ATTACHMENTS

City of Sheboygan
spirit on the lake Water Utility

REPORT OF BILLING

APRIL 2021

		2021	2020	Increase or (Decrease)
Quarterly Metered*				
(Dist II - between Union and Superior Ave.)	Residential	185,584.09	164,165.97	21,418.12
	Multi-Family	26,206.67	25,002.37	1,204.30
	Commercial	55,752.82	52,755.59	2,997.23
	Industrial	5,480.63	5,445.08	35.55
	Public	8,518.56	7,920.00	598.56
	Subtotal	**281,542.77**	**255,289.01**	**26,253.76**
Public Fire Protection		68,078.75	67,461.65	617.10
Monthly Metered		336,498.93	200,433.16	136,065.77
Sheboygan Net		**686,120.45**	**523,183.82**	**162,936.63**
Sheboygan Falls		52,034.75	43,252.40	8,782.35
Kohler		27,984.10	22,341.96	5,642.14
Total		**766,139.30**	**588,778.18**	**177,361.12**

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

Total accumulative billing for 2021 is $2,969,591.82. An increase of $375,181.33 from 2020 accounted for as follows:

	2021 Total Year to Date
Sheboygan	333,984.60
Sheboygan Falls	26,829.75
Kohler	14,366.98
	375,181.33

Total bills mailed April, 2021: 6,390

Residential	5,305		
Multi-Family	115	Multi-Family	6
Commercial	777	Commercial	21
Industrial	37	Industrial	65
Public	55	Public	9
Quarterly	**6,289**	**Monthly**	**101**

City of Sheboygan
spirit on the lake Water Utility

RETURN ON RATE BASE

April 30, 2021

	APRIL 2021	APRIL 2020
Add 2 YR Average		
Utility Plant Balance	$ 66,702,360	$ 64,170,633
Materials and Supplies Inventory	$ 273,173	$ 286,231
Less 2 YR Average		
Reserve for Depreciation	$ 22,682,690	$ 21,183,107
Customer Adv for Const	$ -	$ -
Average Rate Base	$ 44,292,842	$ 43,273,757
Net Operating Income YTD	$ 83,273	$ 230,656
Net Operating Income As a Percent of Average Net Rate Base	**0.19%**	**0.53%**

Rate base is calculated using the two year average balance in the following accounts:
Utility Plant Balance - includes all capital assets less any contributed capital assets.
Materials and Supplies Inventory - includes all materials and supplies on hand and in inventory.
Reserve for Depreciation - includes depreciation on capital assets less any contributed capital assets.

City of Sheboygan
spirit on the lake Water Utility

CASH RESERVE

April 30, 2021

Ending balance on report for March 31, 2021		9,727,717.18
Plus:	Receipts	416,105.05
	Misc Receipts (includes stop loss reimbursements)	162,881.83
	Direct Pay Receipts	299,918.77
	Stop Loss Reimbursements	576,401.44
	Money Market/CDARs Investment Interest	491.42
	Online Payments in Transit	(0.02)
Minus:		
	Disbursements - vendors and payroll	(851,947.00)
	Bank Service Fees Credit	(826.72)
	Health & Dental Claims/Adm Costs	(568,129.93)
	NSF Checks & Customer Refunds	(275.21)
	PSN Deposit Fees	(3,776.12)
	Reallocate Sewer/Garbage - payments	428.64
	Reallocate Sewer/Garbage - monthly	(1,217.34)
	Bond Principal & Interest Payments	(1,201,687.12)
	Payroll WRS & SC in Transit Current Month	22,131.18
	Payroll WRS & SC in Transit Prior Month	22,131.26
	Automated Credit Card Payments	(812.11)
	Postage	(5,000.00)
	Utility Water Payments	(5,461.97)
Ending Balance	**April 30, 2021**	**$ 8,589,073.23**

Note: The above amount includes:

Bond Reserve Fund	688,823.56
CD Investment Account - Matured 3/4/21 transferred to MM	-
Money Market Investment	3,977,605.05
Health Insurance Restricted Reserve	380,000.00
BAN Funds for Construction	2,019,245.28
Total	**$ 7,065,673.89**

General Unrestricted Operating Cash 1,523,399.34

City of Sheboygan
spirit on the lake Water Utility

STATEMENT OF NET POSITION

APRIL 30, 2021 AND 2020

Assets and Other Debits Utility Plant	Year to Date 2021	Year to Date 2020
Utility Plant	76,375,679	72,903,155
Depreciation- Utility Plant	25,303,670	23,612,004
Net Utility Plant	$ 51,072,009	$ 49,291,152
Other Property and Investments		
Appropriated Funds	2,019,245	-
Bond Redemption Fund	688,824	706,627
Net Pension Asset[1]	411,147	-
Deferred Outflow - Pension & OPEB [1]	1,038,866	1,262,190
Total Other Prop & Investment	$ 4,158,082	$ 1,968,817
Current and Accrued Assets		
Cash & Investments	5,881,754	8,650,008
Accounts Receivable	1,337,883	1,211,438
LSL Loan Receivable[3]	77,931	-
Grant Receivable - Restricted[2]	0	22,347
Materials & Supplies Inventory	269,704	276,641
Prepaid Expenses	40,522	24,966
Total Current & Accrued Assets	$ 7,607,795	$ 10,185,400
Total Assets and Debits	**$ 62,837,886**	**$ 61,445,369**

Liabilities and Other Credits	Year to Date 2021	Year to Date 2020
Proprietary Capital		
Capital Paid by Municipal	1,640,701	1,640,701
Unapprop. Earned Surplus	45,114,017	44,831,007
Total Proprietary Capital	$ 46,754,718	$ 46,471,708
Bonds, Loans & Advances	12,624,174	11,589,426
Total Long Term Debt	$ 12,624,174	$ 11,589,426
Current & Accrued Liabilities		
Accounts Payable	481	1,000
Accrued Liabilities	1,022,941	1,133,595
Total Current & Accrued Liab.	$ 1,023,422	$ 1,134,595
Deferred Credits		
Bond Premium	209,006	253,615
Pre 2003 Depr on Contributed Assets	63,442	92,111
Other Deferred Credits[3]	0	0
	$ 272,448	$ 345,726
Operating Reserves		
Net Pension & OPEB Liability[1]	324,886	275,425
Deferred Inflow - Pension & OPEB [1]	1,260,697	1,103,698
Accrued Vac & Sick Leave	577,540	524,790
Total Operating Reserve	$ 2,163,123	$ 1,903,913
Total Liab & Other Credits	**$ 62,837,886**	**$ 61,445,369**

[1] See full audited Financial Statements for disclosures and details regarding pensions and OPEB.

[2] Grants Receivable - Restricted pertains to the Lead Water Service Lateral Replacement Program funded by the DNR.

[3] Receivable related to the new SWU LSL loan program.

City of Sheboygan
spirit on the lake Water Utility

STATEMENT OF REVENUE, EXPENSES AND CHANGES IN NET POSITION

APRIL 30, 2021 AND 2020

	2021 MONTH	2021 YTD	2020 MONTH	2020 YTD	Incr (Decr) YTD	% Incr/Decr YTD
Sales Revenue[1]	$ 796,484	$ 2,648,342	$ 613,973	$ 2,302,148	$ 346,194	15.04%
Other Water Revenue[2]	$ 5,037	$ 16,135	$ 27,791	$ 38,935	$ (22,800)	-58.56%
Total Operating Revenues	$ 801,521	$ 2,664,477	$ 641,764	$ 2,341,083	$ 323,394	13.81%
Operating Expenses[3]	349,103	1,354,684	303,926	1,012,353	342,330	33.82%
Maintenance Expenses[4]	110,260	292,631	43,445	196,256	96,375	49.11%
Depreciation Expenses	129,966	537,854	126,543	523,319	14,535	2.78%
Taxes	112,839	396,035	102,774	378,500	17,535	4.63%
Total Operating Expenses	$ 702,168	$ 2,581,203	$ 576,687	$ 2,110,427	$ 470,775	22.31%
Utility Operating Income	$ 99,353	$ 83,274	$ 65,077	$ 230,656	$ (147,382)	-63.90%
Other Income & Expense						
Non-operating Grant Revenue	-	-	7,950	17,950	(17,950)	
Non-Operating Grant Expenses	-	-	(7,950)	(17,950)	17,950	
Bond Premium	2,989	11,956	2,739	10,957	999	
Interest Earned on Investments	491	6,550	3,399	17,977	(11,426)	
Contributions	-	-	-	-	-	
Other Expense	-	-	-	-	-	
Misc Amortization	2,094	8,378	2,094	8,378	-	
Bond Interest Expense	(27,359)	(109,527)	(26,214)	(105,455)	(4,071)	
Change in Net Position	**$ 77,568**	**$ 631**	**$ 47,095**	**$ 162,512**	**$ (161,880)**	

[1] The increase in Sales Revenue is due to a rate increase that was implemented October 1, 2020.

[2] The decrease in Other Revenues is due to a settlement received in 2020 for the purchase of liquid alum.

[3] The increase in Operating Expense is due to an increase in medical claims in early 2021, and operations work postponed from 2020 due to Covid, including water treatment, purchase of equipment in distribution, resuming the cross connection program, as well as consulting fees for health insurance and IT security.

[4] The increase in maintenance expense is due to an increase in maintenance projects postponed from 2020 due to Covid, including pumping structures, reservoir maintenance, and meters maintenance.

City of Sheboygan Water Utility
spirit on the lake

APPROVAL OF VOUCHERS

April 30, 2021

Total Of The General Vouchers	$	620,321.51
Gross Payroll *	$	245,868.71
Net Payroll *	$	149,226.17

* 3 pay periods in April

BOARD OF WATER COMMISSIONERS

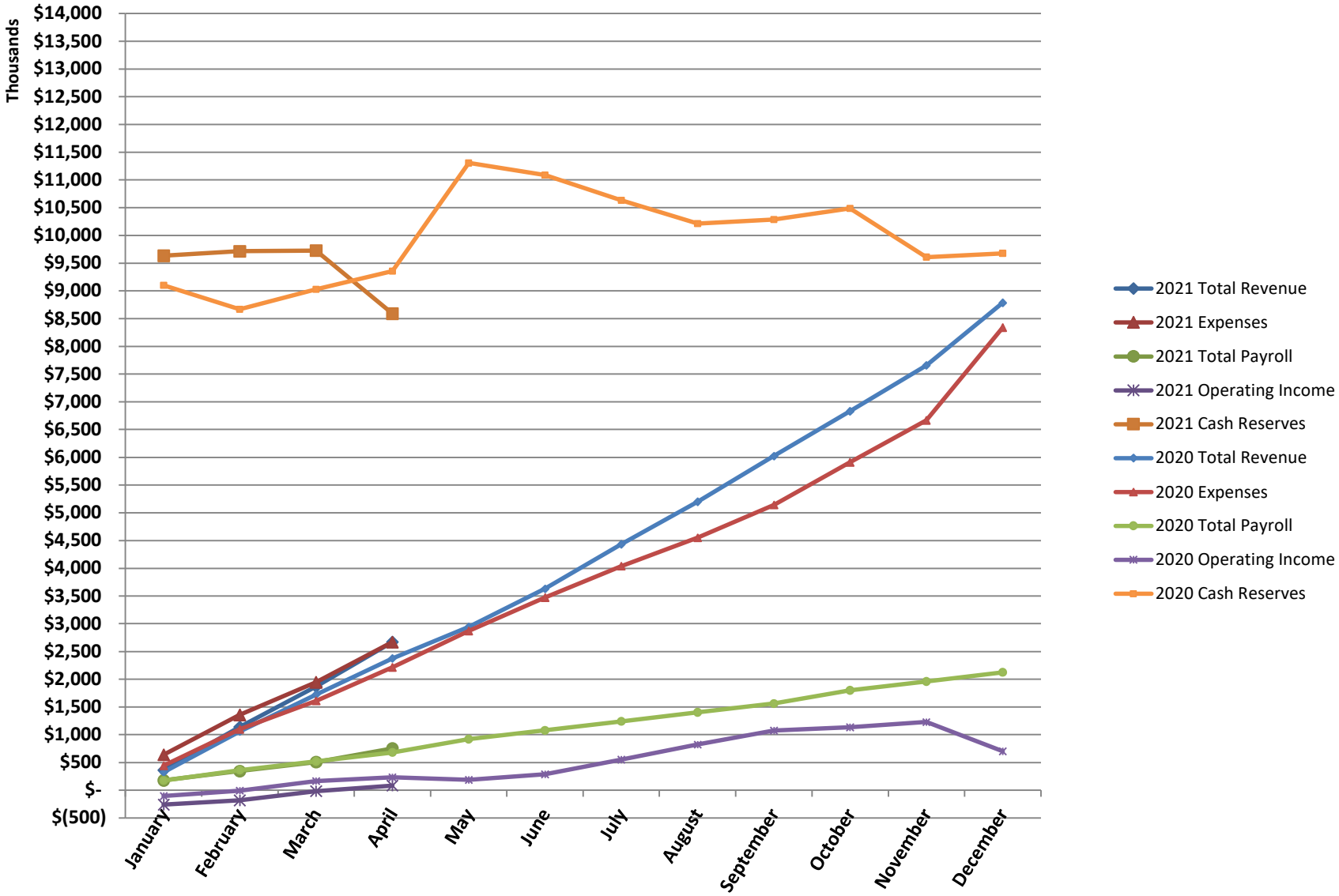
PRESIDENT

SECRETARY

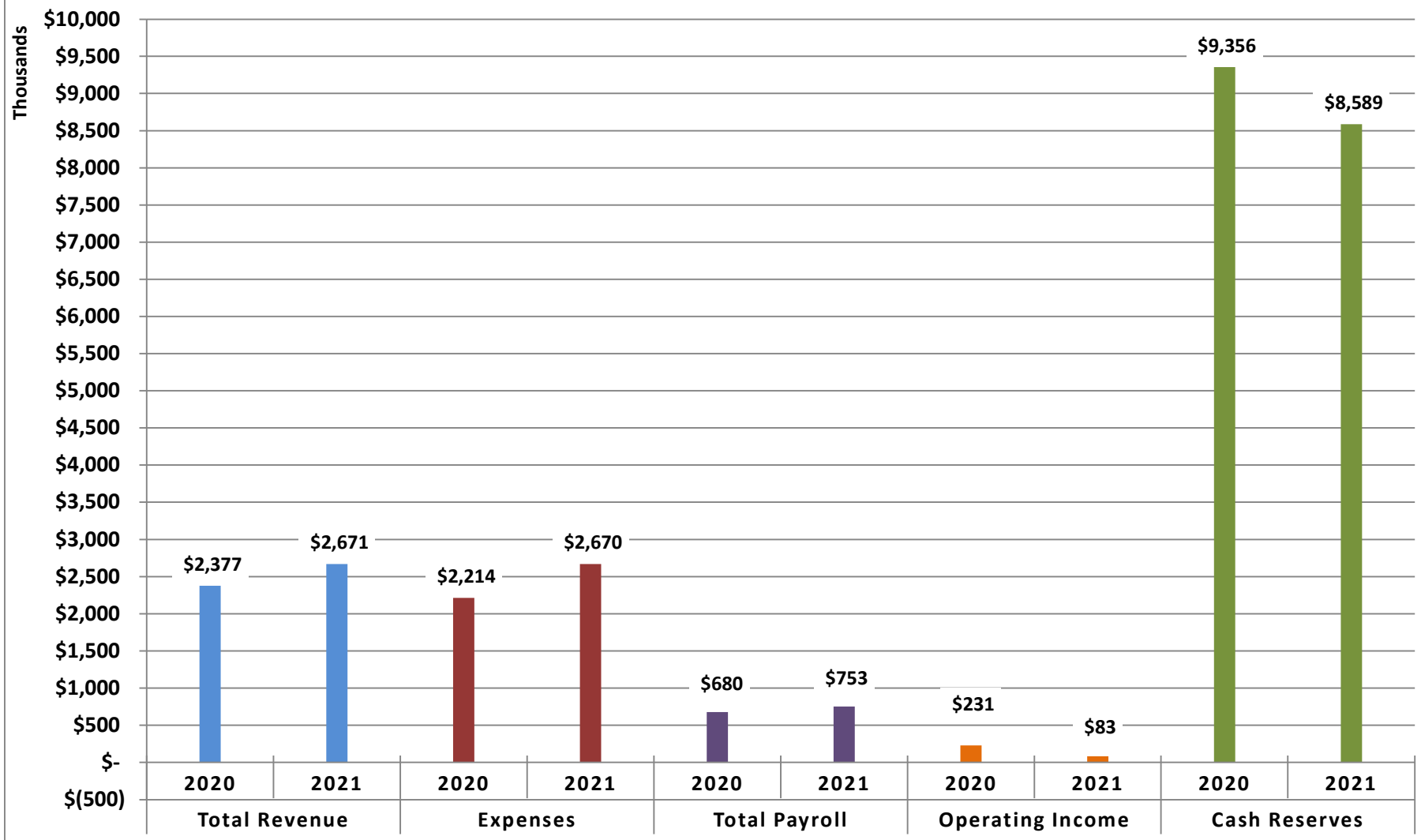
MEMBER

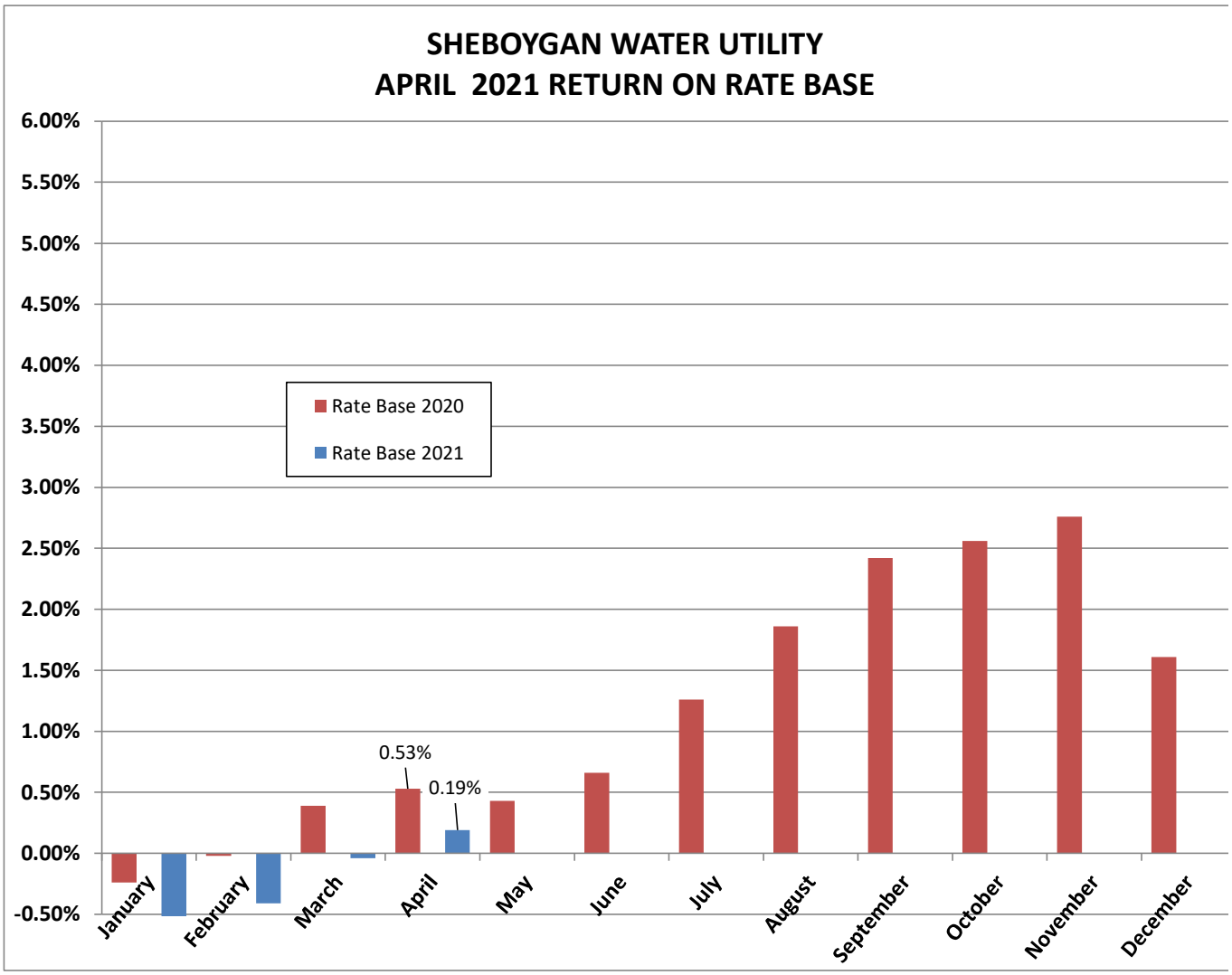
SUPERINTENDENT

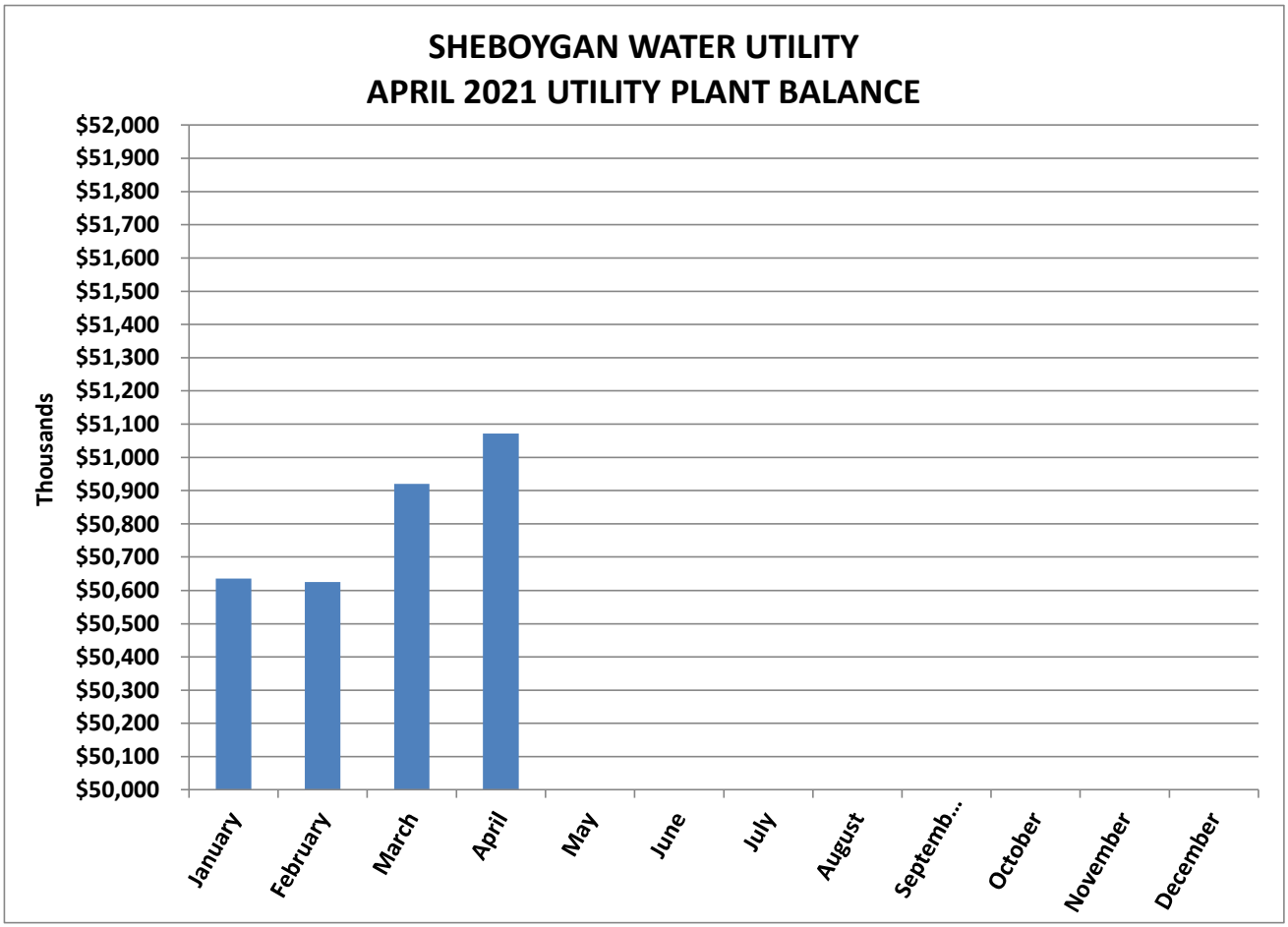
SHEBOYGAN WATER UTILITY
APRIL 2021 MONTHLY FINANCIAL TREND



SHEBOYGAN WATER UTILITY
APRIL 2021 YTD FINANCIAL POSITION




SHEBOYGAN WATER UTILITY
APRIL 2021 RETURN ON RATE BASE
6.00%
5.50%
5.00%
4.50%
4.00%
3.50%
3.00%
2.50%
2.00%
1.50%
1.00%
0.50%
0.00%
-0.50%
Rate Base 2020
Rate Base 2021
0.53%
0.19%
January
February
March
April
May
June
July
August
September
October
November
December


SHEBOYGAN WATER UTILITY
APRIL 2021 UTILITY PLANT BALANCE
Thousands
$52,000
$51,900
$51,800
$51,700
$51,600
$51,500
$51,400
$51,300
$51,200
$51,100
$51,000
$50,900
$50,800
$50,700
$50,600
$50,500
$50,400
$50,300
$50,200
$50,100
$50,000
January
February
March
April
May
June
July
August
Septemb...
October
November
December

April 2021

OPERATIONS' DEPARTMENT MONTHLY REPORT

	HIGH LIFT		LOW LIFT		2021 VS 2020
PUMPAGE	**2020**	**2021**	**2020**	**2021**	HL
Total in MG	243.954	344.733	245.025	348.902	41.31%
Daily Average (MG)	8.132	11.513	8.168	11.630	
Max. Day (MG)	9.466	13.803	9.449	14.249	2020 VS 2019
					HL
Gal/KwH	1,213	1,194	5,827	4,896	-4.10%

ELECTRICAL COSTS					
	2020		**2021**		
A. Pumping:	**KwH**	**$**	**KwH**	**$**	
High Lift	201,072	$16,085.34	287,780	$19,276.26	
Low Lift	42,047	$3,363.67	71,268	$4,773.72	
Wash Pump 1	2,100	$168.00	2,100	$140.66	
Georgia St. Bstr.	20,700	$2,825.74	51,300	$4,349.35	
Wilgus Ave. Bstr.	3,200	$390.83	2,800	$332.49	
EE Pit / Bstr.	6,778	$781.78	5,451	$608.63	
Erie Ave. Bstr.	15,200	$2,110.85	0	$0.00	$/KwH
Sub Total	291,097	**$25,726.21**	420,699	**$29,481.11**	-20.7%
B. Treat./Fiscal/Misc.	**KwH**	**$**	**KwH**	**$**	
Office & Maint. Bldg.	6,140	$719.80	6,060	$501.65	
Filter Plant / Pump Station / 2nd Service	52,181	$4,783.73	49,852	$4,840.58	
					$/KwH
Sub Total	58,321	**$5,503.53**	55,912	**$5,342.23**	1.3%
C. Distribution:	**KwH**	**$**	**KwH**	**$**	
Taylor Hill Tank	2,010	$248.33	1,638	$192.82	
Kohler Meter Pit	0	$0.00	0	$0.00	
EE Tower	1,705	$213.27	719	$93.03	
Washington (PRV) Pit	827	$118.34	806	$109.00	
Sub Total	4,542	**$579.94**	3,163	**$394.85**	$/KwH
Total Electrical Costs	**353,960**	**$31,809.68**	**479,774**	**$35,218.19**	-18.3%
Electrical Cost / MG		$130.39		$101.97	

	2020		**2021**		
NATURAL GAS COSTS	CCF Used	Cost	CCF Used	Cost	
Production Facility	1,926	$878.31			
South Basin	2,329	$1,125.47	2,196	$1,704.85	
Georgia St. Bstr.	110	$82.46			
Erie Ave. Bstr.	266	$158.09	111	$115.95	
Wilgus Ave. Bstr.	30	$30.84			
Office & Maint. Bldg.	918	$434.95	879	$671.51	$/CCF
Total Natural Gas Costs	5,579	**$2,710.12**	3,186	**$2,492.31**	61.0%
Natural Gas Cost / MG		$11.11		$7.22	

	2020		**2021**		
CHEMICAL COSTS	Lbs. Used	Cost	Lbs. Used	Cost	
Alum	36,209	$5,123.57	55,540	$7,858.91	0.0%
Carbon	0	$0.00	0	$0.00	#DIV/0!
Chlorine	5,061	$4,139.90	6,054	$4,177.26	-15.6%
Fluoride	1,375	$1,210.00	1,572	$1,708.76	23.5%
KMnO4	0	$0.00	0	$0.00	#DIV/0!
Cationic Polymer	1,732	$2,685.22	1,431	$2,218.36	0.0%
Liquid Phosphate	1,689	$2,145.03	1,572	$2,078.18	4.1%
Total Chemical Costs		**$15,303.72**		**$18,041.48**	17.9%
Chemical Cost / MG		$62.73		$52.24	

Grand Total	**$49,823.52**	**$55,751.98**	11.90%
Total Cost / MG	**$204.23**	**$161.42**	-20.96%

YTD HL 2021 vs 2020	7.25%	YTD HL HIGH DAY PUMPAGE	13.954	March 25, 2021
YTD HL 2021 vs 2019	-4.85%	YTD HL LOW DAY PUMPAGE	7.251	January 1, 2021

NOTE:

April 2021 is a 41.31% increase in demand when compared to April 2020. Pandemic heavily affected water demands in April 2020-June 2020.

	YTD HL Ave Day
2021	11.692
2020	10.795
2019	12.284

COMPARATIVE SUMMARY OF PLANT OPERATIONS

April 2020 vs **April 2021**

Pumping Record	High Lift				Low Lift		
	2020	**2021**	Diff.		**2020**	**2021**	Diff.
Tot. Water in MG	243.954	344.733	41.31%	Tot. Water in MG	245.025	348.902	42.39%
Daily Average	8.132	11.513	41.58%	Daily Average	8.168	11.630	42.38%
Maximum Day	9.466	13.803	45.82%	Maximum Day	9.449	14.249	50.80%
Minimum Day	6.542	8.342	27.51%	Minimum Day	6.446	8.332	29.26%
By Natural Gas	0.000	1.728	#DIV/0!	By Natural Gas	0.000	0.000	#DIV/0!
Power in KWH	201,072	287,780	43.12%	Power in KWH	42,047	71,268	69.50%
Gals. per KWH	1,213	1,194	-1.55%	Gals. per KWH	5,827	4,896	-15.99%
Power $ / KWH	$0.08000	$0.06698	-16.27%	Power $ / KWH	----	----	----
Power $ / MG	$65.94	$55.81	($10.13)	Power $ / MG	$13.73	$13.68	($0.05)
Tot. Power $/MG	$132.75	$102.33	($30.42)	Tot. Power $/MG	----	----	----

Treatment Chem.	Lbs. Used			Cost			
Total Lbs.	**2020**	**2021**	Diff.	Total Cost	**2020**	**2021**	Diff.
Alum	36,209	55,540	53.39%	Alum	$5,123.57	$7,858.91	$2,735.34
Carbon			#DIV/0!	Carbon	$0.00	$0.00	$0.00
Chlorine	5,061	6,054	19.62%	Chlorine	$4,139.90	$4,177.26	$37.36
KMnO4	0	0	#DIV/0!	KMnO4	$0.00	$0.00	$0.00
Polymer	1,732	1,431	-17.37%	Polymer	$2,685.22	$2,218.36	($466.86)
Liquid Phosphate	1,689	1,572	-6.93%	Liquid Phosphate	$2,145.03	$2,078.18	($66.85)
Lb/ MG:				Cost / MG:			
Alum	147.8	159.2	7.72%	Alum	$20.91	$22.52	$1.61
Carbon	0.0	0.0	#DIV/0!	Carbon	#DIV/0!	#DIV/0!	#DIV/0!
Chlorine	20.7	17.4	-15.99%	Chlorine	$16.90	$11.97	($4.92)
KMnO4	0.0	0.0	#DIV/0!	KMnO4	#DIV/0!	#DIV/0!	#DIV/0!
Liquid Phosphate	6.9	4.5	-34.64%	Liquid Phosphate	$8.75	$5.96	($2.80)

Fluoride:	**2020**	**2021**	
Total Lbs.	1,375	1,572	14.33%
mg/l applied as F	0.70	0.71	
Av. Res. Plt. Tap	0.64	0.70	

Fluoride:	**2020**	**2021**	
Cost	$1,210.00	$1,708.76	$498.76
Cost/MG	$4.97	$4.96	($0.01)

Water Quality:	Raw		TAP	
	2020	**2021**	**2020**	**2021**
Turbidity	6.20	6.40	0.035	0.028
pH	8.38	8.32	7.70	7.64
Alkalinity	119.0	114.2	110.0	103.4
MF (E-Coli)	0.0	0.0	0.00	0.00
Temperature	41.2	42.3	0	0
Wash-H20 % /LL	2.33	2.30	42.4	43.8
Av. Flt. Run/hrs	152.7	124.0	0.84	0.83
Av. ROF / MG	1.21	1.33		

Natural Gas:						
	2020	**2021**		**2020**	**2021**	Diff.
Nat. Gas Heating	3,506	1,983	Plant & South Basin	$1,662.22	#DIV/0!	#DIV/0!
Nat. Gas Pumping	749	213		$341.57	#DIV/0!	#DIV/0!

	CCF	Cost	**Natural Gas Cost**	**Natural Gas CCF**
#3 Gas Pump	148.8	#DIV/0!	**$1,704.85**	**2,196**
#4 Gas Pump	0.0	#DIV/0!		
#7 Gas Pump	0.0	#DIV/0!		
Electric Generator	64.0	#DIV/0!		
Pumping totals	**212.8**	**#DIV/0!**		

April 2021

% Run		5/1/2021	4/1/2021	
	Elapsed Time:			
50.8%	No. 6 Pump	60,985.1	60,619.0	366.1
2.87%	Wash Pump Meter	5,145.76	5,125.10	20.66
0.0%	No. 7 Pump	704.9	704.9	0.0
1.8%	No. 8 Pump	59,488.0	59,475.3	12.7
98.3%	No. 9 Pump	10,252.0	9,544.0	708.0
0.6%	Wash Pump 2	731	727	4
	No. 1 Prime Pump	1,028.8	1,028.0	0.8
	No. 2 Prime Pump	1,092.4	1,091.1	1.3
Kw/Hr run	**Watthour Meters:**			
101.6	Wash Pump 1	1207.1	1204.1	2,100
59.9	No. 9 Pump	4947.76	4905.33	42,428
176.4	No. 8 Pump	6814.4	6808.0	2,240
72.7	No. 6 Pump	8934.3	8839.3	26,600
132.1	Wash Pump 2	75.249	74.8087	528
#DIV/0!	No. 1 Pump	7836.406	7836.406	0
240.5	No. 2 Pump	4596.679	4579.970	16,709
293.6	No. 3 Pump	8867.584	8776.867	90,717
#DIV/0!	No. 4 Pump			0
479.7	No. 5 Pump	7,833.083	7,652.729	180,354
	Garage (MWatt/Hrs.)	1,030.25	1,028.42	1,830
	Power Co. (Step #3) Left Meter - OUTSIDE	31,301	30,954	416,400
	Volume Used:			
	Nat. Gas (Correct)	43,231,590	43,156,919	93,861
	Elapsed Time:			
	Emer. Generator	944.9	941.7	3.2
% Run	**Elapsed Time:**			
0.0%	No. 1 Pump	14,533.4	14,533.4	0.0
9.7%	No. 2 Pump	19,630.49	19,561.01	69.48
42.9%	No. 3 Elec. Pump	30,864.1	30,555.1	309.0
0.7%	No. 3 Nat. Gas Pump	492.7	487.9	4.8
0.0%	No. 4 Elec. Pump	0.00	0.00	0.0
0.0%	No. 4 Nat. Gas Pump	1,645.2	1,645.2	0.0
52.2%	No. 5. Pump	16,393.520	16,017.520	376.000
0.0%	UV Building Generator	90.3	90.3	0

	5/1/2021	4/1/2021	
SLUDGE No. I Hour Meter	0.0	0.0	288,600
SYSTEM No. 2 Mag Meter	162,980	0	162,980
Recycle Meter (Reset to zero each month)			451,580

Power Cost	$0.0669826	Bill >>>>	$28,132.70
	0.211048148	KWH >>>	420,000
Init. Chg.	$27,891.56		

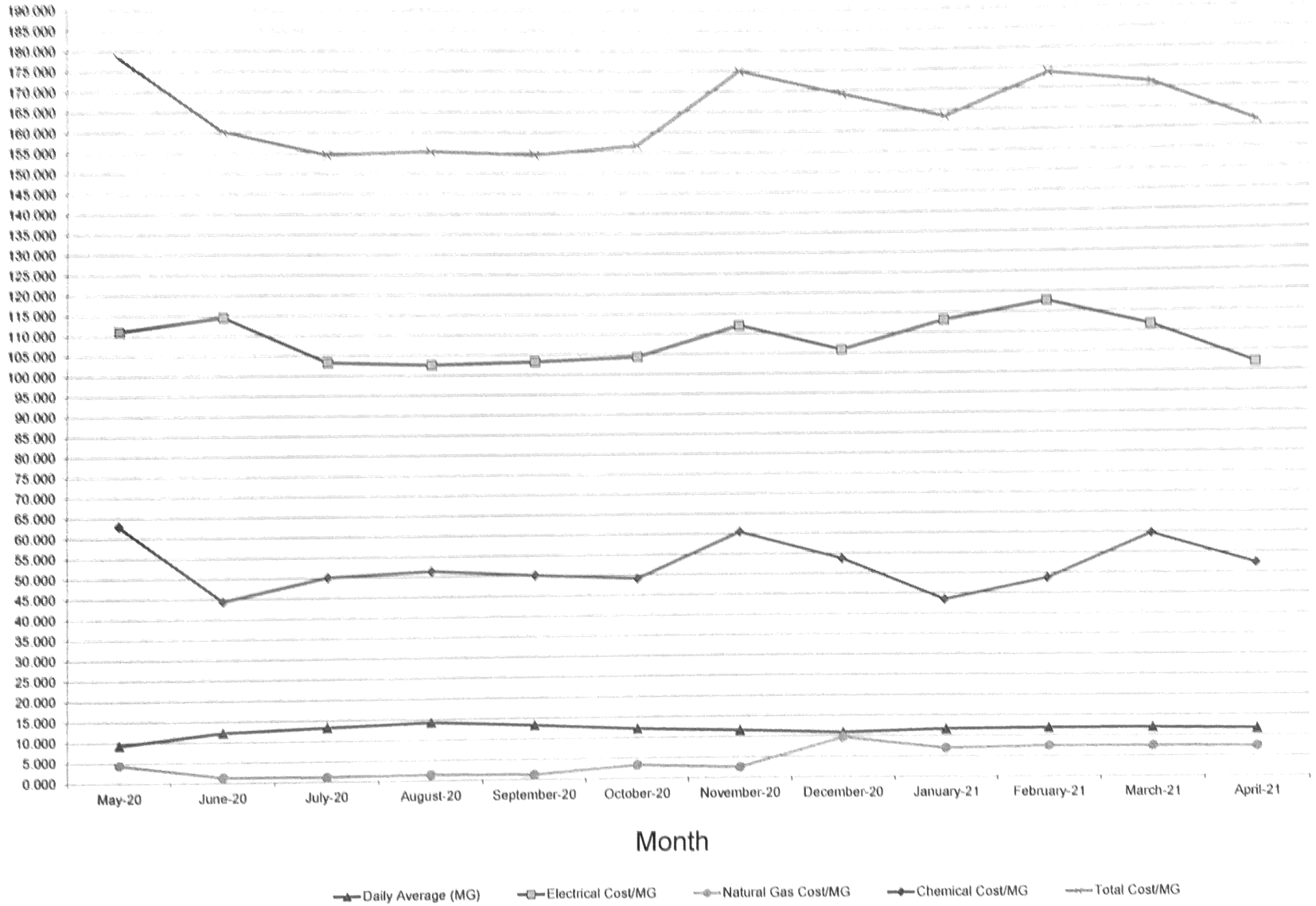
	$	KWH
Kohler Pit		
Horizon	$124.14	978
Taylor	$192.82	1,638
ALT. 72 Park	$1,139.66	5,400
Geo. Ave.	$4,349.35	51,300
Wilgus Ave.	$332.49	2,800
EE Pit	$608.63	5,451
EE Tower	$93.03	719
Washington	$109.00	806
Office	$501.65	6,060
Erie Ave.		
Total	$35,342.33	491,552

Low L. KWH	71,268
L.L. Cost $	$4,773.72
High L. KWH	287,780
H.L. Cost $	$19,276.26
Total Cost	$24,049.98
Plant Costs	$4,840.58

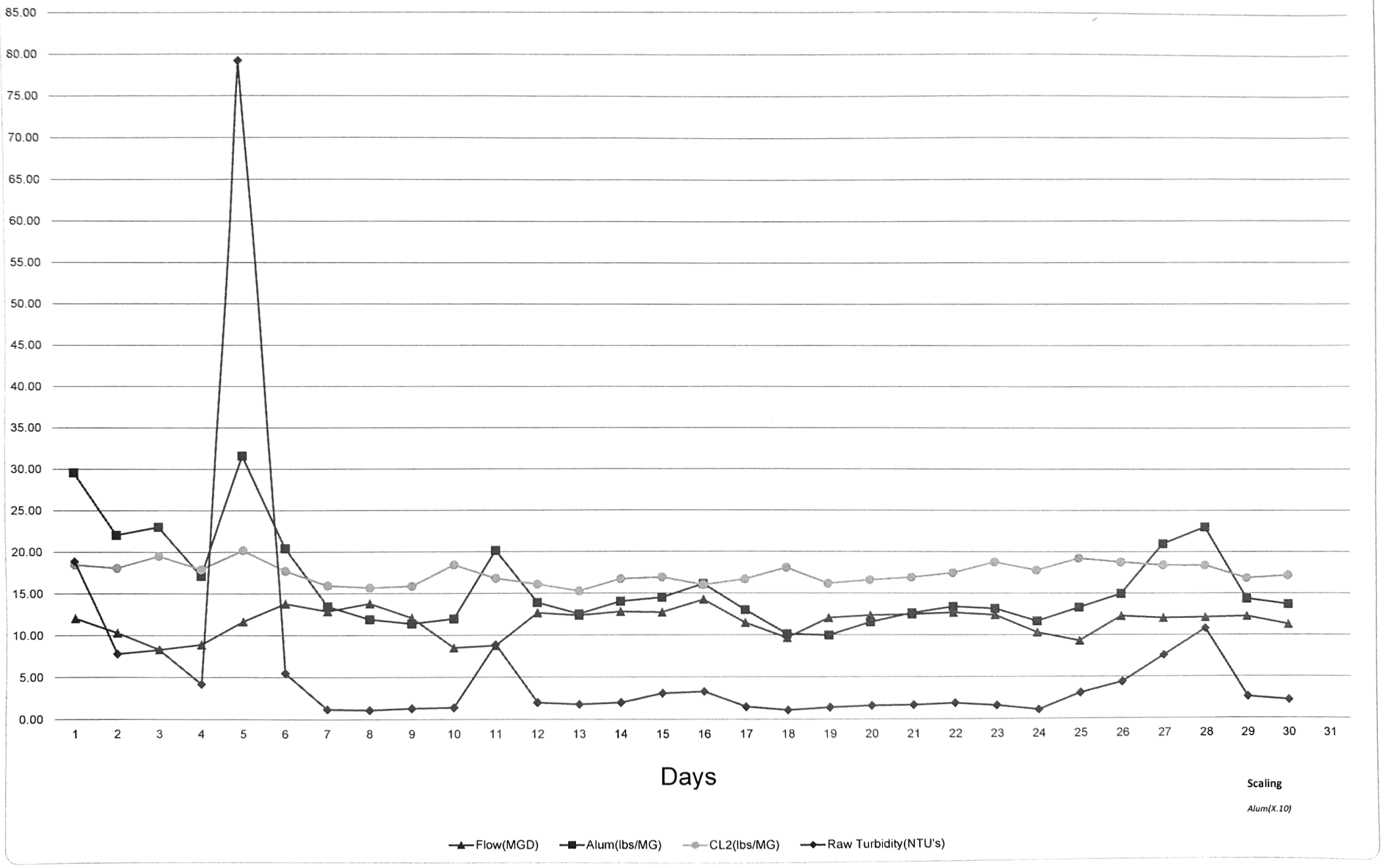
SUMMARY

	HIGH LIFT		LOW LIFT	
	2020	2021	2020	2021
Tot. Pump	243.954	345.389	245.025	348.902
Daily Ave.	8.132	11.513	8.168	11.630
Max. Day	9.466	13.803	9.449	14.249
Min. Day	6.542	8.342	6.446	8.332
By Nat. Gas	0.000	1.728	0.000	0.000
Power KWH	201,072	287,780	42,047	71,268
Gals/KWH	1213	1194	5827	4896
Cost/KWH	$0.08000	$0.06698	*******	******
Cost/MG	$65.94	$55.81	$13.73	$13.68
Tot. Cost/MG	$132.75	$102.33	*******	*******

Plant Operations: Expense Report



April 2021: Sheboygan Water Utility Plant Operations Summary



Filter Plant Maintenance Completed For April 2021

Subject	StartDate	EndDate	Description
Rapid Mix Grating Area	1-Apr-21		Clean rapid mix grating area and South basin bathroom floor.
Carbon Room	1-Apr-21		Organize relevant materials and discard obsolete items.
Menards	1-Apr-21		Cleaning items, ½" components, and new air compressor.
GOOD FRIDAY	2-Apr-21		GOOD FRIDAY
Carbon Room	5-Apr-21		Sweep floors and finish organizing.
Pipe Gallery	5-Apr-21		Install new light bulbs and continue cleaning.
Filter Plant	5-Apr-21		Continue cleaning filter plant.
Paint Railing	5-Apr-21		Apply first coat of yellow epoxy to filter 11 rail.
Honold and Trillings	5-Apr-21		Purchase light covers, check on tap/die set, and purchase misc.
Wilgus Ave.	5-Apr-21		Inspect grounds, check pump house, etc.
Taylor Hill	5-Apr-21		Check grounds, fill reagents, and inspect vault.
Jar Tester	6-Apr-21		Clean hall jar tester and apply rust protection on valve handles.
Motion Industries	6-Apr-21		Pickup pillow blocks for west basin floc repair.
Georgia Ave.	6-Apr-21		Begin pulling new 18/4 data line for electric valve actuator.
South Basin Plumbing	7-Apr-21		Switch over backwash basin valves and sludge pumps.
South Basin Sludge	7-Apr-21		Drain basin, shutoff chemical pumps, lockout/tagout flocs, etc.
South Basin	7-Apr-21		Wash down South basin and inspect paddle/auger assemblies.
UVT%	8-Apr-21		Set UVT% below 98.5; anything over 98.5% causes bulbs to ramp using unnecessary chemicals and electricity.
Maintenance Shop and Tools	8-Apr-21		Clean maintenance shop, tools, ladder, roper, buckets, etc. used in South basin service.
South Basin Bearings	8-Apr-21		Replace second floc train, furthest east bearing set, remove unwanted coupling, and pull bearing cap on second trains, 3rd set.
South Basin	8-Apr-21		Inspect bearings, lube grease fittings, and torque bolts.
Maintenance Shop	9-Apr-21		Clean shop put tools away, and place misc. items in carbon room.
Georgia Ave.	9-Apr-21		Complete SCADA wiring for new actuator in doghouse.
Acme Armature	9-Apr-21		Check/inspect motor for Erie pump station.
Filter Plant Garbage	9-Apr-21		Place garbage and recyclables in proper receptacles.
East Basin	9-Apr-21		Begin decanting East basin.
Pump 6	12-Apr-21		Remove and repair pump 6 vent canister.
Monday Meeting	12-Apr-21		Topics include Erie pump, basin cleaning, vacation, coverage, UV vent, pump 6 vacuum vent, etc.
UV Vent	12-Apr-21		Remove UV vent canister plumbing break; ez out broken ½" fitting.
Menards	13-Apr-21		½" and ¾" stainless, PVC, and galvanized plumbing, hose fittings, carbon monoxide detectors, etc.
Basin Setup	13-Apr-21		Continue setting up basin for service.
UV Vent Canister	13-Apr-21		Finish installing plumbing to UV vent canister.
Painted railing	13-Apr-21		Painted 2nd coat on safety railing for filter 11
New printer install	14-Apr-21		Installed new printer in maintenance office
#11 sample pump	14-Apr-21		New sample pump installed on #11 filter
#11 new hose and piping	14-Apr-21		New sample lines and piping ran for #11 filter sample pump
Restoring old sample pump	14-Apr-21		Cleaning and restoring old sample pump for back-up
East basin cleaning setup	14-Apr-21		Samples and numbers for pumping and startup procedures for basin cleaning
East basin cleaning set-up	15-Apr-21		Samples taken and setup for east basin cleaning
Erie #1 motor install	15-Apr-21		Installed refurbished motor at Erie pump station, back in service and awaiting alignment
Menards	15-Apr-21		Menards parts run for filter plant items
Generator Engine	15-Apr-21		Diagnose generator heat exchanger water leak, free stuck piston, checked out okay after short run.
Acme Armature	15-Apr-21		Pickup Erie motor #3 and transport to pump station.
Sample Pumps	16-Apr-21		Continue fabricating cords for new filter sample pumps.
East Basin	16-Apr-21		Inspect East basin after sludge service, begin filling, turn on chemicals, etc.
Erie Ave.	16-Apr-21		Drop off new reagents, check grounds, etc.
Horizon Ave.	16-Apr-21		Check reagents, drop off distilled, check grounds, etc.
Safety classes	19-Apr-21		Safety classes at utility for CEC credits
Filter Sample Pump	19-Apr-21		Re-wire shelf/storage sample pump.
West Basin	19-Apr-21		Begin decanting West basin.
Georgia Ave.	20-Apr-21		Check reagents, grounds, and generator.

