer load of debris-	$30/ load

Agreement Notes:
A 1.5% charge may be added if invoices are not paid by the end of the invoice's following month.
These services are tax expempt. No Sales tax will be charged upon invoicing.
Please circle services you would like performed, or sign below for all above services to apply.
Service dates are subject to change due to weather.
Call the below phone number if there are any additional concerns.

Jaws Signature Jared Wallner 2/12/2024

Client's Approval _____

*Please sign and return a copy by 3/1/24 for the services pricing on this agreement to apply.

Thank you for this opportunity to quote these properties.