Yellow indicates days operating or running labs

West Basin	20-Apr-21		Pull decant boxes, open valves, and change over piping for sludge service.
West Basin	20-Apr-21		Continue decanting West basin.
Raw Water NTU Meter	20-Apr-21		Remove loaner NTU meter and install rebuilt unit.
Paint Flanges	20-Apr-21		Paint flanges and valve socket.
Flanges and Socket	20-Apr-21		Sand blast flanges and valve turner socket.
South Basin	20-Apr-21		Enter South basin bearing and floc information.
Erie Ave.	21-Apr-21		Laser align pump 1.
Georgia Ave.	21-Apr-21		Check generator fail to run issue; fault was for rpm low 1. We checked fluids, cleared codes, and manual started. Everything checked out okay at this time.
Filter 11 Railing	21-Apr-21		Install railing on filter 11 platform.
Filter 2 NTU	21-Apr-21		Install new hose manifold on filter 2; part of NTU meter update.
Filter plant maintenance	22-Apr-21		Filter plant general maintenance completed
Filter plant maintenance	23-Apr-21		Filter plant maintenance completed
Safety classes	26-Apr-21		Safety classes at utility for CEC
West Basin	26-Apr-21		Begin disassembling West basin floc train.
Sodium Thiosulfate	27-Apr-21		Offload 4 sodium thiosulfate barrels.
Raw NTU Meter	27-Apr-21		Re-install temporary raw NTU meter.
UV Alarm	27-Apr-21		Check UV wiper motor and UV UPS battery bus alarms.
UVT% Check	27-Apr-21		Check UVT% and calibrate UVT% meters.
UV Reactor Switch	27-Apr-21		Switch UV reactor from East train to West.
UV Reference Check	27-Apr-21		Perform UV reference check procedure.
system pressure testing	28-Apr-21		Helped engineers with system pressure testing in the boosted zone
Phosphate reagents	28-Apr-21		Refilled phosphate reagents in lab
Tab chlorine reagents	28-Apr-21		Filled tap chlorine reagents in lab
SCADA System	28-Apr-21		Assist Rick with SCADA check list.
AWWA class for CEC's	29-Apr-21		AWWA class for CEC credits today
PO and Generator Information	29-Apr-21		Send in POs and procure information for generators.
Sodium Thiosulfate Scale	30-Apr-21		Run new 4-20 wire for sodium thiosulfate scale.
High Lift Cart	30-Apr-21		Raise and transport high lift motor cart.
Georgia Ave.	30-Apr-21		Collect water sample and generator serial numbers.
Ortho NJ tube	30-Apr-21		Installed new NJ tube in west ortho pump
Fluoride Tube	30-Apr-21		Install new fluoride feed tube.

MONTHLY CONSTRUCTION-MAINTENANCE DEPARTMENT REPORT

April 2021

Distribution System Maintenance:

- Repaired main break on Ontario Avenue.
- Aided in locating water main on Campus Drive for new connection at Bookworm Gardens.
- Aided Engineering in construction staking for the Georgia Avenue water main replacement project.
- Worked with Operations department to rebuild flocculators in the West Basin.
- Replaced hydrant on N 20th Street.
- Aided Operations in pump motor installation at EAPS.
- Annual valve turning.
- Hauled in fill to replenish stock.

Water Quality:

- Completed weekly, and monthly hydrant flushing.
- Installed, calibrated, and maintained auto-flushing units.

Taps:

- 2" tap at 1415 Campus Drive.
- 1" tap at 1917 N 3rd Street. Lead Service was removed from the system.
- 6" tap at 929 Greenfield Avenue.

Building/Grounds Maintenance:

- General shop maintenance and cleaning.

Equipment Maintenance:

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

Distribution System -- April 2021

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

Hydrants Installed (including water main projects and others)

Location	Installed	Tr Size	Valve	Contractor
Superior Ave. at N. 20th St. (NE)	4/16/2021	6'	n	ute.

Total Hydrants Installed = 1

Hydrants Removed (including water main projects and others)

Location	Installed	Removed	Hyd Valve?
Superior Ave. at N. 20th St. (NE)	7/4/1920	4/16/2021	n

Total Hydrants Removed = 1

Hydrants Abandoned (including water main projects and others)

Location	Installed	Abandoned	Tr Size

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
N. 7th St and Ontario Ave	4/15/2021	6"

Total Water Main Breaks = 1

SUMMARY

Number of feet of 4 inch water main installed	0.0
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
Number of water main breaks repaired	1
Number of hydrants installed	1
Number of hydrants removed or abandoned	1
Number of hydrants maintained or moved	0
Number of street or hydrant valves installed	0
Number of street or hydrant valves removed or abandoned	0
Number of valves maintained	0
Number of water connections installed	3

Customer Relations & Fiscal Summary

Utility Bills

Mailed 5518

Emailed 2281

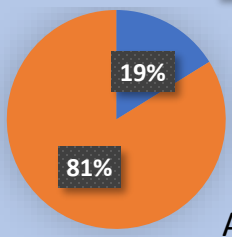
Payment Transactions

Electronic 4,041

Cash & Check 2,714

6,755 Total Number of Payments Processed

7 Payments Returned Not Honorable



Auto-Pay

One Time

	April 2020	**April 2021**
Payment Window	0	301
Drop Box Payments	580	378
Electronic Payments	3706	4041
Cash/Check Payments	2170	2035
Total Payments	6456	6755

Collections

District 3 **Disco Program Resumed April 15, 2021*

$ 1,052,066 Billed

$198,897 Outstanding After Due Date

872 Past Due Letters Mailed

7 Properties Disconnected

$58,050 Outstanding At Month End

Customer Service

	April 2020	**April 2021**
Answered Calls	1229	**1131**
Account Transfers	157	**205**
Property Data Requests	51	**109**

PSC Complaints

0 PSC Complaint(s) Filed

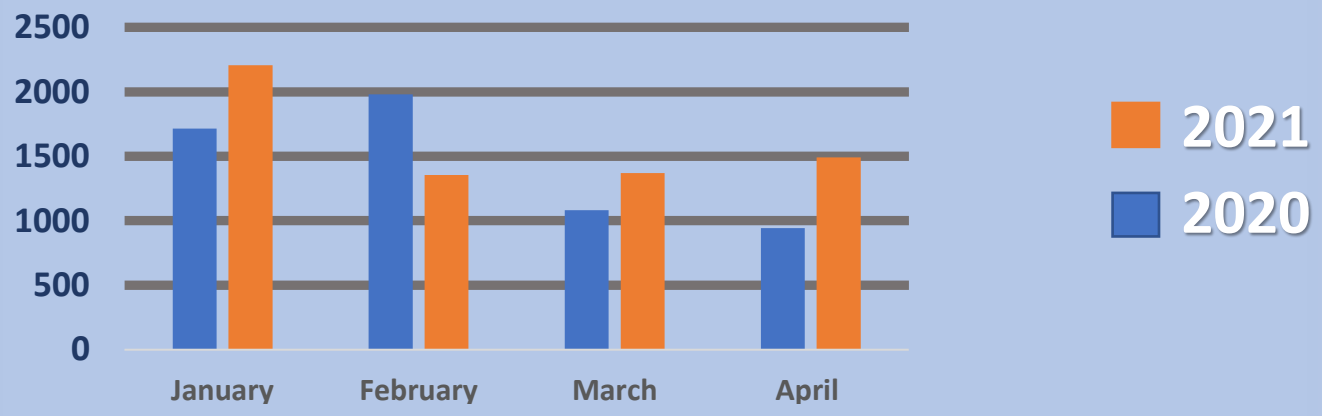
Accounts Payable

193 Invoices Paid

April 2021

Customer Relations & Fiscal Summary

Service Tech Miles Driven



Cross Connection Inspections

81 Inspections

17 Facilities with Compliance Issues

Leak Allowance

0 Customer Requests

0 CCF Allowed @ Reduced Rate

Service Leaks

0 New Reported Leaks

0 Leaks Fixed

1 Active Leak(s) Month End

Meters

17 Meters Installed/Replaced

1 Meters Tested

April 2021

Customer Relations & Fiscal Summary

Facebook Page

7 April New Followers

691 Total Followers

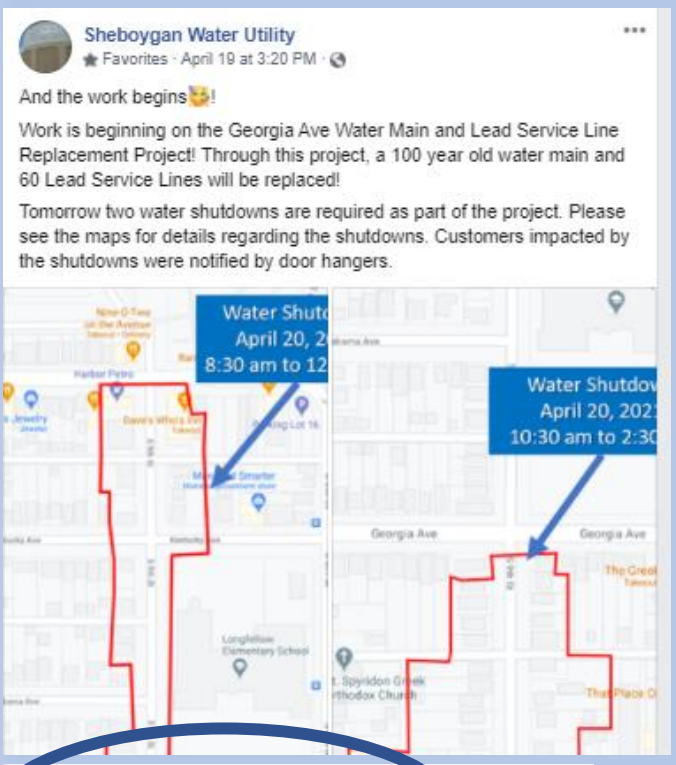
Website Visitors

2,499

2020 Visits in April: 2,094

Top Page Viewed: **Pay Your Bill**

Most Impressionable Facebook Posts



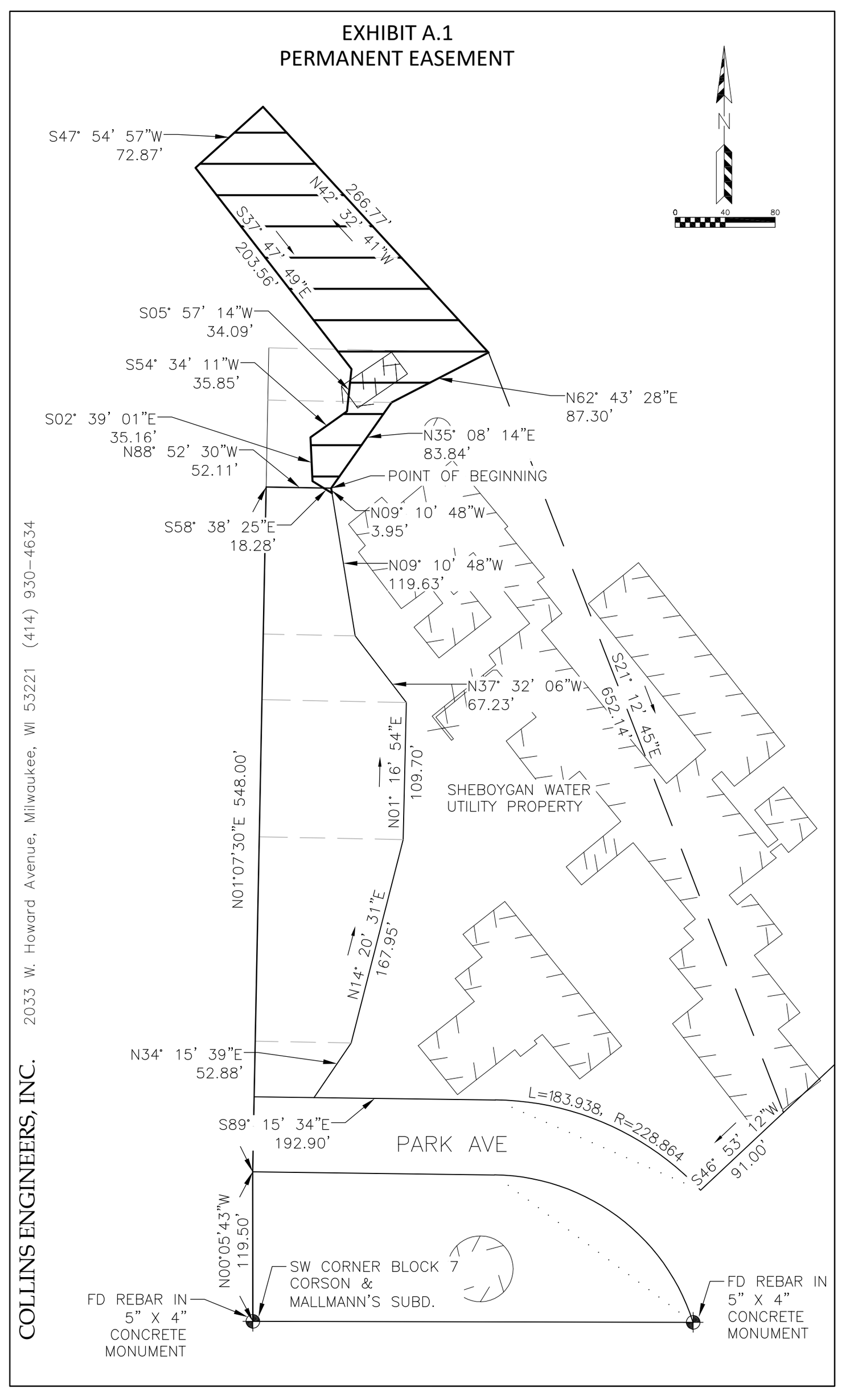
April 2021

Additional CR/F Activities
April

- The Utility resumed disconnection for nonpayment on April 27, 2021. Seven properties were disconnected for failure to make payment or enter into a Deferred Payment Agreement.
- Late payment charges will resume May 2021.
- The USS continue to rotate their schedule in the office on teams of two.
- Service Techs continue meter change outs and testing for commercial and industrial accounts.
- Residential Meter Replacement Program resumed the end of April.
- Staff is working on a conversion to a new payment processor/online account access vendor: InvoiceCloud.

April 2021

EXHIBIT A.1
PERMANENT EASEMENT



COLLINS ENGINEERS, INC. 2033 W. Howard Avenue, Milwaukee, WI 53221 (414) 930-4634

EXHIBIT A.2
PERMANENT UTILITY EASEMENT

A parcel of land located in the southeast quarter of Section 14, T15N, R23E, City of Sheboygan, Sheboygan County, Wisconsin, and being a part of Vollrath Park, more particularly described as follows:

Commencing at the SW corner of Block 7, Corson and Mallmann's Subdivision; thence N. 00°-05'-43" W. along the west line of said Block 7, 119.50 feet to the south right-of-way line of Park Avenue; thence N.01°-07'-30" E. 548.0 feet; thence easterly at a right angle S. 88°-52'-30" E, 52.11 feet, this point being also the northwesterly corner of the Sheboygan Water Utility property and the point of beginning of the PERMANENT EASEMENT; thence the following bearings and distances along the north property line of said property: N. 35°-08'-14" E. 83.84 feet, thence N. 62°-43'- 28" E. 87.30 feet to a Lake Michigan rock revetment; thence northwesterly N. 42°-32'-41" W along the top of said Lake Michigan rock revetment 266.77 feet; Thence S. 47°-54'-57" W , 72.87 feet; thence S. 37°-47'-49" E, 203.56 feet; thence S. 05°-57'-14" W, 34.09 feet, thence S. 54°-34'-11" W, 35.85 feet, thence S. 02°-39'-01" E, 35.16 feet, thence S. 58°-38'-25" E, 18.28 feet to the west line of the Sheboygan Water Utility property, thence N. 09°-10'-48" W along said west line, 3.95 feet to the northwesterly corner of the Sheboygan Water Utility property and the point of beginning.

This parcel containing **23,743 SF**, or 0.55 Acre or less.

R. O. No._____. By BOARD OF WATER COMMISSIONERS. May 17, 2021.

To the Honorable, the Mayor and Common Council:

In 2006, the City of Sheboygan granted a permanent easement (60 feet by 120 feet) to the Sheboygan Water Utility for the purpose of constructing and operating a raw water intake and pumping station on a small tract on the shoreline in Vollrath park adjacent to Utility lands. This site was the only feasible location for the new installation, which replaces aging critical infrastructure. After ongoing work, the Water Utility has completed final design of the facility and coordinated with other city entities including the Department of Public Works, City Attorney, Planning and Development, and Zoning. The final design requires a modification of the existing easement to accommodate a service driveway, shoreline protection, security fencing, and some large underground pipes connecting to the water treatment plant. The Board of Water Commissioners respectfully requests that the original permanent easement be replaced by the modified permanent easement to accommodate this important infrastructure project for the community. The Board also requests approval of a utility easement to the north for connection on Vollrath Boulevard for the purpose of installation and operation of a sanitary sewer lateral to serve the new building.

BOARD OF WATER COMMISSIONERS

_____

Gerald R. Van De Kreeke, President

_____

Mark J. Smith, Secretary

_____

Thomas E. Howe, Member

Attachments

R. O. No._____. By BOARD OF WATER COMMISSIONERS. MAY 17, 2020.

To the Honorable, the Mayor and Common Council:

We are, hereby, submitting a copy of the 2020 Annual Report to the Public Service Commission (PSC) of Wisconsin for the Sheboygan Water Utility.

BOARD OF WATER COMMISSIONERS

_____

Gerald R. Van De Kreeke, President

_____

Mark J. Smith, Secretary

_____

Thomas E. Howe, Member

Attachments

Class AB

WATER, ELECTRIC, OR JOINT UTILITY ANNUAL REPORT

OF

SHEBOYGAN WATER UTILITY

72 PARK AVE
SHEBOYGAN, WI 53081-2958

For the Year Ended: DECEMBER 31, 2020

TO

PUBLIC SERVICE COMMISSION OF WISCONSIN

P.O. Box 7854
Madison, WI 53707-7854
(608) 266-3766

This form is required under Wis. Stat. Ä 196.07. Failure to file the form by the statutory filing date can result in the imposition of a penalty under Wis. Stat. Ä 196.66. The penalty which can be imposed by this section of the statutes is a forfeiture of not less than $25 nor more than $5,000 for each violation. Each day subsequent to the filing date constitutes a separate and distinct violation. The filed form is available to the public and personally identifiable information may be used for purposes other than those related to public utility regulation.

Filed: 05/06/2021

Water Service Started Date: 03/01/1909

DNR Public Water System ID: 46003540

Safe Drinking Water Information System (SDWIS) Total Population Served: 49288

I ***Lisa M Gottsacker***, ***CPA, Accountant*** of ***SHEBOYGAN WATER UTILITY***, certify that I am the person responsible for accounts; that I have examined the following report and, to the best of my knowledge, information and belief, it is a correct statement of the business and affairs of said utility for the period covered by the report in respect to each and every matter set forth therein.

Date Signed: ***5/3/2021***

Table of Contents

Table of Contents

WATER SECTION

Identification and Ownership - Contacts

Utility employee in charge of correspondence concerning this report

Name: LISA M GOTTSACKER, CPA
Title: Utility Accountant
Mailing Address: 72 Park Avenue
Sheboygan, WI, WI 53083
Phone: (920) 459-3804
Email Address: gotts1114@att.net

Accounting firm or consultant preparing this report (if applicable)

Name:
Title:
Mailing Address:
Phone:
Email Address:

Name and title of utility General Manager (or equivalent)

Name: JOE TRUEBLOOD, PE
Title: Superintendent
Mailing Address: 72 Park Avenue
Sheboygan, WI 53081
Phone: (920) 459-3805
Email Address: joetrueblood@sheboyganwater.org

President, chairman, or head of utility commission/board or committee

Name: GERALD R. VAN DE KREEKE, CPA
Title: President
Mailing Address: 1530 S. 12th Street
Sheboygan, WI 53081
Phone: (920) 458-4351
Email Address: gvandekreeke@vdks.com

Contact person for cybersecurity issues and events

Name: JOE TRUEBLOOD, PE
Title: Superintendent
Mailing Address: 72 Park Avenue
Sheboygan, WI 53081
Phone: (920) 459-3805
Email Address: joetrueblood@sheboyganwater.org

Identification and Ownership - Governing Authority and Audit Information

Utility Governing Authority

Select the governing authority for this utility.

_x_Reports to utility board/commission

___Reports directly to city/village council

Audit Information

Are utility records audited by individulas or firms other than utility employees? _x_Yes __No

Date of most recent audit report: 03/31/2021

Period covered by most recent audit: 01/01/2020 - 12/31/2020

Individual or firm, if other than utility employee, auditing utility records

Name:	Jodi Dobson, CPA
Title:	Partner
Organization Name:	Baker Tilly US, LLP
USPS Address:	Ten Terrace Court, PO Box 7398
City State Zip	Madison, WI 53707-7398
Telephone:	(608) 240-2469
Email Address:	jodi.dobson@bakertilly.com

Report Preparation

If an accounting firm or consultant assists with report preparation, select the type of assistance provided

Review

Identification and Ownership - Contract Operations

Do you have any contracts?

Are any of the Utility's administrative or operational functions under contract or agreement with an outside provider for the year covered by this annual report and /or current year (i.e., utility billing is done by another entity)?

NO

Workforce Diversity

- Whole numbers in the range of 0 ï 999,999 are acceptable values for this schedule. Please enter part time employees as a whole number, and use the Footnotes feature to provide information about how many staff are part-time employees.
- Staff classification of various employment categories can vary from utility to utility. Use the Footnotes feature to provide information about how the utility defines these categories.

	Employee Count				
Category (a)	**Total (b)**	**Management (c)**	**Executive Leadership (d)**	**Board of Directors (e)**	
Total Utility Employees	33	3	1	3	1
Women	6	1			2
Minorities	3				3
Veterans	2	1			4

Income Statement

Particulars (a)	This Year (b)	Last Year (c)	
UTILITY OPERATING INCOME			1
Operating Revenues (400)	8,695,189	8,902,437	2
Operating Expenses:			3
Operation and Maintenance Expense (401-402)	5,035,487	4,963,162	4
Depreciation Expense (403)	1,509,380	1,416,027	5
Amortization Expense (404-407)	0	0	6
Taxes (408)	1,312,384	1,254,794	7
Total Operating Expenses	**7,857,251**	**7,633,983**	8
Net Operating Income	**837,938**	**1,268,454**	9
Income from Utility Plant Leased to Others (412-413)			10
Utility Operating Income	**837,938**	**1,268,454**	11
OTHER INCOME			12
Income from Merchandising, Jobbing and Contract Work (415-416)	0	0	13
Income from Nonutility Operations (417)			14
Nonoperating Rental Income (418)			15
Interest and Dividend Income (419)	44,283	75,112	16
Miscellaneous Nonoperating Income (421)	0	0	17
Total Other Income	**44,283**	**75,112**	18
Total Income	**882,221**	**1,343,566**	19
MISCELLANEOUS INCOME DEDUCTIONS			20
Miscellaneous Amortization (425)	(25,132)	(25,134)	21
Other Income Deductions (426)	127,997	117,142	22
Total Miscellaneous Income Deductions	**102,865**	**92,008**	23
Income Before Interest Charges	**779,356**	**1,251,558**	24
INTEREST CHARGES			25
Interest on Long-Term Debt (427)	327,877	331,621	26
Amortization of Debt Discount and Expense (428)	34,475		27
Amortization of Premium on Debt--Cr. (429)	34,620	32,872	28
Interest on Debt to Municipality (430)	6,738	5,850	29
Other Interest Expense (431)	0	0	30
Interest Charged to Construction--Cr. (432)			31
Total Interest Charges	**334,470**	**304,599**	32
Net Income	**444,886**	**946,959**	33
EARNED SURPLUS			34
Unappropriated Earned Surplus (Beginning of Year) (216)	43,127,381	42,180,422	35
Balance Transferred from Income (433)	444,886	946,959	36
Miscellaneous Credits to Surplus (434)			37
Miscellaneous Debits to Surplus--Debit (435)			38
Appropriations of Surplus--Debit (436)			39
Appropriations of Income to Municipal Funds--Debit (439)			40
Total Unappropriated Earned Surplus End of Year (216)	**43,572,267**	**43,127,381**	41

Income Statement Account Details

- Report each item (when individually or when like items are combined) greater than $10,000 (class AB), $5,000 (class C) and $2,000 (class D) and all other lesser amounts grouped as Miscellaneous. Describe fully using other than account titles.
- Nonregulated sewer income should be reported as Miscellaneous Nonoperating Income, Account 421.
- If amount of Contributed Plant ï Water (421) does not match the total Additions During Year entered on Water Utility Plant in Service ï Plant Financed by Contributions, please provide a detailed explanation. Please see the help guide for more information.

Description (a)	Earnings (216.1) (b)	Contributions (216.2) (c)	Total This Year (d)	
UTILITY OPERATING INCOME				1
Operating Revenues (400)				2
Derived	8,695,189		8,695,189	3
Total (Acct. 400)	**8,695,189**	**0**	**8,695,189**	4
Operation and Maintenance Expense (401-402)				5
Derived	5,035,487		5,035,487	6
Total (Acct. 401-402)	**5,035,487**	**0**	**5,035,487**	7
Depreciation Expense (403)				8
Derived	1,509,380		1,509,380	9
Total (Acct. 403)	**1,509,380**	**0**	**1,509,380**	10
Amortization Expense (404-407)				11
Derived	0		0	12
Total (Acct. 404-407)	**0**	**0**	**0**	13
Taxes (408)				14
Derived	1,312,384		1,312,384	15
Total (Acct. 408)	**1,312,384**	**0**	**1,312,384**	16
TOTAL UTILITY OPERATING INCOME	**837,938**	**0**	**837,938**	17
OTHER INCOME				18
Income from Merchandising, Jobbing and Contract Work (415-416)				19
Derived	0	0	0	20
Total (Acct. 415-416)	**0**	**0**	**0**	21
Interest and Dividend Income (419)				22
INTEREST AND DIVIDENDS	44,283		44,283	23
Total (Acct. 419)	**44,283**	**0**	**44,283**	24
Miscellaneous Nonoperating Income (421)				25
Contributed Plant - Water			0	26
Impact Fees - Water			0	27
Total (Acct. 421)	**0**	**0**	**0**	28
TOTAL OTHER INCOME	**44,283**	**0**	**44,283**	29
MISCELLANEOUS INCOME DEDUCTIONS				30
Miscellaneous Amortization (425)				31
Regulatory Liability (253) Amortization	(25,132)		(25,132)	32
Total (Acct. 425)	**(25,132)**	**0**	**(25,132)**	33
Other Income Deductions (426)				34
Depreciation Expense on Contributed Plant - Water		127,997	127,997	35
Total (Acct. 426)	**0**	**127,997**	**127,997**	36
TOTAL MISCELLANEOUS INCOME DEDUCTIONS	**(25,132)**	**127,997**	**102,865**	37
INTEREST CHARGES				38
Interest on Long-Term Debt (427)				39

Income Statement Account Details

- Report each item (when individually or when like items are combined) greater than $10,000 (class AB), $5,000 (class C) and $2,000 (class D) and all other lesser amounts grouped as Miscellaneous. Describe fully using other than account titles.
- Nonregulated sewer income should be reported as Miscellaneous Nonoperating Income, Account 421.
- If amount of Contributed Plant ï Water (421) does not match the total Additions During Year entered on Water Utility Plant in Service ï Plant Financed by Contributions, please provide a detailed explanation. Please see the help guide for more information.

Description (a)	Earnings (216.1) (b)	Contributions (216.2) (c)	Total This Year (d)	
Derived	327,877		327,877	40
Total (Acct. 427)	**327,877**	**0**	**327,877**	41
Amortization of Debt Discount and Expense (428)				42
Amortization of Debt Discount and Expense	34,475		34,475	43
Total (Acct. 428)	**34,475**	**0**	**34,475**	44
Amortization of Premium on Debt--Cr. (429)				45
Bonds	34,620		34,620	46
Total (Acct. 429)	**34,620**	**0**	**34,620**	47
Interest on Debt to Municipality (430)				48
Derived	6,738		6,738	49
Total (Acct. 430)	**6,738**	**0**	**6,738**	50
Other Interest Expense (431)				51
Derived	0		0	52
Total (Acct. 431)	**0**	**0**	**0**	53
TOTAL INTEREST CHARGES	**334,470**	**0**	**334,470**	54
NET INCOME	**572,883**	**(127,997)**	**444,886**	55
EARNED SURPLUS				56
Unappropriated Earned Surplus (Beginning of Year) (216)				57
Derived	38,300,847	4,826,534	43,127,381	58
Total (Acct. 216)	**38,300,847**	**4,826,534**	**43,127,381**	59
Balance Transferred from Income (433)				60
Derived	572,883	(127,997)	444,886	61
Total (Acct. 433)	**572,883**	**(127,997)**	**444,886**	62
UNAPPROPRIATED EARNED SURPLUS (END OF YEAR)	**38,873,730**	**4,698,537**	**43,572,267**	63

Income from Merchandising, Jobbing & Contract Work (Accts. 415-416)

Particulars (a)	Water (b)	Electric (c)	Gas (d)	Sewer (e)	Total (f)	
Revenues						1
Revenues (account 415)	45,825				**45,825**	2
Cost and Expenses of Merchandising, Jobbing and Contract Work (416)						3
Cost of merchandise sold					**0**	4
Payroll					**0**	5
Materials	45,825				**45,825**	6
Taxes					**0**	7
Total costs and expenses	**45,825**	**0**	**0**	**0**	**45,825**	8
Net Income (or loss)	**0**	**0**	**0**	**0**	**0**	9

Income from Merchandising, Jobbing & Contract Work (Accts. 415-416)

Income from Merchandising, Jobbing & Contract Work (Accts. 415-416) (Page F-03)

General Footnote

Revenues received from the DNR Safe Drinking Water Loan program for the replacement of lead water service laterals. Expenses paid to plumbing contractors for the replacement of lead water service laterals. Revenues and expenses related to the COVID-19 pandemic and received from the CARES Act.

Revenues Subject to Wisconsin Remainder Assessment

- Report data necessary to calculate revenue subject to Wisconsin remainder assessment pursuant to Wis. Stat Ä 196.85(2) and Wis. Admin. Code Ch. PSC 5.
- If the sewer department is not regulated by the PSC, do not report sewer department in data column (d).

Description (a)	Water Utility (b)	Electric Utility (c)	Gas Utility (d)	Sewer Utility (Regulated Only (e)	Total (f)	
Total operating revenues	8,695,189				**8,695,189**	1
Less: interdepartmental sales	0				**0**	2
Less: interdepartmental rents	0				**0**	3
Less: return on net investment in meters charged to regulated sewer department. (Do not report if nonregulated sewer.)					**0**	4
Less: uncollectibles directly expensed as reported in water acct. 904 (690 class D), sewer acct. 843, and electric acct. 904 -or- Net write-offs when Accumulated Provision for Uncollectible Accounts (acct. 144) is maintained	2,310				**2,310**	5
Revenues subject to Wisconsin Remainder Assessment	**8,692,879**	**0**	**0**	**0**	**8,692,879**	6

Distribution of Total Payroll

- Amounts charged to Utility Financed and to Contributed Plant accounts should be combined and reported in plant or accumulated depreciation accounts.
- Amount originally charged to clearing accounts as shown in column (b) should be shown as finally distributed in column (c).
- The amount for clearing accounts in column (c) is entered as a negative for account "Clearing Accounts" and the distributions to accounts on all other lines in column (c) will be positive with the total of column (c) being zero.
- Provide additional information in the schedule footnotes when necessary.
- Please see the help guide for examples of how to break out shared costs.

Accounts Charged (a)	Direct Payroll Distribution (b)	Allocation of Amounts Charged Clearing Accts. (c)	Total (d)	
Water operating expenses	1,720,682		**1,720,682**	1
Electric operating expenses			**0**	2
Gas operating expenses			**0**	3
Heating operating expenses			**0**	4
Sewer operating expenses			**0**	5
Merchandising and jobbing			**0**	6
Other nonutility expenses			**0**	7
Water utility plant accounts	187,128		**187,128**	8
Electric utility plant accounts			**0**	9
Gas utility plant accounts			**0**	10
Heating utility plant accounts			**0**	11
Sewer utility plant accounts			**0**	12
Accum. prov. for depreciation of water plant			**0**	13
Accum. prov. for depreciation of electric plant			**0**	14
Accum. prov. for depreciation of gas plant			**0**	15
Accum. prov. for depreciation of heating plant			**0**	16
Accum. prov. for depreciation of sewer plant			**0**	17
Clearing accounts			**0**	18
All other accounts			**0**	19
Total Payroll	**1,907,810**	**0**	**1,907,810**	20

Full-Time Employees (FTE)

- Use FTE numbers where FTE stands for Full-Time Employees or Full-Time Equivalency. FTE can be computed by using total hours worked/2080 hours for a fiscal year. Estimate to the nearest hundredth. If an employee works part time for more than one industry then determine FTE based on estimate of hours worked per industry.
- Example: An employee worked 35% of their time on electric jobs, 30% on water jobs, 20% on sewer jobs and 15% on municipal nonutility jobs. The FTE by industry would be .35 for electric, .30 for water and .20 for sewer.

	Industry (a)	FTE (b)	
1	Water	30.0	
2	Electric		
3	Gas		
4	Sewer		

Balance Sheet

Assets and Othe Debits (a)	Balance End of Year (b)	Balance First of Year (c)	
ASSESTS AND OTHER DEBITS			1
UTILITY PLANT			2
Utility Plant (101)	75,482,470	72,655,004	3
Less: Accumulated Provision for Depreciation and Amortization of Utility Plant (111)	24,691,819	23,025,457	4
Utility Plant Acquisition Adjustments (117-118)	0	0	5
Other Utility Plant Adjustments (119)	0	0	6
Net Utility Plant	**50,790,651**	**49,629,547**	7
OTHER PROPERTY AND INVESTMENTS			8
Nonutility Property (121)	0	0	9
Less: Accumulated Provision for Depreciation and Amortization of Nonutility Property (122)	0	0	10
Investment in Municipality (123)	0	0	11
Other Investments (124)	0	0	12
Sinking Funds (125)	688,824	706,627	13
Depreciation Fund (126)	0	0	14
Other Special Funds (128)	0	0	15
Total Other Property and Investments	**688,824**	**706,627**	16
CURRENT AND ACCRUED ASSETS			17
Cash (131)	0	0	18
Special Deposits (134)	0	0	19
Working Funds (135)	0	0	20
Temporary Cash Investments (136)	8,989,597	8,719,308	21
Notes Receivable (141)	0	0	22
Customer Accounts Receivable (142)	1,616,628	1,167,366	23
Other Accounts Receivable (143)	74,492	16,897	24
Accumulated Provision for Uncollectible Accounts- -Cr. (144)	0	0	25
Receivables from Municipality (145)	401,114	471,802	26
Plant Materials and Operating Supplies (154)	277,191	270,831	27
Merchandise (155)	0	0	28
Other Materials and Supplies (156)	0	0	29
Stores Expense (163)	0	0	30
Prepayments (165)	76,495	32,414	31
Interest and Dividends Receivable (171)	0	0	32
Accrued Utility Revenues (173)	0	0	33
Miscellaneous Current and Accrued Assets (174)	1,038,866	1,262,190	34
Total Current and Accrued Assets	**12,474,383**	**11,940,808**	35
DEFERRED DEBITS			36
Unamortized Debt Discount and Expense (181)	0	0	37
Extraordinary Property Losses (182)	0	0	38
Preliminary Survey and Investigation Charges (183)	0	0	39
Clearing Accounts (184)	0	0	40
Temporary Facilities (185)	0	0	41
Miscellaneous Deferred Debits (186)	411,147	0	42
Total Deferred Debits	**411,147**	**0**	43
TOTAL ASSETS AND OTHER DEBITS	**64,365,005**	**62,276,982**	44

Balance Sheet

Liabilities and Othe Credits (a)	Balance End of Year (b)	Balance First of Year (c)	
LIABILITIES AND OTHER CREDITS			1
PROPRIETARY CAPITAL			2
Capital Paid in by Municipality (200)	3,181,819	3,181,819	3
Appropriated Earned Surplus (215)	0	0	4
Unappropriated Earned Surplus (216)	43,572,267	43,127,381	5
Total Proprietary Capital	**46,754,086**	**46,309,200**	6
LONG-TERM DEBT			7
Bonds (221)	13,524,996	11,437,252	8
Advances from Municipality (223)	152,173	169,252	9
Other Long-Term Debt (224)	0	0	10
Total Long-Term Debt	**13,677,169**	**11,606,504**	11
CURRENT AND ACCRUED LIABILITIES			12
Notes Payable (231)	0	0	13
Accounts Payable (232)	79,749	788,432	14
Payables to Municipality (233)	0	0	15
Customer Deposits (235)	0	0	16
Taxes Accrued (236)	1,215,296	1,160,483	17
Interest Accrued (237)	61,745	60,231	18
Tax Collections Payable (241)	0	0	19
Miscellaneous Current and Accrued Liabilities (242)	1,311,368	679,336	20
Total Current and Accrued Liabilities	**2,668,158**	**2,688,482**	21
DEFERRED CREDITS			22
Unamortized Premium on Debt (251)	220,963	264,573	23
Customer Advances for Construction (252)	0	0	24
Other Deferred Credits (253)	400,240	828,201	25
Total Deferred Credits	**621,203**	**1,092,774**	26
OPERATING RESERVES			27
Property Insurance Reserve (261)	0	0	28
Injuries and Damages Reserve (262)	0	0	29
Pensions and Benefits Reserve (263)	0	0	30
Miscellaneous Operating Reserves (265)	644,389	580,022	31
Total Operating Reserves	**644,389**	**580,022**	32
TOTAL LIABILITIES AND OTHER CREDITS	**64,365,005**	**62,276,982**	33

Net Utility Plant

Å Report utility plant accounts and related accumulated provisions for depreciation and amortization after allocation of common plant accounts and related provisions for depreciation and amortization to utility departments as of December 31.

Particulars (a)	Water (b)	Electric (c)	Gas (d)	Sewer (e)	
First of Year					1
Total Utility Plant - First of Year	72,655,004	0	0	0	2
	72,655,004	**0**	**0**	**0**	3
Plant Accounts					4
Utility Plant in Service - Financed by Utility Operations or by the Municipality (101.1)	68,076,952				5
Utility Plant in Service - Contributed Plant (101.2)	6,395,941				6
Utility Plant Purchased or Sold (102)					7
Utility Plant Leased to Others (104)					8
Property Held for Future Use (105)					9
Completed Construction not Classified (106)					10
Construction Work in Progress (107)	1,009,577				11
Total Utility Plant	**75,482,470**	**0**	**0**	**0**	12
Accumulated Provision for Depreciation and Amortization					13
Accumulated Provision for Depreciation of Utility Plant in Service - Financed by Utility Operations or by the Municipality (111.1)	22,894,397				14
Accumulated Provision for Depreciation of Utility Plant in Service - Contributed Plant (111.2)	1,797,422				15
Accumulated Provision for Depreciation of Utility Plant Leased to Others (112)					16
Accumulated Provision for Depreciation of Property Held for Future Use (113)					17
Accumulated Provision for Amortization of Utility Plant in Service (114)					18
Accumulated Provision for Amortization of Utility Plant Leased to Others (115)					19
Accumulated Provision for Amortization of Property Held for Future Use (116)					20
Total Accumulated Provision	**24,691,819**	**0**	**0**	**0**	21
Accumulated Provision for Depreciation and Amortization					22
Utility Plant Acquisition Adjustments (117)					23
Accumulated Provision for Amortization of Utility Plant Acquisition Adjustments (118)					24
Other Utility Plant Adjustments (119)					25
Total Other Utility Plant Accounts	**0**	**0**	**0**	**0**	26
Net Utility Plant	**50,790,651**	**0**	**0**	**0**	27

Accumulated Provision for Depreciation of Utility Plant on Utility Plant Financed by Utility Operations or by the Municipality (Acct. 111.1)

Depreciation Accruals (Credits) during the year (111.1):

- Å Report the amounts charged in the operating sections to Depreciation Expense (403).
- Å If sewer operations are nonregulated, do not report sewer depreciation on this schedule.
- Å Report the Depreciation Expense on Meters charged to sewer operations as an addition in the Water Column. If the sewer is also a regulated utility by the PSC, report an equal amount as a reduction in the Sewer column.
- Å Report all other accruals charged to other accounts, such as to clearing accounts.

Description (a)	Water (b)	Electric (c)	Gas (d)	Sewer (e)	Total (f)	
Balance First of Year (111.1)	21,356,032	0	0	0	**21,356,032**	1
Credits during year						2
Charged Depreciation Expense (403)	1,509,380				**1,509,380**	3
Depreciation Expense on Meters Charged to Sewer	224,718				**224,718**	4
Salvage	0				**0**	5
Total credits	**1,734,098**	**0**	**0**	**0**	**1,734,098**	6
Debits during year						7
Book Cost of Plant Retired	195,733				**195,733**	8
Cost of Removal	0				**0**	9
Total debits	**195,733**	**0**	**0**	**0**	**195,733**	10
Balance end of year (111.1)	**22,894,397**	**0**	**0**	**0**	**22,894,397**	11

Accumulated Provision for Depreciation of Utility Plant on Contributed Plant in Service (Acct. 111.2)

Depreciation Accruals (Credits) during the year (111.2):

- Report the amounts charged in the operating sections to Other Income Deductions (426).
- If sewer operations are nonregulated, do not report sewer depreciation on this schedule.
- Report the Depreciation Expense on Meters charged to sewer operations as an addition in the Water Column. If the sewer is also a regulated utility by the PSC, report an equal amount as a reduction in the Sewer column.
- Report all other accruals charged to other accounts, such as to clearing accounts.

Description (a)	Water (b)	Electric (c)	Gas (d)	Sewer (e)	Total (f)	
Balance First of Year (111.2)	1,669,425	0	0	0	**1,669,425**	1
Credits during year						2
Charged Other Income Deductions (426)	127,997				**127,997**	3
Depreciation Expense on Meters Charged to Sewer					**0**	4
Salvage	0				**0**	5
Total credits	**127,997**	**0**	**0**	**0**	**127,997**	6
Debits during year						7
Book Cost of Plant Retired	0				**0**	8
Cost of Removal	0				**0**	9
Total debits	**0**	**0**	**0**	**0**	**0**	10
Balance end of year (111.2)	**1,797,422**	**0**	**0**	**0**	**1,797,422**	11

Net Nonutility Property (Accts. 121 & 122)

- Report separately each item of property with a book cost of $5,000 or more included in account 121.
- Other items may be grouped by classes of property.
- Describe in detail any investment in sewer department carried in this account.

Description (a)	Balance First of Year (b)	Additions During Year (c)	Deductions During Year (d)	Balance End of Year (e)	
Nonregulated sewer plant	0			**0**	1
Total Nonutility Property (121)	**0**	**0**	**0**	**0**	2
Less accum. prov. depr. & amort. (122)	**0**			**0**	3
Net Nonutility Property	**0**	**0**	**0**	**0**	4

Accumulated Provision for Uncollectible Accounts-Cr. (Acct. 144)

	Description (a)	Amount (b)		
	Balance first of year	0	*	1
Additions				2
	Provision for uncollectibles during year	0		3
	Collection of accounts previously written off: Utility Customers	0		4
	Collection of accounts previously written off: Others	0		5
Total Additions		**0**		6
Accounts Written Off				7
	Accounts written off during the year: Utility Customers	0		8
	Accounts written off during the year: Others	0		9
Total Accounts Written Off		**0**		10
Balance End of Year		**0**		11

Accumulated Provision for Uncollectible Accounts-Cr. (Acct. 144)

Accumulated Provision for Uncollectible Accounts-Cr. (Acct. 144) (Page F-12)

General Footnote

The Sheboygan Water Utility uses the tax roll process, adding delinquent amounts to the tax roll, therefore no provision is made for uncollectible accounts.

Materials and Supplies

Account (a)	Generation (b)	Transmission (d)	Distribution (d)	Other (e)	Total End of Year (f)	Amount Prior Year (g)	
Electric Utility							1
Fuel (151)					**0**	**0**	2
Fuel stock expenses (152)					**0**	**0**	3
Plant mat. & oper. sup. (154)					**0**	**0**	4
Total Electric Utility	**0**	**0**	**0**	**0**	**0**	**0**	5

Account	Total End of Year	Amount Prior Year	
Electric utility total	**0**	**0**	1
Water utility (154)	277,191	**270,831**	2
Sewer utility (154)			3
Heating utility (154)			4
Gas utility (154)			5
Merchandise (155)			6
Other materials & supplies (156)			7
Stores expense (163)			8
Total Material and Supplies	**277,191**	**270,831**	9

Unamortized Debt Discount & Expense & Premium on Debt (Accts. 181 and 251)

Report net discount and expense or premium separately for each security issue.

Debt Issue to Which Related (a)	Written Off During Year: Amount (b)	Written Off During Year: Account Charged or Credited (c)	Balance End of Year (d)	
Unamortized debt discount & expense (181)				1
None				2
Total	**0**		**0**	3
Unamortized premium on debt (251)				4
Bond Premium	34,620	429	220,963	5
None				6
Total	**34,620**		**220,963**	7

Capital Paid in by Municipality (Acct. 200)

Report each item (when individually or when like items are combined) greater than $10,000 (class AB), $5,000 (class C) and $2,000 (class D, sewer and privates) and all other lesser amounts grouped as Miscellaneous. Describe fully using other than account titles.

	Description (a)	Amount (b)	
Balance first of year		3,181,819	1
Balance end of year		**3,181,819**	2

Bonds (Acct. 221)

- Report information required for each separate issue of bonds.
- If there is more than one interest rate for an aggregate obligation issue, average the interest rates and report one rate.
- Proceeds advanced by the municipality from sale of general obligation bonds, if repayable by utility, should be included in account 223.
- Enter interest rates in decimal form. For example, enter 6.75% as 0.0675

	Description of Issue (a)	Date of Issue (b)	Final Maturity Date (c)	Interest Rate (d)	Principal Amount End of Year (e)	
1	2004 SAFE DRINKING WATER LOAN	03/10/2004	05/01/2023	2.75%	612,210	1
2	2013 WATER UTILITY REVENUE BONDS	04/03/2013	05/01/2033	2.00%	2,155,000	2
3	2015 SAFE DRINKING WATER LOAN	05/13/2015	05/01/2035	1.65%	2,382,786	3
4	2016 WATER UTILITY REVENUE BONDS	04/20/2016	04/20/2025	1.64%	1,170,000	4
5	2018 WATER UTILITY REVENUE BONDS	05/01/2018	05/01/2033	4.00%	4,105,000	5
6	2020 WATER UTILITY BOND ANTICIPATION NOTE	05/18/2020	05/01/2024	1.25%	3,100,000	6
7	**Total**				**13,524,996**	7

Notes Payable & Miscellaneous Long-Term Debt

- Report each class of debt included in Accounts 223, 224 and 231.
- Proceeds of general obligation issues, if subject to repayment by the utility, should be included in Account 223.
- If there is more than one interest rate for an aggregate obligation issue, average the interest rates and report one rate.
- Enter interest rates in decimal form. For example, enter 6.75% as 0.0675

Account and Description of Obligation (a and b)	Date of Issue (c)	Final Maturity Date (d)	Interest Rate (e)	Principal Amount End of Year (f)	
Advances from Municipality (223)					1
UNFUNDED PENSION	03/15/2008	03/15/2027	2.00%	152,173	2
Total for Account 223				**152,173**	3

Taxes Accrued (Acct. 236)

Description (a)	Amount (b)	
Balance first of year	1,160,483	1
Charged water department expense	1,312,384	2
Charged electric department expense		3
Charged gas department expense		4
Charged sewer department expense	36,786	5
Total accruals and other credits	**1,349,170**	6
County, state and local taxes	1,160,534	7
Social Security taxes	124,424	8
PSC Remainder Assessment	9,399	9
Gross Receipts Tax		10
Total payments and other debits	**1,294,357**	11
Balance end of year	**1,215,296**	12

Interest Accrued (Acct. 237)

- Å Report below interest accrued on each utility obligation.
- Å Report customer deposits under account 235.

Description of Issue (a)	Interest Accrued Balance First of Year (b)	Interest Accrued During Year (c)	Interest Paid During Year (d)	Interest Accrued Balance End of Year (e)	
Bonds (221)	0	0	0	**0**	1
2004 SAFE DRINKING WATER LOAN $3,152,000	1,724	18,607	19,493	**838**	2
2013 WATER UTILITY REVENUE BOND	11,304	66,025	66,475	**10,854**	3
2015 SAFE DRINKING WATER LOAN $3,122,030	6,935	40,081	40,463	**6,553**	4
2016 WATER UTILITY REVENUE BONDS $2,115,000	7,680	23,323	23,994	**7,009**	5
2018 WATER UTILITY REVENUE BONDS $4,705,000	27,373	155,838	157,938	**25,273**	6
2020 WATER UTILITY BOND ANTICIP NOTE $3,100,000		24,003	17,545	**6,458**	7
Subtotal Bonds (221)	**55,016**	**327,877**	**325,908**	**56,985**	8
Advances from Municipality (223)	0	0	0	**0**	9
UNFUNDED PENSION	5,215	6,738	7,193	**4,760**	10
Subtotal Advances from Municipality (223)	**5,215**	**6,738**	**7,193**	**4,760**	11
Other Long-Term Debt (224)	0	0	0	**0**	12
None				**0**	13
Subtotal Other Long-Term Debt (224)	**0**	**0**	**0**	**0**	14
Notes Payable (231)	0	0	0	**0**	15
None				**0**	16
Subtotal Notes Payable (231)	**0**	**0**	**0**	**0**	17
Customer Deposits (235)	0	0	0	**0**	18
None				**0**	19
Subtotal Customer Deposits (235)	**0**	**0**	**0**	**0**	20
Total	**60,231**	**334,615**	**333,101**	**61,745**	21

Balance Sheet Detail - Other Accounts

Report each item (when individually or when like items are combined) greater than $10,000 (class AB), $5,000 (class C) and $2,000 (class D) and all other lesser amounts grouped as Miscellaneous. Describe fully using other than account titles.

Description (a)	Balance End of Year (b)	
Sinking Funds (125)	0	1
Bond Reserve Fund	688,824	2
Total (Acct. 125)	**688,824**	3
Cash and Working Funds (131)	0	4
Cash		5
Total (Acct. 131)	**0**	6
Temporary Cash Investments (136)	0	7
Temporary Cash Investments	8,989,597	8
Total (Acct. 136)	**8,989,597**	9
Customer Accounts Receivable (142)	0	10
Water	1,616,628	11
Total (Acct. 142)	**1,616,628**	12
Other Accounts Receivable (143)	0	13
Sewer (Non-regulated)		14
Merchandising, jobbing and contract work	74,492	15
Total (Acct. 143)	**74,492**	16
Receivables from Municipality (145)	0	17
Receivables for water main, laterals, and PFP	401,114	18
Total (Acct. 145)	**401,114**	19
Prepayments (165)	0	20
Prepayments	76,495	21
Total (Acct. 165)	**76,495**	22
Miscellaneous Current and Accrued Assets (174)	0	23
Deferred Outflow - Pension and OPEB	1,038,866	24
Total (Acct. 174)	**1,038,866**	25
Miscellaneous Deferred Debits (186)	0	26
Net Pension Asset	411,147	27
Total (Acct. 186)	**411,147**	28
Accounts Payable (232)	0	29
Accounts Payable	79,749	30
Total (Acct. 232)	**79,749**	31
Miscellaneous Current and Accrued Liabilities (242)	0	32

Balance Sheet Detail - Other Accounts

Report each item (when individually or when like items are combined) greater than $10,000 (class AB), $5,000 (class C) and $2,000 (class D) and all other lesser amounts grouped as Miscellaneous. Describe fully using other than account titles.

Accrued Payroll	50,671	33
Deferred Inflow - Pension and OPEB	1,260,697	34
Total (Acct. 242)	**1,311,368**	35
Other Deferred Credits (253)	0	36
Regulatory Liability	75,354	37
Net Pension Liability	324,886	38
Total (Acct. 253)	**400,240**	39
Miscellaneous Operating Reserves (265)	0	40
Accrued Vacation & Sick Leave	644,389	41
Total (Acct. 265)	**644,389**	42

Balance Sheet Detail - Other Accounts

Report each item (when individually or when like items are combined) greater than $10,000 (class AB), $5,000 (class C) and $2,000 (class D) and all other lesser amounts grouped as Miscellaneous. Describe fully using other than account titles.

Balance Sheet Detail - Other Accounts (Page F-22)

Explain amounts in Accounts 143, 145 and/or 233 in excess of $10,000. Provide a short list or detailed description, but do not use terms such as other revenues, general, miscellaneous, or repeat the account title.

Acct #143 pertains to accounts receivable for grant reimbursements from the DNR Safe Drinking Water Loan Program principal forgiveness for replacing lead water service laterals in the City of Sheboygan.

Acct #145 pertains to receivables from the City of Sheboygan for water main assessments, water lateral assessments, shared locating services, and charges for billing and collecting sewer and garbage payments.

Return on Rate Base Computation

- Å The data used in calculating rate base are averages.
- Å Calculate those averages by summing the first-of-year and the end-of-year figures for each account and then dividing the sum by two.
- Å For municipal utilities, do not include contributed plant in service, property held for future use, or construction work in progress with utility plant in service. These are not rate base components.
- Å For private utilities, do not include property held for future use, or construction work in progress with utility plant in service. These are not rate base components.

Average Rate Base (a)	Water (b)	Electric (c)	Gas (d)	Sewer (e)	Total (f)	
Add Average						1
Utility Plant in Service (101.1)	67,013,505				**67,013,505**	2
Materials and Supplies	274,011				**274,011**	3
Less Average						4
Reserve for Depreciation (111.1)	22,125,214				**22,125,214**	5
Customer Advances for Construction					**0**	6
Regulatory Liability	87,920				**87,920**	7
Average Net Rate Base	**45,074,382**	**0**	**0**	**0**	**45,074,382**	8
Net Operating Income	837,938				**837,938**	9
Net Operating Income as a percent of Average Net Rate Base	**1.86%**	**N/A**	**N/A**	**N/A**	**1.86%**	10

Regulatory Liability - Pre-2003 Historical Accumulated Depreciation on Contributed Utility Plant (253)

Description (a)	Water (b)	Electric (c)	Gas (d)	Sewer (e)	Total (f)	
Balance First of Year	100,486	0	0	0	**100,486**	1
Credits During Year					**0**	2
None					**0**	3
Charges (Deductions)					**0**	4
Miscellaneous Amortization (425)	25,132				**25,132**	5
Balance End of Year	**75,354**	**0**	**0**	**0**	**75,354**	6

Important Changes During the Year

Report changes of any of the following types:

1. Acquisitions

2. Leaseholder changes

3. Extensions of service

4. Estimated changes in revenues due to rate changes
Sheboygan Water Utility implemented a rate increase of 9.61% approved by the Public Service Commission of Wisconsin effective October 1, 2020 to provide for a 4.9% rate of return. The rate increase is designed to include necessary costs for required infrastructure improvements, decreasing residential sales due to conservation, and increasing operation and maintenance costs. The total increase in water revenues is estimated at $833,888.

5. Obligations incurred or assumed, excluding commercial paper
Sheboygan Water Utility issued $3,100,000 Bond Anticipation Notes (BAN) May 18, 2020 as interim financing to fund design and engineering costs related to the Raw Water Improvement Project. The BAN was issued at 1.25% interest maturing on May 1, 2024.

6. Formal proceedings with the Public Service Commission
Sheboygan Water Utility implemented a Lead Service Lateral Replacement Program in 2020 approved by the Public Service Commission of Wisconsin on July 23, 2020. The Lead Service Lateral Replacement Program enables the utility to provide 50% grant funds and zero percent interest loans to property owners for replacement of lead service laterals.

7. Any additional matters

Water Operating Revenues & Expenses

Description (a)	This Year (b)	Last Year (c)	
Operating Revenues - Sales of Water			1
Sales of Water (460-467)	8,526,929	8,737,821	2
Total Sales of Water	**8,526,929**	**8,737,821**	3
Other Operating Revenues			4
Forfeited Discounts (470)	33,181	49,731	5
Rents from Water Property (472)	25,414	23,486	6
Interdepartmental Rents (473)	0	0	7
Other Water Revenues (474)	109,665	91,399	8
Total Other Operating Revenues	**168,260**	**164,616**	9
Total Operating Revenues	**8,695,189**	**8,902,437**	10
Operation and Maintenenance Expenses			11
Source of Supply Expense (600-617)	8,980	10,598	12
Pumping Expenses (620-633)	715,736	790,237	13
Water Treatment Expenses (640-652)	1,132,143	1,147,358	14
Transmission and Distribution Expenses (660-678)	1,566,731	1,450,832	15
Customer Accounts Expenses (901-906)	257,777	252,495	16
Sales Expenses (910)	0	0	17
Administrative and General Expenses (920-932)	1,354,120	1,311,642	18
Total Operation and Maintenenance Expenses	**5,035,487**	**4,963,162**	19
Other Operating Expenses			20
Depreciation Expense (403)	1,509,380	1,416,027	21
Amortization Expense (404-407)			22
Taxes (408)	1,312,384	1,254,794	23
Total Other Operating Expenses	**2,821,764**	**2,670,821**	24
Total Operating Expenses	**7,857,251**	**7,633,983**	25
NET OPERATING INCOME	**837,938**	**1,268,454**	26

Water Operating Revenues - Sales of Water

- Å Where customer meters record cubic feet, multiply by 7.48 to obtain number of gallons.
- Å Report estimated gallons for unmetered sales.
- Å Sales to multiple dwelling buildings through a single meter serving 3 or more family units should be classified multifamily residential.
- Å Account 460, Unmetered Sales to General Customers - Gallons of Water Sold should not include in any way quantity of water, i.e. metered or measured by tank of pool volume. The quantity should be estimated based on size of pipe, flow, foot of frontage, etc. Bulk water sales should be Account 460 if the quantity is estimated and should be Account 461 if metered or measured by volume. Water related to construction should be a measured sale of water (Account 461).
- Å Report average number of individually-metered accounts (meters). The amount reported should be the average meter count. E.g. if a hospital has 5 meters, a total of 5 meters should be reported on this schedule in column b (Average No. of Customers).
- Å Do not include meters or revenue billed under Schedule Am-1 (Additional Meter Rental Charge) in Account 461. Record revenues billed under Schedule Am-1 in Account 474.

Description (a)	Average No. Customer (b)	Thousand of Gallons of Water Sold (c)	Amount (d)	
Unmetered Sales to General Customers (460)				1
Residential (460.1)				2
Commercial (460.2)				3
Industrial (460.3)				4
Public Authority (460.4)				5
Multifamily Residential (460.5)				6
Irrigation (460.6)				7
Total Unmetered Sales to General Customers (460)	**0**	**0**	**0**	8
Metered Sales to General Customers (461)				9
Residential (461.1)	17,054	750,506	2,385,619	10
Commercial (461.2)	1,304	212,468	509,281	11
Industrial (461.3)	155	2,141,580	3,460,392	12
Public Authority (461.4)	122	44,884	105,515	13
Multifamily Residential (461.5)	296	122,186	279,003	14
Irrigation (461.6)	0	0	0	15
Total Metered Sales to General Customers (461)	**18,931**	**3,271,624**	**6,739,810**	16
Private Fire Protection Service (462)	281	0	114,600	17
Public Fire Protection Service (463)	19,109	0	909,281	18
Other Water Sales (465)				19
Sales for Resale (466)	2	615,393	763,238	20
Interdepartmental Sales (467)				21
Total Sales of Water	**38,323**	**3,887,017**	**8,526,929**	22

Sales for Resale (Acct. 466)

Use a separate line for each delivery point.

Customer Name (a)	Point of Delivery (b)	Thousands of Gallons Sold (c)	Revenues (d)	
Kohler Municipal Water Utility	TAYLOR DR & ERIE AVE	232,755	274,048	1
Sheboygan Falls Utilities	TAYLOR DR & HWY 23	382,638	489,190	2
Total		**615,393**	**763,238**	3

Other Operating Revenues (Water)

- Report revenues relating to each account and fully describe each item using other than the account title.
- Report each item (when individually or when like items are combined) greater than $10,000 (class AB), $5,000 (class C) and $2,000 (class D and privates) and all other lesser amounts grouped as Miscellaneous.
- For a combined utility which also provides sewer service that is based upon water readings, report the return on net investment in meters charged to sewer department in Other Water Revenues (474).

Description (a)	Amount (b)	
Public Fire Protection Service (463)		1
Amount billed (usually per rate schedule F-1 or Fd-1)	909,281	2
Wholesale fire protection billed		3
Amount billed for fighting fires outside utility's service areas (usually per rate schedule F-2 or BW-1)		4
Total Public Fire Protection Service (463)	**909,281**	5
Forfeited Discounts (470)		6
Customer late payment charges	33,181	7
Total Forfeited Discounts (470)	**33,181**	8
Rents from Water Property (472)		9
Rent of tower for cellular antennas	25,414	10
Total Rents from Water Property (472)	**25,414**	11
Interdepartmental Rents (473)		12
None		13
Total Interdepartmental Rents (473)	**0**	14
Other Water Revenues (474)		15
Return on net investment in meters charged to sewer department	109,665	16
Total Other Water Revenues (474)	**109,665**	17

Other Operating Revenues (Water)

- Report revenues relating to each account and fully describe each item using other than the account title.
- Report each item (when individually or when like items are combined) greater than $10,000 (class AB), $5,000 (class C) and $2,000 (class D and privates) and all other lesser amounts grouped as Miscellaneous.
- For a combined utility which also provides sewer service that is based upon water readings, report the return on net investment in meters charged to sewer department in Other Water Revenues (474).

Other Operating Revenues (Water) (Page W-04)

Explain all amounts in Account 474 in excess of $10,000.

Revenue related to sewer only and sewer deduct charges, meter charges and tap charges. Also included is a settlement for the purchase of liquid alum in prior years.

Water Operation & Maintenance Expenses

- Å Each expense account that has a difference between This Year and Last Year greater than 15 percent and $10,000 (class AB), 15 percent and $5,000 (class C), 15 percent and $1,000 (class D) shall be fully explained. Please include breakdown of costs that contributed to the difference. Please reference the help document for more information.
- Å Class C and class D report all expenses in Other Expense (column c)

Description (a)	Labor Expense (b)	Other Expense (c)	Total This Year (d)	Last Year (e)	
SOURCE OF SUPPLY EXPENSES					1
Operation Supervision and Engineering (600)			0	0	2
Operation Labor and Expenses (601)			0	0	3
Purchased Water (602)			0	0	4
Miscellaneous Expenses (603)			0	0	5
Rents (604)			0	0	6
Maintenance Supervision and Engineering (610)			0	0	7
Maintenance of Structures and Improvements (611)			0	0	8
Maintenance of Collecting and Impounding Reservoirs (612)			0	0	9
Maintenance of Lake, River and Other Intakes (613)		8,980	8,980	10,598	10
Maintenance of Wells and Springs (614)			0	0	11
Maintenance of Supply Mains (616)			0	0	12
Maintenance of Miscellaneous Water Source Plant (617)			0	0	13
Total Source of Supply Expenses	**0**	**8,980**	**8,980**	**10,598**	14
PUMPING EXPENSES					15
Operation Supervision and Engineering (620)	36,373		36,373	35,500	16
Fuel for Power Production (621)			0	0	17
Power Production Labor and Expenses (622)			0	0	18
Fuel or Power Purchased for Pumping (623)		422,526	422,526	475,224	19
Pumping Labor and Expenses (624)			0	0	20
Expenses Transferred--Credit (625)			0	0	21
Miscellaneous Expenses (626)	4,893	99,316	104,209	79,428 *	22
Rents (627)			0	0	23
Maintenance Supervision and Engineering (630)	11,125		11,125	11,719	24
Maintenance of Structures and Improvements (631)	134,733	701	135,434	157,910	25
Maintenance of Power Production Equipment (632)			0	0	26
Maintenance of Pumping Equipment (633)	3,333	2,736	6,069	30,456 *	27
Total Pumping Expenses	**190,457**	**525,279**	**715,736**	**790,237**	28
WATER TREATMENT EXPENSES					29
Operation Supervision and Engineering (640)	32,616	650	33,266	27,159	30
Chemicals (641)		239,797	239,797	249,225	31
Operation Labor and Expenses (642)	466,534	301,414	767,948	743,508	32
Miscellaneous Expenses (643)	4,398	13,458	17,856	24,571	33
Rents (644)			0	0	34
Maintenance Supervision and Engineering (650)			0	0	35
Maintenance of Structures and Improvements (651)	45,981	11,495	57,476	75,352 *	36
Maintenance of Water Treatment Equipment (652)	9,844	5,956	15,800	27,543 *	37
Total Water Treatment Expenses	**559,373**	**572,770**	**1,132,143**	**1,147,358**	38
TRANSMISSION AND DISTRIBUTION EXPENSES					39
Operation Supervision and Engineering (660)	40,017		40,017	51,660 *	40

Water Operation & Maintenance Expenses

- Å Each expense account that has a difference between This Year and Last Year greater than 15 percent and $10,000 (class AB), 15 percent and $5,000 (class C), 15 percent and $1,000 (class D) shall be fully explained. Please include breakdown of costs that contributed to the difference. Please reference the help document for more information.
- Å Class C and class D report all expenses in Other Expense (column c)

Description (a)	Labor Expense (b)	Other Expense (c)	Total This Year (d)	Last Year (e)		
Storage Facilities Expenses (661)	6,822	15,737	22,559	36,356	*	41
Transmission and Distribution Lines Expenses (662)	117,115	22,411	139,526	100,768	*	42
Meter Expenses (663)	28,805	2,614	31,419	27,325		43
Customer Installations Expenses (664)	3,827	202,444	206,271	122,857	*	44
Miscellaneous Expenses (665)	109,534	31,763	141,297	162,388		45
Rents (666)			0	0		46
Maintenance Supervision and Engineering (670)			0	0		47
Maintenance of Structures and Improvements (671)	60,417	1,711	62,128	87,435	*	48
Maintenance of Distribution Reservoirs and Standpipes (672)	621	624,362	624,983	569,505		49
Maintenance of Transmission and Distribution Mains (673)	147,277	122,548	269,825	240,751		50
Maintenance of Services (675)	1,105	412	1,517	2,441		51
Maintenance of Meters (676)	17,690	4,718	22,408	11,265	*	52
Maintenance of Hydrants (677)	1,455	3,326	4,781	38,081	*	53
Maintenance of Miscellaneous Plant (678)			0	0		54
Total Transmission and Distribution Expenses	**534,685**	**1,032,046**	**1,566,731**	**1,450,832**		55
CUSTOMER ACCOUNTS EXPENSES						56
Supervision (901)	38,416		38,416	29,190		57
Meter Reading Expenses (902)	21,453	5,283	26,736	27,053		58
Customer Records and Collection Expenses (903)	138,381	51,934	190,315	191,254		59
Uncollectible Accounts (904)		2,310	2,310	4,998		60
Miscellaneous Customer Accounts Expenses (905)			0	0		61
Customer Service and Informational Expenses (906)			0	0		62
Total Customer Accounts Expenses	**198,250**	**59,527**	**257,777**	**252,495**		63
SALES EXPENSES						64
Sales Expenses (910)			0	0		65
Total Sales Expenses	**0**	**0**	**0**	**0**		66
ADMINISTRATIVE AND GENERAL EXPENSES						67
Administrative and General Salaries (920)	234,219		234,219	211,674		68
Office Supplies and Expenses (921)		25,390	25,390	14,205	*	69
Administrative Expenses Transferred--Credit (922)			0	0		70
Outside Services Employed (923)		35,393	35,393	21,730	*	71
Property Insurance (924)		46,587	46,587	43,239		72
Injuries and Damages (925)		42,459	42,459	41,131		73
Employee Pensions and Benefits (926)		905,203	905,203	903,989		74
Regulatory Commission Expenses (928)		14,679	14,679	18,181		75
Duplicate Charges--Credit (929)			0	0		76
Miscellaneous General Expenses (930)	3,698	24,868	28,566	46,292	*	77
Rents (931)			0	0		78
Maintenance of General Plant (932)		21,624	21,624	11,201	*	79
Total Administrative and General Expenses	**237,917**	**1,116,203**	**1,354,120**	**1,311,642**		80

Water Operation & Maintenance Expenses

- Å Each expense account that has a difference between This Year and Last Year greater than 15 percent and $10,000 (class AB), 15 percent and $5,000 (class C), 15 percent and $1,000 (class D) shall be fully explained. Please include breakdown of costs that contributed to the difference. Please reference the help document for more information.
- Å Class C and class D report all expenses in Other Expense (column c)

Description (a)	Labor Expense (b)	Other Expense (c)	Total This Year (d)	Last Year (e)	
TOTAL OPERATION AND MAINTENANCE EXPENSES	**1,720,682**	**3,314,805**	**5,035,487**	**4,963,162**	81

Water Operation & Maintenance Expenses

- Each expense account that has a difference between This Year and Last Year greater than 15 percent and $10,000 (class AB), 15 percent and $5,000 (class C), 15 percent and $1,000 (class D) shall be fully explained. Please include breakdown of costs that contributed to the difference. Please reference the help document for more information.
- Class C and class D report all expenses in Other Expense (column c)

Water Operation & Maintenance Expenses (Page W-05)

Explain all This Year amounts that are more than 15% and $10,000 higher or lower than the Last Year amount. Please see the help document for examples.

Acct 626 - increase in 2020 due to water system capacity study payment.
Acct 633 - decrease in 2020 due to pump work at Erie Ave and high lifts in 2019.
Acct 651 - decrease in 2020 due to maintenance in south basin and filters 10 and 11 in 2019.
Acct 652 - decrease in 2020 due to chemical feed upgrades in 2019.
Acct 660 - decrease in 2020 due to overlap of supervision before key retirement late 2019.
Acct 661 - decrease in 2020 due to electrical connection costs for new elevated tower at Horizon Drive in 2019.
Acct 662 - increase in 2020 due to COVID leave costs charged to cost center rather than specific O&M jobs.
Acct 664 - increase in 2020 due to costs for customer installation for new lead service lateral replacement program.
Acct 671 - decrease in 2020 due to overhead door maintenance at Park Ave garage in 2019.
Acct 676 - increase in 2020 due to meter maintenance as meter change out program resumed.
Acct 677 - decrease in 2020 due to no hydrant painting in 2020 due to COVID.
Acct 921 - increase in 2020 due to purchase of additional office supplies to support work from home due to COVID.
Acct 923 - increase in 2020 due to costs for issuance of Bond Anticipation Note as interim financing of the raw water improvement project.
Acct 928 - increase in 2020 due to rate case and lead service lateral program submitted to the PSC.
Acct 930 - decrease in 2020 due to no in person employee development due to COVID.
Acct 932 - increase in 2020 due to remodel and upgrade of office restrooms.

General Footnote

Due to the COVID-19 pandemic, Sheboygan Water Utility postponed non-essential maintenance work into 2021.

Taxes (Acct. 408 - Water)

When allocation of taxes is made between departments, explain method used.

	Description of Tax (a)	This Year (b)	Last Year (c)	
	Property Tax Equivalent	1,215,295	1,200,629	1
	Less: Local and School Tax Equivalent on Meters Charged to Sewer Department	36,786	76,521	2
Net Property Tax Equivalent		**1,178,509**	**1,124,108**	3
	Social Security	124,424	121,189	4
	PSC Remainder Assessment	9,399	9,445	5
	Town of Sheboygan Property Tax	52	52	6
Total Tax Expense		**1,312,384**	**1,254,794**	7

Water Property Tax Equivalent - Detail

- No property tax equivalent shall be determined for sewer utilities or town sanitary district water utilities.
- Tax rates are those issued in November (usually) of the year being reported and are available from the municipal treasurer. Report the tax rates in mills to six (6) decimal places.
- The assessment ratio is available from the municipal treasurer. Report the ratio as a decimal to six (6) places.
- The utility plant balance first of year should include the gross book values of plant in service (total of utility financed and contributed plant), property held for future use and construction work in progress.
- An "other tax rate" is included in the "Net Local and School Tax Rate Calculation" to the extent that it is local. An example is a local library tax. Fully explain the rate in the Property Tax Equivalent schedule footnotes.
- **Property Tax Equivalent - Total**
  If the municipality has authorized a lower tax equivalent amount, the authorization description and date of the authorization must be reported in the schedule footnotes. If the municipality has NOT authorized a lower amount, leave the cell blank.

COUNTY: SHEBOYGAN(1)

SUMMARY OF TAX RATES		
1. State Tax Rate	mills	0.000000
2. County Tax Rate	mills	6.017395
3. Local Tax Rate	mills	10.335031
4. School Tax Rate	mills	11.337733
5. Vocational School Tax Rate	mills	0.970936
6. Other Tax Rate - Local	mills	0.000000
7. Other Tax Rate - Non-Local	mills	0.000000
8. Total Tax Rate	mills	**28.661095**
9. Less: State Credit	mills	1.834140
11. Net Tax Rate	mills	**26.826955**

PROPERTY TAX EQUIVALENT CALCULATION		
12. Local Tax Rate	mills	**10.335031**
13. Combined School Tax Rate	mills	**12.308669**
14. Other Tax Rate - Local	mills	**0.000000**
15. Total Local & School Tax Rate	mills	**22.643700**
16. Total Tax Rate	mills	**28.661095**
17. Ratio of Local and School Tax to Total	dec.	**0.790050**
18. Total Tax Net of State Credit	mills	**26.826955**
19. Net Local and School Tax Rate	mills	**21.194638**
20. Utility Plant, Jan 1	$	72,655,004
21. Materials & Supplies	$	270,831
22. Subtotal	$	**72,925,835**
23. Less: Plant Outside Limits	$	2,204,368
24. Taxable Assets	$	**70,721,467**
25. Assessment Ratio	dec.	0.810783
26. Assessed Value	$	**57,339,763**
27. Net Local and School Tax Rate	mills	**21.194638**
28. Tax Equiv. Computed for Current Year	$	**1,215,295**

PROPERTY TAX EQUIVALENT - TOTAL

PROPERTY TAX EQUIVALENT CALCULATION		
1. Utility Plant, Jan 1	$	72,655,004
2. Materials & Supplies	$	270,831
3. Subtotal	$	**72,925,835**
4. Less: Plant Outside Limits	$	2,204,368
5. Taxable Assets	$	**70,721,467**
6. Assessed Value	$	**57,339,763**
7. Tax Equiv. Computed for Current Year	$	**1,215,295**
8. Tax Equivalent per 1994 PSC Report	$	560,533
9. Amount of Lower Tax Equiv. as Authorized by Municipality for Current Year (see notes)	$	
10. Tax Equivalent for Current Year (see notes)	**$**	**1,215,295**

Water Utility Plant in Service - Plant Financed by Utility or Municipality

- All adjustments, corrections and reclassifications (including to/from plant financed by contributions) should be reported in Column (e), Adjustments.
- Explain fully as a footnote the nature of all entries reported in Column (e), Adjustments.
- For each account over $50,000 (class AB) or $25,000 (class C) or $10,000 (class D), explain in the footnotes section the dollar additions and retirements. If applicable, the footnotes should cite construction authorization, complete with PSC docket number.
- Use only the account titles listed. If the utility has subaccounts other than accounts 391.1 and 397.1, combine them into one total and detail by subaccount as a schedule footnote.
- The treatment plant accounts have changed since 2008 and that they should confirm the dollar amounts are in the right account.
- PSC Uniform System of Accounts

Accounts (a)	Balance First of Year (b)	Additions During Year (c)	Retirements During Year (d)	Adjustments Increase or (Decrease) (e)	Balance End of Year (f)	
INTANGIBLE PLANT						1
Organization (301)	0				**0**	2
Franchises and Consents (302)	0				**0**	3
Miscellaneous Intangible Plant (303)	0				**0**	4
Total Intangible Plant	**0**	**0**	**0**	**0**	**0**	5
SOURCE OF SUPPLY PLANT						6
Land and Land Rights (310)	0				**0**	7
Structures and Improvements (311)	0				**0**	8
Collecting and Impounding Reservoirs (312)	0				**0**	9
Lake, River and Other Intakes (313)	627,615				**627,615**	10
Wells and Springs (314)	0				**0**	11
Supply Mains (316)	0				**0**	12
Other Water Source Plant (317)	0				**0**	13
Total Source of Supply Plant	**627,615**	**0**	**0**	**0**	**627,615**	14
PUMPING PLANT						15
Land and Land Rights (320)	2,475				**2,475**	16
Structures and Improvements (321)	2,633,461				**2,633,461**	17
Other Power Production Equipment (323)	529,348	23,902			**553,250**	18
Electric Pumping Equipment (325)	2,457,021	54,837			**2,511,858** *	19
Diesel Pumping Equipment (326)	0				**0**	20
Other Pumping Equipment (328)	653,951				**653,951**	21
Total Pumping Plant	**6,276,256**	**78,739**	**0**	**0**	**6,354,995**	22
WATER TREATMENT PLANT						23
Land and Land Rights (330)	13,330				**13,330**	24
Structures and Improvements (331)	4,994,111				**4,994,111**	25
Sand or Other Media Filtration Equipment (332)	6,118,942	88,313			**6,207,255** *	26
Membrane Filtration Equipment (333)	0				**0**	27
Other Water Treatment Equipment (334)	1,688,611				**1,688,611**	28
Total Water Treatment Plant	**12,814,994**	**88,313**	**0**	**0**	**12,903,307**	29
TRANSMISSION AND DISTRIBUTION PLANT						30
Land and Land Rights (340)	359,433				**359,433**	31
Structures and Improvements (341)	759,586	88,854	19,704		**828,736** *	32
Distribution Reservoirs and Standpipes (342)	6,672,505				**6,672,505**	33
Transmission and Distribution Mains (343)	28,833,538	1,701,778	29,755		**30,505,561** *	34
Services (345)	0				**0**	35
Meters (346)	4,448,581	139,721	43,423		**4,544,879** *	36

Water Utility Plant in Service - Plant Financed by Utility or Municipality

- All adjustments, corrections and reclassifications (including to/from plant financed by contributions) should be reported in Column (e), Adjustments.
- Explain fully as a footnote the nature of all entries reported in Column (e), Adjustments.
- For each account over $50,000 (class AB) or $25,000 (class C) or $10,000 (class D), explain in the footnotes section the dollar additions and retirements. If applicable, the footnotes should cite construction authorization, complete with PSC docket number.
- Use only the account titles listed. If the utility has subaccounts other than accounts 391.1 and 397.1, combine them into one total and detail by subaccount as a schedule footnote.
- The treatment plant accounts have changed since 2008 and that they should confirm the dollar amounts are in the right account.
- PSC Uniform System of Accounts

Accounts (a)	Balance First of Year (b)	Additions During Year (c)	Retirements During Year (d)	Adjustments Increase or (Decrease) (e)	Balance End of Year (f)		
Hydrants (348)	2,341,789	78,039	15,300		**2,404,528**	*	37
Other Transmission and Distribution Plant (349)	0				**0**		38
Total Transmission and Distribution Plant	**43,415,432**	**2,008,392**	**108,182**	**0**	**45,315,642**		39
GENERAL PLANT							40
Land and Land Rights (389)	0				**0**		41
Structures and Improvements (390)	588,199				**588,199**		42
Office Furniture and Equipment (391)	76,171	1,988	544		**77,615**		43
Computer Equipment (391.1)	277,067	26,382	68,381		**235,068**	*	44
Transportation Equipment (392)	540,382	38,120	17,393		**561,109**		45
Stores Equipment (393)	0				**0**		46
Tools, Shop and Garage Equipment (394)	206,850	73,693	1,233		**279,310**	*	47
Laboratory Equipment (395)	25,772	5,937			**31,709**		48
Power Operated Equipment (396)	462,811	1,063			**463,874**		49
Communication Equipment (397)	60,501				**60,501**		50
SCADA Equipment (397.1)	578,008				**578,008**		51
Miscellaneous Equipment (398)	0				**0**		52
Total General Plant	**2,815,761**	**147,183**	**87,551**	**0**	**2,875,393**		53
Total utility plant in service directly assignable	**65,950,058**	**2,322,627**	**195,733**	**0**	**68,076,952**		54
Common Utility Plant Allocated to Water Department	0				**0**		55
TOTAL UTILITY PLANT IN SERVICE	**65,950,058**	**2,322,627**	**195,733**	**0**	**68,076,952**		56

Water Utility Plant in Service - Plant Financed by Utility or Municipality

- All adjustments, corrections and reclassifications (including to/from plant financed by contributions) should be reported in Column (e), Adjustments.
- Explain fully as a footnote the nature of all entries reported in Column (e), Adjustments.
- For each account over $50,000 (class AB) or $25,000 (class C) or $10,000 (class D), explain in the footnotes section the dollar additions and retirements. If applicable, the footnotes should cite construction authorization, complete with PSC docket number.
- Use only the account titles listed. If the utility has subaccounts other than accounts 391.1 and 397.1, combine them into one total and detail by subaccount as a schedule footnote.
- The treatment plant accounts have changed since 2008 and that they should confirm the dollar amounts are in the right account.
- PSC Uniform System of Accounts

Water Utility Plant in Service - Plant Financed by Utility or Municipality (Page W-08)

Additions for one or more accounts exceed $50,000, please explain. If applicable, provide construction authorization and PSC docket number.

Acct 325 - additions include pumping equipment actuator for high lift #5.
Acct 332 - additions include clearwell extension slide gate.
Acct 341 - additions include construction maintenance garage solar roof panels and meter shop remodeling.
Acct 343 - additions include water main projects at Michigan Ave, Illinois Ave, Geele Ave, and Niagara Ave.
Acct 346 - additions include new meter installations and radio read equipment at various locations.
Acct 348 - additions include new hydrant installations at water main projects and other various locations.
Acct 394 - additions include a leak detection unit, vacuum unit, and trailer.

Retirements for one or more accounts exceed $50,000, please explain.

Acct 391 - retirements of various outdated computer equipment and programs including laptops, desktops, and databases.

Water Utility Plant in Service - Plant Financed by Contributions

- All adjustments, corrections and reclassifications (including to/from plant financed by contributions) should be reported in Column (e), Adjustments.
- Explain fully as a footnote the nature of all entries reported in Column (e), Adjustments.
- For each account over $50,000 (class AB) or $25,000 (class C) or $10,000 (class D), explain in the footnotes section the dollar additions and retirements. If applicable, the footnotes should cite construction authorization, complete with PSC docket number.
- Use only the account titles listed. If the utility has subaccounts other than accounts 391.1 and 397.1, combine them into one total and detail by subaccount as a schedule footnote.
- The treatment plant accounts have changed since 2008 and that they should confirm the dollar amounts are in the right account.
- PSC Uniform System of Accounts

Accounts (a)	Balance First of Year (b)	Additions During Year (c)	Retirements During Year (d)	Adjustments Increase or (Decrease) (e)	Balance End of Year (f)	
INTANGIBLE PLANT						1
Organization (301)	0				**0**	2
Franchises and Consents (302)	0				**0**	3
Miscellaneous Intangible Plant (303)	0				**0**	4
Total Intangible Plant	**0**	**0**	**0**	**0**	**0**	5
SOURCE OF SUPPLY PLANT						6
Land and Land Rights (310)	0				**0**	7
Structures and Improvements (311)	0				**0**	8
Collecting and Impounding Reservoirs (312)	0				**0**	9
Lake, River and Other Intakes (313)	0				**0**	10
Wells and Springs (314)	0				**0**	11
Supply Mains (316)	0				**0**	12
Other Water Source Plant (317)	0				**0**	13
Total Source of Supply Plant	**0**	**0**	**0**	**0**	**0**	14
PUMPING PLANT						15
Land and Land Rights (320)	0				**0**	16
Structures and Improvements (321)	0				**0**	17
Other Power Production Equipment (323)	0				**0**	18
Electric Pumping Equipment (325)	0				**0**	19
Diesel Pumping Equipment (326)	0				**0**	20
Other Pumping Equipment (328)	0				**0**	21
Total Pumping Plant	**0**	**0**	**0**	**0**	**0**	22
WATER TREATMENT PLANT						23
Land and Land Rights (330)	0				**0**	24
Structures and Improvements (331)	298,865				**298,865**	25
Sand or Other Media Filtration Equipment (332)	295,357			(201,135)	**94,222**	26
Membrane Filtration Equipment (333)	0				**0**	27
Other Water Treatment Equipment (334)	0			201,135	**201,135**	28
Total Water Treatment Plant	**594,222**	**0**	**0**	**0**	**594,222**	29
TRANSMISSION AND DISTRIBUTION PLANT						30
Land and Land Rights (340)	0				**0**	31
Structures and Improvements (341)	0				**0**	32
Distribution Reservoirs and Standpipes (342)	0				**0**	33
Transmission and Distribution Mains (343)	5,404,183				**5,404,183**	34
Services (345)	0				**0**	35
Meters (346)	0				**0**	36

Water Utility Plant in Service - Plant Financed by Contributions

- All adjustments, corrections and reclassifications (including to/from plant financed by contributions) should be reported in Column (e), Adjustments.
- Explain fully as a footnote the nature of all entries reported in Column (e), Adjustments.
- For each account over $50,000 (class AB) or $25,000 (class C) or $10,000 (class D), explain in the footnotes section the dollar additions and retirements. If applicable, the footnotes should cite construction authorization, complete with PSC docket number.
- Use only the account titles listed. If the utility has subaccounts other than accounts 391.1 and 397.1, combine them into one total and detail by subaccount as a schedule footnote.
- The treatment plant accounts have changed since 2008 and that they should confirm the dollar amounts are in the right account.
- PSC Uniform System of Accounts

Accounts (a)	Balance First of Year (b)	Additions During Year (c)	Retirements During Year (d)	Adjustments Increase or (Decrease) (e)	Balance End of Year (f)	
Hydrants (348)	397,536				**397,536**	37
Other Transmission and Distribution Plant (349)	0				**0**	38
Total Transmission and Distribution Plant	**5,801,719**	**0**	**0**	**0**	**5,801,719**	39
GENERAL PLANT						40
Land and Land Rights (389)	0				**0**	41
Structures and Improvements (390)	0				**0**	42
Office Furniture and Equipment (391)	0				**0**	43
Computer Equipment (391.1)	0				**0**	44
Transportation Equipment (392)	0				**0**	45
Stores Equipment (393)	0				**0**	46
Tools, Shop and Garage Equipment (394)	0				**0**	47
Laboratory Equipment (395)	0				**0**	48
Power Operated Equipment (396)	0				**0**	49
Communication Equipment (397)	0				**0**	50
SCADA Equipment (397.1)	0				**0**	51
Miscellaneous Equipment (398)	0				**0**	52
Total General Plant	**0**	**0**	**0**	**0**	**0**	53
Total utility plant in service directly assignable	**6,395,941**	**0**	**0**	**0**	**6,395,941**	54
Common Utility Plant Allocated to Water Department	0				**0**	55
TOTAL UTILITY PLANT IN SERVICE	**6,395,941**	**0**	**0**	**0**	**6,395,941**	56

Water Accumulated Provision for Depreciation - Plant Financed by Utility or Municipality

- Use only the account titles listed. If the utility has subaccounts other than accounts 391.1 and 397.1, combine them into one total and detail by subaccount in a schedule footnote.
- If more than one depreciation rate is used, report the average rate in column (c).
- Enter depreciation rates in decimal form. For example, enter 6.75% as 0.0675

Primary Plant Accounts (a)	Balance First of Year (b)	Rate % Used (c)	Accruals During Year (d)	Book Cost of Plant Retired (e)	Cost of Removal (f)	Salvage (g)	Adjustments Increase or (Decrease) (h)	Balance End of Year (i)	
SOURCE OF SUPPLY PLANT									1
Structures and Improvements (311)	0							**0**	2
Collecting and Impounding Reservoirs (312)	0							**0**	3
Lake, River and Other Intakes (313)	453,896	1.70%	10,669					**464,565**	4
Wells and Springs (314)	0							**0**	5
Supply Mains (316)	0							**0**	6
Other Water Source Plant (317)	0							**0**	7
Total Source of Supply Plant	**453,896**		**10,669**	**0**	**0**	**0**	**0**	**464,565**	8
PUMPING PLANT									9
Structures and Improvements (321)	925,732	3.20%	84,271					**1,010,003**	10
Other Power Production Equipment (323)	153,727	4.40%	23,817					**177,544**	11
Electric Pumping Equipment (325)	1,617,445	4.40%	109,315					**1,726,760**	12
Diesel Pumping Equipment (326)	0							**0**	13
Other Pumping Equipment (328)	653,951	4.40%						**653,951**	14
Total Pumping Plant	**3,350,855**		**217,403**	**0**	**0**	**0**	**0**	**3,568,258**	15
WATER TREATMENT PLANT									16
Structures and Improvements (331)	2,248,143	3.20%	159,812					**2,407,955**	17
Sand or Other Media Filtration Equipment (332)	2,621,606	3.30%	203,382					**2,824,988**	18
Membrane Filtration Equipment (333)	0							**0**	19
Other Water Treatment Equipment (334)	386,103	6.00%	101,317					**487,420**	20
Total Water Treatment Plant	**5,255,852**		**464,511**	**0**	**0**	**0**	**0**	**5,720,363**	21
TRANSMISSION AND DISTRIBUTION PLANT									22
Structures and Improvements (341)	561,140	3.20%	28,101	19,704				**569,537**	23
Distribution Reservoirs and Standpipes (342)	1,592,586	1.90%	126,778					**1,719,364**	24
Transmission and Distribution Mains (343)	5,394,874	1.30%	368,093	29,755				**5,733,212**	25
Services (345)	0							**0**	26
Meters (346)	2,143,503	5.50%	247,320	43,423				**2,347,400**	27

Water Accumulated Provision for Depreciation - Plant Financed by Utility or Municipality

- Use only the account titles listed. If the utility has subaccounts other than accounts 391.1 and 397.1, combine them into one total and detail by subaccount in a schedule footnote.
- If more than one depreciation rate is used, report the average rate in column (c).
- Enter depreciation rates in decimal form. For example, enter 6.75% as 0.0675

Primary Plant Accounts (a)	Balance First of Year (b)	Rate % Used (c)	Accruals During Year (d)	Book Cost of Plant Retired (e)	Cost of Removal (f)	Salvage (g)	Adjustments Increase or (Decrease) (h)	Balance End of Year (i)	
Hydrants (348)	620,153	2.20%	48,108	15,300				**652,961**	28
Other Transmission and Distribution Plant (349)	0							**0**	29
Total Transmission and Distribution Plant	**10,312,256**		**818,400**	**108,182**	**0**	**0**	**0**	**11,022,474**	30
GENERAL PLANT									31
Structures and Improvements (390)	323,675	2.90%	16,768					**340,443**	32
Office Furniture and Equipment (391)	20,460	5.80%	4,460	544				**24,376**	33
Computer Equipment (391.1)	252,255	26.70%	15,867	68,381				**199,741**	34
Transportation Equipment (392)	478,912	13.30%	73,249	17,393				**534,768**	35
Stores Equipment (393)	0							**0**	36
Tools, Shop and Garage Equipment (394)	199,748	5.80%	14,099	1,233				**212,614**	37
Laboratory Equipment (395)	18,279	5.80%	1,667					**19,946**	38
Power Operated Equipment (396)	188,796	7.50%	34,751					**223,547**	39
Communication Equipment (397)	33,300	15.00%	9,076					**42,376**	40
SCADA Equipment (397.1)	467,749	9.20%	53,177					**520,926**	41
Miscellaneous Equipment (398)	0							**0**	42
Total General Plant	**1,983,174**		**223,114**	**87,551**	**0**	**0**	**0**	**2,118,737**	43
Total accum. prov. directly assignable	**21,356,033**		**1,734,097**	**195,733**	**0**	**0**	**0**	**22,894,397**	44
Common Utility Plant Allocated to Water Department	0							**0**	45
TOTAL ACCUM, PROV, FOR DEPRECIATION	**21,356,033**		**1,734,097**	**195,733**	**0**	**0**	**0**	**22,894,397**	46

Water Accumulated Provision for Depreciation - Plant Financed by Contributions

- Use only the account titles listed. If the utility has subaccounts other than accounts 391.1 and 397.1, combine them into one total and detail by subaccount in a schedule footnote.
- If more than one depreciation rate is used, report the average rate in column (c).
- Enter depreciation rates in decimal form. For example, enter 6.75% as 0.0675

Primary Plant Accounts (a)	Balance First of Year (b)	Rate % Used (c)	Accruals During Year (d)	Book Cost of Plant Retired (e)	Cost of Removal (f)	Salvage (g)	Adjustments Increase or (Decrease) (h)	Balance End of Year (i)	
SOURCE OF SUPPLY PLANT									1
Structures and Improvements (311)	0							**0**	2
Collecting and Impounding Reservoirs (312)	0							**0**	3
Lake, River and Other Intakes (313)	0							**0**	4
Wells and Springs (314)	0							**0**	5
Supply Mains (316)	0							**0**	6
Other Water Source Plant (317)	0							**0**	7
Total Source of Supply Plant	**0**		**0**	**0**	**0**	**0**	**0**	**0**	8
PUMPING PLANT									9
Structures and Improvements (321)	0							**0**	10
Other Power Production Equipment (323)	0							**0**	11
Electric Pumping Equipment (325)	0							**0**	12
Diesel Pumping Equipment (326)	0							**0**	13
Other Pumping Equipment (328)	0							**0**	14
Total Pumping Plant	**0**		**0**	**0**	**0**	**0**	**0**	**0**	15
WATER TREATMENT PLANT									16
Structures and Improvements (331)	23,910	3.20%	9,564					**33,474**	17
Sand or Other Media Filtration Equipment (332)	141,351	3.30%	17,721				(64,852)	**94,220** *	18
Membrane Filtration Equipment (333)	0							**0**	19
Other Water Treatment Equipment (334)	0	6.00%					64,852	**64,852** *	20
Total Water Treatment Plant	**165,261**		**27,285**	**0**	**0**	**0**	**0**	**192,546**	21
TRANSMISSION AND DISTRIBUTION PLANT									22
Structures and Improvements (341)	0							**0**	23
Distribution Reservoirs and Standpipes (342)	0							**0**	24
Transmission and Distribution Mains (343)	1,288,322	1.30%	87,865					**1,376,187**	25
Services (345)	0							**0**	26
Meters (346)	0							**0**	27

Water Accumulated Provision for Depreciation - Plant Financed by Contributions

- Use only the account titles listed. If the utility has subaccounts other than accounts 391.1 and 397.1, combine them into one total and detail by subaccount in a schedule footnote.
- If more than one depreciation rate is used, report the average rate in column (c).
- Enter depreciation rates in decimal form. For example, enter 6.75% as 0.0675

Primary Plant Accounts (a)	Balance First of Year (b)	Rate % Used (c)	Accruals During Year (d)	Book Cost of Plant Retired (e)	Cost of Removal (f)	Salvage (g)	Adjustments Increase or (Decrease) (h)	Balance End of Year (i)	
Hydrants (348)	215,842	2.00%	12,847					**228,689**	28
Other Transmission and Distribution Plant (349)	0							**0**	29
Total Transmission and Distribution Plant	**1,504,164**		**100,712**	**0**	**0**	**0**	**0**	**1,604,876**	30
GENERAL PLANT									31
Structures and Improvements (390)	0							**0**	32
Office Furniture and Equipment (391)	0							**0**	33
Computer Equipment (391.1)	0							**0**	34
Transportation Equipment (392)	0							**0**	35
Stores Equipment (393)	0							**0**	36
Tools, Shop and Garage Equipment (394)	0							**0**	37
Laboratory Equipment (395)	0							**0**	38
Power Operated Equipment (396)	0							**0**	39
Communication Equipment (397)	0							**0**	40
SCADA Equipment (397.1)	0							**0**	41
Miscellaneous Equipment (398)	0							**0**	42
Total General Plant	**0**		**0**	**0**	**0**	**0**	**0**	**0**	43
Total accum. prov. directly assignable	**1,669,425**		**127,997**	**0**	**0**	**0**	**0**	**1,797,422**	44
Common Utility Plant Allocated to Water Department	0							**0**	45
TOTAL ACCUM, PROV, FOR DEPRECIATION	**1,669,425**		**127,997**	**0**	**0**	**0**	**0**	**1,797,422**	46

Water Accumulated Provision for Depreciation - Plant Financed by Contributions

- Use only the account titles listed. If the utility has subaccounts other than accounts 391.1 and 397.1, combine them into one total and detail by subaccount in a schedule footnote.
- If more than one depreciation rate is used, report the average rate in column (c).
- Enter depreciation rates in decimal form. For example, enter 6.75% as 0.0675

Water Accumulated Provision for Depreciation - Plant Financed by Contributions (Page W-12)

Adjustments are nonzero for one or more accounts, please explain.

Adjustment is due to the reclassification of depreciation amount to the correct plant depreciation account.

Age of Water Mains

- If asset management, capital improvement, or other infrastructure-related documents are not available, the utility should consult other potential sources of information: the year the utility was formed, year of initial build-out area, year in which new developments, subdivisions, etc. were added. This information can be used to develop estimated figures.
- If pipe diameter value is between those offered in the column, choose the diameter that is closest to the actual value.
- Report all pipe larger than 72òin diameter in the 72òcategory.

	Feet of Main											
Pipe Size (a)	pre-1900 (b)	1901-1920 (c)	1920-1940 (d)	1941-1960 (e)	1961-1970 (f)	1971-1980 (g)	1981-1990 (h)	1991-2000 (i)	2001-2010 (j)	2011-2020 (k)	Total (l)	
1.000					204						**204**	1
1.250		185	203								**388**	2
1.500				140	45						**185**	3
2.000		85									**85**	4
3.000		250									**250**	5
4.000	2,356	16,936	2,679	348	650	1,706				83	**24,758**	6
6.000	55,893	73,407	116,206	79,863	80,197	25,786	4,566	7,252	401	1,380	**444,951**	7
8.000	10,747	14,946	16,482	8,826	17,290	25,028	34,128	34,059	8,242	7,400	**177,148**	8
10.000	7,001	7,316	6,369	9,941	7,067	532	398			4	**38,628**	9
12.000	12,020	19,509	19,007	23,511	26,072	26,284	40,773	26,947	20,003	21,558	**235,684**	10
14.000			5,639								**5,639**	11
16.000	6,351	8,852	3,110	6,226	3,579	6,070	5,814	11,190	11,185	17,549	**79,926**	12
18.000	470					2,658					**3,128**	13
20.000		9,058		3,778				2,905	2,512	15,222	**33,475**	14
24.000						8,466		5,468	9,404	4,267	**27,605**	15
30.000			8,971		7,263	1,191			5,582		**23,007**	16
36.000							678				**678**	17
Total	**94,838**	**150,544**	**178,666**	**132,633**	**142,367**	**97,721**	**86,357**	**87,821**	**57,329**	**67,463**	**1,095,739**	18

Describe source of information used to develop data:
Electronic database using mapping software and systems.

Sources of Water Supply - Statistics

- Å For Raw Water Withdrawn, use metered volume of untreated water withdrawn from the source.
- Å For Finished Water Pumped, use metered volume of water pumped, adjusted for known meter errors. Describe known meter errors in Notes Section.
- Å If Finished Water is not metered, use Raw Water Withdrawn and subtract estimated water used in treatment.

	Sources of Water Supply (000's gal)						Total Gallons	
	Raw Water Withdrawn		Finished Water Pumped		Purchased Water (Imported)		Entering Distribution	
Month (a)	Ground Water (b)	Surface Water (c)	Ground Water (d)	Surface Water (e)	Ground Water (f)	Surface Water (g)	System (h)	
January		375,358		372,676			**372,676**	1
February		347,084		345,166			**345,166**	2
March		346,655		343,872			**343,872**	3
April		245,025		243,322			**243,322**	4
May		287,495		285,073			**285,073**	5
June		369,230		364,889			**364,889**	6
July		407,995		407,812			**407,812**	7
August		437,778		438,233			**438,233**	8
September		397,940		396,978			**396,978**	9
October		372,268		372,106			**372,106**	10
November		349,851		343,915			**343,915**	11
December		334,920		331,982			**331,982**	12
TOTAL	**0**	**4,271,599**	**0**	**4,246,024**	**0**	**0**	**4,246,024**	13

Water Audit and Other Statistics

- Where possible, report actual metered values. If water uses are not metered, estimate values for each line based on best available information. For assistance, refer to AWWA M36 Manual ï Water Audits and Loss Control Programs.
- For unbilled, unmetered gallons (line 16), include water used for system operation and maintenance and water used for non-regulated sewer utility.
- If gallons estimated due to theft, data, and billing errors is unknown, multiply net gallons entering distribution system (line 3) by .0025.

Description (a)	Value (b)
WATER AUDIT STATISTICS	
Finished Water pumped or purchased (000s)	4,246,024
Less: Gallons (000s) sold to wholesale customers (exported water)	615,393
Subtotal: Net gallons (000s) entering distribution system	**3,630,631**
Less: Gallons (000s) sold to retail customers (billed, metered)	3271624
Less: Gallons (000s) sold to retail customers (billed, unmetered)	0
Gallons (000s) of Non-Revenue Water	**359,007**
Gallons (000s) of unbilled-metered (including customer use to prevent freezing)	0
Gallons (000s) of unbilled-unmetered (including unmetered flushing, fire protection)	14,260
Subtotal: Unbilled Authorized Consumption	**14,260**
Total Water Loss	**344,747**
Gallons (000s) estimated due to unauthorized consumption (includes theft) default option	1000
Gallons (000s) estimated due to data and billing errors	9077
Gallons (000s) estimated due to customer meter under-registration	2,000
Subtotal Apparent Losses	**12,077**
Gallons (000s) estimated due to reported leakage (mains, services, hydrants, overflows)	25,758
Gallons (000s) estimated due to unreported and background leakage	306,912
Subtotal Real Losses (leakage)	**332,670**
Non-Revenue Water as percentage of net water supplied	10%
Total Water Loss as percentage of net water supplied	9%
OTHER STATISTICS	
Maximum gallons (000s) pumped by all methods in any one day during reporting year	16,469
Date of maximum	08/27/2020
Cause of maximum	
Seasonal demand/usage increase	
Minimum gallons (000s) pumped by all methods in any one day during reporting year	8,396
Date of minimum	01/01/2020
Total KWH used by the utility (including pumping, treatment facilities and other utility operations)	6,091,407
If water is purchased:	
Vendor Name	
Point of Delivery	
Source of purchased water	
Vendor Name (2)	
Point of Delivery (2)	
Source of purchased water (2)	
Vendor Name (3)	
Point of Delivery (3)	
Source of purchased water (3)	
Number of main breaks repaired this year	22
Number of service breaks repaired this year	18

Sources of Water Supply - Well Information

- Enter characteristics for each of the utilityôs functional wells (regardless of whether it is ñin serviceò or not).
- Do not include abandoned wells on this schedule.
- All abandoned wells should be retired from the plant accounts and no longer listed in the utilityôs annual report.
- Abandoned wells should be permanently filled and sealed per Wisconsin Administrative codes Chapters NR811 and NR812.

- - - THIS SCHEDULE NOT APPLICABLE TO THIS UTILITY- - -

Sources of Water Supply - Intake Information

	Description (a)	Distance From Shore (feet) (b)	Depth Below Surface (feet) (c)	Diameter (inches) (d)	
1	LAKE MICHIGAN 1	2,100	30	36	1
2	LAKE MICHIGAN 2	5,000	46	30	2

Pumping & Power Equipment

	Pump						Pump Motor or Standby Engine			
Identification (a)	Location (b)	Primary Purpose (c)	Primary Destination (d)	Year Installed (e)	Type (f)	Actual Capacity (gpm) (g)	Year Installed (j)	Type (k)	Horse-power (l)	
EE #1	4200 COUNTY RD OK	Booster	Distribution	2008	Centrifugal	350	2008	Electric	20	1
ERIE #1	4024 ERIE AVE	Booster	Distribution	2007	Centrifugal	4,200	2007	Electric	200	2
ERIE #2	4024 ERIE AVE	Booster	Distribution	2007	Centrifugal	4,200	2007	Electric	200	3
ERIE #3	4024 ERIE AVE	Booster	Distribution	2007	Centrifugal	4,200	2007	Electric	200	4
ERIE GENERATOR	4024 ERIE AVE	Standby	Distribution	2007	Other	8,400	2007	Natural Gas	500	5
GEORGIA #3	2935 GEORGIA AVE	Booster	Distribution	1971	Vertical Turbine	1,040	1971	Electric	30	6
GEORGIA #4	2935 GEORGIA	Booster	Distribution	2000	Centrifugal	2,600	2008	Electric	125	7
GEORGIA #4 GAS	2935 GEORGIA AVE	Standby	Distribution	2000	Centrifugal	2,600	2000	Natural Gas	100	8
GEORGIA #5	2935 GEORGIA AVE	Booster	Distribution	2008	Centrifugal	5,000	2008	Electric	200	9
GEORGIA #6	2935 GEORGIA AVE	Booster	Distribution	2019	Centrifugal	5,000	2019	Electric	150	10
GEORGIA GENERATOR	2935 GEORGIA AVE	Standby	Distribution	2019	Other	5,000	2019	Natural Gas	636	11
HIGH LIFT #1	72A PARK AVE HIGH LIFT	Primary	Distribution	1990	Centrifugal	10,069	1990	Electric	700	12
HIGH LIFT #2	72A PARK AVE	Primary	Distribution	1937	Centrifugal	6,380	2005	Electric	400	13
HIGH LIFT #3	72A PARK AVE HIGH LIFT	Primary	Distribution	1951	Centrifugal	6,800	2013	Electric	350	14
HIGH LIFT #3 GAS	72A PARK AVE HIGH LIFT	Standby	Distribution	1951	Centrifugal	6,800	1990	Natural Gas	400	15
HIGH LIFT #4	72A PARK AVE HIGH LIFT	Primary	Distribution	1990	Centrifugal	10,069	2004	Electric	700	16
HIGH LIFT #4 GAS	72A PARK AVE	Standby	Distribution	1990	Centrifugal	10,069	1990	Natural Gas	700	17
HIGH LIFT #5	72A PARK AVE HIGH LIFT	Primary	Distribution	1972	Centrifugal	10,000	2003	Electric	700	18
LOW LIFT #6	72A PARK AVE LOW LIFT	Primary	Treatment	1980	Centrifugal	5,556	1992	Electric	150	19
LOW LIFT #7	72A PARK AVE LOW LIFT	Standby	Treatment	1931	Centrifugal	8,400	1991	Natural Gas	200	20
LOW LIFT #9	72A PARK AVE LOW LIFT	Primary	Treatment	1959	Centrifugal	9,000	2004	Electric	150	21
LOWLIFT #8	72A PARK AVE LOW LIFT	Primary	Treatment	1991	Centrifugal	13,200	1991	Electric	200	22
PLANT GENERATOR	72A PARK AVE	Standby	Treatment	1991	Other	9,000	1991	Natural Gas	375	23

Pumping & Power Equipment

	Pump						Pump Motor or Standby Engine			
Identification (a)	Location (b)	Primary Purpose (c)	Primary Destination (d)	Year Installed (e)	Type (f)	Actual Capacity (gpm) (g)	Year Installed (j)	Type (k)	Horse-power (l)	
WASH PUMP #10	72A PARK AVE WASH PUMP	Primary	Treatment	1959	Centrifugal	5,200	1959	Electric	100	24
WASH PUMP 2 #11	72A PARK AVE WASH PUMP	Standby	Treatment	2013	Centrifugal	8,000	2013	Electric	200	25
WILGUS #1	3169 WILGUS AVE	Booster	Distribution	1986	Centrifugal	250	1986	Electric	7	26
WILGUS #2	3169 WILGUS AVE	Booster	Distribution	1986	Centrifugal	650	2006	Electric	20	27
WILGUS #2 GAS	3169 WILGUS AVE	Standby	Distribution	1986	Centrifugal	650	2011	Natural Gas	30	28
WILGUS #3	3169 WILGUS AVE	Booster	Distribution	1986	Centrifugal	1,500	2011	Electric	60	29

Reservoirs, Standpipes and Elevated Tanks

Å Enter elevation difference between highest water level in Standpipe or Elevated Tank, (or Reservoir only on an elevated site) and the water main where the connection to the storage begins branching into the distribution system.

	Facility Name (a)	Facility ID Site Code (b)	Year Constructed (c)	Type (d)	Primary Material (e)	Elevation Difference in Feet (f)	Total Capacity In Gallons (g)	
1	EE TOWER	1	1989	Elevated Tank	Steel	146	500,000	1
2	ERIE - NORTH	4	2007	Reservoir	Concrete	60	3,000,000	2
3	ERIE - SOUTH	5	2007	Reservoir	Concrete	60	3,000,000	3
4	GEORGIA AVE STANDPIPE	2	1959	Standpipe	Steel	104	2,000,000	4
5	Horizon Drive Tower	6	2018	Elevated Tank	Steel	120	600,000	5
6	TAYLOR	3	1933	Elevated Tank	Steel	54	4,000,000	6

Water Treatment Plant

- Provide a generic description for (a). Do not give specific address of location.
- Please select all that apply for (d) and (e). If Other is selected please explain in Notes (h).
- Please identity the point of application for each treatment plant for (g). For example, please list each well or central treatment facility served by this unit.

Unit Description (a)	Year Constructed (b)	Rated Capacity (mgd) (c)	Disinfection (d)	Additional Treatment (e)	Fluoridated (f)	Point of Application (g)	Notes (h)	
EE TOWER	1989	500000	x Ultraviolet Light x Liquid Chlorine _ Gas Chlorine _ Ozone _ Other _ None	x Flocculation/Sedimentation x Sand Filtraton _ Activated Carbon Filtration _ Membrane Filtration _ Iron Exchange _ Iron/Manganese _ Nitrate Removal _ Radium Removal _ Other	Yes	CENTRAL FACILITIES		1
ERIE AVE TWIN TANKS	2007	6000000	x Ultraviolet Light x Liquid Chlorine _ Gas Chlorine _ Ozone _ Other _ None	x Flocculation/Sedimentation x Sand Filtraton _ Activated Carbon Filtration _ Membrane Filtration _ Iron Exchange _ Iron/Manganese _ Nitrate Removal _ Radium Removal _ Other	Yes	CENTRAL FACILITIES		2
Georgia Ave Standpipe	1989	2000000	x Ultraviolet Light x Liquid Chlorine _ Gas Chlorine _ Ozone _ Other _ None	x Flocculation/Sedimentation x Sand Filtraton _ Activated Carbon Filtration _ Membrane Filtration _ Iron Exchange _ Iron/Manganese _ Nitrate Removal _ Radium Removal _ Other	Yes	CENTRAL FACILITIES		3
HORIZON TOWER	2019	600000	x Ultraviolet Light x Liquid Chlorine _ Gas Chlorine _ Ozone _ Other _ None	x Flocculation/Sedimentation x Sand Filtraton _ Activated Carbon Filtration _ Membrane Filtration _ Iron Exchange _ Iron/Manganese _ Nitrate Removal _ Radium Removal _ Other	Yes	CENTRAL FACILITIES		4

Water Treatment Plant

- Provide a generic description for (a). Do not give specific address of location.
- Please select all that apply for (d) and (e). If Other is selected please explain in Notes (h).
- Please identity the point of application for each treatment plant for (g). For example, please list each well or central treatment facility served by this unit.

Unit Description (a)	Year Constructed (b)	Rated Capacity (mgd) (c)	Disinfection (d)	Additional Treatment (e)	Fluoridated (f)	Point of Application (g)	Notes (h)
TAYLOR	1933	4000000	x Ultraviolet Light x Liquid Chlorine _ Gas Chlorine _ Ozone _ Other _ None	x Flocculation/Sedimentation x Sand Filtraton _ Activated Carbon Filtration _ Membrane Filtration _ Iron Exchange _ Iron/Manganese _ Nitrate Removal _ Radium Removal _ Other	Yes	CENTRAL FACILITIES	5

Water Mains

- Report mains separately by pipe material, function, diameter and either within or outside the municipal boundaries.
- Explain all reported adjustments as a schedule footnote.
- For main additions reported in column (e), as a schedule footnote:
  - Explain how the additions were funded.
  - Also report the amount assessed and the feet of main recorded under this method.
  - If installed by a developer, explain the basis of recording the cost of the additions, the total amount, and the feet of main recorded under this method.
- Report all pipe larger than 72òin diameter in the 72òcategory.

			Number of Feet					
Pipe Material (a)	Main Function (b)	Diameter (inches) (c)	First of Year (d)	Added During Year (e)	Retired During Year (f)	Adjustments Increase or (Decrease) (g)	End of Year (h)	
Other Metal	Distribution	1	204				**204**	1
Other Metal	Distribution	1 1/4	388				**388**	2
Other Metal	Distribution	1 1/2	185				**185**	3
Other Plastic	Distribution	2	85				**85**	4
Other Metal	Distribution	3	250				**250**	5
Other Metal	Distribution	4	24,689		10		**24,679**	6
PVC	Distribution	4	50	8			**58**	7
Other Metal	Distribution	6	447,766		3,280		**444,486**	8
PVC	Distribution	6		242			**242**	9
Other Metal	Distribution	8	173,103		798		**172,305**	10
PVC	Distribution	8	315	976			**1,291**	11
Other Metal	Distribution	10	39,203		575		**38,628**	12
Other Metal	Distribution	12	218,281		1,379		**216,902**	13
PVC	Distribution	12	3,138	5,157			**8,295**	14
Other Metal	Distribution	14	5,639				**5,639**	15
Other Metal	Distribution	16	77,139		90		**77,049**	16
PVC	Distribution	16		44			**44**	17
Other Metal	Distribution	18	3,128				**3,128**	18
Concrete	Transmission	20	3,430				**3,430**	19
Other Metal	Distribution	20	29,069				**29,069**	20
Other Metal	Distribution	24	5,389				**5,389**	21
Other Metal	Transmission	24	22,216				**22,216**	22
Other Metal	Distribution	30	9,772				**9,772**	23
Other Metal	Transmission	30	12,605				**12,605**	24
Other Metal	Transmission	36	678				**678**	25
Total Within Municipality			**1,076,722**	**6,427**	**6,132**		**1,077,017**	26
Other Metal	Distribution	6	210				**210**	27
Other Metal	Distribution	8	3,552				**3,552**	28
Other Metal	Distribution	12	10,471				**10,471**	29
Other Metal	Distribution	16	2,833				**2,833**	30
PVC	Distribution	20	976				**976**	31
Other Metal	Transmission	30	680				**680**	32
Total Outside Municipality			**18,722**				**18,722**	33
Total Utility			**1,095,444**	**6,427**	**6,132**		**1,095,739**	34

Water Mains

- Report mains separately by pipe material, function, diameter and either within or outside the municipal boundaries.
- Explain all reported adjustments as a schedule footnote.
- For main additions reported in column (e), as a schedule footnote:
  - Explain how the additions were funded.
  - Also report the amount assessed and the feet of main recorded under this method.
  - If installed by a developer, explain the basis of recording the cost of the additions, the total amount, and the feet of main recorded under this method.
- Report all pipe larger than 72òin diameter in the 72òcategory.

Water Mains (Page W-21)

Added During Year total is greater than zero, please explain financing following the criteria listed in the schedule headnotes.

Water mains added during 2020 were financed by regular water revenues; new properties within city limits are assessed on street frontage at the rate stated in municipal code; properties outside city limits are assessed on street frontage at the rate stated in municipal code and deferred to the city for payment.

General Footnote

The Sheboygan Water Utility continues to update water main records into an electronic database using mapping software and systems. The use of mapping tools has enabled the utility to more accurately account for water main in the distribution system. Adjustments, if any, are the result of continued work on this project.

Utility-Owned Water Service Lines

- The utility's service line is the pipe from the main to and through the curb stop.
- Explain all reported adjustments as a schedule footnote.
- Report in column (h) the number of utility-owned service lines included in columns (g) which are temporarily shut off at the curb box or otherwise not in use at end of year.
- For service lines added during the year in column (d), as a schedule footnote:
  - Explain how the additions were financed.
  - If assessed against property owners, explain the basis of the assessments.
  - If installed by a property owner or developer, explain the basis of recording the cost of the additions, the total amount and the number of service lines recorded under this method.
  - If any were financed by application of Cz-1, provide the total amount recorded and the number of service lines recorded under this method.
- Report service lines separately by diameter and pipe materials.

Pipe Material (a)	Diameter (inches) (b)	First of Year (c)	Added During Year (d)	Removed or Permanently Disconnected During Year (e)	Adjustments Increase or (Decrease) (f)	End of Year (g)	NOT in Use at End of Year (h)	
Ductile Iron, Lined (late 1960's to present)	0.500	32			(26)	6		1
Galvanized	0.500	400		2	144	542		2
Lead	0.500	477		7	(448)	22		3
Copper	0.500	342			58	400		4
Other Plastic	0.500	63			13	76		5
Unlined Cast Iron (pre-early 1950's)	0.500	29			1	30		6
Unknown - May Contain Lead	0.500	5,091			(3,133)	1,958		7
Ductile Iron, Lined (late 1960's to present)	0.625	1			1	2		8
Galvanized	0.625	96		1	(94)	1		9
Lead	0.625	3,783		35	729	4,477		10
Copper	0.625	335			(335)	0		11
Other Plastic	0.625	46			(46)	0		12
Unknown - May Contain Lead	0.625	115			(1)	114		13
Ductile Iron, Lined (late 1960's to present)	0.750	18			4	22		14
Galvanized	0.750	42		1	(41)	0		15
Lead	0.750	83		5	(78)	0		16
Copper	0.750	5,202	6	9	1,424	6,623		17
Other Plastic	0.750	49	4		22	75		18
Unlined Cast Iron (pre-early 1950's)	0.750	17			(7)	10		19
Unknown - May Contain Lead	0.750	57			2,172	2,229		20
Ductile Iron, Lined (late 1960's to present)	1.000	3			11	14		21
Galvanized	1.000	4			(4)	0		22
Lead	1.000	66			(66)	0		23
Copper	1.000	1,486			174	1,660		24
Other Plastic	1.000	167	50		(87)	130		25
Unlined Cast Iron (pre-early 1950's)	1.000	3			1	4		26
Unknown - May Contain Lead	1.000	93			100	193		27
Ductile Iron, Lined (late 1960's to present)	1.250	1				1		28
Lead	1.250	5			(5)	0		29

Utility-Owned Water Service Lines

- The utility's service line is the pipe from the main to and through the curb stop.
- Explain all reported adjustments as a schedule footnote.
- Report in column (h) the number of utility-owned service lines included in columns (g) which are temporarily shut off at the curb box or otherwise not in use at end of year.
- For service lines added during the year in column (d), as a schedule footnote:
  - Explain how the additions were financed.
  - If assessed against property owners, explain the basis of the assessments.
  - If installed by a property owner or developer, explain the basis of recording the cost of the additions, the total amount and the number of service lines recorded under this method.
  - If any were financed by application of Cz-1, provide the total amount recorded and the number of service lines recorded under this method.
- Report service lines separately by diameter and pipe materials.

Copper	1.250	14	(14)	0	30
Other Plastic	1.250	2	(2)	0	31
Ductile Iron, Lined (late 1960's to present)	1.500	2	11	13	32
Lead	1.500	13	(13)	0	33
Copper	1.500	18	(18)	0	34
Other Plastic	1.500	91	25	116	35
Unknown - May Contain Lead	1.500	225	(220)	5	36
Ductile Iron, Lined (late 1960's to present)	2.000	2	10	12	37
Copper	2.000	36	(35)	1	38
Other Plastic	2.000	5	(1)	4	39
Unlined Cast Iron (pre-early 1950's)	2.000	2		2	40
Unknown - May Contain Lead	2.000	114	(77)	37	41
Ductile Iron, Lined (late 1960's to present)	2.500	1		1	42
Ductile Iron, Lined (late 1960's to present)	3.000		5	5	43
Lined Cast Iron (mide-1950's to early 1970)	3.000		3	3	44
Copper	3.000	1	(1)	0	45
Other Plastic	3.000	1	(1)	0	46
PVC	3.000		3	3	47
Unknown - May Contain Lead	3.000	26	(21)	5	48
Ductile Iron, Lined (late 1960's to present)	4.000	26	3	29	49
Copper	4.000	2	(2)	0	50
Unlined Cast Iron (pre-early 1950's)	4.000	10	23	33	51
PVC	4.000	1	(1)	0	52
Unknown - Does Not Contain Lead	4.000	52	(42)	10	53
Ductile Iron, Lined (late 1960's to present)	6.000	26	6	32	54
Galvanized	6.000	2	(2)	0	55
Copper	6.000	12	(12)	0	56
Unlined Cast Iron (pre-early 1950's)	6.000	14	5	19	57
PVC	6.000	9	(7)	2	58
Unknown - Does Not Contain Lead	6.000	51	(19)	32	59
Ductile Iron, Lined (late 1960's to present)	8.000	54	10	64	60

Utility-Owned Water Service Lines

- Å The utility's service line is the pipe from the main to and through the curb stop.
- Å Explain all reported adjustments as a schedule footnote.
- Å Report in column (h) the number of utility-owned service lines included in columns (g) which are temporarily shut off at the curb box or otherwise not in use at end of year.
- Å For service lines added during the year in column (d), as a schedule footnote:
  - Ŭ Explain how the additions were financed.
  - Ŭ If assessed against property owners, explain the basis of the assessments.
  - Ŭ If installed by a property owner or developer, explain the basis of recording the cost of the additions, the total amount and the number of service lines recorded under this method.
  - Ŭ If any were financed by application of Cz-1, provide the total amount recorded and the number of service lines recorded under this method.
- Å Report service lines separately by diameter and pipe materials.

Copper	8.000	9			(9)	0	61
Unlined Cast Iron (pre-early 1950's)	8.000	19			6	25	62
PVC	8.000	2			7	9	63
Ductile Iron, Lined (late 1960's to present)	10.000	20			(19)	1	64
Unlined Cast Iron (pre-early 1950's)	10.000	23			(19)	4	65
Copper	12.000	1				1	66
Unlined Cast Iron (pre-early 1950's)	12.000	4				4	67
Unlined Cast Iron (pre-early 1950's)	30.000	1				1	68
Utility Total		**18,997**	**60**	**60**	**65**	**19,062**	69

Utility-Owned Water Service Lines

- The utility's service line is the pipe from the main to and through the curb stop.
- Explain all reported adjustments as a schedule footnote.
- Report in column (h) the number of utility-owned service lines included in columns (g) which are temporarily shut off at the curb box or otherwise not in use at end of year.
- For service lines added during the year in column (d), as a schedule footnote:
  - Explain how the additions were financed.
  - If assessed against property owners, explain the basis of the assessments.
  - If installed by a property owner or developer, explain the basis of recording the cost of the additions, the total amount and the number of service lines recorded under this method.
  - If any were financed by application of Cz-1, provide the total amount recorded and the number of service lines recorded under this method.
- Report service lines separately by diameter and pipe materials.

Utility-Owned Water Service Lines (Page W-22)

Additions are greater than zero AND Additions on both of the Plant in Service schedules (Account 345) are zero, please explain.

The Sheboygan Water Utility does not own any portion of water service lines in the City of Sheboygan. Water service lines from the water main to the meter setting are owned by property owners. Water service lines are not recorded as plant or assets on the utility's financial statements.

Additions are greater than zero, please explain financing by following criteria listed in the schedule headnotes.

Lead water service lines added in 2020 from the water main to the curb stop were financed by Sheboygan Water Utility Lead Water Service Replacement Program using a combination of 50% grant up to $2,500 and zero interest loans. The amount remaining after the grant may also be paid in full, or in part, by the property owner.

Adjustments are nonzero for one or more accounts, please explain.

The Sheboygan Water Utility does not own any portion of water service lines. Utility staff are working to identify water service line material and diameter. Adjustments are the result of on-going research and updating utility records as materials and/or diameter are identified through various methods.

General Footnote

Water service laterals counted for this report were obtained using utility records, plumber's records, and electronic databases. Because the utility does not own any portion of the lateral, there are a number of them where the material and/or diameter are unknown at this time. As of the date of this report, unknown total 4,583.

Retirements are greater than zero AND Retirements on both of the Plant in Service schedules (Account 345) are zero, please explain.

The Sheboygan Water Utility does not own any portion of water service lines in the City of Sheboygan. Water service lines from the water main to the meter setting are owned by property owners. Water service lines are not recorded as plant or assets on the utility's financial statements.

Total Utility-Owned Service Not In Use at End of Year is reported as zero, please explain.

All functioning and active water service lines were in use at year end.

Meters

- Include in Columns (b-f) meters in stock as well as those in service.
- Report in Column (c) all meters purchased during the year and in Column (d) all meters junked, sold or otherwise permanently retired during the year.
- Use Column (e) to show correction to previously reported meter count because of inventory or property record corrections
- Totals by size in Column (f) should equal same size totals in Column (s).
- Explain all reported adjustments as schedule footnote.
- Do not include station meters in the meter inventory used to complete these tables.

Number of Utility-Owned Meters

Classification of All Meters at End of Year by Customers

Size of Meter	First of Year	Added During Year	Retired During Year	Adjust. Increase or Decrease	End of Year	Tested During Year	Residential	Commercial	Industrial	Public Authority	Multifamily Residential	Irrigation	Wholesale	Inter-Departmental	Utility Use	Additional Meters	In Stock	Total		
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(0)	(p)	(q)	(r)	(s)		
3/4	18,437	684	243	(25)	18,853	181	17,044	906	57	16	110					11	709	**18,853**		1
1	383	10	5	(5)	383	1	54	223	27	27	37					10	5	**383**		2
1 1/2	241		1	2	242	79	5	83	14	29	79					7	25	**242**		3
2	236		0	1	237	8		75	31	38	55					9	29	**237**		4
3	61	8	14		55	13		19	9	10	13					1	3	**55**		5
4	20		0		20	12		3	9	2	1						5	**20**		6
6	8		0		8	8			7				1					**8**		7
8	3	2	0		5	3			3				1				1	**5**	*	8
10	2		0		2	2							2					**2**		9
Total	**19,391**	**704**	**263**	**(27)**	**19,805**	**307**	**17,103**	**1,309**	**157**	**122**	**295**		**4**			**38**	**777**	**19,805**		10

Meters

- Å Include in Columns (b-f) meters in stock as well as those in service.
- Å Report in Column (c) all meters purchased during the year and in Column (d) all meters junked, sold or otherwise permanently retired during the year.
- Å Use Column (e) to show correction to previously reported meter count because of inventory or property record corrections
- Å Totals by size in Column (f) should equal same size totals in Column (s).
- Å Explain all reported adjustments as schedule footnote.
- Å Do not include station meters in the meter inventory used to complete these tables.

1. Indicate your residential meter replacement schedule:

Meters tested once every 10 years and replaced as needed

X All meters replaced within 20 years of installation

Other schedule as approved by PSC

2. Indicate the method(s) used to read customer meters

X Manually - inside the premises or remote register (# of meter: 1140)

X Automatic meter reading (AMR), drive or walk by technology, wand or touchpad (# of meter: 17888)

Advanced Metering Infrastructure (AMI) - fixed network

Other

Meters

- Include in Columns (b-f) meters in stock as well as those in service.
- Report in Column (c) all meters purchased during the year and in Column (d) all meters junked, sold or otherwise permanently retired during the year.
- Use Column (e) to show correction to previously reported meter count because of inventory or property record corrections
- Totals by size in Column (f) should equal same size totals in Column (s).
- Explain all reported adjustments as schedule footnote.
- Do not include station meters in the meter inventory used to complete these tables.

Meters (Page W-23)

Adjustments are nonzero for one or more meter sizes, please explain.	All adjustments are reclassifications made by the Utility to correct previously reported meter counts and/or inventory counts.
Wisconsin Administrative Code requires that meters 1 1/2 and 2 inches be tested or replaced every 4 years. You did not meet these requirements. Please explain your program for testing and replacing meters.	Remaining untested meters are less than 4 years old.
Wisconsin Administrative Code requires that meters 1 inch or smaller be tested every 10 years or replaced every 20 years. You did not meet these requirements. Please explain your program for testing and replacing meters.	Sheboygan Water Utility has a 20 year replacement schedule for 1" meters. There are no 1" meters in the system that are over 20 years old.
Wisconsin Administrative Code requires that meters 3 and 4 inches be tested or replaced every 2 years. You did not meet these requirements. Please explain your program for testing and replacing meters.	Remaining untested meters are less than 2 years old.
Wisconsin Administrative Code requires that meters 6 inches and larger be tested or replaced every year. You did not meet these requirements. Please explain your program for testing and replacing meters.	Sheboygan Water Utility purchased two new 8" meters in 2020. Meters were certified tested by the manufacturer. One remains in inventory and one was not installed until 2021.

Hydrants and Distribution System Valves

- Distinguish between fire and flushing hydrants by lead size.
  - Fire hydrants normally have a lead size of 6 inches or greater.
  - Record as a flushing hydrant where the lead size is less than 6 inches or if pressure is inadequate to provide fire flow.
- Explain all reported adjustments in the schedule footnotes.
- Report fire hydrants as within or outside the municipal boundaries.
- Number of hydrants operated during year means: opened and water withdrawn.
- Number of distribution valves operated during year means: fully opened and closed (exercised).

Hydrant Type (a)	Number In Service First of Year (b)	Added During Year (c)	Removed During Year (d)	Adjustments Increase or (Decrease) (e)	Number In Service End of Year (f)	
Fire - Outside Municipality	**47**				**47**	1
Fire - Within Municipality	**2,020**	24	22		**2,022**	2
Total Fire Hydrants	**2,067**	**24**	**22**	**0**	**2,069**	3
Flushing Hydrants	**0**				**0**	4

NR810.13(2)(a) recommends that a schedule shall be adopted and followed for operating each system valve and hydrant at least once each two years. Please provide the number operated during the year.

Number of Hydrants operated during year	1,140
Number of Distribution System Valves end of year	3,260
Number of Distribution Valves operated during Year	642

List of All Station and Wholesale Meters

- Å Definition of Station Meter is any meter in service not used to measure customer consumption.
- Å Definition of Wholesale Meter is any meter used to measure sales to other utilities.
- Å Retail customer meters should not be included in this inventory.

	Purpose (a)	Meter Size (inches) (b)	Location or Description (c)	Type (d)	Date of Last Meter Test (e)	
	Station Meter	>= 24-inch	High lift (east)	Magnetic	11/03/2020	1
	Station Meter	>= 24-inch	High lift (west)	Magnetic	11/03/2020	2
	Station Meter	>= 24-inch	Low lift (east/west)	Magnetic	11/03/2020	3
	Station Meter	>= 24-inch	Low lift (south)	Magnetic	11/03/2020	4
	Wholesale Meter	6	Kohler South 3925 Washington	Turbine	11/03/2020	5
	Wholesale Meter	8	Kohler 3400 Union Ave	Turbine	03/18/2020	6
	Wholesale Meter	10	Kohler North 3207 Erie Ave	Magnetic	11/03/2020	7
	Wholesale Meter	10	Sheboygan Falls 927 N Taylor	Turbine	11/03/2020	8

Water Conservation Programs

- Å List all water conservation-related expenditures for the reporting year. Include administrative costs, customer outreach and education, other program costs, and payments for rebates and other customer incentives. Do not include leak detection, other water loss program costs.
- Å If the Commission has approved conservation program expenses, these should be charged to Account 186. Otherwise, these expenses are reported in Account 906 on Schedule W-05 (Account 691 for class D utilities).

Item Description (a)	Expenditures (b)	Number of Rebates (c)	Water Savings Gallons (d)	
Administrative and General Expenses				1
Program Administration	0	0	0	2
Customer Outreach & Education	0	0	0	3
Other Program Costs	0	0	0	4
Total Administrative and General Expenses	**0**	**0**	**0**	5
Customer Incentives				6
Residential Toilets	0	0	0	7
Multifamily/Commercial Toilets	0	0	0	8
Faucets	0	0	0	9
Showerheads	0	0	0	10
Clothes Washers	0	0	0	11
Dishwashers	0	0	0	12
Smart Irrigation Controller	0	0	0	13
Commercial Pre-Rinse Spray Valves	0	0	0	14
Cost Sharing Projects (Nonresidential Customers)	0	0	0	15
Customer Water Audits	0	0	0	16
Other Incentives	0	0	0	17
Total Customer Incentives	**0**	**0**	**0**	18
TOTAL CONSERVATION	**0**	**0**	**0**	19

Water Customers Served

- List the number of customer accounts in each municipality for which your utility provides retail general service. Do not include wholesale customers or fire protection accounts.
- Per Wisconsin state statute, a city, village, town or sanitary district owning water plant or equipment may serve customers outside its corporate limits, including adjoining municipalities. For purposes of this schedule, customers located ñWithin Muni Boundaryò refers to those located inside the jurisdiction that owns the water utility.

Municipality (a)	Customers End of Year (b)	
Kohler (Village)	1	1
Sheboygan (City) **	18,929	2
Sheboygan Falls (City)	1	3
Total - Sheboygan County	**18,931**	4
Total - Customers Served	**18,931**	5
Total - Outside Muni Boundary	**2**	6
Total - Within Muni Boundary **	**18,929**	7

*** = Within municipal boundary*

Privately-Owned Water Service Lines

- Å The privately owned service line is the pipe from the curb stop to the meter.
- Å Explain all reported adjustments in columns(f) as a schedule footnote.
- Å Report in column (h) the number of privately-owned service lines included in columns (g) which are temporarily shut off at the curb box or otherwise not in use at end of year.
- Å Separate reporting of service lines by diameter and pipe material.

Pipe Material (a)	Diameter (inches) (b)	First of Year (c)	Added During Year (d)	Removed or Permanently Disconnected During Year (e)	Adjustments Increase or (Decrease) (f)	End of Year (g)	Customer Owned Service Laterals Not in Use at End of Year (i)	Replaced During Year Using Financial Assistance from Utility (h)	
Galvanized	0.500	493		1	257	749		1	1
Lead	0.500	289		2	47	334		2	2
Copper	0.500	295			90	385			3
Other Plastic	0.500	38			(1)	37			4
Unknown - May Contain Lead	0.500	1,714			(282)	1,432			5
Galvanized	0.625	155		1	(153)	1		1	6
Lead	0.625	4,094		37	631	4,688		19	7
Copper	0.625	401			(400)	1			8
Other Plastic	0.625	70			(70)	0			9
Unknown - May Contain Lead	0.625	228			(106)	122			10
Galvanized	0.750	64		1	(37)	26		1	11
Lead	0.750	416		4	(89)	323		4	12
Copper	0.750	5,151	2		1,570	6,723			13
Other Plastic	0.750	84	1		55	140			14
Unknown - May Contain Lead	0.750	2,946			(860)	2,086			15
Galvanized	1.000	21			(21)	0			16
Lead	1.000	184			(184)	0			17
Copper	1.000	1,155	2		28	1,185			18
Other Plastic	1.000	26	41		85	152			19
Unknown - May Contain Lead	1.000	216			(24)	192			20
Lead	1.250	45			(45)	0			21
Copper	1.250	3			(3)	0			22
Other Plastic	1.250	2			(2)	0			23
Unknown - May Contain Lead	1.250	1				1			24
Lead	1.500	9			(9)	0			25
Copper	1.500	19			(19)	0			26
Other Plastic	1.500	118			(11)	107			27
Unknown - May Contain Lead	1.500	223			(200)	23			28
Galvanized	2.000	3			(2)	1			29
Lead	2.000	1			(1)	0			30
Copper	2.000	86			(85)	1			31
Other Plastic	2.000	18			(17)	1			32
Unknown - May Contain Lead	2.000	74			(21)	53			33
Ductile Iron, Lined (late 1960's to present)	2.500	1				1			34
Copper	3.000	1			(1)	0			35
Other Plastic	3.000	1			(1)	0			36

Privately-Owned Water Service Lines

- Å The privately owned service line is the pipe from the curb stop to the meter.
- Å Explain all reported adjustments in columns(f) as a schedule footnote.
- Å Report in column (h) the number of privately-owned service lines included in columns (g) which are temporarily shut off at the curb box or otherwise not in use at end of year.
- Å Separate reporting of service lines by diameter and pipe material.

Unknown - May Contain Lead	3.000	26			(23)	3		37
Copper	4.000	88			(88)	0		38
Unknown - Does Not Contain Lead	4.000	2			91	93		39
Galvanized	6.000	3			(3)	0		40
Copper	6.000	9			(9)	0		41
Other Plastic	6.000	6			(5)	1		42
Unknown - Does Not Contain Lead	6.000	86				86		43
Ductile Iron, Lined (late 1960's to present)	8.000	93				93		44
Copper	8.000	8			(1)	7		45
PVC	8.000	2				2		46
Ductile Iron, Lined (late 1960's to present)	10.000	10			(6)	4		47
Galvanized	10.000	10			(10)	0		48
Unlined Cast Iron (pre-early 1950's)	10.000	1				1		49
PVC	10.000	2				2		50
Unlined Cast Iron (pre-early 1950's)	12.000	5				5		51
Unlined Cast Iron (pre-early 1950's)	30.000	1				1		52
Utility Total		**18,997**	**46**	**46**	**65**	**19,062**		53

Privately-Owned Water Service Lines

- Å The privately owned service line is the pipe from the curb stop to the meter.
- Å Explain all reported adjustments in columns(f) as a schedule footnote.
- Å Report in column (h) the number of privately-owned service lines included in columns (g) which are temporarily shut off at the curb box or otherwise not in use at end of year.
- Å Separate reporting of service lines by diameter and pipe material.

Privately-Owned Water Service Lines (Page W-29)

General Footnote

The Sheboygan Water Utility does not own any portion of water service laterals in the City of Sheboygan. Property owners own the full length of water service laterals from the water main to the meter setting. Replacement of water service laterals that are not lead or galvanized are paid for by the property owner. Water service laterals that are lead or galvanized are funded by Sheboygan Water Utility Lead Water Service Lateral Replacement Program through a combination of 50% grant up to $2,500 and zero interest loans.

Utility staff are working to identify water service lateral material and diameter. Since Sheboygan Water Utility does not own any portion of the water service lateral, identification is challenging and will take several years. Adjustments are the result of on-going research and updating utility records as materials and diameter are identified through various methods.

Water service laterals counted for this report were obtained using utility records, plumber's records, and electronic databases. Because the utility does not own any portion of the lateral, there are a number of them where the material and/or diameter are unknown at this time. As of the date of this report, unknown total 4,091.

DESIGN ENGINEERING SERVICES AGREEMENT

This Design Engineering Services Agreement ("Agreement") effective this _____, 20_____, is by and between Sheboygan Water Utility, a Wisconsin Publicly Owned Utility ("Client"), and AECOM Technical Services, Inc., a California corporation, ("AECOM"); each also referred to individually as ("Party") and collectively as ("Parties").

In consideration of the mutual covenants and promises contained herein, the Parties agree as follows:

1. SCOPE OF SERVICES

1.1 AECOM shall perform the services set forth in **EXHIBIT A** ("Services"), incorporated herein by reference.

1.2 AECOM will provide the work products specifically commissioned by Client for delivery by AECOM to Client and listed in **EXHIBIT A** ("Deliverables") in accordance with the schedule ("Project Schedule").

2. TERM OF AGREEMENT Upon execution by the Parties, this Agreement shall have the effective date set forth above. This Agreement shall remain in force until all obligations related to the Services, other than those obligations which survive termination of this Agreement under Article 27, have been fulfilled, unless this Agreement is sooner terminated as set forth herein.

3. COMPENSATION AND PAYMENT AECOM shall be paid for the performance of the Services in accordance with **EXHIBIT B** ("Compensation and Payment"), incorporated herein by reference.

4. NOTICE All notices, requests, claims, demands and other official communications herein shall be in writing. Such notices shall be given (i) by delivery in person, (ii) by a nationally recognized commercial courier service; or (iii) by United States Postal Service, registered mail, postage prepaid and return receipt requested. Notices shall be effective upon actual delivery to the other Party at the following addresses:

TO CLIENT:
72 Park Avenue
Sheboygan, WI 53081
Attn: Joe Trueblood, Superintendent

TO AECOM:
2985 South Ridge Road, Suite B
Green Bay, WI, 54304
Attn: Tom Holtan, Project Manager

Claims-related notices shall be copied to:
AMER-DCSProjectClaimNotices@aecom.com

or to which address the receiving Party may from time to time give notice to the other Party. Rejection or other refusal to accept, or the inability to deliver because of changed address for which no notice was given, shall be deemed to be receipt of the notice as of the date of such rejection, refusal to accept, or inability to deliver. Claims-related notices need to include the AECOM project name and number found in this Agreement as well as contact information of the person submitting the notice.

5. AECOM'S RESPONSIBILITIES

5.1 AECOM shall perform the Services in accordance with the degree of professional skill, quality and care ordinarily exercised by members of the same profession currently practicing in the same locality under comparable circumstances and as expeditiously as is consistent with professional skill and the orderly progress of the Project. The full extent of AECOM's responsibility with respect to the Services shall be to perform in accordance with the above standards and to remedy any material deficiencies or defects in the Deliverables at AECOM's own expense, provided that AECOM is notified by Client, in writing, of any such deficiency or defect within a reasonable period after discovery thereof, but in no event later than 90 days after AECOM's completion or termination of the Services. AECOM MAKES NO OTHER REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE, MERCHANTABILITY, INFORMATIONAL CONTENT OR OTHERWISE.

5.2 AECOM will endeavor in good faith, as needed, to obtain from the appropriate authorities their interpretation of applicable codes and standards and will apply its professional judgment in interpreting the codes and standards as they apply to the Project at the time of performance of the Services. Notwithstanding the above, the Parties agree that, as the Project progresses, such codes or standards may change or the applicability of such codes or standards may vary from AECOM's original interpretation through no fault of AECOM and that additional costs necessary to conform to such changes or interpretations during or after execution of the Services will be subject to an equitable adjustment in the Compensation and Project Schedule.

5.3 AECOM shall be responsible for its performance and that of AECOM's lower-tier subcontractors and vendors. However, AECOM shall not be responsible for health or safety programs or precautions related to Client's activities or operations or those of Client's other contractors and consultants or their respective subcontractors and vendors ("Contractors"). AECOM shall have no responsibility for (i) construction means, methods, techniques, sequences or procedures; (ii) the direction of Contractors' personnel; (iii) selection of construction equipment; (iv) coordination of Contractors' work; (v) placing into operation any plant or equipment; or (vi) Contractors' failure to perform the work in accordance with any applicable construction contract. AECOM shall not be responsible for inspecting, observing, reporting or correcting health or safety conditions or deficiencies of Client, Contractors or others at the project site ("Project Site") other than AECOM's employees, subconsultants and vendors. So as not to discourage AECOM from voluntarily addressing health or safety issues while at the Project Site, in the event AECOM does identify such issues by making observations, reports, suggestions or otherwise, AECOM shall have no authority to direct the actions of others not under AECOM's responsibility and control and shall have no liability, responsibility, or affirmative duty arising on account of AECOM's actions or forbearance.

5.4 Notwithstanding anything contained in this Agreement, AECOM shall have no responsibility for the discovery, presence, handling, removal, transportation, storage or disposal of, or exposure of persons to hazardous materials in any form related to the Project. AECOM shall not be responsible for Client's pre-existing site conditions or the aggravation of those preexisting site conditions to the extent not caused by the negligence or willful misconduct of AECOM.

5.5 In the event that the Services include construction observation or similar field services, AECOM's responsibility shall be limited to determining general conformance with AECOM's design. Visits by AECOM to the Project Site and observations made by AECOM shall not relieve the Contractors of ther obligation to conduct comprehensive inspections of the construction work sufficient to ensure conformance with the intent of the construction contract documents, and shall not relieve the Contractors of their responsibility for means, methods, techniques, sequences and procedures necessary for coordinating and completing all portions of the construction work and for all safety precautions incidental thereto.

5.6 Any opinions of probable construction costs provided by AECOM represent AECOM's good faith professional judgment in light of its experience, knowledge and the information reasonably available to AECOM at the time of preparation of the opinion. However, since AECOM has no control over the market, economic conditions or the bidding procedures, AECOM, its directors, officers and employees and subconsultants do not make any guarantees or warranties whatsoever, whether express or implied, with respect to such opinions and accept no responsibility for any loss or damage arising therefrom or in any way

related thereto. Any reliance upon such opinions, whether by Client or third parties, do so at the relying party's own sole risk.

6. CLIENT'S RESPONSIBILITIES

6.1 Client shall provide in writing any specific Client requirements or criteria for the Project, including design objectives and constraints, space, capacity and performance requirements, flexibility and expandability, and any budgetary limitations.

6.2 Client shall furnish all information and technical data in Client's possession or under its control reasonably required for AECOM's proper performance of the Services prior to AECOM's commencement of the Services or at such other times as Client and AECOM mutually agree. AECOM is entitled and will rely upon the accuracy, completeness, currency and non-infringement of information and data provided by Client or obtained from generally accepted sources within the industry, except to the extent such verification by AECOM may be expressly required as a defined part of the Services. AECOM will not be responsible for defects in its Services attributable to its reliance upon or use of such information and data.

6.3 Client shall arrange for access and make all provisions necessary for AECOM to enter upon public and/or private property as required for AECOM to properly perform the Services. Client shall disclose to AECOM any known or suspected hazards at the Project Site which may pose a threat to human health, property or the environment.

6.4 If any document or inquiry requires Client to approve, comment, or to provide any decision or direction with regard to the Services, such approval, comment, decision or direction shall be provided within a reasonable time within the context of the Project Schedule, or if not identified in the Project Schedule, within a reasonable time to facilitate the timely performance of the Services.

7. INDEPENDENT CONTRACTOR Nothing contained in this Agreement shall be construed to create a partnership, joint venture, or create a relationship of employer/employee or principal/agent between Client or Client's Contractors and AECOM.

8. CONFIDENTIALITY

8.1 AECOM shall treat as confidential information and data delivered to it by Client or developed in the performance of the Services that are specified in writing by Client to be confidential ("Confidential Information"). Confidential Information shall not be disclosed to third parties by AECOM without the consent of Client, except to the extent reasonably believed necessary by AECOM for its performance of the Services, for a period of 5 years following completion or termination of this Agreement.

8.2 Notwithstanding the above, these restrictions shall not apply to Confidential Information which (i) is already known to AECOM at the time of its disclosure; (ii) becomes publicly known through no wrongful act or omission of AECOM; (iii) is communicated to a third party with the express written consent of Client and not subject to restrictions on further use or disclosure; (iv) is independently developed by AECOM; or, (v) to the extent such Confidential Information is required by Law to be disclosed; provided that the information required for disclosure shall remain Confidential Inforamtion as to all other persons or entities pursuant to the terms of this Agreement, and provided further that AECOM shall promptly provide Client with written notice of such requirement.

8.3 Upon termination of this Agreement or upon Client's written request, AECOM shall return the Confidential Information to Client or destroy the Confidential Information in AECOM's possession or control. Notwithstanding the above, AECOM shall not be required to destroy Confidential Information held electronically in archive or back-up systems in accordance with general systems archiving or backup policies or required for preservation by law, regulation, audit, data retention or corporate archival purposes or per regulatory, judicial or governmental order. All such retained Confidential Information shall be kept confidential by AECOM subject to and in accordance with the terms of this Agreement.

9. DATA RIGHTS

9.1 All right, title and interest in and to any Deliverables, and excluding any AECOM Intellectual Property, shall be assigned by AECOM to Client upon full payment for the Deliverables. Client acknowledges and agrees that AECOM is the author of, and retains all rights, title and interest in all other intellectual property, including work papers, templates, details, designs, drawings, plans, renderings, analyses, calculations, models, software, macros, applications, specifications, processes, procedures, interim or draft documents, methodologies, know-how, and any other instruments of service: (a) belonging to AECOM or its consultants prior to the effective date of this Agreement; (b) developed by AECOM or its consultants outside the scope of, or not exclusively pursuant to, this Agreement; (c) licensed by AECOM or its consultants from a third-party; and (d) included within the Deliverables but which are generic, generally applicable to or standard in AECOM's business (collectively, "AECOM Intellectual Property"). To the extent the Deliverables contain, or Client's receipt of the Services require the use of AECOM Intellectual Property, to the extent of AECOM's ownership and control thereof, AECOM hereby grants to Client, upon full payment for the Deliverables and Services, a limited, non-exclusive, non-assignable, royalty-free license to use and sublicense said AECOM Intellectual Property solely and to the extent necessary to achieve the purposes stated in **EXHIBIT A**.

9.2 Nothing in this Agreement shall be construed to prohibit AECOM or its consultants from using for other purposes, clients or projects the skills, knowledge and experience gained by AECOM or its consultants in the performance of the Services and provision of the Deliverables pursuant to this Agreement, provided that AECOM and its consultants do not use Client's Confidential Information.

9.3 AECOM, in developing solutions, testing hypotheses, or documenting designs, may employ advanced technologies for simulation, information modeling, generative design, and the development of project documentation ("Technical Tools"). While these Technical Tools may result in digital files and/or simulations or models ("Datasets"), when not specifically defined within this Agreement, these Datasets will not constitute a Deliverable or portion thereof. Rather, the Technical Tools and Datasets will be a byproduct of AECOM's internal processes and will be AECOM's sole proprietary information. Notwithstanding anything to the contrary in this Agreement, any ownership and data rights provisions will not apply to such Technical Tools and Datasets and AECOM will remain the sole owner of such Technical Tools and Datasets.

9.4 Client understands and accepts that the Services and Deliverables provided by AECOM pursuant to this Agreement are intended by AECOM for the sole use by Client for the specific purpose stated in **EXHIBIT A**. Client agrees, to the fullest extent permitted by law, to indemnify, defend and hold harmless AECOM and its consultants and their directors, officers, employees, agents, representatives, affiliated and parent companies, ("AECOM Indemnities") against any and all claims, suits, causes of action, damages, losses, costs, expenses and liabilities (including the aggregate amount paid in reasonable settlement of any actions, suits, proceedings or claims), including reasonable attorneys' fees and costs of defense, to which AECOM or any of the AECOM Indemnities may become subject as a consequence of any use or modification of, reliance upon, or transmission to a third party of, said Services, Deliverables, AECOM Intellectual Property, by Client outside the scope of this Agreement without the express, written permission by AECOM.

10. RECORD DRAWINGS Client shall direct the Contractors to provide AECOM with updated red-line documentation which accurately and completely reflects any changes between the original design and the final construction. Record drawings to be delivered by AECOM to Client as a part of the Services ("Record Drawings") reflect the design provided by AECOM as modified by such updated information. Consistently with AECOM's defined Services, AECOM shall not have an obligation to independently validate such information related to the actual construction. AECOM makes no warranty or guarantee with regard to the accuracy or completeness of the information provided by the Contractors and third parties and shall bear no responsibility for any errors or omissions arising from or related to any defects or deficiencies in such information.

11. ELECTRONIC FILES

11.1 Electronic files to be delivered under this Agreement, if any, contain information to be used for the production of contract documents for the Project and are provided solely as an accommodation to Client. The official Contract Documents of Record ("Contract Documents") are those documents produced by AECOM which bear seals and/or signatures. Unless otherwise expressly set forth in the Services, no electronic files delivered under this Agreement are Contract Documents.

11.2 The electronic files, if any, were created to supplement the official Contract Documents. Due to the possibility that files of this nature can be modified, either unintentionally or otherwise; or that the information contained in these files can be used in a manner for which they were not originally intended; or that electronic data may be corrupted by electronic transmission, AECOM makes no representation that the files, after delivery, will remain an accurate representation of the source data in AECOM's possession, or are suitable for any other purpose or use.

11.3 All indications of AECOM's and AECOM's subconsultants' involvement, including but not limited to seals and signatures, shall be removed from each electronic display and shall not be included in any prints produced therefrom.

11.4 Client understands and agrees that the right to use the electronic files, if such are provided under this Agreement, is specifically limited to the Project and the purpose defined by AECOM and is conditioned upon proper payment for such use.

11.5 If a third-party license is required to access or use electronic files, Client acknowledges its responsibility at its own expense to obtain all applicable hardware and software needed to legally access the electronic files. AECOM shall have no liability for third parties' use of or reliance on such files.

12. CERTIFICATION

12.1 For purposes of this Agreement, "certification" means to state or declare a professional opinion based on the standard of performance set forth in Section 5.1 above.

12.2 AECOM shall not be required to execute certificates that would (i) result in AECOM having to certify, guarantee or warrant the existence of conditions whose existence AECOM cannot reasonably ascertain under the existing Services; (ii) require knowledge, services or responsibilities beyond the Services; or (iii) may, in AECOM's reasonable judgment, require AECOM to make a certification that would not normally be covered by AECOM's professional or other liability insurance. In addition, Client agrees not to make resolution of any dispute with AECOM or payment of any amount due to AECOM in any way contingent upon AECOM executing such certificates.

12.3 A professional's certification in no way relieves other parties from meeting their respective requirements imposed by contract or other means, including commonly accepted industry standards and practices. If required as a part of its Services, AECOM will provide a written report stating whether, in AECOM's professional opinion and based on periodic site visits, the construction work complies generally with the Contract Documents.

13. CHANGED SITE CONDITIONS The discovery of hazardous materials, hazardous wastes, pollutants, contaminants or concealed obstructions or utilities that could not reasonably have been anticipated from information provided to and reasonably apparent to AECOM constitutes a changed site condition. To the extent that such changed site condition increases the health and safety risks associated with the Services or requires AECOM to perform services different or in excess compared to those set forth in the Services, AECOM may, at its sole discretion, elect to suspend and/or terminate the related Services and shall be paid for the related Services up through the date of such termination. To the extent that the changed site conditions impact the cost, level of effort or schedule of the Services, equitable adjustments shall be made to the Services, schedule and fee under this Agreement.

14. MATERIALS AND SAMPLES Any items, substances, materials or samples removed from the Project Site for testing, analysis, or other evaluation will be returned to the Project Site unless otherwise

agreed to by the Parties in writing. Client recognizes and agrees that AECOM is acting as a bailee and at no time assumes title to said items, substances, materials or samples.

15. COMPLIANCE The Parties shall comply with applicable treaties, compacts, statutes, ordinances, codes, regulations, consent decrees, orders, judgments, rules, and other requirements of governmental or judicial entities that have jurisdiction over the Services ("Law").

16. FORCE MAJEURE Neither Party shall be responsible for a delay or disruption in, or inability to provide its respective performance under this Agreement, other than a delay in payment for Services already performed, if such delay is caused by events or contingencies, existing or future, beyond the reasonable control of the claiming Party, including "acts of God," abnormal weather conditions or other natural catastrophes, war (whether declared or not), terrorism, sabotage, computer viruses, civil unrest, strikes, lockouts or other industrial disturbances, pandemics, epidemics, health emergencies, virus (e.g., SARS Cov-2), disease (e.g. COVID-19), plague, changes in law or regulations, quarantine, travel restrictions, discovery of hazardous materials, differing or unforeseeable site conditions, acts of governmental agencies or authorities (whether or not such acts are made in response to other Force Majeure Events), or any other events or circumstances not within the reasonable control of the party affected, whether or not of a similar kind or nature to any of the foregoing (a "Force Majeure Event"). The Party seeking application of this provision shall notify the other Party in writing promptly upon learning of the impact of the Force Majeure Event upon the notifying Party's performance of its obligations under this Agreement. Upon the occurrence of a Force Majeure Event, AECOM shall be entitled to an equitable adjustment to the project schedule and compensation sufficient to compensate AECOM for any increase in the time or costs necessary to perform the Services under this Agreement. Should a Force Majeure Event substantially prevent or be reasonably likely to substantially prevent AECOM's performance of the Services for more than thirty (30) days, then AECOM shall be entitled to terminate this Agreement without breach. In case of such termination, AECOM shall be entitled to compensation for those Services performed as of the date of termination.

17. INSURANCE

17.1 AECOM will maintain the following insurance coverages and amounts:

17.1.1 Workers Compensation insurance as required by Law;

17.1.2 Employer's Liability insurance with coverage of $1,000,000 each accident/employee.

17.1.3 Commercial General Liability insurance with coverage of $2,000,000 per occurrence/aggregate;

17.1.4 Automobile Liability insurance with coverage of $1,000,000 combined single limit; and

17.1.5 Professional Liability insurance with coverage of $2,000,000 per claim/aggregate.

18. INDEMNITY

18.1 AECOM agrees to indemnify Client, its officers, directors and employees, from third party claims of loss or damage, exclusive of defense obligations, for bodily injury or property damage ("Claims"), to the proportional extent caused by AECOM's negligence or willful misconduct.

18.2 If Services include AECOM's performance during the construction phase of the Project, Client shall require Client's Contractors working on the Project Site to include AECOM, its directors, officers and employees in any indemnity and in any insurance benefits that Client requires such Contractors to provide to Client.

19. CONSEQUENTIAL DAMAGES WAIVER NOTWITHSTANDING ANY OTHER PROVISION TO THE CONTRARY IN THIS AGREEMENT AND TO THE FULLEST EXTENT PERMITTED BY LAW, IN NO EVENT SHALL EITHER PARTY, ITS PARENTS, AFFILIATES AND SUBSIDIARIES OR THEIR RESPECTIVE DIRECTORS OFFICERS OR EMPLOYEES BE LIABLE TO THE OTHER FOR ANY

INDIRECT, INCIDENTAL, SPECIAL, CONSEQUENTIAL OR PUNITIVE DAMAGES WHATSOEVER (INCLUDING, WITHOUT LIMITATION, LOST PROFITS, LOSS OF REVENUE, LOSS OF USE OR INTERRUPTION OF BUSINESS) ARISING OUT OF OR RELATED TO THIS AGREEMENT, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, AND AECOM HEREBY RELEASES CLIENT AND CLIENT HEREBY RELEASES AECOM FROM ANY SUCH LIABILITY.

20. RISK ALLOCATION AND RESTRICTION OF REMEDIES THE PARTIES HAVE EVALUATED THE RESPECTIVE RISKS AND REMEDIES UNDER THIS AGREEMENT AND AGREE TO ALLOCATE THE RISKS AND RESTRICT THE REMEDIES TO REFLECT THAT EVALUATION. NOTWITHSTANDING ANY OTHER PROVISION TO THE CONTRARY IN THIS AGREEMENT AND TO THE FULLEST EXTENT PERMITTED BY LAW, CLIENT AGREES TO RESTRICT ITS REMEDIES UNDER THIS AGREEMENT AGAINST AECOM, ITS PARENTS, AFFILIATES AND SUBSIDIARIES, AND THEIR RESPECTIVE DIRECTORS, OFFICERS, SHAREHOLDERS AND EMPLOYEES, ("AECOM COVERED PARTIES"), SO THAT THE TOTAL AGGREGATE LIABILITY OF THE AECOM COVERED PARTIES SHALL NOT EXCEED $250,000 OR THE ACTUAL PAID COMPENSATION FOR THE SERVICES, WHICHEVER IS GREATER. THIS RESTRICTION OF REMEDIES SHALL APPLY TO ALL SUITS, CLAIMS, ACTIONS, LOSSES, COSTS (INCLUDING ATTORNEY FEES) AND DAMAGES OF ANY NATURE ARISING FROM OR RELATED TO THIS AGREEMENT WITHOUT REGARD TO THE LEGAL THEORY UNDER WHICH SUCH LIABILITY IS IMPOSED. CLAIMS MUST BE BROUGHT WITHIN ONE CALENDAR YEAR FROM PERFORMANCE OF THE SERVICES UNLESS A LONGER PERIOD IS REQUIRED BY LAW.

21. DISPUTES RESOLUTION

21.1 Either Party may initiate a dispute resolution by providing written notice to the other Party setting forth the subject of the claim, dispute or controversy and the requested relief. The recipient of such notice shall respond within 5 business days with a written statement of its position and a recommended solution to the Claim.

21.2 If the Parties cannot resolve the dispute through negotiation, either Party may refer the claim, dispute or controversy to a panel ("Panel") consisting of a designated senior representative from each Party ("Representative"), who shall have the authority to resolve it. The Representatives shall not have been directly involved in the Services and shall negotiate in good faith. No written or verbal representation made by either Party in the course of any Panel proceeding or other settlement negotiations shall be deemed to be a Party's admission. If the representatives are unable to resolve the dispute within 15 business days, either Party may pursue its respective legal and equitable remedies.

22. GOVERNING LAW All contract issues and matters of law will be adjudicated in accordance with the laws of the state where the Project is located, excluding any provisions or principles thereof which would require the application of the laws of a different jurisdiction.

23. TERMINATION

23.1 This Agreement may be terminated for convenience by either Party upon 30 days advance written notice. On termination, AECOM will be paid for all Services performed up through the termination date.

23.2 This Agreement may be terminated for cause by either Party if the other Party materially fails to perform its obligations under this Agreement, does not commence correction of such non-performance within 10 business days of receipt of written notice and/or fails to diligently complete such correction thereafter. The respective rights and obligations of the Parties predating such termination shall survive termination of this Agreement.

24. ASSIGNMENT

24.1 Neither Party may assign this Agreement without the written consent of the other Party, which unconcented-to assignment shall be void ab initio.

24.2 Notwithstanding Section 24.1 above, the Parties recognize that AECOM has affiliated companies who have specialized expertise, necessary certifications/registrations or other capabilities that may make use of such affiliates more suitable for the performance of all or part of the Services. AECOM shall be entitled, without additional consent, to assign this Agreement or performance of the Services, in whole or in part, to any of AECOM's subsidiaries or affiliates upon written notice to Client.

25. PARTIES IN INTEREST Nothing in this Agreement, expressed or implied, is intended to confer on any person or entity other than the Parties any right or remedy under or by reason of this Agreement. The provisions of this Agreement shall bind and inure solely to the benefit of the Parties and their respective successors and permitted assigns.

26. WAIVER Either Party may in writing waive any provisions of this Agreement to the extent such provision is for the benefit of the waiving Party. No waiver by any Party of a breach of any provision of this Agreement shall be construed to be a waiver of any subsequent or different breach.

27. SEVERABILITY AND SURVIVAL The invalidity or unenforceability of any particular provision of this Agreement shall not affect the other provisions, and this Agreement shall be construed in all respects as if any invalid or unenforceable provisions were omitted. Articles 4 (Notice), 5 (AECOM's Responsibilities), 6.2 (Reliance on Data), 8 (Confidentiality), 9 (Data Rights), 10 (Record Drawings), 11 (Electronic Records), 12 (Certification), 14 (Materials and Samples), 17 (Insurance), 18 (Indemnity), 19 (Consequential Damages Waiver), 20 (Risk Allocation), 21 (Disputes Resolution), 22 (Governing Law), 24 (Assignment), 25 (Parties in Interest) and 27 (Severability and Survival) shall survive termination of this Agreement. To the extent any provision of this Agreement violates any law, or is otherwise invalid or unenforceable, said provision shall be revised to the limited extent necessary to make that provision legal and enforceable and, to the fullest extent permitted by law, consistent with Parties' original intent.

28. PREPARATION OF AGREEMENT Each Party has had the opportunity to avail itself of legal advice and counsel. Neither Party shall be deemed to be the drafter or author of this Agreement. In the event this Agreement is subject to interpretation or construction by a court of law or panel of arbitration, such court or panel shall not construe this Agreement, or any portion hereof, against either Party as the drafter of this Agreement.

29. SIGNATURES Each person executing this Agreement warrants that he/she has the necessary authority to do so on behalf of the respective Party. This Agreement may be executed in one or more counterparts, each of which shall be deemed an original, but all of which together shall constitute a single agreement.

30. ORDER OF PRECEDENCE

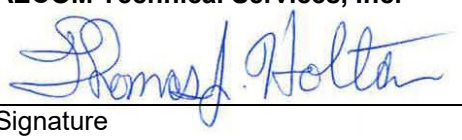
Executed Change Orders
Desgin Engineering Services Agreement Article 31 "Special Terms and Conditions"
Design Engineering Services Agreement Articles 1 through 30 and 32
EXHIBIT B Compensation and Payment
EXHIBIT A Services
Other contract documents

31. SPECIAL TERMS AND CONDITIONS .

None

32. ENTIRE AGREEMENT This Agreement contains all of the promises, representations and

understandings of the Parties and supersedes any previous understandings, commitments, proposals or agreements, whether oral or written. This Agreement shall not be altered, changed, or amended except as set forth in a written amendment to this Agreement, duly executed by both Parties. The attached **EXHIBIT C** ("Change Order"), incorporated herein by reference, is the preferred form for such use.

AECOM Technical Services, Inc.	**CLIENT: Sheboygan Water Utility**
	
Signature	Signature
Thomas J. Holtan, P.E.	
Printed Name	Printed Name
Associate Vice President	
Printed Title	Printed Title
March 31, 2021	
Date	Date
Address 2985 South Ridge Road, Suite B Green Bay, WI 54304	Address 72 Park Avenue Sheboygan, WI 53081

)

(End of page)

EXHIBIT A

SERVICES

Services:

A. DESCRIPTION OF PROJECT

The Sheboygan Water Utility (CLIENT) has requested design services of the Wisconsin Avenue Water Main Extension under the Sheboygan River and will include limited construction related services for approximately 600 feet of Sheboygan River crossing from Commerce Street to North Water Street. Project boundary is attached as exhibit 1.

B. SCOPE

Services to be provided for the Project are as follows:

Topographic Survey

AECOM will complete a topographic field survey in the project area to locate substantial existing features and ground relief, required for civil engineering design. Physical features to be surveyed include but are not limited to the following:

1. Within right-of-way (ROW)/easement:
   - Existing pavements
   - Walkways
   - Trees over four (4)-in. in diameter four (4)-ft. above the ground and/or delineate heavily wooded areas
   - Coordinate with DIGGERS HOTLINE to locate existing utilities.
   - Located utilities
   - Landscaping
   - Driveways and culverts
   - Manholes
   - Other above ground, visible physical features found during surveying activities required for design

2. River bottom profile over proposed route.

3. The field survey includes visual inspection and measure down depths of any water valves, storm or sanitary manholes.

4. The field survey also includes setting horizontal control and bench marks for construction layout purposes.

5. A base map will be created with the items located above. The base map will be in AutoCAD Civil 3D 2018 with a contour interval of one foot.

Geotechnical Investigation

The proposed scope of geotechnical engineering services for the project will consist of site investigation, laboratory testing, and geotechnical engineering recommendations. The site investigation will consist of drilling two (2) borings to a depth of 30 feet below existing grades. For the site investigation, the proposed borings will be drilled along the riverbank at or near locations where the anticipated water main will cross below the Sheboygan River. Proposed boring locations are presented on the attached exhibit 1
AECOM will provide part-time oversight during drilling activities at the site. AECOM will lay out the boring locations at the site and coordinate with our drilling subcontractor and appropriate City of Sheboygan personnel to clear the boring locations of public utilities. Our field staff will visit the site during drilling activities to confirm the progress of drilling and evaluate if any modifications to the site investigation scope of services are necessary based on the conditions which are observed at the site.

Samples collected during drilling operations will be returned to our AECOM office for further evaluation and classification by an experienced engineer or geologist. Laboratory testing consisting of determination of the natural moisture content of all collected samples will be completed and the unconfined compressive strength of cohesive materials collected at the site will be estimated using a calibrated hand penetrometer.

AECOM will prepare a geotechnical letter report for the project under the supervision of a geotechnical engineer licensed in the State of Wisconsin. Formal soil boring logs summarizing the field and laboratory testing results and the classification of the encountered soils will be prepared and will be included in the report for the project. The geotechnical report will provide recommendations needed for the design of the proposed water main crossing.

A final letter report will be provided to the CLIENT as an electronic (PDF) document, unless otherwise requested.

Assumptions

Several assumptions have been made in developing this estimate and, if not valid, will constitute a change in scope requiring an adjustment in the project cost. These assumptions are:

1. AECOM takes no responsibility for any underground structures or buried materials such as foundations, wells, septic, holding tanks, utilities, hazardous materials, or any other items which no evidence can be found on the surface by a reasonable inspection.

2. AECOM and their subcontractor will be provided access to all areas of the property during normal business hours, and there will be no delays in obtaining access. One mobilization to the property to conduct the soil borings is included in the proposed cost and conditions will be favorable for a truck mounted drill rig. If an additional mobilization is required, there may be an additional cost.

3. Soil cuttings and drilling fluid generated during drilling operations will placed in 55-

gallon steel drums and remain at each boring location. Disposal of drummed cuttings will be completed by others.

4. Unless otherwise stated, this cost estimate assumes normal drilling conditions through soils having SPT blow counts <50/6-inches. If difficult drilling conditions (e.g. soils having SPT blow counts >50/6-inches, coarse gravel strata, weathered bedrock, fill materials such as rubble, demolition debris with wood, concrete and rebar, etc.) are encountered, or other assumed conditions are different, additional charges may apply.

   All samples taken for tests will be retained for at least 60 days after the submittal of the geotechnical letter report prior to disposal.

5. Two borings will be advanced, one on east banks and one on the west bank. No borings will take place within the Sheboygan River.

Design Services

1. Prepare construction bidding documents 2-plan sheets with a horizontal scale 1”=20’ and a vertical scale 1’=2’ in AutoCAD .dwg format, details and specifications in Client format appropriate for receiving competitive bids for the following approximate quantities:

   - Water Main 600 feet

2. Submit plans for approval from the Wisconsin Department of Natural Resources.

3. Prepare an estimate of quantities and a statement of probable cost for the proposed construction.

4. Submit 50%, 90% and final bidding documents to the CLIENT for review and approval.

5. Attend two Client meetings to inform the CLIENT of the status of the project.

6. Obtain prevailing state wage rates if applicable.

7. Assist Client with bidding activities including preparation of bid notice for CLIENT submittal, respond to bidding questions as requested, preparation of bid tabs and letter of recommendation.

Sheboygan River Crossing Construction Related Services

8. Attend preconstruction conference.

9. Provide one set of construction stakes.

10. Furnish a construction administrator who will visit the site at intervals appropriate to the stages of construction to become generally familiar with the progress and quality of work and to determine, in general, if the work is proceeding in accordance with the contract documents. During such visits and on the basis of on-site observations, AECOM shall keep the CLIENT informed of the progress of the work, shall endeavor to guard the CLIENT against defects and deficiencies in the work of the Contractor, and will reject work found not in conformance with the contract documents. Assumed 1 visit a week, 2 hours each visit for 5 weeks.

11. Review shop drawings and other data required to be furnished by the Contractor for conformance to the design intent as given in the contract documents.

12. Revise the original drawings upon the completion of the project in accordance with construction records supplied by the Contractor, and supply the CLIENT with one set of prints of the revised record drawings.

13. Perform a field observation of the completed contract before recommending final payment as set forth in the application from the Contractor.

C. ASSUMPTIONS/CONDITIONS

This Agreement is subject to the following assumptions/conditions:

1. Design and bid package will be completed by September 30, 2021.

2. Construction will occur in 2022.

3. No wetland mitigation is required.

4. No Environmental investigations, hazardous materials management will be required.

5. Federal or State funds are not being utilized for this project.

6. The Utility while pay all required fees.

D. ADDITIONAL SERVICES

AECOM will provide the following services, on an “as needed” basis at the request of the CLIENT, for additional compensation:

1. Prepare easement descriptions and exhibits if needed for the project.

2. Other services requested by CLIENT.

E. CLIENT RESPONSIBILITIES

The CLIENT, at its expense, shall provide the following:

1. Agrees to meet with AECOM representatives, if required, and make timely decisions regarding design details.

2. Assist with obtaining permission to drill on City of Sheboygan property.

3. Provide all criteria and full information as to the Utility's requirements for the Project. Provide interim reviews on an agreed-upon schedule, make decisions on Project alternatives, and generally participate in the Project to the extent necessary to allow AECOM to perform the Services stated.

4. Pay all permit and review fees that may be required directly to the agency requiring fee submittal.

F. COMPENSATION, BILLING, AND PAYMENT

CLIENT shall pay AECOM for the Services in accordance with the terms of this Proposal. The estimated fee for the additional services is:

Topographic Survey:	$7,500.00
Geotechnical Investigation:	$8,975.00
Design and Bidding Documents: (scope items 1 through 7)	$21,450.00
Construction Related Services: (scope items 8 through 13)	$9,950.00
TOTAL ESTIMATED FEE	$47,875.00

Schedule:

Final bidding documents and estimate of probable cost-September 30, 2021

Deliverables:

50% Design documents
90% Design documensts
Final Design and bidding documents

AECOM Project Manager

Tom Holtan
2985 SOUTH Ridge Road, Suit B
Green Bay, WI 54304
920-406-3176
tom.holtan@aecom.com

Client Project Manager

Dave McMillan
Distribution Supervisor
72 Park Avenue
Sheboygan, WI 53081
920-459-3839
davemcmillan@sheboyganwater.org

(End of page)

EXHIBIT B

COMPENSATION AND PAYMENT

1 COMPENSATION The Services set forth in **EXHIBIT A** will be compensated on the following basis:

[ ] Advance retainer of [$ 0] The advance retainer is to be applied to the final invoice. Any remainder will be returned to Client within 30 days of receipt of final payment.

:

[ ] Time & Material **-** See Section 2.1 for Hourly Labor Rates

[X] Time and Materials with a Not-to-Exceed ("NTE") amount of ($ *47,875.00*). The Hourly Labor Rates (if applicable) are as in Section 2.1 below. Reimbursable expenses are included in the overall NTE cap.

[ ] Lump Sum [$]:

[ ] Cost Plus Fixed Fee: [Cost $ and Fee $]

[ ] Other: .

2. RATE SCHEDULE Compensation shall be based on the following Hourly Labor Rate Schedule:

2.1 **HOURLY LABOR RATE SCHEDULE**
INTENTIONALLY OMITTED

2.2 **OTHER HOURLY LABOR RATE CATAGORIES** If additional labor categories are authorized during the performance of this Agreement, compensation for each additional category will be negotiated at the time the additional Services are authorized.

2.3 **ANNUAL HOURLY LABOR RATE ADJUSTMENTS** The Hourly Labor Rate Schedule is adjusted each calendar year to reflect updated labor cost categories. Labor cost of Services authorized in subsequent calendar years will be based on the applicable Hourly Labor Rate Schedule for those years.

3. REIMBURSEABLE EXPENSES Reimbursable expenses are expenditures made by AECOM for goods, travel expenses and vendor services in support of the performance of the Services. Such expenditures will be billed at the actual cost to AECOM plus ten percent (10%) to cover related administrative costs.

4. CHANGE ORDERS The Parties may at any time and by written agreement make changes in the Services, Project Schedule, Deliverables, Compensation or other terms and conditions in this Agreement. The Parties shall effect such change through the use of a written Change Order. **EXHIBIT C** is the preferred form for such use.

5. INVOICING AECOM will invoice Client on a monthly basis unless otherwise set forth herein.

6 PAYMENT

6.1 If payment is based on Time and Materials with a NTE, once AECOM reaches the NTE, AECOM will stop further Services pending a Change Order to adjust the budget and schedule for the continued performance of the Services.

6.2 Timely payment is a material term of this Agreement. Client shall pay all undisputed portions of AECOM's invoices within 30 days of receipt without holdback or retention. Client shall notify AECOM within fourteen (14) days of the receipt of the invoice of any disputed items. Such notice must be accompanied by a detailed description of any disputed items and include supporting documentation as well as references to the provision(s) of this Agreement which permit a holdback or retention. If such notice is not provided within fourteen (14) days, Client waives its rights to dispute the invoice Undisputed amounts remaining unpaid 30 days after the invoice date shall bear interest at the rate of 1.5% per month on the unpaid balance and AECOM may suspend the Services pending receipt of such payment. In addition, AECOM retains its unrestricted rights under Article 23 (Termination) of the Agreement.

6.3 If the Project is suspended by Client for more than 30 days, AECOM shall be paid for all Services performed prior to the effective date of suspension within 30 days of such suspension. Upon resumption of the Project, AECOM shall be entitled to an equitable adjustment in cost and schedule to compensate AECOM for expenses incurred as a result of the interruption and resumption of the Services.

6.4 To the extent that completion of the Services is delayed beyond the original scheduled completion date and such delay is not the fault of AECOM, an equitable adjustment shall be made to AECOM's Compensation and Project Schedule.

6.5 Except as otherwise specifically provided herein, Client shall pay or reimburse AECOM, as appropriate, for all categories of taxes other than income tax, including without limitation, sales, consumer, use, value added, gross receipts, privilege, and local license taxes related to the Services.

6.6 Client shall make payments to AECOM using one of the following methods:

6.6.1 AECOM LOCKBOX:

AECOM Technical Services, Inc.
1178 Paysphere Circle
Chicago, IL 60674

6.6.2 ELECTRONIC FUNDS TRANSFER/ACH PAYMENT:

Account Name: AECOM Technical Services, Inc.
Bank Name: Bank of America
Address1: Building D
Address2: 2000 Clayton Road
City/State/Zip: Concord, CA 94520-2425
Account Number: 5800937020
ABA Routing Number: 071000039

6.6.3 WIRE TRANSFER:

Account Name: AECOM Technical Services, Inc.
Bank Name: Bank of America
Address: 100 West 33rd St
City/State/Zip: New York, NY 10001
Account Number: 5800937020
ABA Routing Number: 026009593
SWIFT Code: BOFAUS3N

6.6.4 Questions related to payment can be sent to:

AECOM Cash Applications Supervisor by phone at (804) 515-8490 or by email at cashappsremittance@aecom.com

(End of page)

AECOM Project Name: _____
AECOM Project No.: _____
Change Order No.: _____

EXHIBIT C

SAMPLE CHANGE ORDER FORM

In accordance with the Consulting Services Agreement dated ___ 20___ between _____("Client"), and _____, a _____ corporation, ("AECOM"), this Change Order, with an effective date of _____, 20_____ modifies that Agreement _____ as follows:

1. **Changes to the Services**:

2. **Change to Deliverables**:

3. **Change in Project Schedule** (attach schedule if appropriate):

4. **Change in CONSULTANT's Compensation**:

The Services set forth in this Change Order will be compensated on the following basis:

[ ] No change to Compensation

[ ] Time & Material (See **EXHIBIT B** for the Hourly Labor Rate Schedule)

[ ] Time and Materials with a Not- to-Exceed amount of $_____. The Hourly Labor Rate Schedule is set forth in **EXHIBIT B** (if applicable). Reimbursable expenses are included in the overall Not to Exceed cap.

[ ] Lump Sum $ _____

Milestone/Deliverable & Date	Payment Amount
	$

[ ] **Cost Plus Fixed Fee:** Cost $ _____ and Fee $ _____

Therefore, the total authorized Compensation, inclusive of this Change Order is $ _____.

5. **Project Impact**:

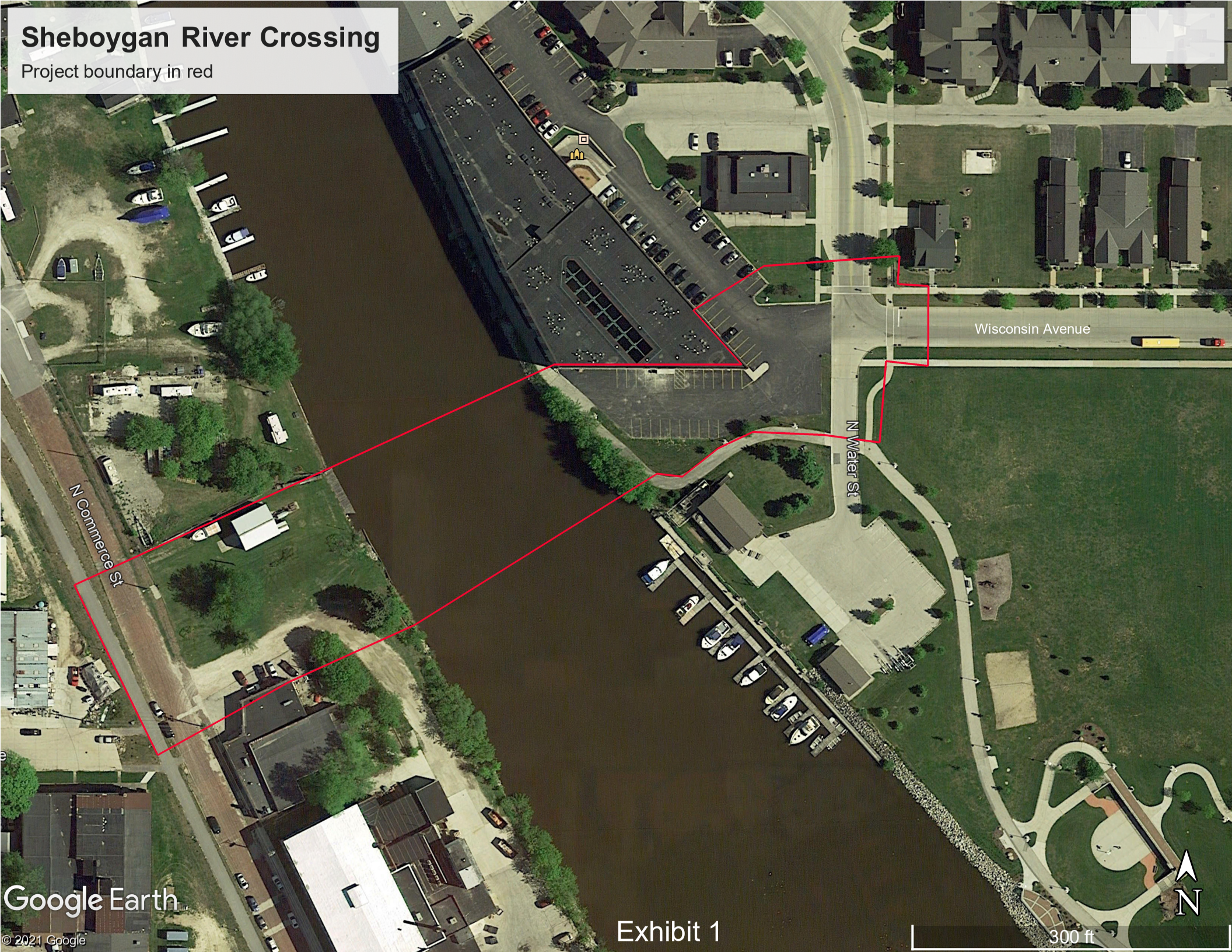
6. **Other Changes** (including terms and conditions):

7. All other terms and conditions of the Agreement remain unchanged.

8. Each Party represents that the person executing this Change Order has the necessary legal authority to do so on behalf of the respective Party.

AECOM Technical Services, Inc.	**CLIENT:**
Signature	Signature
Printed Name	Printed Name
Printed Title	Printed Title
Date	Date
Address	Address

[End of Agreement]

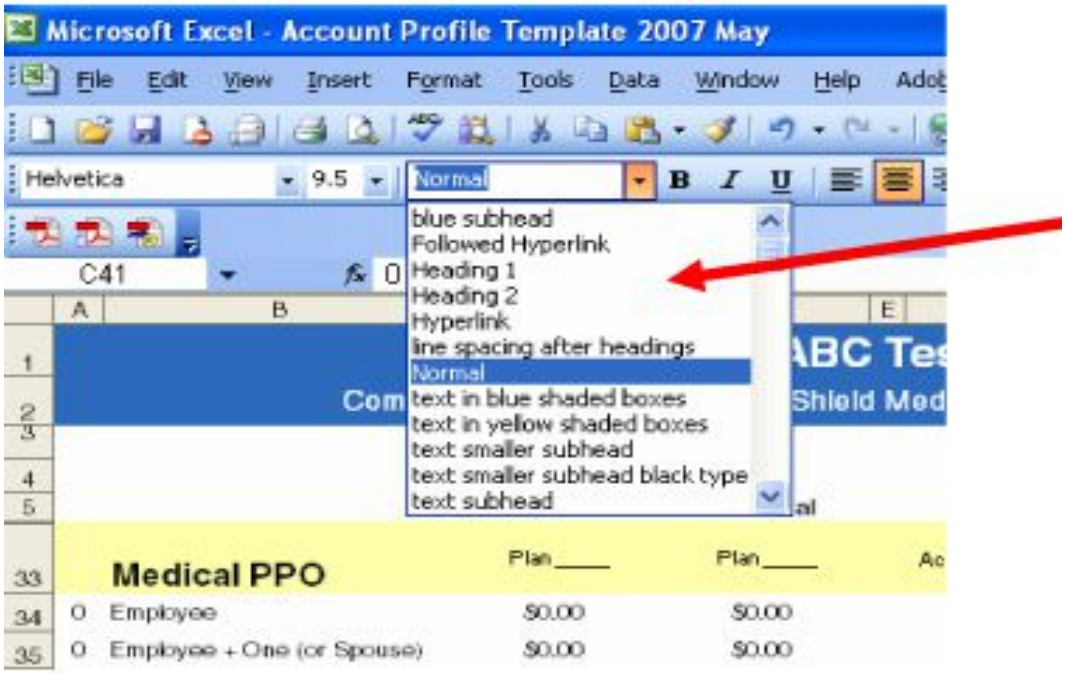

Sheboygan River Crossing
Project boundary in red
Wisconsin Avenue
N Water St
N Commerce St
Google Earth
© 2021 Google
Exhibit 1
300 ft
N

Tips and Tricks for the Employee Benefits Account Profile Document

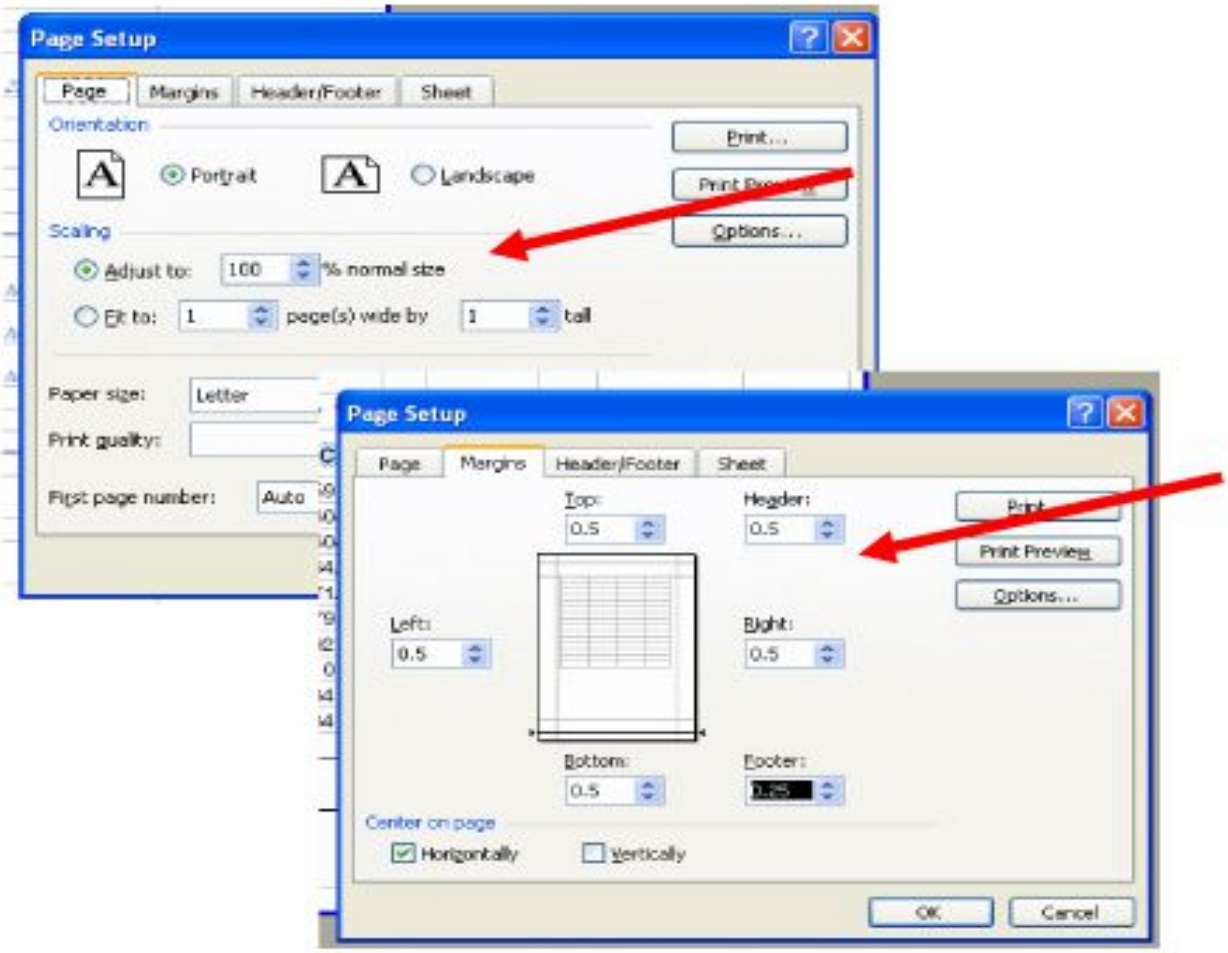
1 This file is formatted to comply with the Hub branding guidelines. Please do not modify the colors, fonts, or logo usage. Each sheet also contains an automated date stamp and necessary disclaimers.

2 For the best print result, send your file to the Konica on either 12 or 14b. If you do not have access to one (or both), just send a request to help desk.

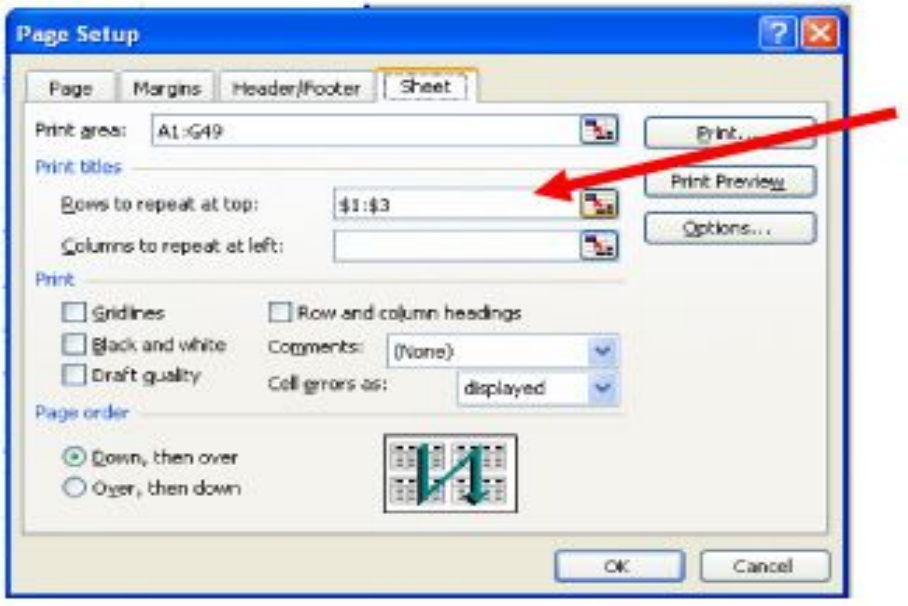
3 The cells in this file are all formatted through the style palette. Everything you need for body text, headings, subheadings, etc is in this list. When transferring information from an older file, it will be easier to re-enter data in this excel file than to restyle an entire worksheet. For new text, use the style palette. Avoid abbreviations.



4 All sheets are set to be printed at 100% with .5" margins (except for a couple). Do not change these settings.

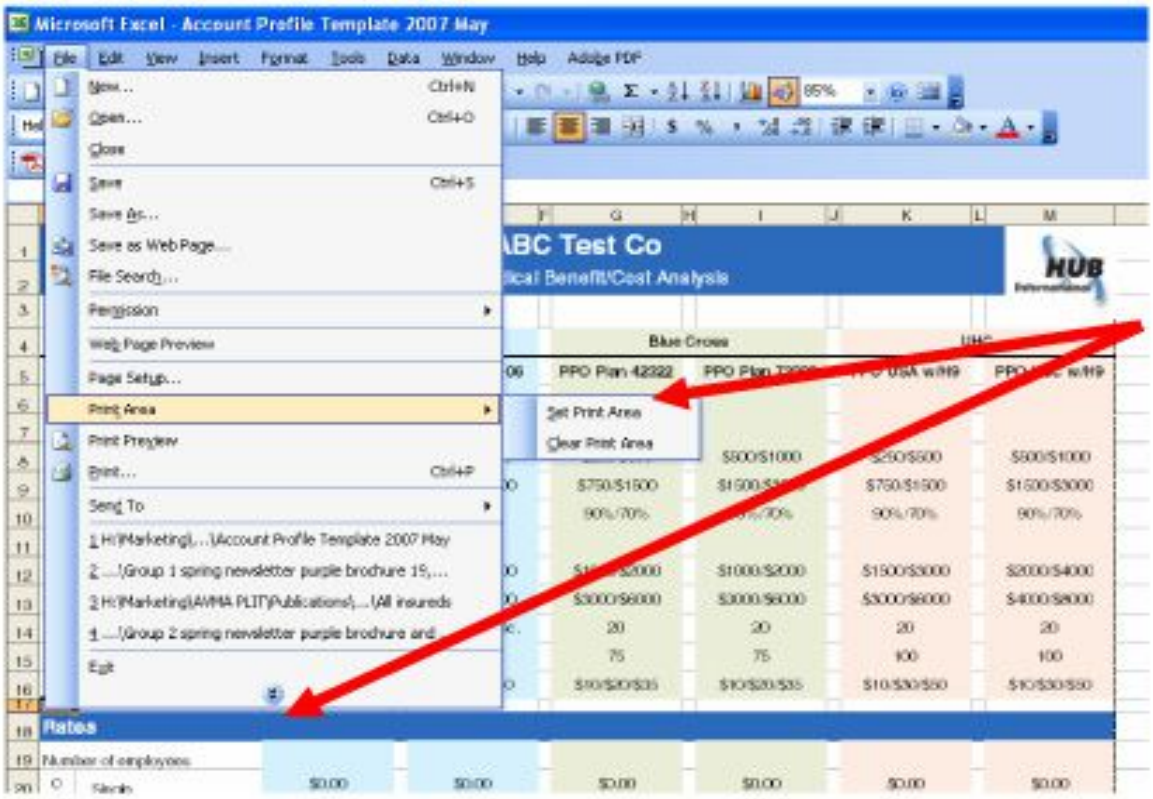


5 The top three rows are programmed to print on all pages when the worksheet exceeds a single page.

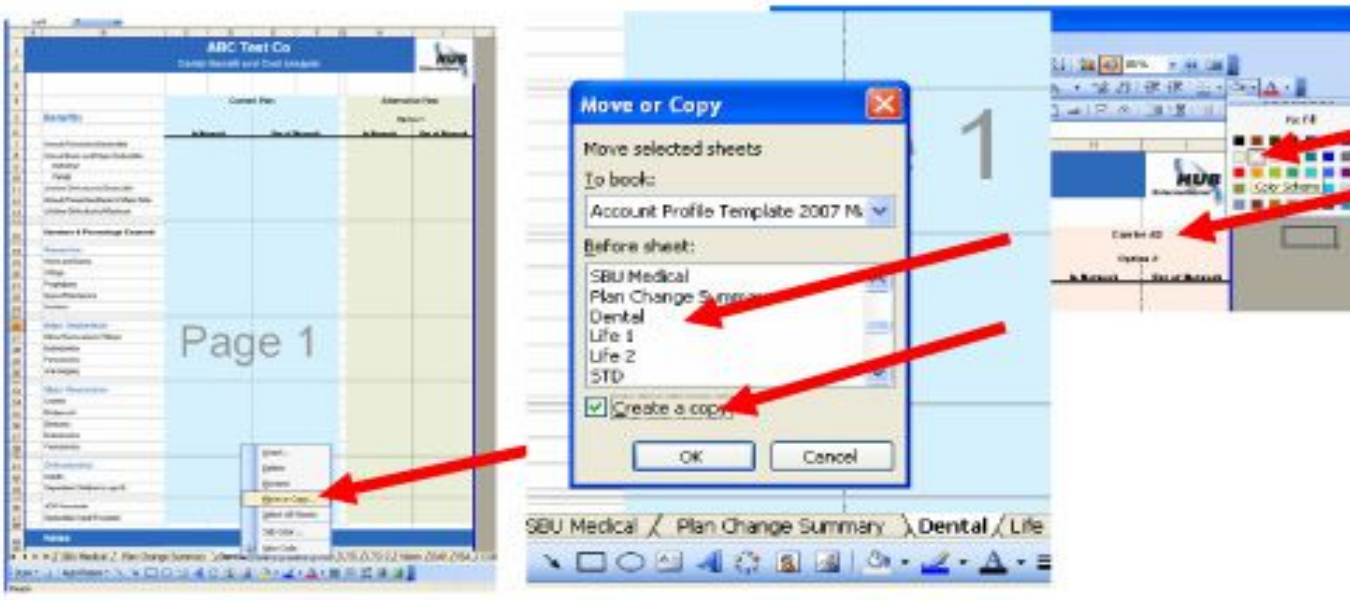


6 Cover - only print page one (otherwise it prints an extra three pages due to the image placements). Once you enter the client name on the cover, it will populate on all worksheets

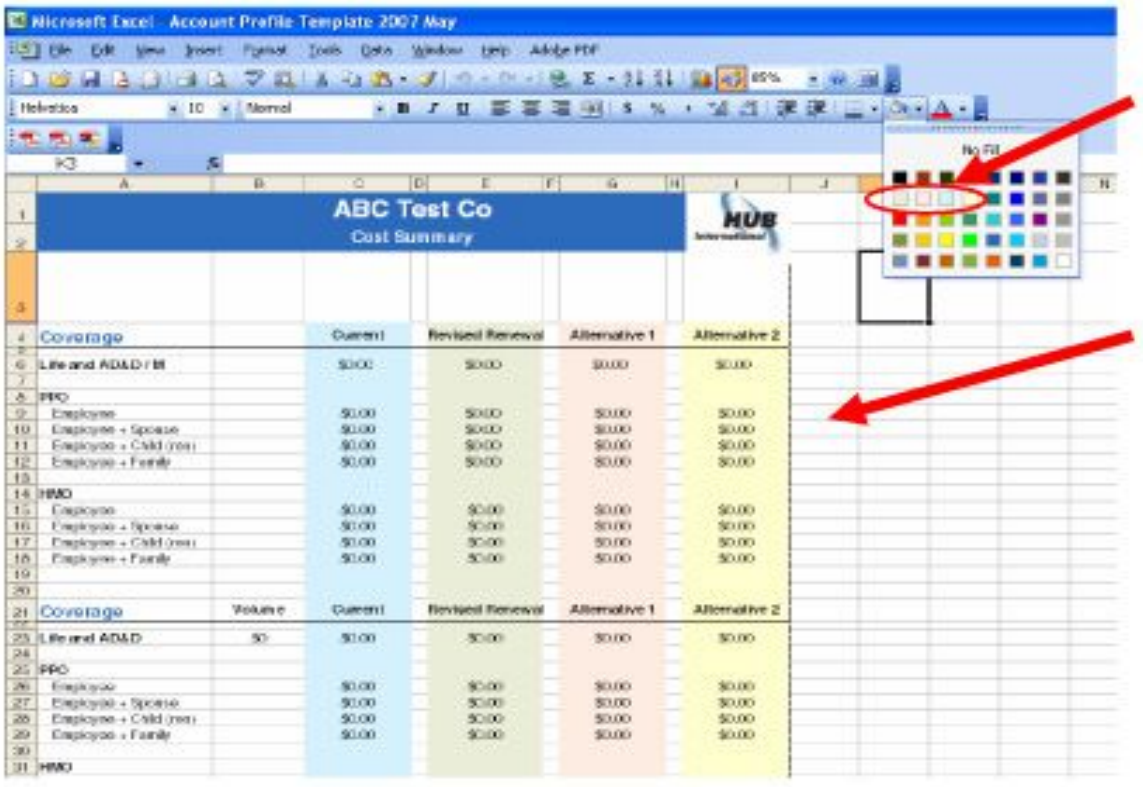
7 All rates are offset by a horizontal blue bar. Use the **print area** function to show or hide this information. This template is set to print the rate information.



8 Do not show more than three carriers. If necessary, copy the sheet to maintain style, formulas, and current carrier information. Then, replace applicable cells with the new options.



9 The color order for columns is blue, green, pink, and then yellow. These can be found in the paint bucket palette.

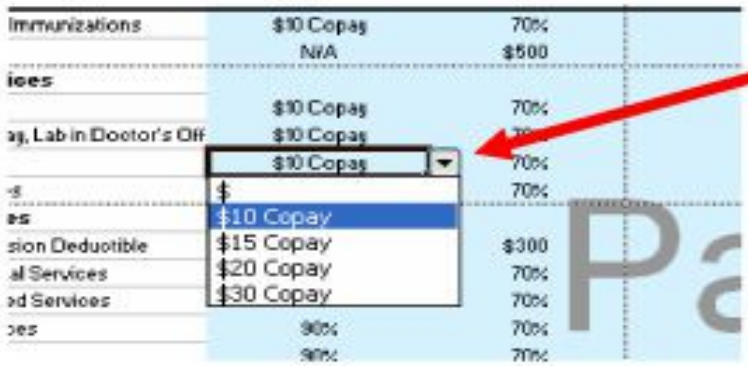


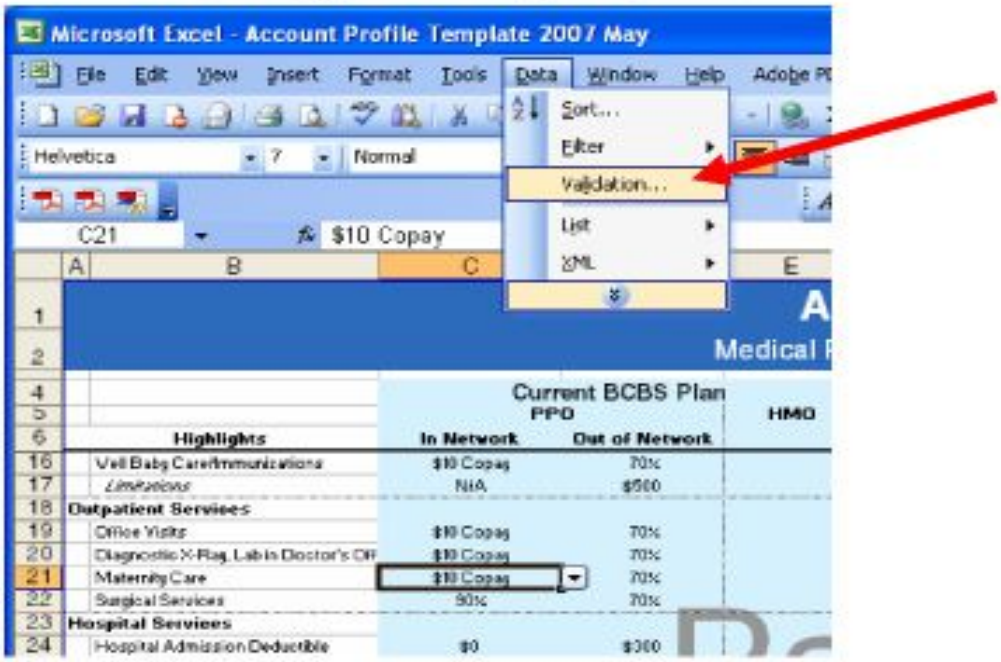
10 The logo is formatted not to move or resize. If you need to add or hide/unhide columns, you'll need to right click on the logo, select **format object,** then select the **properties** tab, then click on the **move but do not resize** option. When making these types of changes, please make sure the logo is not distorted and appears like this:

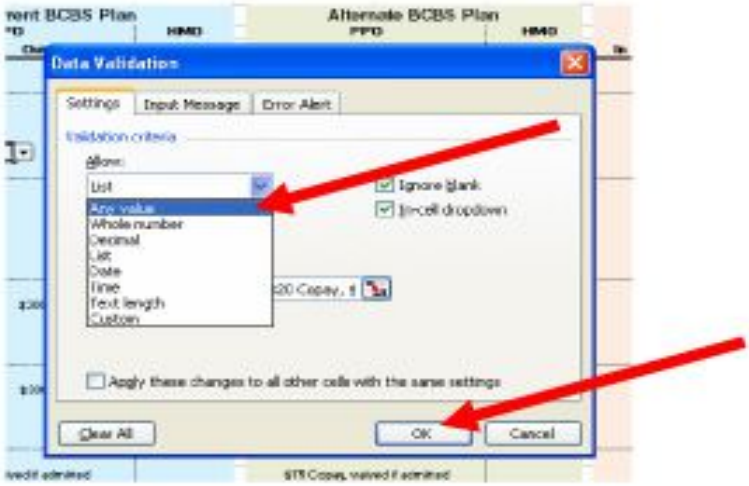
11 Do not change formulas. Please see Christine with any questions.

12

If there is a cell with drop down options that you cannot use, you will need to clear the drop down function to enter your data. On the **Data** menu, click **Validation**. In the **Settings** tab under **Allow**, click **Any Value** from the drop down list and then click **Ok**. You can now enter any number in the worksheet cell.







Sheboygan Board of Water
June 1, 2021
Aggregating Specific
Stop Loss Medical Benefit / Cost Analysis

Prairie State Enterprises

Coverage	Current			Renewal /Option 1			Option 2			Option 4		
Benefit Highlights	North Wind LLC/Greenwich Insurance			North Wind LLC/Greenwich Insurance			North Wind LLC/Greenwich Insurance			North Wind LLC/Greenwich Insurance		
Specific Deductible	$60,000			$60,000			**$70,000**			**$80,000**		
Specific Contract Type	12/15			12/15			12/15			12/15		
Aggregate Speciofic Corridor	$27,000			$27,000			$27,000			$27,000		
Laser Information	$350K & $150K Lasers			Lasers: $400K w/Conditional Laser to $1.5M			Lasers: $400K w/Conditional Laser to $1.5M			Lasers: $400K w/Conditional Laser to $1.5M		
Employee Only	7			7			7			7		
Family	26			26			26			26		
	PEPM	Monthly	Annual	PEPM	Monthly	Annual	PEPM	Monthly	Annual	PEPM	Monthly	Annual
Specific Stop Loss Employee	$211.59	$1,481.13	$17,773.56	$315.93	$2,211.51	$26,538.12	$279.55	$1,956.85	$23,482.20	$249.76	$1,748.32	$20,979.84
Specific Stop Loss Family	$589.53	$15,327.78	$183,933.36	$884.18	$22,988.68	$275,864.16	$788.31	$20,496.06	$245,952.72	$708.67	$18,425.42	$221,105.04
Aggregate Stop Loss Premium	$50.47	$1,665.51	$19,986.12	$64.68	$2,134.44	$25,613.28	$72.71	$2,399.43	$28,793.16	$80.25	$2,648.25	$31,779.00
Medical Administration	$19.45	$641.85	$7,702.20	$19.45	$641.85	$7,702.20	$19.45	$641.85	$7,702.20	$19.45	$641.85	$7,702.20
COBRA & HIPPA	$1.35	$44.55	$534.60	$1.35	$44.55	$534.60	$1.35	$44.55	$534.60	$1.35	$44.55	$534.60
Dental Administration	$3.90	$128.70	$1,544.40	$3.90	$128.70	$1,544.40	$3.90	$128.70	$1,544.40	$3.90	$128.70	$1,544.40
Flexible Spending Administration	$7.45	$245.85	$2,950.20	$7.45	$245.85	$2,950.20	$7.45	$245.85	$2,950.20	$7.45	$245.85	$2,950.20
PPO Data Maintenance	$1.25	$41.25	$495.00	$1.25	$41.25	$495.00	$1.25	$41.25	$495.00	$1.25	$41.25	$495.00
PPO Health Payment Systems	$5.50	$181.50	$2,178.00	$5.50	$181.50	$2,178.00	$5.50	$181.50	$2,178.00	$5.50	$181.50	$2,178.00
Utilization Management	$4.60	$151.80	$1,821.60	$4.60	$151.80	$1,821.60	$4.60	$151.80	$1,821.60	$4.60	$151.80	$1,821.60
Broker Services	$2.50	$82.50	$990.00	$2.50	$82.50	$990.00	$2.50	$82.50	$990.00	$2.50	$82.50	$990.00
PSE Analytics and Reporting	$1.05	$34.65	$415.80	$1.05	$34.65	$415.80	$1.05	$34.65	$415.80	$1.05	$34.65	$415.80
		$20,027.07	**$240,324.84**		$28,887.28	**$346,647.36**		$26,404.99	**$316,859.88**		$24,374.64	**$292,495.68**
						44.24%			31.85%			21.71%
						$106,322.52			$76,535.04			$52,170.84
Employee Only	$524.23	$3,669.62	$44,035.49	$513.96	$3,597.72	$43,172.64	$528.35	$3,698.46	$44,381.57	$540.69	$3,784.82	$45,417.79
Family	$1,577.06	$41,003.66	$492,043.97	$1,563.02	$40,638.62	$487,663.49	$1,606.79	$41,776.59	$501,319.10	$1,644.30	$42,751.70	$513,020.35
		$44,673.29	***$536,079.46***		$44,236.34	***$530,836.13***		$45,475.06	***$545,700.67***		$46,536.51	***$558,438.14***
Expected Cost (Fixed + Claims)		$64,700.36	**$776,404.30**		$73,123.62	**$877,483.49**		$71,880.05	**$862,560.55**		$70,911.15	**$850,933.82**
Employee Only	$655.29	$4,587.03	$55,044.36	$642.45	$4,497.15	$53,965.80	$660.44	$4,623.08	$55,476.96	$675.86	$4,731.02	$56,772.24
Family	$1,971.33	$51,254.58	$615,054.96	$1,953.78	$50,798.28	$609,579.36	$2,008.49	$52,220.74	$626,648.88	$2,055.37	$53,439.62	$641,275.44
		$55,841.61	***$670,099.32***		$55,295.43	***$663,545.16***		$56,843.82	***$682,125.84***		$58,170.64	***$698,047.68***
Maximum Cost (Fixed + Aggregate)		$75,868.68	**$910,424.16**		$84,182.71	**$1,010,192.52**		$83,248.81	**$998,985.72**		$82,545.28	**$990,543.36**
% Increase/Decrease (Max Cost)						10.96%			9.73%			8.80%
$ Increase/Decrease (Max Cost)						$99,768.36			$88,561.56			$80,119.20

HEALTH INSURANCE ANALYSIS – PLAN YEAR 6/1/21 TO 5/31/22

Medical Benefit/Cost Analysis was provided by J. Meyer, HUB International (attached)
Summary by Lisa Gottsacker, CPA-

When reviewing the Health Insurance Cost Analysis May 2021, and comparing the self-insured health plan to the estimate of fully insured plans over the past ten years, 2011 – 2020, the cost of the SWU self-insured plan has been competitive, with total actual costs of $6,194,059 during that time, compared to estimated fully insured plan costs of $6,145,611. In years 2019 and 2020, SWU saw an increase in claims over previous years, and has taken steps to review health insurance options that will provide a good benefit for employees at a reasonable cost to both employees and SWU.

Proposal – Fully Insured Plans

SWU was presented with ten fully insured options with varying costs, coverages, and benefits. Deductibles in these plans were comparable to deductibles in the proposed SWU self-insured plan, but out-of-pocket costs increased significantly in most offerings. Coverages decreased to a split of 80% coverage after deductible with 20% paid by the employee. These plans generally limit choice of doctors and/or facilities to certain in-network providers. Annual proposed costs for the fully insured plans range from $651,134 - $808,652. (See attached fully insured proposals).

Choosing a fully insured plan would eliminate the need for stop loss coverage and associated fees. Costs are fixed during the plan year, simplifying the budgeting process, with fixed cash flow. Costs would shift to employees with an increase in out-of-pocket costs, and a reduction in coverage to 80% after deductible. Fully insured plans generally limit choice of doctors and facilities to in-network providers, and are a fixed benefit without flexibility to change benefit components like coverage percentages, deductibles, and out-of-pockets costs.

If a fully insured plan is chosen, SWU would lose administration of the following:

Medical administration
Dental & vision administration
COBRA administration
Flex Spend administration
HIPPA administration

SWU would have to contract for these services currently provided in the self-insured plan, and those additional fees should be considered when reviewing the fully insured proposals. Fully insured plans also do not offer coverage to retirees.

Proposal – Self-Insured Plans

There are two self-insured plans available to SWU, both with no out-of-pocket amounts after deductibles of $600 single/$1200 family. Coverages would remain at 100% after deductible. One plan offers a $60,000 stop loss, while the other is $70,000 stop loss. Total annual costs are proposed at $980,705 and $962,120, respectively. Estimated fixed costs are $339,563 and $310,149, and claims are estimated at $641,142 and $651,971, respectively. These plan costs do not include lasers. (See attached self-insured proposals).

There is significant risk in providing a self-insured plan. A few large claims can adversely affect the budget and cash flow, as in 2019 and 2020, the years with the highest claims. With the addition of stop loss coverage, those risks are mitigated, but that comes at a cost in higher monthly fees. Self-insured plans provide flexibility in crafting a health plan each year based on costs and benefits provided. An increase in premiums, deductibles, out-of-pocket, or changing the percent of coverage, can all be decided upon by SWU. This flexibility can help contain increasing costs. One feature of the self-insured plan is the administration of other benefits, as mentioned above, and is included in the fixed costs.

Current Costs – based proposed self-insured plan

In 2020, employees and retirees contributed $116,522 in premiums, or 12% of total costs of $953,390, which includes all lasered costs. Total proposed costs for the self-insured health plan in 2021 is $1,049,111. Retirees will contribute $22,887, or 2% of total cost. This is 100% of the COBRA premium for coverage. Employees choosing the single plan will contribute $7,200 in premiums, 0.6% of total cost. No increase in premium is proposed for employees on the single plan, as the premium paid meets average contribution in the industry. A premium increase is proposed for employees choosing the family plan from $300 per month to $375 per month, for premiums totaling $105,300, or 10% of total cost. In all, proposed premiums will contribute $135,387, or 13% of total costs.

Summary

A self-insured health plan has been a cost-effective option for SWU until recent years. With increasing claims and health insurance costs, it's important to review and adjust benefits to meet those challenges. These difficult decisions are necessary to contain costs and stay competitive. Health insurance is the most important benefit offered at SWU. Employees and their families depend on coverage at affordable rates. Management and staff depend on healthy employees and families so employees can effectively perform their duties each day. The ability to recruit and retain talented employees is difficult, and a great health insurance plan is an attractive benefit. As a public utility, SWU is limited in the benefits offered compared to private industry, and a limited budget for wage increases. This makes an attractive, affordable health insurance plan a critical tool for recruitment and retention of the best employees.

Medical Plan Redesign (no HRA)

May 14, 2021
Updated from
January 14, 2021

Specific Examples for Sheboygan Water Utility

In-Network Plan Design		Current	Alternative A
Deductible	Single Family	$600 $1200	$600 $1200
Coinsurance (*plan/employee share*)		100%/0%	**80%/20%**
Out-of-Pocket Maximum ***(includes deductible, coinsurance and copays-medical and Rx)***	Single Family	$850 $1,800	**$1,500** **$3,000**
Health Fund (*first dollar HRA*)	Single Family	not available not available	not available not available
Other Provisions	Preventive Care Office Visits -Private Clinic -All Other (*PCP/Specialist*) Prescription Drugs -Generic -Formulary/Non-Formulary	100%/0%; no ded. not available 100%/0%; after ded. $10 flat copay $30/$60 flat copays	100%/0%; no ded. 100%/0%; no ded. **$40/$80 flat copay** $10 flat copay **70%/30% all other**
Savings Estimate (*applicable to ER and/or EE premiums*)			$26-$29k/year

DOLLAR RANGE SHOWN IS BASED ON ACTUARIAL VALUES APPLIED TO ADJUSTED 2020 NET CLAIMS AFTER STOP LOSS
DOES NOT FACTOR IN PRIVATE CLINIC FINANCIAL IMPACT

Specific Examples for Sheboygan Water Utility

In-Network Plan Design		Current	Alternative B
Deductible	Single Family	$600 $1200	**$750** **$1500**
Coinsurance (*plan/employee share*)		100%/0%	**80%/20%**
Out-of-Pocket Maximum ***(includes deductible, coinsurance and copays-medical and Rx)***	Single Family	$850 $1,800	**$1,500** **$3,000**
Health Fund (*first dollar HRA*)	Single Family	not available not available	not available not available
Other Provisions	Preventive Care Office Visits -Private Clinic -All Other (*PCP/Specialist*) Prescription Drugs -Generic -Formulary/Non-Formulary	100%/0%; no ded. not available 100%/0%; after ded. $10 flat copay $30/$60 flat copays	100%/0%; no ded. 100%/0%; no ded. **$40/$80 flat copay** $10 flat copay **70%/30% all other**
Savings Estimate (*applicable to ER and/or EE premiums*)			$27-$30k/year

DOLLAR RANGE SHOWN IS BASED ON ACTUARIAL VALUES APPLIED TO ADJUSTED 2020 NET CLAIMS AFTER STOP LOSS
DOES NOT FACTOR IN PRIVATE CLINIC FINANCIAL IMPACT

Specific Examples for Sheboygan Water Utility

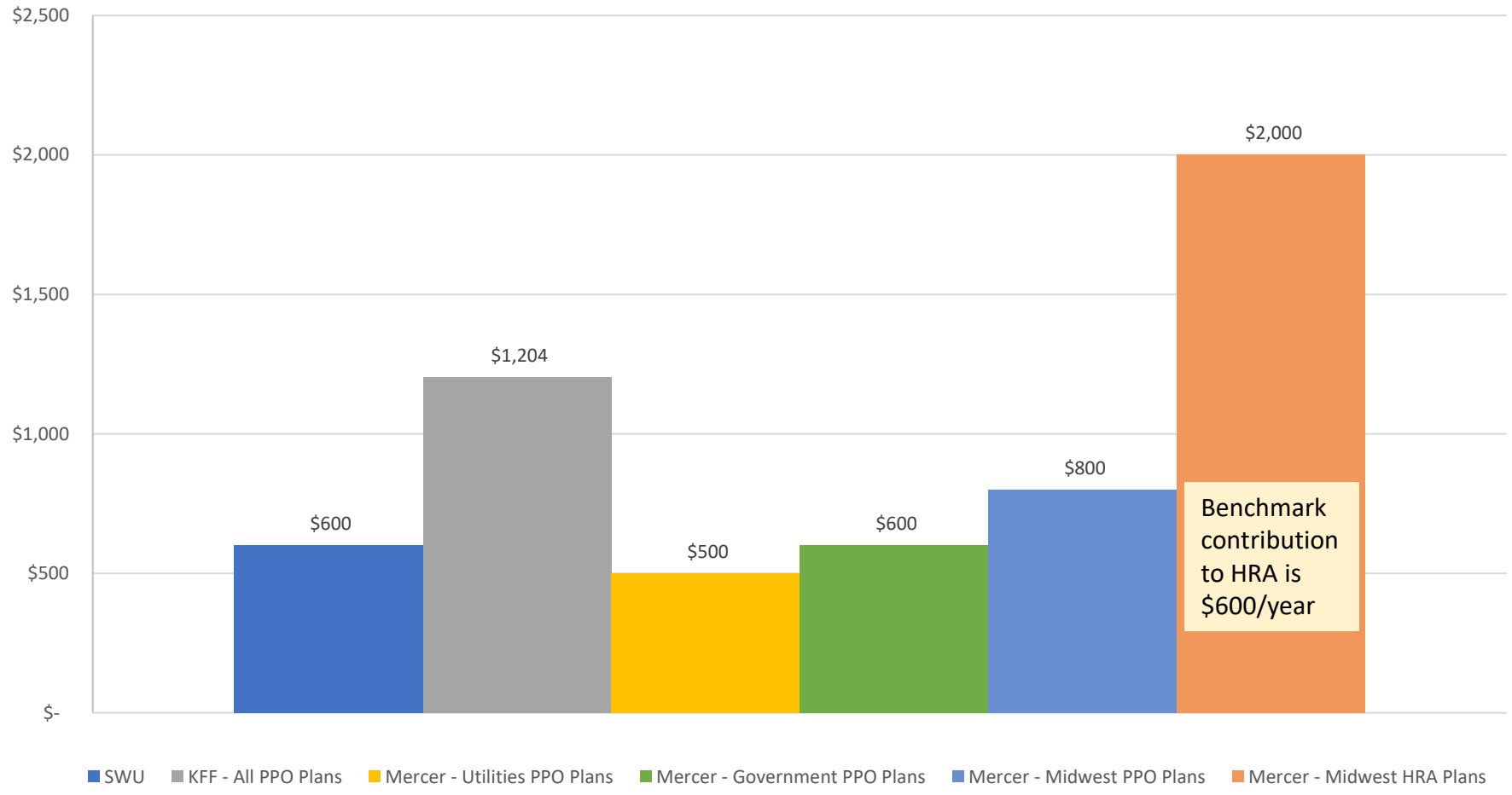
In-Network Plan Design		Current	Alternative C
Deductible	Single Family	$600 $1200	$600 $1200
Coinsurance (*plan/employee share*)		100%/0%	**80%/20%**
Out-of-Pocket Maximum ***(includes deductible, coinsurance and copays-medical and Rx)***	Single Family	$850 $1,800	**$2,000** **$4,000**
Health Fund (*first dollar HRA*)	Single Family	not available not available	not available not available
Other Provisions	Preventive Care Office Visits -Private Clinic -All Other (*PCP/Specialist*) Prescription Drugs -Generic -Formulary/Non-Formulary	100%/0%; no ded. not available 100%/0%; after ded. $10 flat copay $30/$60 flat copays	100%/0%; no ded. 100%/0%; no ded. **$40/$80 flat copay** $10 flat copay **70%/30% all other**
Savings Estimate (*applicable to ER and/or EE premiums*)			$34-$38k/year

**DOLLAR RANGE SHOWN IS BASED ON ACTUARIAL VALUES APPLIED TO ADJUSTED 2020 NET CLAIMS AFTER STOP LOSS*
DOES NOT FACTOR IN PRIVATE CLINIC FINANCIAL IMPACT

Reference Material

Medical Benchmarking

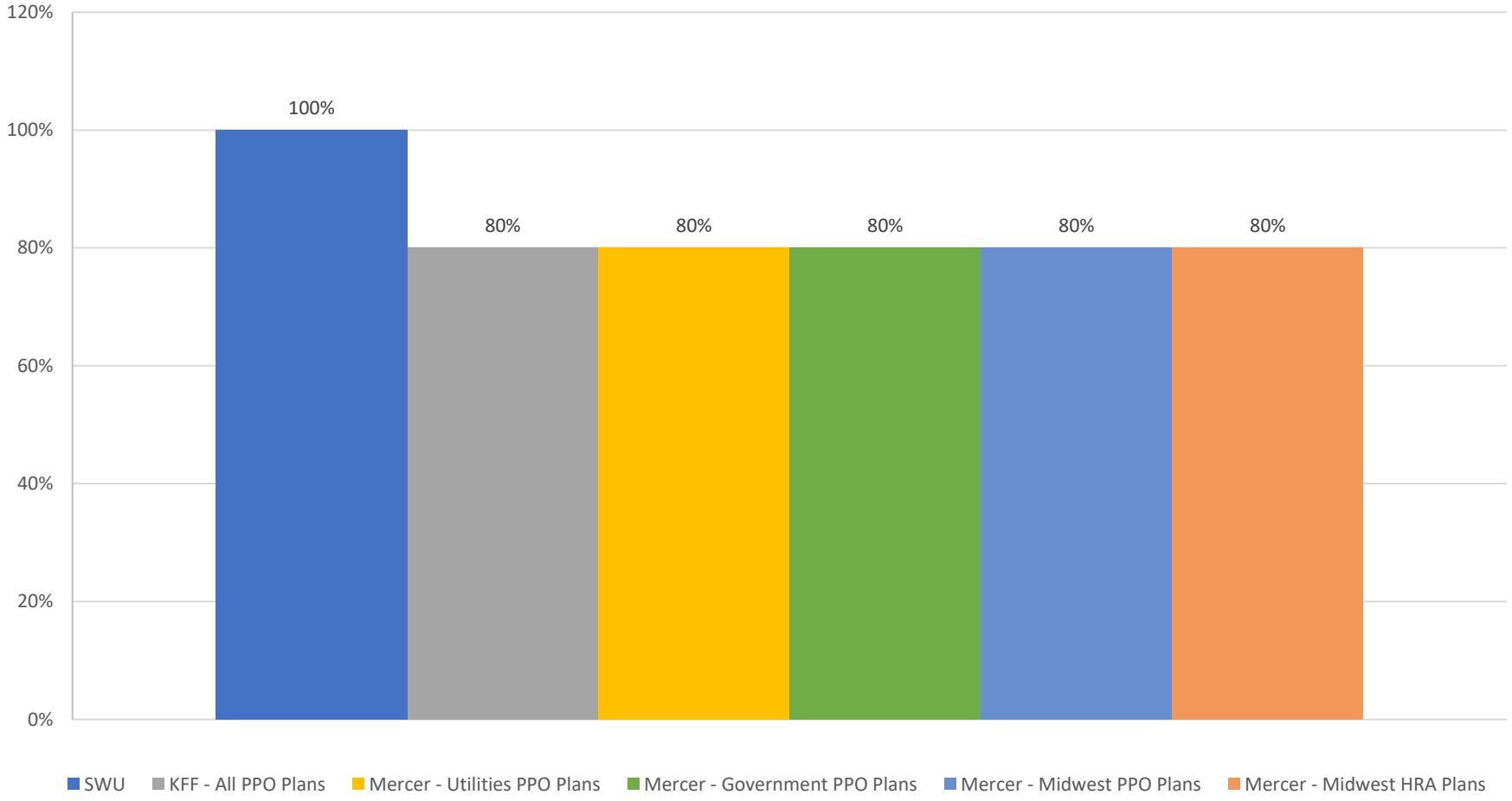
Annual Deductible – Per Person



BENCHMARKING SOURCES: KFF=KAISER FAMILY FOUNDATION 2020 EMPLOYER HEALTH BENEFITS SURVEY (PUBLISHED 10/2020)
MERCER=MERCER 2019 NATIONAL SURVEY OF EMPLOYER SPONSORED PLANS (PUBLISHED 10/2019)
UNIT VALUES FOR THE SHEBOYGAN WATER UTILITY ARE ACTUAL JANUARY 1, 2021 PLAN DESIGN FEATURES

Medical Benchmarking

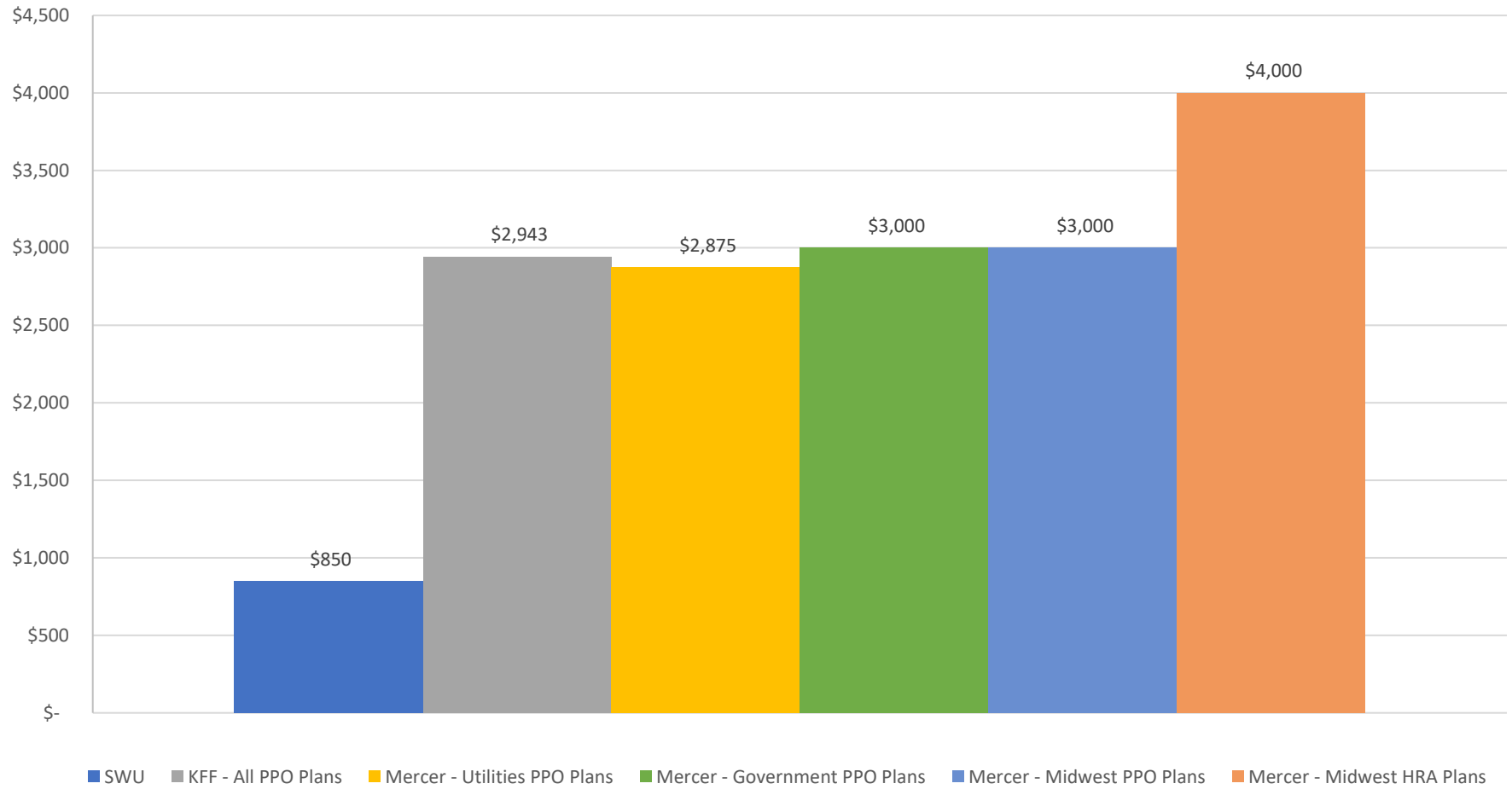
Plan Benefit Percentage – Medical



BENCHMARKING SOURCES: KFF=KAISER FAMILY FOUNDATION 2020 EMPLOYER HEALTH BENEFITS SURVEY (PUBLISHED 10/2020)
MERCER=MERCER 2019 NATIONAL SURVEY OF EMPLOYER SPONSORED PLANS (PUBLISHED 10/2019)
UNIT VALUES FOR THE SHEBOYGAN WATER UTILITY ARE ACTUAL JANUARY 1, 2021 PLAN DESIGN FEATURES

Medical Benchmarking

Annual Maximum Out-of-Pocket Limit – Per Person



BENCHMARKING SOURCES: KFF=KAISER FAMILY FOUNDATION 2020 EMPLOYER HEALTH BENEFITS SURVEY (PUBLISHED 10/2020)
MERCER=MERCER 2019 NATIONAL SURVEY OF EMPLOYER SPONSORED PLANS (PUBLISHED 10/2019)
UNIT VALUES FOR THE SHEBOYGAN WATER UTILITY ARE ACTUAL JANUARY 1, 2021 PLAN DESIGN FEATURES

Estimate of Member Healthcare Usage

Estimate of Member Healthcare Usage				100	member group
Allowed Amounts Up To	**Cumulative Percent**	**Cumulative Estimate of Members**	**Range of Allowed Amounts**	**Percent of Enrollees in Range**	**Estimated Members in Range**
$0	12.68%	13	$0	12.68%	13
$1,000	40.15%	40	$1-$1000	27.47%	27
$2,000	54.09%	54	$1001-$2000	13.94%	14
$3,000	62.53%	63	$2001-$3000	8.44%	9
$4,000	68.36%	68	$3001-$4000	5.83%	5
$5,000	72.66%	73	$4001-$5000	4.30%	5
$10,000	84.03%	84	$5001-$10000	11.37%	11
$25,000	93.73%	94	$10001-$25000	9.69%	10
$50,000	97.22%	97	$25001-$50000	3.49%	3
$100,000	98.95%	99	> $50001	2.78%	3
All	100.00%	100	All Ranges	100.00%	100
Source: ACA Actuarial Value Modeler (Gold-2020)					

Benefit Proposal prepared for:

Sheboygan Board of Water

Effective Date:	**6/1/2021**
Group Size:	**98**

Prepared By: Julie Meyer
On: 3/10/2021

powered by ***benefix***

HUB

Sheboygan Board of Water
Effective Date: 6/1/2021 | Enrolled: 98

Medical Coverage Options	Anthem BlueCross BlueShield Anthem Gold Blue Preferred POS 500/20%/6000 - 5NQH View PDF	Anthem BlueCross BlueShield Anthem Gold Blue Priority POS 500/20%/6000 - 5NQK View PDF	Health Tradition Platinum 500 w/copay HMO View PDF	Health Tradition Platinum 500 w/copay POS View PDF	Humana WI 50/50 PPO 21 COPAY HPN OV $45/90 OPTION 8 GOLD RX $5/15/75/150/1200 View PDF	Prevea 360 Copay Plus 500/1500-30/60 Platinum Rx 1 View PDF
Benefits Summary	**Alternate Option 1**	**Alternate Option 2**	**Alternate Option 4**	**Alternate Option 5**	**Alternate Option 6**	**Alternate Option 7**
Deductible Individual	$500	$500	$500	$500	$1,000	$500
Deductible Family	$1,500	$1,500	$1,000	$1,000	$2,000	$1,000
Coinsurance	20%	20%	20%	20%	50%	10%
OOP Max Individual	$6,000	$6,000	$1,500	$1,500	$6,000	$1,500
OOP Max Family	$12,000	$12,000	$3,000	$3,000	$12,000	$3,000
PCP Visit Copay	$20	$20	$25	$25	$45	$30
Telemedicine	Preferred: $0 first 3 visits, then $10, In-Network: $20	Preferred: $0 first 3 visits, then $10, In-Network: $20	N/A	N/A	Preferred: $0, Network: $45	See Plan Document
Specialist Visit Copay	$80	$80	$50	$50	$90	$60
Urgent Care Copay	$150	$150	$75	$75	$100	$30 and 10% after deductible
ER Copay	Facility: $500, then 20% after deductible, waived if admitted / Physician: 20% after deductible	Facility: $500, then 20% after deductible, waived if admitted / Physician: 20% after deductible	$200 and 20% after deductible, waived if admitted	$200 and 20% after deductible, waived if admitted	$600 and 50%, waived if admitted	$325, then 10% after deductible
Outpatient Diagnostic Lab	Freestanding: $0 / Hospital: 20% after deductible / Office: 20% after deductible	Office: 20% after deductible / Hospital: 20% after deductible / Freestanding: $0	20% after deductible	20% after deductible	$0	10% after deductible
Outpatient Diagnostic X Ray	20% after deductible	20% after deductible	20% after deductible	20% after deductible	$0	10% after deductible
Outpatient Complex Imaging	20% after deductible	20% after deductible	20% after deductible	20% after deductible	50% after deductible	10% after deductible
Physical / Occupational Therapy	Hospital: 20% after deductible / Office: $80, 20 visits max	Office: $80 / Hospital: 20% after deductible, 20 visits max	20% after deductible, 20 visits max	20% after deductible, 20 visits max	$45, 40 visits max	$30, 20 visits max
Inpatient Hospital	20% after deductible	20% after deductible	Facility: 20% after deductible (pre-approval required) / Physician: 20% after deductible	Facility: 20% after deductible (pre-approval required) / Physician: 20% after deductible	50% after deductible	10% after deductible
Outpatient Surgery	20% after deductible	20% after deductible	20% after deductible	20% after deductible	50% after deductible	10% after deductible
Durable Medical Equipment	50% after deductible	50% after deductible	20% after deductible	20% after deductible	50% after deductible	10% after deductible
Rx Deductible	$250 individual/$500 family	$250 individual/$500 family	None	None	None	None
Rx Retail	Preferred: $10/$35/$70 after Rx deductible, does not apply to Tier 1 ($250 individual/$500 family), In-network: $20/$45/$80 after Rx deductible, does not apply to Tier 1 ($250 individual/$500 family)	Preferred: $10/$35/$70 after Rx deductible, does not apply to Tier 1 ($250 individual/$500 family), In-network: $20/$45/$80 after Rx deductible, does not apply to Tier 1 ($250 individual/$500 family)	$5/$30/$60	$5/$30/$60	$5/$15/$75/$150	$10/$40/$75
Rx Mail	$25/$105/$210 after Rx deductible, does not apply to Tier 1 - Typically Generic	$25/$105/$210 after Rx deductible, does not apply to Tier 1 - Typically Generic	N/A	N/A	$12.50/$37.50/$187.50/$375	See Plan Document
Rx Specialty	Preferred: 25% - $300 max after Rx deductible ($250 individual/$500 family), In-network: 35% - $450 max after Rx deductible ($250 individual/$500 family)/N/A	Preferred: 25% - $300 max after Rx deductible ($250 individual/$500 family), In-network: 35% - $450 max after Rx deductible ($250 individual/$500 family)/N/A	$120	$120	$800/$1,200/N/A/N/A	$150
Out-Of-Network Deductible Individual	$2,000	$2,000	N/A	$1,000	$4,000	N/A
Out-Of-Network Deductible Family	$4,000	$4,000	N/A	$2,000	$8,000	N/A
Out-Of-Network OOP Max Individual	$18,000	$18,000	N/A	$3,000	$24,000	N/A
Out-Of-Network OOP Max Family	$36,000	$36,000	N/A	$6,000	$48,000	N/A
Cost Summary	**Alternate Option 1**	**Alternate Option 2**	**Alternate Option 4**	**Alternate Option 5**	**Alternate Option 6**	**Alternate Option 7**
Monthly Premium	**$58,068.89**	**$54,261.15**	**$56,406.68**	**$62,230.55**	**$61,088.86**	**$56,858.45**
Annual Premium	$696,826.68	$651,133.80	$676,880.16	$746,766.60	$733,066.32	$682,301.40
Rate Details	View	View	View	View	View	View

Rates are subject to change based on final enrollment.

Programs are subject to change. This is a brief description of benefits provided for demonstration purposes only.

Actual benefits, limitations and exclusions are set forth in the certificate of insurance issued to members.

Quotes powered by Benefix.us platform

Medical Coverage Options	UnitedHealthcare UHC Choice Plus Gold 1250-1 CFRU 253 View PDF	UnitedHealthcare UHC Choice Plus Gold 1250-2 CFR8 253 View PDF	WPS Health Plan HMO Platinum 500 View PDF	WPS Health Plan POS Platinum 500 View PDF
Benefits Summary	**Alternate Option 8**	**Alternate Option 9**	**Alternate Option 10**	**Alternate Option 11**
Deductible Individual	$1,250	$1,250	$500	$500
Deductible Family	$2,500	$2,500	$1,000	$1,000
Coinsurance	20%	20%	20%	20%
OOP Max Individual	$7,500	$7,500	$2,750	$2,750
OOP Max Family	$15,000	$15,000	$5,500	$5,500
PCP Visit Copay	$25	$25	$35	$35
Telemedicine	$0	$0	$0	$0
Specialist Visit Copay	$50	$50	$70	$70
Urgent Care Copay	$50	$50	Office: $35 / Other Services: 20% after deductible	Office: $35 / Other Services: 20% after deductible
ER Copay	$500, then $0 after deductible	$500, then $0 after deductible	Facility: $450 / Other Services: 20% after deductible	Facility: $450 / Other Services: 20% after deductible
Outpatient Diagnostic Lab	20% after deductible	20% after deductible	20% after deductible	20% after deductible
Outpatient Diagnostic X Ray	20% after deductible	20% after deductible	20% after deductible	20% after deductible
Outpatient Complex Imaging	20% after deductible	20% after deductible	20% after deductible	20% after deductible
Physical / Occupational Therapy	$25, 20 visits max	$25, 20 visits max	$35, 20 visits max	$35, 20 visits max
Inpatient Hospital	20% after deductible	20% after deductible	20% after deductible (pre-approval required)	20% after deductible (pre-approval required)
Outpatient Surgery	20% after deductible	20% after deductible	20% after deductible	20% after deductible
Durable Medical Equipment	20% after deductible	20% after deductible	20% after deductible	20% after deductible
Rx Deductible	None	None	None	None
Rx Retail	$15/$40/$80/$250	$15/$40/$80/$250	$0/$15/$40/$70	$0/$15/$40/$70
Rx Mail	$37.50/$100/$200/$625	$37.50/$100/$200/$625	$0/$37.50/$100/$175	$0/$37.50/$100/$175
Rx Specialty	N/A	N/A	30%/N/A (pre-approval required)	30%/N/A (pre-approval required)
Out-Of-Network Deductible Individual	$2,500	$2,500	N/A	$1,000
Out-Of-Network Deductible Family	$5,000	$5,000	N/A	$2,000
Out-Of-Network OOP Max Individual	$13,200	$13,200	N/A	$11,000
Out-Of-Network OOP Max Family	$26,400	$26,400	N/A	$22,000
Cost Summary	**Alternate Option 8**	**Alternate Option 9**	**Alternate Option 10**	**Alternate Option 11**
Monthly Premium	**$59,351.97**	**$58,345.25**	**$61,264.35**	**$67,387.69**
Annual Premium	$712,223.64	$700,143.00	$735,172.20	$808,652.28
Rate Details	View	View	View	View

Rates are subject to change based on final enro
Programs are subject to change. This is a brief
Actual benefits, limitations and exclusions are se
Quotes powered by Benefix.us platform

Census Details

						Anthem BlueCross BlueShield Anthem Gold Blue Preferred POS 500/20%/6000 - 5NQH View PDF Alternate Option 1				Anthem BlueCross BlueShield Anthem Gold Blue Priority POS 500/20%/6000 - 5NQK View PDF Alternate Option 2				Common Ground Healthcare Cooperative Bronze 6500/60 View PDF Alternate Option 3				Health Tradition Platinum 500 w/copay HMO View PDF Alternate Option 4				Health T Platinum 500 View Alternate	
Name		Coverage Tier	DOB	ZIP Code	Tobacco	Rate	ER	EE	Payroll Reduction	Rate	ER	EE	Payroll Reduction	Rate	ER	EE	Payroll Reduction	Rate	ER	EE	Payroll Reduction	Rate	ER
WOSEN GIZAW	EE	F	1/16/1980	53001	No	582.78	582.78	-	-	544.56	544.56	-	-	318.84	318.84	-	-	566.09	566.09	-	-	624.54	624.54
LAURA GIZAW	SP		5/9/1984	53001	No	554.13	554.13	-		517.79	517.79	-		303.16	303.16	-		538.27	538.27	-		593.84	593.84
ZEDEKIS GIZAW	D		3/21/2010	53001	No	342.41	342.41	-		319.96	319.96	-		187.33	187.33	-		332.61	332.61	-		366.96	366.96
DANIEL MARSICEK	EE	EE	1/13/1970	53083	No	834.77	834.77	-	-	780.04	780.04	-	-	456.70	456.70	-	-	810.88	810.88	-	-	894.60	894.60
WAYNE GILBERTSON	EE	F	4/23/1971	53083	No	799.41	799.41	-	-	746.99	746.99	-	-	437.36	437.36	-	-	776.53	776.53	-	-	856.70	856.70
PAULA GILBERTSON	SP		5/12/1969	53083	No	873.72	873.72	-		816.42	816.42	-		478.01	478.01	-		848.70	848.70	-		936.33	936.33
NICHOLAS GILBERTSON	D		6/27/2003	53083	No	396.13	396.13	-		370.15	370.15	-		216.72	216.72	-		384.79	384.79	-		424.52	424.52
ERIK GILBERTSON	D		8/1/2005	53083	No	372.85	372.85	-		348.40	348.40	-		203.98	203.98	-		362.18	362.18	-		399.57	399.57
MARK VANEFFEN	EE	EC	3/31/1984	53081	No	554.13	554.13	-	-	517.79	517.79	-	-	303.16	303.16	-	-	538.27	538.27	-	-	593.84	593.84
SYDNEY VANEFFEN	D		6/21/2011	53081	No	342.41	342.41	-		319.96	319.96	-		187.33	187.33	-		332.61	332.61	-		366.96	366.96
ROMAN VANEFFEN	D		7/21/2015	53081	No	342.41	342.41	-		319.96	319.96	-		187.33	187.33	-		332.61	332.61	-		366.96	366.96
ANDY WELLMAN	EE	F	12/2/1983	53081	No	554.13	554.13	-	-	517.79	517.79	-	-	303.16	303.16	-	-	538.27	538.27	-	-	593.84	593.84
ANDRIA LARKWELLMAN	SP		11/13/1981	53081	No	564.87	564.87	-		527.83	527.83	-		309.04	309.04	-		548.70	548.70	-		605.35	605.35
CHASE WELLMAN	D		1/7/2009	53081	No	342.41	342.41	-		319.96	319.96	-		187.33	187.33	-		332.61	332.61	-		366.96	366.96
GAVIN WELLMAN	D		4/9/2012	53081	No	342.41	342.41	-		319.96	319.96	-		187.33	187.33	-		332.61	332.61	-		366.96	366.96
JEFFREY BRUNTJENS	EE	F	9/21/1984	53083	No	550.55	550.55	-	-	514.45	514.45	-	-	301.21	301.21	-	-	534.79	534.79	-	-	590.00	590.00
REBECCA BRUNTJENS	SP		5/31/1984	53083	No	554.13	554.13	-		517.79	517.79	-		303.16	303.16	-		538.27	538.27	-		593.84	593.84
KADEN BRUNTJENS	D		11/22/2010	53083	No	342.41	342.41	-		319.96	319.96	-		187.33	187.33	-		332.61	332.61	-		366.96	366.96
ELLIANA BRUNTJENS	D		5/15/2014	53083	No	342.41	342.41	-		319.96	319.96	-		187.33	187.33	-		332.61	332.61	-		366.96	366.96
DAVID MCMILLAN	EE	F	10/20/1983	53083	No	554.13	554.13	-	-	517.79	517.79	-	-	303.16	303.16	-	-	538.27	538.27	-	-	593.84	593.84
AMBER MCMILLAN	SP		5/11/1983	53083	No	557.71	557.71	-		521.14	521.14	-		305.12	305.12	-		541.75	541.75	-		597.68	597.68
ANALISE MCMILLAN	D		7/26/2003	53083	No	396.13	396.13	-		370.15	370.15	-		216.72	216.72	-		384.79	384.79	-		424.52	424.52
DAVID MCMILLAN	D		1/19/2009	53083	No	342.41	342.41	-		319.96	319.96	-		187.33	187.33	-		332.61	332.61	-		366.96	366.96
TYLER BEVERIDGE	EE	ES	2/6/1992	53081	No	500.86	500.86	-	-	468.02	468.02	-	-	274.03	274.03	-	-	486.53	486.53	-	-	536.76	536.76
REBECCA BEVERIDGE	SP		12/24/1991	53081	No	500.86	500.86	-		468.02	468.02	-		274.03	274.03	-		486.53	486.53	-		536.76	536.76
DAVID KATH	EE	EE	3/31/1956	53083	No	1,342.80	1,342.80	-	-	1,254.75	1,254.75	-	-	734.64	734.64	-	-	1,304.35	1,304.35	-	-	1,439.02	1,439.02
DAVID BOENISCH	EE	F	1/13/1979	53013	No	593.07	593.07	-	-	554.18	554.18	-	-	324.47	324.47	-	-	576.09	576.09	-	-	635.57	635.57
BETHANY BOENISCH	SP		4/8/1980	53013	No	582.78	582.78	-		544.56	544.56	-		318.84	318.84	-		566.09	566.09	-		624.54	624.54
ALEXANDRIA BOENISCH	D		9/13/2004	53013	No	384.49	384.49	-		359.28	359.28	-		210.35	210.35	-		373.48	373.48	-		412.04	412.04
AARON BOENISCH	D		9/8/2005	53013	No	372.85	372.85	-		348.40	348.40	-		203.98	203.98	-		362.18	362.18	-		399.57	399.57
JASON RISSEEUW	EE	F	12/29/1970	53013	No	799.41	799.41	-	-	746.99	746.99	-	-	437.36	437.36	-	-	776.53	776.53	-	-	856.70	856.70
LISA RISSEEUW	SP		4/13/1974	53013	No	699.60	699.60	-		653.72	653.72	-		382.75	382.75	-		679.57	679.57	-		749.73	749.73
JOSHUA RISSEEUW	D		9/16/2005	53013	No	372.85	372.85	-		348.40	348.40	-		203.98	203.98	-		362.18	362.18	-		399.57	399.57
SAMUEL RISSEEUW	D		6/23/2010	53013	No	342.41	342.41	-		319.96	319.96	-		187.33	187.33	-		332.61	332.61	-		366.96	366.96
LISA GOTTSACKER	EE	ES	10/30/1963	53083	No	1,090.80	1,090.80	-	-	1,019.28	1,019.28	-	-	596.78	596.78	-	-	1,059.57	1,059.57	-	-	1,168.97	1,168.97
JEFFREY GOTTSACKER	SP		7/25/1962	53083	No	1,140.48	1,140.48	-		1,065.70	1,065.70	-		623.96	623.96	-		1,107.84	1,107.84	-		1,222.21	1,222.21
ERIC RADLOFF	EE	F	10/13/1988	53085	No	529.51	529.51	-	-	494.79	494.79	-	-	289.69	289.69	-	-	514.35	514.35	-	-	567.46	567.46
SAMANTHA RADLOFF	SP		7/8/1991	53085	No	500.86	500.86	-		468.02	468.02	-		274.03	274.03	-		486.53	486.53	-		536.76	536.76
EMILIA RADLOFF	D		4/13/2015	53085	No	342.41	342.41	-		319.96	319.96	-		187.33	187.33	-		332.61	332.61	-		366.96	366.96
GUINEVERE RADLOFF	D		11/9/2016	53085	No	342.41	342.41	-		319.96	319.96	-		187.33	187.33	-		332.61	332.61	-		366.96	366.96
JEFFREY GORR	EE	ES	12/9/1959	53083	No	1,257.76	1,257.76	-	-	1,175.28	1,175.28	-	-	688.12	688.12	-	-	1,221.75	1,221.75	-	-	1,347.89	1,347.89
DIANE GORR	SP		3/1/1960	53083	No	1,257.76	1,257.76	-		1,175.28	1,175.28	-		688.12	688.12	-		1,221.75	1,221.75	-		1,347.89	1,347.89
BRENDA DOHERTY	EE	F	1/3/1967	53073	No	955.63	955.63	-	-	892.96	892.96	-	-	522.82	522.82	-	-	928.27	928.27	-	-	1,024.11	1,024.11
DENNIS DOHERTY	SP		6/28/1967	53073	No	913.10	913.10	-		853.23	853.23	-		499.56	499.56	-		886.96	886.96	-		978.54	978.54
JORDAN DOHERTY	D		3/10/1999	53073	No	447.60	447.60	-		418.25	418.25	-		244.90	244.90	-		434.79	434.79	-		479.68	479.68
COLIN DOHERTY	D		3/25/2001	53073	No	434.17	434.17	-		405.70	405.70	-		237.53	237.53	-		421.75	421.75	-		465.29	465.29
JOSH MCDONALD	EE	F	11/28/1983	53015	No	554.13	554.13	-	-	517.79	517.79	-	-	-	-	-	-	538.27	538.27	-	-	593.84	593.84
ALYSSA MCDONALD	SP		11/30/1986	53015	No	543.39	543.39	-		507.76	507.76	-		-	-	-		527.83	527.83	-		582.33	582.33
RILEY MCDONALD	D		6/14/2010	53015	No	342.41	342.41	-		319.96	319.96	-		-	-	-		332.61	332.61	-		366.96	366.96
BENTLEY MCDONALD	D		6/29/2012	53015	No	342.41	342.41	-		319.96	319.96	-		-	-	-		332.61	332.61	-		366.96	366.96

CHARLEY MCDONALD	D		2/8/2015	53015	No	342.41	342.41	-		319.96	319.96	-		-	-	-		332.61	332.61	-		366.96	366.96
BRIAN PLOETZ	EE	EE	2/27/1957	53083	No	1,342.80	1,342.80	-	-	1,254.75	1,254.75	-	-	734.64	734.64	-	-	1,304.35	1,304.35	-	-	1,439.02	1,439.02
RONALD MARSHMAN	EE	EE	5/12/1958	33755	No	1,321.32	1,321.32	-	-	1,234.67	1,234.67	-	-	-	-	-	-	1,283.49	1,283.49	-	-	1,416.00	1,416.00
KATHERINE KLATKIEWICZ	EE	EE	4/20/1987	53081	No	543.39	543.39	-	-	507.76	507.76	-	-	297.29	297.29	-	-	527.83	527.83	-	-	582.33	582.33
ERIC HINZ	EE	F	9/3/1965	53083	No	998.15	998.15	-	-	932.70	932.70	-	-	546.08	546.08	-	-	969.57	969.57	-	-	1,069.68	1,069.68
JORI HINZ	SP		8/25/1973	53083	No	699.60	699.60	-		653.72	653.72	-		382.75	382.75	-		679.57	679.57	-		749.73	749.73
MARLEE HINZ	D		5/29/2003	53083	No	408.66	408.66	-		381.86	381.86	-		223.57	223.57	-		396.96	396.96	-		437.95	437.95
MADependent HINZ	D		10/16/2006	53083	No	342.41	342.41	-		319.96	319.96	-		187.33	187.33	-		332.61	332.61	-		366.96	366.96
JENNIFER LEE	EE	F	12/31/1984	53083	No	550.55	550.55	-	-	514.45	514.45	-	-	301.21	301.21	-	-	534.79	534.79	-	-	590.00	590.00
JOHN LEE	SP		6/15/1974	53083	No	671.40	671.40	-		627.38	627.38	-		367.32	367.32	-		652.18	652.18	-		719.52	719.52
ALEX LEE	D		1/2/2001	53083	No	434.17	434.17	-		405.70	405.70	-		237.53	237.53	-		421.75	421.75	-		465.29	465.29
ANGELA LEE	D		8/1/2002	53083	No	408.66	408.66	-		381.86	381.86	-		223.57	223.57	-		396.96	396.96	-		437.95	437.95
PETER LEE	D		6/29/2003	53083	No	396.13	396.13	-		370.15	370.15	-		216.72	216.72	-		384.79	384.79	-		424.52	424.52
PAIGE LEE	D		7/23/2010	53083	No	-	-	-		-	-	-		-	-	-		-	-	-		-	-
DAVID WARDEN	EE	F	12/19/1965	53081	No	998.15	998.15	-	-	932.70	932.70	-	-	546.08	546.08	-	-	969.57	969.57	-	-	1,069.68	1,069.68
KIM WARDEN	SP		7/24/1964	53081	No	1,044.25	1,044.25	-		975.78	975.78	-		571.30	571.30	-		1,014.36	1,014.36	-		1,119.08	1,119.08
SARA WARDEN	D		1/19/1996	53081	No	449.39	449.39	-		419.92	419.92	-		245.86	245.86	-		436.53	436.53	-		481.60	481.60
JENNA WARDEN	D		10/4/1998	53081	No	447.60	447.60	-		418.25	418.25	-		244.90	244.90	-		434.79	434.79	-		479.68	479.68
THOMAS DESOMBRE	EE	ES	9/10/1960	53085	No	1,214.79	1,214.79	-	-	1,135.13	1,135.13	-	-	664.61	664.61	-	-	1,180.01	1,180.01	-	-	1,301.84	1,301.84
LORA DESOMBRE	SP		9/14/1973	53085	No	699.60	699.60	-		653.72	653.72	-		382.75	382.75	-		679.57	679.57	-		749.73	749.73
JANE WERNER	EE	F	9/28/1966	53081	No	955.63	955.63	-	-	892.96	892.96	-	-	522.82	522.82	-	-	928.27	928.27	-	-	1,024.11	1,024.11
MIKE WERNER	SP		9/22/1964	53081	No	1,044.25	1,044.25	-		975.78	975.78	-		571.30	571.30	-		1,014.36	1,014.36	-		1,119.08	1,119.08
NICHOLE KIEDROWSKI	D		12/2/1995	53081	No	449.39	449.39	-		419.92	419.92	-		245.86	245.86	-		436.53	436.53	-		481.60	481.60
SCOTT MULDER	EE	F	12/20/1982	53081	No	557.71	557.71	-	-	521.14	521.14	-	-	305.12	305.12	-	-	541.75	541.75	-	-	597.68	597.68
HEATHER MULDER	SP		9/12/1985	53081	No	546.97	546.97	-		511.10	511.10	-		299.25	299.25	-		531.31	531.31	-		586.17	586.17
JAXON MULDER	D		4/19/2013	53081	No	342.41	342.41	-		319.96	319.96	-		187.33	187.33	-		332.61	332.61	-		366.96	366.96
MADDOX MULDER	D		1/23/2016	53081	No	342.41	342.41	-		319.96	319.96	-		187.33	187.33	-		332.61	332.61	-		366.96	366.96
THOMAS TREACY	EE	EE	3/31/1995	53081	No	458.34	458.34	-	-	428.29	428.29	-	-	250.76	250.76	-	-	445.22	445.22	-	-	491.19	491.19
JOE TRUEBLOOD	EE	F	1/5/1963	53083	No	1,140.48	1,140.48	-	-	1,065.70	1,065.70	-	-	623.96	623.96	-	-	1,107.84	1,107.84	-	-	1,222.21	1,222.21
QUYNH TRUEBLOOD	SP		3/30/1972	53083	No	763.61	763.61	-		713.53	713.53	-		417.76	417.76	-		741.75	741.75	-		818.33	818.33
REED TRUEBLOOD	D		2/18/1998	53083	No	447.60	447.60	-		418.25	418.25	-		244.90	244.90	-		434.79	434.79	-		479.68	479.68
TESS TRUEBLOOD	D		1/4/2001	53083	No	434.17	434.17	-		405.70	405.70	-		237.53	237.53	-		421.75	421.75	-		465.29	465.29
GLEN PAIDER	EE	EC	2/21/1965	53083	No	1,044.25	1,044.25	-	-	975.78	975.78	-	-	571.30	571.30	-	-	1,014.36	1,014.36	-	-	1,119.08	1,119.08
MAX PAIDER	D		4/10/1997	53083	No	447.60	447.60	-		418.25	418.25	-		244.90	244.90	-		434.79	434.79	-		479.68	479.68
WILLIAM ROSE	EE	EE	10/12/1961	53015	No	1,165.10	1,165.10	-	-	1,088.70	1,088.70	-	-	-	-	-	-	1,131.75	1,131.75	-	-	1,248.60	1,248.60
LINDA ROSE	SP		10/27/1959	53015	No	-	-	-		-	-	-		-	-	-		-	-	-		-	-
TAMARA SCHEUREN	EE	F	8/15/1984	53083	No	550.55	550.55	-	-	514.45	514.45	-	-	301.21	301.21	-	-	534.79	534.79	-	-	590.00	590.00
JESSIE SCHEUREN	SP		1/18/1986	53083	No	546.97	546.97	-		511.10	511.10	-		299.25	299.25	-		531.31	531.31	-		586.17	586.17
FREYJA SCHEUREN	D		5/1/2016	53083	No	342.41	342.41	-		319.96	319.96	-		187.33	187.33	-		332.61	332.61	-		366.96	366.96
JOSHUA KUBOW	EE	F	8/31/1982	53081	No	557.71	557.71	-	-	521.14	521.14	-	-	305.12	305.12	-	-	541.75	541.75	-	-	597.68	597.68
MOLLY KUBOW	SP		6/14/1983	53081	No	554.13	554.13	-		517.79	517.79	-		303.16	303.16	-		538.27	538.27	-		593.84	593.84
EZRABELLA KUBOW	D		11/14/2006	53081	No	342.41	342.41	-		319.96	319.96	-		187.33	187.33	-		332.61	332.61	-		366.96	366.96
JET KUBOW	D		3/13/2009	53081	No	342.41	342.41	-		319.96	319.96	-		187.33	187.33	-		332.61	332.61	-		366.96	366.96
WILLIAM SWEARINGEN	EE	F	12/16/1977	53083	No	607.39	607.39	-	-	567.57	567.57	-	-	332.30	332.30	-	-	590.01	590.01	-	-	650.92	650.92
DANIELLE SWEARINGEN	SP		11/9/1979	53083	No	582.78	582.78	-		544.56	544.56	-		318.84	318.84	-		566.09	566.09	-		624.54	624.54
BROOKE SWEARINGEN	D		9/16/2000	53083	No	434.17	434.17	-		405.70	405.70	-		237.53	237.53	-		421.75	421.75	-		465.29	465.29
LIAM SWEARINGEN	D		10/22/2006	53083	No	342.41	342.41	-		319.96	319.96	-		187.33	187.33	-		332.61	332.61	-		366.96	366.96
GLODY ONYA	EE	EE	3/14/1993	53081	No	486.54	486.54	-	-	454.64	454.64	-	-	266.18	266.18	-	-	472.62	472.62	-	-	521.41	521.41

Rates are subject to change based on final enrollment.

Programs are subject to change. This is a brief description of benefits provided for demonstration purposes only.

Actual benefits, limitations and exclusions are set forth in the certificate of insurance issued to members.

Quotes powered by Benefix.us platform

Sheboygan Board of Water
Effective Date: 6/1/2021 | Enrolled: 98

Census Details						'radition		Humana				Prevea 360				UnitedHealthcare				UnitedHealthcare			
						w/copay POS		WI 50/50 PPO 21 COPAY HPN OV $45/90 OPTION 8 GOLD RX $5/15/75/150/1200				Copay Plus 500/1500-30/60 Platinum Rx 1				UHC Choice Plus Gold 1250-1 CFRU 253				UHC Choice Plus Gold 1250-2 CFR8 253			
						PDF		View PDF				View PDF				View PDF				View PDF			
						Option 5		Alternate Option 6				Alternate Option 7				Alternate Option 8				Alternate Option 9			
Name		Coverage Tier	DOB	ZIP Code	Tobacco	EE	Payroll Reduction	Rate	ER	EE	Payroll Reduction	Rate	ER	EE	Payroll Reduction	Rate	ER	EE	Payroll Reduction	Rate	ER	EE	Payroll Reduction
WOSEN GIZAW	EE	F	1/16/1980	53001	No	-	-	613.08	613.08	-	-	570.63	570.63	-	-	595.65	595.65	-	-	585.55	585.55	-	-
LAURA GIZAW	SP		5/9/1984	53001	No	-		582.95	582.95	-		542.58	542.58	-		566.37	566.37	-		556.77	556.77	-	
ZEDEKIS GIZAW	D		3/21/2010	53001	No	-		360.22	360.22	-		335.28	335.28	-		349.98	349.98	-		344.04	344.04	-	
DANIEL MARSICEK	EE	EE	1/13/1970	53083	No	-	-	878.19	878.19	-	-	817.37	817.37	-	-	853.22	853.22	-	-	838.75	838.75	-	-
WAYNE GILBERTSON	EE	F	4/23/1971	53083	No	-	-	840.99	840.99	-	-	782.75	782.75	-	-	817.08	817.08	-	-	803.22	803.22	-	-
PAULA GILBERTSON	SP		5/12/1969	53083	No	-		919.15	919.15	-		855.50	855.50	-		893.02	893.02	-		877.87	877.87	-	
NICHOLAS GILBERTSON	D		6/27/2003	53083	No	-		416.73	416.73	-		387.87	387.87	-		404.88	404.88	-		398.01	398.01	-	
ERIK GILBERTSON	D		8/1/2005	53083	No	-		392.24	392.24	-		365.08	365.08	-		381.09	381.09	-		374.63	374.63	-	
MARK VANEFFEN	EE	EC	3/31/1984	53081	No	-	-	582.95	582.95	-	-	542.58	542.58	-	-	566.37	566.37	-	-	556.77	556.77	-	-
SYDNEY VANEFFEN	D		6/21/2011	53081	No	-		360.22	360.22	-		335.28	335.28	-		349.98	349.98	-		344.04	344.04	-	
ROMAN VANEFFEN	D		7/21/2015	53081	No	-		360.22	360.22	-		335.28	335.28	-		349.98	349.98	-		344.04	344.04	-	
ANDY WELLMAN	EE	F	12/2/1983	53081	No	-	-	582.95	582.95	-	-	542.58	542.58	-	-	566.37	566.37	-	-	556.77	556.77	-	-
ANDRIA LARKWELLMAN	SP		11/13/1981	53081	No	-		594.25	594.25	-		553.09	553.09	-		577.35	577.35	-		567.56	567.56	-	
CHASE WELLMAN	D		1/7/2009	53081	No	-		360.22	360.22	-		335.28	335.28	-		349.98	349.98	-		344.04	344.04	-	
GAVIN WELLMAN	D		4/9/2012	53081	No	-		360.22	360.22	-		335.28	335.28	-		349.98	349.98	-		344.04	344.04	-	
JEFFREY BRUNTJENS	EE	F	9/21/1984	53083	No	-	-	579.18	579.18	-	-	539.07	539.07	-	-	562.71	562.71	-	-	553.17	553.17	-	-
REBECCA BRUNTJENS	SP		5/31/1984	53083	No	-		582.95	582.95	-		542.58	542.58	-		566.37	566.37	-		556.77	556.77	-	
KADEN BRUNTJENS	D		11/22/2010	53083	No	-		360.22	360.22	-		335.28	335.28	-		349.98	349.98	-		344.04	344.04	-	
ELLIANA BRUNTJENS	D		5/15/2014	53083	No	-		360.22	360.22	-		335.28	335.28	-		349.98	349.98	-		344.04	344.04	-	
DAVID MCMILLAN	EE	F	10/20/1983	53083	No	-	-	582.95	582.95	-	-	542.58	542.58	-	-	566.37	566.37	-	-	556.77	556.77	-	-
AMBER MCMILLAN	SP		5/11/1983	53083	No	-		586.71	586.71	-		546.08	546.08	-		570.03	570.03	-		560.36	560.36	-	
ANALISE MCMILLAN	D		7/26/2003	53083	No	-		416.73	416.73	-		387.87	387.87	-		404.88	404.88	-		398.01	398.01	-	
DAVID MCMILLAN	D		1/19/2009	53083	No	-		360.22	360.22	-		335.28	335.28	-		349.98	349.98	-		344.04	344.04	-	
TYLER BEVERIDGE	EE	ES	2/6/1992	53081	No	-	-	526.91	526.91	-	-	490.42	490.42	-	-	511.93	511.93	-	-	503.25	503.25	-	-
REBECCA BEVERIDGE	SP		12/24/1991	53081	No	-		526.91	526.91	-		490.42	490.42	-		511.93	511.93	-		503.25	503.25	-	
DAVID KATH	EE	EE	3/31/1956	53083	No	-	-	1,412.63	1,412.63	-	-	1,314.81	1,314.81	-	-	1,372.47	1,372.47	-	-	1,349.19	1,349.19	-	-
DAVID BOENISCH	EE	F	1/13/1979	53013	No	-	-	623.91	623.91	-	-	580.71	580.71	-	-	606.17	606.17	-	-	595.89	595.89	-	-
BETHANY BOENISCH	SP		4/8/1980	53013	No	-		613.08	613.08	-		570.63	570.63	-		595.65	595.65	-		585.55	585.55	-	
ALEXANDRIA BOENISCH	D		9/13/2004	53013	No	-		404.48	404.48	-		376.47	376.47	-		392.98	392.98	-		386.32	386.32	-	
AARON BOENISCH	D		9/8/2005	53013	No	-		392.24	392.24	-		365.08	365.08	-		381.09	381.09	-		374.63	374.63	-	
JASON RISSEEUW	EE	F	12/29/1970	53013	No	-	-	840.99	840.99	-	-	782.75	782.75	-	-	817.08	817.08	-	-	803.22	803.22	-	-
LISA RISSEEUW	SP		4/13/1974	53013	No	-		735.98	735.98	-		685.01	685.01	-		715.06	715.06	-		702.93	702.93	-	
JOSHUA RISSEEUW	D		9/16/2005	53013	No	-		392.24	392.24	-		365.08	365.08	-		381.09	381.09	-		374.63	374.63	-	
SAMUEL RISSEEUW	D		6/23/2010	53013	No	-		360.22	360.22	-		335.28	335.28	-		349.98	349.98	-		344.04	344.04	-	
LISA GOTTSACKER	EE	ES	10/30/1963	53083	No	-	-	1,147.53	1,147.53	-	-	1,068.06	1,068.06	-	-	1,114.90	1,114.90	-	-	1,095.99	1,095.99	-	-
JEFFREY GOTTSACKER	SP		7/25/1962	53083	No	-		1,199.80	1,199.80	-		1,116.71	1,116.71	-		1,165.68	1,165.68	-		1,145.91	1,145.91	-	
ERIC RADLOFF	EE	F	10/13/1988	53085	No	-	-	557.05	557.05	-	-	518.47	518.47	-	-	541.21	541.21	-	-	532.03	532.03	-	-
SAMANTHA RADLOFF	SP		7/8/1991	53085	No	-		526.91	526.91	-		490.42	490.42	-		511.93	511.93	-		503.25	503.25	-	
EMILIA RADLOFF	D		4/13/2015	53085	No	-		360.22	360.22	-		335.28	335.28	-		349.98	349.98	-		344.04	344.04	-	
GUINEVERE RADLOFF	D		11/9/2016	53085	No	-		360.22	360.22	-		335.28	335.28	-		349.98	349.98	-		344.04	344.04	-	
JEFFREY GORR	EE	ES	12/9/1959	53083	No	-	-	1,323.17	1,323.17	-	-	1,231.53	1,231.53	-	-	1,285.55	1,285.55	-	-	1,263.74	1,263.74	-	-
DIANE GORR	SP		3/1/1960	53083	No	-		1,323.17	1,323.17	-		1,231.53	1,231.53	-		1,285.55	1,285.55	-		1,263.74	1,263.74	-	
BRENDA DOHERTY	EE	F	1/3/1967	53073	No	-	-	1,005.33	1,005.33	-	-	935.70	935.70	-	-	976.74	976.74	-	-	960.17	960.17	-	-
DENNIS DOHERTY	SP		6/28/1967	53073	No	-		960.59	960.59	-		894.07	894.07	-		933.28	933.28	-		917.45	917.45	-	
JORDAN DOHERTY	D		3/10/1999	53073	No	-		470.88	470.88	-		438.27	438.27	-		457.49	457.49	-		449.73	449.73	-	
COLIN DOHERTY	D		3/25/2001	53073	No	-		456.75	456.75	-		425.12	425.12	-		443.77	443.77	-		436.24	436.24	-	
JOSH MCDONALD	EE	F	11/28/1983	53015	No	-	-	582.95	582.95	-	-	542.58	542.58	-	-	566.37	566.37	-	-	556.77	556.77	-	-
ALYSSA MCDONALD	SP		11/30/1986	53015	No	-		571.65	571.65	-		532.06	532.06	-		555.39	555.39	-		545.97	545.97	-	
RILEY MCDONALD	D		6/14/2010	53015	No	-		360.22	360.22	-		335.28	335.28	-		349.98	349.98	-		344.04	344.04	-	
BENTLEY MCDONALD	D		6/29/2012	53015	No	-		360.22	360.22	-		335.28	335.28	-		349.98	349.98	-		344.04	344.04	-	

CHARLEY MCDONALD	D		2/8/2015	53015	No	-		360.22	360.22	-		335.28	335.28	-		349.98	349.98	-		344.04	344.04	-	
BRIAN PLOETZ	EE	EE	2/27/1957	53083	No	-	-	1,412.63	1,412.63	-	-	1,314.81	1,314.81	-	-	1,372.47	1,372.47	-	-	1,349.19	1,349.19	-	-
RONALD MARSHMAN	EE	EE	5/12/1958	33755	No	-	-	1,390.03	1,390.03	-	-	1,293.77	1,293.77	-	-	1,350.51	1,350.51	-	-	1,327.60	1,327.60	-	-
KATHERINE KLATKIEWICZ	EE	EE	4/20/1987	53081	No	-	-	571.65	571.65	-	-	532.06	532.06	-	-	555.39	555.39	-	-	545.97	545.97	-	-
ERIC HINZ	EE	F	9/3/1965	53083	No	-	-	1,050.06	1,050.06	-	-	977.34	977.34	-	-	1,020.20	1,020.20	-	-	1,002.90	1,002.90	-	-
JORI HINZ	SP		8/25/1973	53083	No	-		735.98	735.98	-		685.01	685.01	-		715.06	715.06	-		702.93	702.93	-	
MARLEE HINZ	D		5/29/2003	53083	No	-		429.91	429.91	-		400.14	400.14	-		417.69	417.69	-		410.60	410.60	-	
MADependent HINZ	D		10/16/2006	53083	No	-		360.22	360.22	-		335.28	335.28	-		349.98	349.98	-		344.04	344.04	-	
JENNIFER LEE	EE	F	12/31/1984	53083	No	-	-	579.18	579.18	-	-	539.07	539.07	-	-	562.71	562.71	-	-	553.17	553.17	-	-
JOHN LEE	SP		6/15/1974	53083	No	-		706.32	706.32	-		657.40	657.40	-		686.24	686.24	-		674.60	674.60	-	
ALEX LEE	D		1/2/2001	53083	No	-		456.75	456.75	-		425.12	425.12	-		443.77	443.77	-		436.24	436.24	-	
ANGELA LEE	D		8/1/2002	53083	No	-		429.91	429.91	-		400.14	400.14	-		417.69	417.69	-		410.60	410.60	-	
PETER LEE	D		6/29/2003	53083	No	-		416.73	416.73	-		387.87	387.87	-		404.88	404.88	-		398.01	398.01	-	
PAIGE LEE	D		7/23/2010	53083	No	-		-	-	-		-	-	-		-	-	-		-	-	-	
DAVID WARDEN	EE	F	12/19/1965	53081	No	-	-	1,050.06	1,050.06	-	-	977.34	977.34	-	-	1,020.20	1,020.20	-	-	1,002.90	1,002.90	-	-
KIM WARDEN	SP		7/24/1964	53081	No	-		1,098.56	1,098.56	-		1,022.48	1,022.48	-		1,067.32	1,067.32	-		1,049.22	1,049.22	-	
SARA WARDEN	D		1/19/1996	53081	No	-		472.76	472.76	-		440.02	440.02	-		459.32	459.32	-		451.53	451.53	-	
JENNA WARDEN	D		10/4/1998	53081	No	-		470.88	470.88	-		438.27	438.27	-		457.49	457.49	-		449.73	449.73	-	
THOMAS DESOMBRE	EE	ES	9/10/1960	53085	No	-	-	1,277.96	1,277.96	-	-	1,189.46	1,189.46	-	-	1,241.63	1,241.63	-	-	1,220.57	1,220.57	-	-
LORA DESOMBRE	SP		9/14/1973	53085	No	-		735.98	735.98	-		685.01	685.01	-		715.06	715.06	-		702.93	702.93	-	
JANE WERNER	EE	F	9/28/1966	53081	No	-	-	1,005.33	1,005.33	-	-	935.70	935.70	-	-	976.74	976.74	-	-	960.17	960.17	-	-
MIKE WERNER	SP		9/22/1964	53081	No	-		1,098.56	1,098.56	-		1,022.48	1,022.48	-		1,067.32	1,067.32	-		1,049.22	1,049.22	-	
NICHOLE KIEDROWSKI	D		12/2/1995	53081	No	-		472.76	472.76	-		440.02	440.02	-		459.32	459.32	-		451.53	451.53	-	
SCOTT MULDER	EE	F	12/20/1982	53081	No	-	-	586.71	586.71	-	-	546.08	546.08	-	-	570.03	570.03	-	-	560.36	560.36	-	-
HEATHER MULDER	SP		9/12/1985	53081	No	-		575.41	575.41	-		535.56	535.56	-		559.05	559.05	-		549.57	549.57	-	
JAXON MULDER	D		4/19/2013	53081	No	-		360.22	360.22	-		335.28	335.28	-		349.98	349.98	-		344.04	344.04	-	
MADDOX MULDER	D		1/23/2016	53081	No	-		360.22	360.22	-		335.28	335.28	-		349.98	349.98	-		344.04	344.04	-	
THOMAS TREACY	EE	EE	3/31/1995	53081	No	-	-	482.18	482.18	-	-	448.79	448.79	-	-	468.47	468.47	-	-	460.52	460.52	-	-
JOE TRUEBLOOD	EE	F	1/5/1963	53083	No	-	-	1,199.80	1,199.80	-	-	1,116.71	1,116.71	-	-	1,165.68	1,165.68	-	-	1,145.91	1,145.91	-	-
QUYNH TRUEBLOOD	SP		3/30/1972	53083	No	-		803.32	803.32	-		747.69	747.69	-		780.48	780.48	-		767.24	767.24	-	
REED TRUEBLOOD	D		2/18/1998	53083	No	-		470.88	470.88	-		438.27	438.27	-		457.49	457.49	-		449.73	449.73	-	
TESS TRUEBLOOD	D		1/4/2001	53083	No	-		456.75	456.75	-		425.12	425.12	-		443.77	443.77	-		436.24	436.24	-	
GLEN PAIDER	EE	EC	2/21/1965	53083	No	-	-	1,098.56	1,098.56	-	-	1,022.48	1,022.48	-	-	1,067.32	1,067.32	-	-	1,049.22	1,049.22	-	-
MAX PAIDER	D		4/10/1997	53083	No	-		470.88	470.88	-		438.27	438.27	-		457.49	457.49	-		449.73	449.73	-	
WILLIAM ROSE	EE	EE	10/12/1961	53015	No	-	-	1,225.70	1,225.70	-	-	1,140.81	1,140.81	-	-	1,190.85	1,190.85	-	-	1,170.65	1,170.65	-	-
LINDA ROSE	SP		10/27/1959	53015	No	-		-	-	-		-	-	-		-	-	-		-	-	-	
TAMARA SCHEUREN	EE	F	8/15/1984	53083	No	-	-	579.18	579.18	-	-	539.07	539.07	-	-	562.71	562.71	-	-	553.17	553.17	-	-
JESSIE SCHEUREN	SP		1/18/1986	53083	No	-		575.41	575.41	-		535.56	535.56	-		559.05	559.05	-		549.57	549.57	-	
FREYJA SCHEUREN	D		5/1/2016	53083	No	-		360.22	360.22	-		335.28	335.28	-		349.98	349.98	-		344.04	344.04	-	
JOSHUA KUBOW	EE	F	8/31/1982	53081	No	-	-	586.71	586.71	-	-	546.08	546.08	-	-	570.03	570.03	-	-	560.36	560.36	-	-
MOLLY KUBOW	SP		6/14/1983	53081	No	-		582.95	582.95	-		542.58	542.58	-		566.37	566.37	-		556.77	556.77	-	
EZRABELLA KUBOW	D		11/14/2006	53081	No	-		360.22	360.22	-		335.28	335.28	-		349.98	349.98	-		344.04	344.04	-	
JET KUBOW	D		3/13/2009	53081	No	-		360.22	360.22	-		335.28	335.28	-		349.98	349.98	-		344.04	344.04	-	
WILLIAM SWEARINGEN	EE	F	12/16/1977	53083	No	-	-	638.98	638.98	-	-	594.73	594.73	-	-	620.81	620.81	-	-	610.28	610.28	-	-
DANIELLE SWEARINGEN	SP		11/9/1979	53083	No	-		613.08	613.08	-		570.63	570.63	-		595.65	595.65	-		585.55	585.55	-	
BROOKE SWEARINGEN	D		9/16/2000	53083	No	-		456.75	456.75	-		425.12	425.12	-		443.77	443.77	-		436.24	436.24	-	
LIAM SWEARINGEN	D		10/22/2006	53083	No	-		360.22	360.22	-		335.28	335.28	-		349.98	349.98	-		344.04	344.04	-	
GLODY ONYA	EE	EE	3/14/1993	53081	No	-	-	511.84	511.84	-	-	476.40	476.40	-	-	497.29	497.29	-	-	488.86	488.86	-	-

Rates are subject to change based on final enrollment.

Programs are subject to change. This is a brief description of benefits provided for demonstration purposes only.

Actual benefits, limitations and exclusions are set forth in the certificate of insurance issued to members.

Quotes powered by Benefix.us platform

Census Details

						WPS Health Plan HMO Platinum 500 View PDF Alternate Option 10				WPS Health Plan POS Platinum 500 View PDF Alternate Option 11			
Name		Coverage Tier	DOB	ZIP Code	Tobacco	Rate	ER	EE	Payroll Reduction	Rate	ER	EE	Payroll Reduction
WOSEN GIZAW	EE	F	1/16/1980	53001	No	614.84	614.84	-	-	676.30	676.30	-	-
LAURA GIZAW	SP		5/9/1984	53001	No	584.62	584.62	-		643.05	643.05	-	
ZEDEKIS GIZAW	D		3/21/2010	53001	No	361.26	361.26	-		397.36	397.36	-	
DANIEL MARSICEK	EE	EE	1/13/1970	53083	No	880.71	880.71	-	-	968.74	968.74	-	-
WAYNE GILBERTSON	EE	F	4/23/1971	53083	No	843.40	843.40	-	-	927.70	927.70	-	-
PAULA GILBERTSON	SP		5/12/1969	53083	No	921.79	921.79	-		1,013.93	1,013.93	-	
NICHOLAS GILBERTSON	D		6/27/2003	53083	No	417.92	417.92	-		459.70	459.70	-	
ERIK GILBERTSON	D		8/1/2005	53083	No	393.37	393.37	-		432.69	432.69	-	
MARK VANEFFEN	EE	EC	3/31/1984	53081	No	584.62	584.62	-	-	643.05	643.05	-	-
SYDNEY VANEFFEN	D		6/21/2011	53081	No	361.26	361.26	-		397.36	397.36	-	
ROMAN VANEFFEN	D		7/21/2015	53081	No	361.26	361.26	-		397.36	397.36	-	
ANDY WELLMAN	EE	F	12/2/1983	53081	No	584.62	584.62	-	-	643.05	643.05	-	-
ANDRIA LARKWELLMAN	SP		11/13/1981	53081	No	595.95	595.95	-		655.52	655.52	-	
CHASE WELLMAN	D		1/7/2009	53081	No	361.26	361.26	-		397.36	397.36	-	
GAVIN WELLMAN	D		4/9/2012	53081	No	361.26	361.26	-		397.36	397.36	-	
JEFFREY BRUNTJENS	EE	F	9/21/1984	53083	No	580.84	580.84	-	-	638.90	638.90	-	-
REBECCA BRUNTJENS	SP		5/31/1984	53083	No	584.62	584.62	-		643.05	643.05	-	
KADEN BRUNTJENS	D		11/22/2010	53083	No	361.26	361.26	-		397.36	397.36	-	
ELLIANA BRUNTJENS	D		5/15/2014	53083	No	361.26	361.26	-		397.36	397.36	-	
DAVID MCMILLAN	EE	F	10/20/1983	53083	No	584.62	584.62	-	-	643.05	643.05	-	-
AMBER MCMILLAN	SP		5/11/1983	53083	No	588.40	588.40	-		647.21	647.21	-	
ANALISE MCMILLAN	D		7/26/2003	53083	No	417.92	417.92	-		459.70	459.70	-	
DAVID MCMILLAN	D		1/19/2009	53083	No	361.26	361.26	-		397.36	397.36	-	
TYLER BEVERIDGE	EE	ES	2/6/1992	53081	No	528.43	528.43	-	-	581.24	581.24	-	-
REBECCA BEVERIDGE	SP		12/24/1991	53081	No	528.43	528.43	-		581.24	581.24	-	
DAVID KATH	EE	EE	3/31/1956	53083	No	1,416.69	1,416.69	-	-	1,558.29	1,558.29	-	-
DAVID BOENISCH	EE	F	1/13/1979	53013	No	625.70	625.70	-	-	688.24	688.24	-	-
BETHANY BOENISCH	SP		4/8/1980	53013	No	614.84	614.84	-		676.30	676.30	-	
ALEXANDRIA BOENISCH	D		9/13/2004	53013	No	405.65	405.65	-		446.19	446.19	-	
AARON BOENISCH	D		9/8/2005	53013	No	393.37	393.37	-		432.69	432.69	-	
JASON RISSEEUW	EE	F	12/29/1970	53013	No	843.40	843.40	-	-	927.70	927.70	-	-
LISA RISSEEUW	SP		4/13/1974	53013	No	738.10	738.10	-		811.87	811.87	-	
JOSHUA RISSEEUW	D		9/16/2005	53013	No	393.37	393.37	-		432.69	432.69	-	
SAMUEL RISSEEUW	D		6/23/2010	53013	No	361.26	361.26	-		397.36	397.36	-	
LISA GOTTSACKER	EE	ES	10/30/1963	53083	No	1,150.82	1,150.82	-	-	1,265.85	1,265.85	-	-
JEFFREY GOTTSACKER	SP		7/25/1962	53083	No	1,203.24	1,203.24	-		1,323.51	1,323.51	-	
ERIC RADLOFF	EE	F	10/13/1988	53085	No	558.65	558.65	-	-	614.49	614.49	-	-
SAMANTHA RADLOFF	SP		7/8/1991	53085	No	528.43	528.43	-		581.24	581.24	-	
EMILIA RADLOFF	D		4/13/2015	53085	No	361.26	361.26	-		397.36	397.36	-	
GUINEVERE RADLOFF	D		11/9/2016	53085	No	361.26	361.26	-		397.36	397.36	-	
JEFFREY GORR	EE	ES	12/9/1959	53083	No	1,326.97	1,326.97	-	-	1,459.60	1,459.60	-	-
DIANE GORR	SP		3/1/1960	53083	No	1,326.97	1,326.97	-		1,459.60	1,459.60	-	
BRENDA DOHERTY	EE	F	1/3/1967	53073	No	1,008.21	1,008.21	-	-	1,108.98	1,108.98	-	-
DENNIS DOHERTY	SP		6/28/1967	53073	No	963.35	963.35	-		1,059.64	1,059.64	-	
JORDAN DOHERTY	D		3/10/1999	53073	No	472.23	472.23	-		519.43	519.43	-	
COLIN DOHERTY	D		3/25/2001	53073	No	458.06	458.06	-		503.85	503.85	-	
JOSH MCDONALD	EE	F	11/28/1983	53015	No	584.62	584.62	-	-	643.05	643.05	-	-
ALYSSA MCDONALD	SP		11/30/1986	53015	No	573.29	573.29	-		630.59	630.59	-	
RILEY MCDONALD	D		6/14/2010	53015	No	361.26	361.26	-		397.36	397.36	-	
BENTLEY MCDONALD	D		6/29/2012	53015	No	361.26	361.26	-		397.36	397.36	-	

CHARLEY MCDONALD	D		2/8/2015	53015	No	361.26	361.26	-		397.36	397.36	-	
BRIAN PLOETZ	EE	EE	2/27/1957	53083	No	1,416.69	1,416.69	-	-	1,558.29	1,558.29	-	-
RONALD MARSHMAN	EE	EE	5/12/1958	33755	No	1,394.02	1,394.02	-	-	1,533.36	1,533.36	-	-
KATHERINE KLATKIEWICZ	EE	EE	4/20/1987	53081	No	573.29	573.29	-	-	630.59	630.59	-	-
ERIC HINZ	EE	F	9/3/1965	53083	No	1,053.07	1,053.07	-	-	1,158.33	1,158.33	-	-
JORI HINZ	SP		8/25/1973	53083	No	738.10	738.10	-		811.87	811.87	-	
MARLEE HINZ	D		5/29/2003	53083	No	431.15	431.15	-		474.24	474.24	-	
MADependent HINZ	D		10/16/2006	53083	No	361.26	361.26	-		397.36	397.36	-	
JENNIFER LEE	EE	F	12/31/1984	53083	No	580.84	580.84	-	-	638.90	638.90	-	-
JOHN LEE	SP		6/15/1974	53083	No	708.35	708.35	-		779.15	779.15	-	
ALEX LEE	D		1/2/2001	53083	No	458.06	458.06	-		503.85	503.85	-	
ANGELA LEE	D		8/1/2002	53083	No	431.15	431.15	-		474.24	474.24	-	
PETER LEE	D		6/29/2003	53083	No	417.92	417.92	-		459.70	459.70	-	
PAIGE LEE	D		7/23/2010	53083	No	-	-	-		-	-	-	
DAVID WARDEN	EE	F	12/19/1965	53081	No	1,053.07	1,053.07	-	-	1,158.33	1,158.33	-	-
KIM WARDEN	SP		7/24/1964	53081	No	1,101.71	1,101.71	-		1,211.83	1,211.83	-	
SARA WARDEN	D		1/19/1996	53081	No	474.12	474.12	-		521.51	521.51	-	
JENNA WARDEN	D		10/4/1998	53081	No	472.23	472.23	-		519.43	519.43	-	
THOMAS DESOMBRE	EE	ES	9/10/1960	53085	No	1,281.63	1,281.63	-	-	1,409.73	1,409.73	-	-
LORA DESOMBRE	SP		9/14/1973	53085	No	738.10	738.10	-		811.87	811.87	-	
JANE WERNER	EE	F	9/28/1966	53081	No	1,008.21	1,008.21	-	-	1,108.98	1,108.98	-	-
MIKE WERNER	SP		9/22/1964	53081	No	1,101.71	1,101.71	-		1,211.83	1,211.83	-	
NICHOLE KIEDROWSKI	D		12/2/1995	53081	No	474.12	474.12	-		521.51	521.51	-	
SCOTT MULDER	EE	F	12/20/1982	53081	No	588.40	588.40	-	-	647.21	647.21	-	-
HEATHER MULDER	SP		9/12/1985	53081	No	577.07	577.07	-		634.74	634.74	-	
JAXON MULDER	D		4/19/2013	53081	No	361.26	361.26	-		397.36	397.36	-	
MADDOX MULDER	D		1/23/2016	53081	No	361.26	361.26	-		397.36	397.36	-	
THOMAS TREACY	EE	EE	3/31/1995	53081	No	483.56	483.56	-	-	531.90	531.90	-	-
JOE TRUEBLOOD	EE	F	1/5/1963	53083	No	1,203.24	1,203.24	-	-	1,323.51	1,323.51	-	-
QUYNH TRUEBLOOD	SP		3/30/1972	53083	No	805.62	805.62	-		886.15	886.15	-	
REED TRUEBLOOD	D		2/18/1998	53083	No	472.23	472.23	-		519.43	519.43	-	
TESS TRUEBLOOD	D		1/4/2001	53083	No	458.06	458.06	-		503.85	503.85	-	
GLEN PAIDER	EE	EC	2/21/1965	53083	No	1,101.71	1,101.71	-	-	1,211.83	1,211.83	-	-
MAX PAIDER	D		4/10/1997	53083	No	472.23	472.23	-		519.43	519.43	-	
WILLIAM ROSE	EE	EE	10/12/1961	53015	No	1,229.21	1,229.21	-	-	1,352.08	1,352.08	-	-
LINDA ROSE	SP		10/27/1959	53015	No	-	-	-		-	-	-	
TAMARA SCHEUREN	EE	F	8/15/1984	53083	No	580.84	580.84	-	-	638.90	638.90	-	-
JESSIE SCHEUREN	SP		1/18/1986	53083	No	577.07	577.07	-		634.74	634.74	-	
FREYJA SCHEUREN	D		5/1/2016	53083	No	361.26	361.26	-		397.36	397.36	-	
JOSHUA KUBOW	EE	F	8/31/1982	53081	No	588.40	588.40	-	-	647.21	647.21	-	-
MOLLY KUBOW	SP		6/14/1983	53081	No	584.62	584.62	-		643.05	643.05	-	
EZRABELLA KUBOW	D		11/14/2006	53081	No	361.26	361.26	-		397.36	397.36	-	
JET KUBOW	D		3/13/2009	53081	No	361.26	361.26	-		397.36	397.36	-	
WILLIAM SWEARINGEN	EE	F	12/16/1977	53083	No	640.82	640.82	-	-	704.87	704.87	-	-
DANIELLE SWEARINGEN	SP		11/9/1979	53083	No	614.84	614.84	-		676.30	676.30	-	
BROOKE SWEARINGEN	D		9/16/2000	53083	No	458.06	458.06	-		503.85	503.85	-	
LIAM SWEARINGEN	D		10/22/2006	53083	No	361.26	361.26	-		397.36	397.36	-	
GLODY ONYA	EE	EE	3/14/1993	53081	No	513.31	513.31	-	-	564.62	564.62	-	-

Rates are subject to change based on final enrollment.

Programs are subject to change. This is a brief description of benefits provided for demonstration purposes only.

Actual benefits, limitations and exclusions are set forth in the certificate of insurance issued to members.

Quotes powered by Benefix.us platform

Health Insurance renewal summary

1) Broker Julie Meyer will review self-insured and fully-insured renewal options

2) Utility Accountant Lisa Gottsacker has provided summary cost information

3) Utility strategic insurance consultant Anthony Fioretti has provided detailed planning steps including the addition of a private clinic offering and plan changes

Basic Information

1) From 2011-2020, the actual plan costs for the self-insured plan were $6.194M

2) From 2011-2020, the estimated plan costs for a fully-insured plan would have been $6.145M

3) If renewal of the self-insured plan is preferred, then recommendation to increase monthly family coverage contribution from $300 to $375 per month. No change in single coverage contribution because it is already in line with benchmarks. This would result in an estimate of 13% offset in costs due to contributions.

4) If renewal of the self-insured plan is preferred, then consider one of Mr. Fioretti's plan change recommendations, preferably A or B without change in prescription coverage.

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
PLYMOUTH SERVICE CENTER
1155 PILGRIM ROAD
PLYMOUTH WI 53073

Tony Evers, Governor
Preston Cole, Secretary
Telephone 920-400-0539
FAX 920-892-6638

April 27, 2021

FILE REF: 3300/Sheboygan/City of Sheboygan
PWSID #46003540

Joe Trueblood, P.E. - Superintendent
City of Sheboygan Water Utility
72 Park Avenue
Sheboygan, WI 53081

Subject: Sanitary Survey Report and Notice of Noncompliance

Dear Mr. Trueblood:

The purpose of a sanitary survey is to evaluate the system's source, facilities, equipment, operation, maintenance, and management as they relate to providing safe drinking water. The sanitary survey is also an opportunity to update the Department's records, provide technical assistance, and identify potential risks that may adversely affect drinking water quality.

On 04/06/2021, Petwara Toyingtrakoon conducted a sanitary survey of your water system, City of Sheboygan Waterworks. Bill Swearingen and Bradley Siefker were present during the sanitary survey. At the completion of the survey, Bill was briefed on the preliminary findings. This report outlines the final findings, discusses problems that need to be addressed, and includes a timeline for corrective action where appropriate.

During the course of the inspection four deficiencies were identified, they include: 1) the air relief valve discharge piping at the Erie and Georgia Booster Stations do not have screens, 2) The overflow of the wash tank, Georgia Avenue Standpipe did not have a screen on the overflow pipes, 3) at the Horizontal Tower, the screen was on the flapper instead of the overflow pipe, and 4) the overflow of the EE Tower did not terminate within 12 to 24 inches above the ground surface.

A plan for corrective action must be completed within 45 days of the receipt of this letter. The plan shall include a work schedule or completion of corrective action for all deficiencies identified. Failure to submit the corrective action plan or complete the corrective action within 45 days will result in enforcement action. Depending on the type of corrective action you employ, you may need to obtain prior approval and submit plans to the Department.

System Summary

The Sheboygan Water Utility is owned and operated by the City of Sheboygan, located in eastern Sheboygan County on the western shore of Lake Michigan.

The water supply system is a conventional surface water treatment plant similar in configuration to other plants along the west shore of Lake Michigan. The water supply system consists of three raw water intakes (one of which has been abandoned) that draw water from Lake Michigan, low-lift pumps and a suction intake well, a surface water filtration plant, high-lift pumps, four booster stations, two elevated tanks, three standpipes and approximately 207 miles of distribution system water mains. The system

currently consists of two pressure zones. The operation of the plant consists of a combination of processes including coagulation, flocculation, sedimentation, filtration, chemical addition and ultraviolet disinfection (UV).

The water supply system serves a population of approximately 48,327 people. Based on information from the 2019 report to the Public Service Commission of Wisconsin PSC, there were 18,907 metered service connections. The average daily pumpage was 12.4 million gallons per day (MGD) and the maximum daily pumpage was 16.9 MGD. The plant design pumping capacity is 34 MGD. A total of 4,525 million gallons of water was pumped into the distribution system in 2019. Of that total, 3,555 million gallons was sold through meters. The difference shows 8% unaccountable water. The 8% unaccountable water was higher than the previous survey (in 2018) that showed unaccountable water at 7%.

Evaluation of Existing Facilities

Source: Raw water from Lake Michigan enters the intakes and flows by gravity to an intake well through the three intake pipes. The first intake was constructed of cast iron and installed in 1887, is 20 inches in diameter, 1,800 feet long, terminates 25 feet below the surface and has since been abandoned and removed out of service. The second intake was constructed of cast iron and installed in 1909, is 30 inches in diameter, extends out into Lake Michigan a distance of approximately 5,200 feet from shore and terminates 45 feet below the surface. The third intake was constructed of reinforced concrete and installed in 1959, is 36 inches in diameter, 2,100 feet long and terminates 27 feet below the surface. The proposed new intake/pumping station will be constructed between 2021-2024.

The Utility did not experience frazil ice problems this year (2021), their last icing event was Jan/Feb 2020 due to winter weather and cold/freezing winter days. Potassium permanganate is fed seasonally at the second intake crib for zebra mussel control. The Utility has hired a diver to inspect the intake cribs yearly for zebra mussel colonization. As of the last inspection in 2020, the zebra mussel control system appears to be working effectively.

Water Treatment Facilities: The Water Treatment Plant has a current capacity of 34 MGD. The treatment sequence includes coagulation, flocculation, sedimentation, filtration, and chemical addition including disinfection.

Shore Well (Suction Well) and Low Lift Pumping: The suction well was built in 1887 for the Plant. The suction well is 34 feet by 20 feet and about 34 feet and 7 inches deep. The shore well was inspected in 2014 and reported to be in good structural condition. The valves on the intake lines are operating and were provided with the new actuators. Water from intake lines enters the suction well, then is pumped by the low-lift pumps to the rapid mix chamber. There are four low-lift pumps (9.6, 13.0, 17.0 and 13.3 MGD) serving the Plant.

Rapid Mix:

Two stainless steel static mixers were installed to replace the old cylindrical steel tank rapid mix located adjacent to the east flocculation/sedimentation basin. Raw water enters the new 36-inch piping that includes several bends, a tee, a 1.5” raw water sample tap and injection tap for powdered activated carbon.

The flow splits to two 24-inch lines, each of which includes a gate valve, 24-inch static mixer, pressure gauge, 2-inch drain line, tee for a 24-inch crossover line, gate valve (east only) and an increaser to connect to the existing 36-inch lines at each basin. The mixers are horizontal with the east basin mixer directly above the west basin mixer. The existing 36-inch line to the west basin includes a shut-off valve.

Normally, the water to the east basin goes through the upper mixer and the water to the west basin goes through the lower mixer. The 24-inch crossover includes a gate valve and is allowing one of the mixers to supply both basins but is not allowing crossover flow strictly to the opposite basin from a single mixer. Therefore, the scheduling of maintenance of the mixers and basins will have to be coordinated. Sodium aluminate (alum), sodium hypochlorite (chlorine) and cationic polymer (Aqua Hawk 6527) are now fed into each static mixer using peristaltic feed pumps, one for each mixer and one spare. The feeders are manual/flow paced controlled and the spare feeders are stored on-site.

The south rapid mix was constructed in 2004, where raw water from the low lift pump station travels through the existing filter pipe gallery to the south rapid mix. An electromagnetic flow meter measures flow. Sodium hypochlorite, alum and powdered activated carbon are added to the raw water line. As the raw water line enters the weir chamber, a submersible chemical induction mixer (variable speed, one standby) adds aluminum sulfate to the water for coagulation. Alum can also be added to the raw water pipe upstream of the weir chamber as a second backup.

A streaming current detector is used to monitor coagulation conditions. The sample is drawn as the water enters the first flocculation chamber. The coagulated water travels over two adjustable weirs, into a second chamber, and into a 36-inch diameter pipe shortly before entering the flocculation chamber.

Flow to the new basin is controlled by adjusting the weir height. An existing butterfly valve on the raw water line to the old rapid mix tank can also be adjusted to change flow rate. There is a 24-inch diameter overflow pipe on the rapid mix chamber downstream of the weirs. It discharges outside the building onto pavement. The water runs downhill toward Lake Michigan.

Flocculation/Sedimentation:

The older and original flocculation/sedimentation process consisted of two treatment trains, east and west. The east train was constructed in 1959, and consisted of a two-bay flocculation basin, and a two-bay sedimentation tank. The east flocculation basins have a total volume of 246,300 gallons. Each basin has two vertical flocculation mechanisms. The east flocculation has about 30 minutes detention time and a maximum capacity of 11.8 MGD. The east settling basin has a total volume of 2.2 million gallons.

There is no mechanical sludge collection in the east basin. The east sedimentation basin has about 4 hours of detention time, and a maximum capacity of 11.4 MGD. The east basin does not perform as well as the west basin. The staff feels that it may be because of inadequate flocculation and short circuiting. There is no baffling between the two stages of flocculators. Installation of baffles could help performance.

The west flocculation/sedimentation process was constructed in 1929 and 1939. The process consisted of a single flocculation basin and two sedimentation basins which operate in series. The west flocculation basin has a volume of 348,200 gallons. The basin is equipped with horizontal flocculator

mechanisms. The west flocculation process has about 30 minutes detention time, and a maximum capacity of 16.7 MGD. The west settling basin has a total volume of 2.3 million gallons.

There is no mechanical sludge collection in the basin. The west sedimentation basin has about 4 hours of detention time, and a maximum capacity of 10.8 MGD. The maximum capacity of the flocculation/sedimentation process is limited by sedimentation detention time. Based on this parameter, the total rated capacity of the old flocculation/sedimentation basins is 22.2 MGD. The west basin still has cars parked on top which is not desirable.

New rapid mix is improving performance of both of the older basins. The Utility is considering using the east basin site for a new basin with plates plus an additional clearwell.

The newer south flocculation basin (constructed in 2004) consists of three flocculation chambers. Flow through the flocculation chambers is serpentine (end-around). Each chamber has a horizontal paddle wheel flocculation system driven by a motor connected to a chain and sprocket. Flocculation is tapered by reducing the number of paddles in each successive chamber. The drive motors are frequency adjustable in order to further the flexibility in mixing energy. Baffle plates on the flocculator shaft reduce short circuiting. The horizontal velocity is calculated in a north/south direction as water flows from flocculation to the settling basin. After the water enters the third chamber, it is slowly transported through eight ports to the plate settling basin.

The south sedimentation basin contains 16 parallel plate packs, arranged in two rows of 8. Water enters the bottom and side of the plate packs, flows up between the parallel plates, and over the V-notched weir. The settled water enters a concrete channel and is conveyed to the filter influent pipe. Turbidity is measured on-line in the settled water channel. Chlorine residual is measured in the flocculation basin and settled water. There is a high level switch in the settled water channel to trigger an alarm indicating a high water condition. The total rated capacity of the south flocculation/sedimentation basin is 14 MGD. The south settling basin has a total volume of 629,577 gallons.

Sludge settles on the parallel plates, slides down, then drops to the bottom of the sedimentation basin. The basin has a short wall at the bottom running the length of the basin. The sedimentation basin has two chain and flight sludge collector mechanisms. The chain and flight scrapers move the sludge to the influent end of the basin where it drops into a channel.

The channel contains cross collector mechanisms. The cross collector moves the sludge along the width of the basin to a hopper on the northeast end. The bottom of the hopper has a 12-inch diameter pipe to convey sludge to the sludge basin. An electrically actuated plug valve in the 12-inch drain line can be opened to blow down sludge. This valve can be controlled on a timer. Sludge is removed from the basin and discharged to the plant's sludge pumping station. From there, sludge is pumped to the sanitary sewer.

The sludge line can also be used as the drain line for the flocculation and settling basins. The flocculation basin has 12-inch diameter drain lines that connect to the sludge line downstream of the electrically actuated plug valve. The flocculation basin also has a decant line that connects to the sludge line. When dewatering the basin, the decant line can be opened and clearer water above the basin floor can be discharged to the backwash recovery basin through a tee and plug valve. The flushing

connection is provided on the sludge line. Flushing water can be connected to increase water pressure and assist with clogs in the sludge line. The flocculation/settling facility also has a number of hoses for wash-down throughout.

Filtration:

The Sheboygan Water Treatment plant has eleven rapid sand filters. Six of the filter units were constructed in 1931 and each unit has a capacity of 3 MGD. Three more 3-MGD filters were added in 1939. In 1959, the last two filters were added. Total filtration capacity at present is 36 MGD with all filters in operation. Filter loading rates at 3.0 gallons per minute per square foot of filter area, occurs when the plant is operating at capacity. All filters are kept in operation except for back washing, to minimize filtration rates.

In 1995, filter No. 9 was reconstructed by installing a Leopold underdrain with an IMS (Integral Media Support) cap. The underdrain is topped by 2 inches of garnet gravel which is overlain by 3 inches of garnet sand which is overlain by 12 inches of sand which is overlain by 18 inches of anthracite. In 1996, Filters No. 6, 7 and 8 were reconstructed in the same manner of No. 9. In 1997, Filters No. 4 and 5 were also reconstructed. In 1998, Filters No. 1, 2 and 3 were reconstructed. Finally, Filters 10 and 11 were reconstructed in 2002. All filters have a Leopold underdrain with an IMS cap. Filter 11 was again reconstructed in 2007 and filter 10 was reconstructed in 2018 due to underdrain failures.

The IMS cap replaces the need for support gravel. The IMS cap is manufactured of high-density polyethylene (HDPE) with a pore volume of 30 to 50 percent and a pore size of between 700 to 1000 microns. It has an air permeability of 75 to 125 scfm/ft^2. It is designed to be resistant to chemical break down with water treatment chemicals including a dosage of up to 2.0 ppm ozone and a chlorine residual up to 3.5 ppm

The Filter backwash frequency is controlled by three factors which are head loss across the filter, length of the filter run and turbidity. The filters are backwashed after a head loss of 5 feet is achieved or after a maximum run time of about 100 hours of continuous operation or a turbidity greater than 0.15 NTU. Each filter has a separate on-line continuous turbidity monitor to read filtered water quality output.

Backwash water is stored in a 500,000-gallon tank located 30 to 40 feet upgrade of the filter units. Water is pumped to the tank by a 100 horsepower Allis Chalmers horizontal centrifugal pump with a discharge capacity of 5,200 gpm at 55 feet of head.

An additional US Motors horizontal centrifugal backwash pump installed in 2013 provides redundancy for the existing 5,200 gpm backwash pump. The backwash pump has a capacity of 8,000 gpm at 60 feet of head and is powered by a 200 horsepower motor with variable frequency drive. The pump may also be used to backwash the filter unit directly. When the pump is used for backwash, it does have sufficient capacity to properly expand the filter bed for a thorough backwash. Backwash rates using the wash-water reservoir were calculated to range from 15 to 18 gpm per square foot, which should be sufficient to provide adequate filter bed expansion for a proper backwash. The 500,000-gallon tank can be filled from the distribution system. This allowed for the 1959 clearwell to be taken out of service for inspection in 2013.

At the start of a backwash cycle, the surface wash is started first. Then, the rate of flow of the backwash water is gradually increased manually until it is at the rate needed for adequate backwash. It is held there for about five minutes to ensure adequate backwash and then ramped down again.

The filter backwash treatment basin was completed in 1998, allowing the Utility to treat the water used in backwashing filters. The filter rate-of-flow control valves have been replaced on Filters 1 through 11. Piping has also been installed to allow for filter-to-waste capability. The backwash rate of flow control is manually adjusted.

UV Disinfection: The UV disinfection system was put in service on July 21, 2016. Ultraviolet light disinfection provides an additional treatment barrier. UV has been found to be very effective in the inactivation of giardia and cryptosporidium cysts and is included in the microbial toolbox as part of the Long Term 2 Enhanced Surface Water Treatment Rule (LT2ESWTR). The UV system delivers a validated dose of 12 mJ/cm^2 for 3 logs of giardia and cryptosporidium inactivation per the UA EPA UV Guidance manual.

A new two-level room was constructed for the UV equipment, located at the north end of the 1929 clearwell extension and east of the low lift pump and orthophosphate rooms. The building is concrete masonry construction including a pre-cast plank roof and glass block windows. The roof is continuous with the clearwell extension and includes a ballasted EPDM membrane over tapered insulation as well as a 6-foot square double leaf hatch for equipment access. The mezzanine level of the room will be accessible from the plant and from the outside.

Two 30-inch UV reactors were installed, one service and one standby, each capable of treating the design flow of 34 MGD (rated plant capacity). The UV reactors were located in the lower level of the new UV disinfection room, following the 1929 clearwell and prior to the high lift pumps. Presently, all filtered water flows through the new extension chamber from which two new 30-inch lines pass through the UV room. Each of the 30-inch lines include a butterfly valve followed by the 20 feet or more of straight run including a magnetic flow meter, the UV reactor, 6 or 8 feet of straight run on the outlet side and an electronically controlled butterfly valve. Each reactor was provided with a drain. A combination air release/vacuum valve was provided between the meter and the reactor on both lines. Sample taps were installed both upstream and downstream of both reactors. The magnetic flow meters upstream of each UV reactor send a 4 to 20 mA signal to UV control and SCADA systems. Other than during simultaneous shutdown of one reactor and startup of the other reactor, all of the water passes through only one reactor at a time.

There were limited options of where to locate the UV in the treatment process. Because the UV reactors were located after the clearwell and just prior to the high lift pumps, the Utility is not able to immediately shut the discharge side valve when a reactor is not operating within validated parameters. A quick shutdown could potentially cause serious hydraulic problems in the distribution system. When a reactor does go off-spec, the control system will start the second UV reactor but there will be a period of time during lamp cool down and warm up that the water will not meet the validated specifications but will be pumped to the distribution system. NR 811.60(6), Wis. Adm. Code requires that 99.9% of the volume passing through the reactors be within validated specifications. In lieu of this requirement, the Utility has agreed to operate the UV system at 3-log design dose with the following log inactivation credits earned:

- 3-log if 99.9% of water delivered on-spec for month
- 2-log if 99.0% of water delivered on-spec for month
- 1-log if 95.0% of water delivered on-spec for month

The volume of off-spec water sent to distribution system should be minimized if the high lift pumps were provided with variable frequency drives (VFDs).

The UV disinfection system was supplied by Trojan. The 30-inch Trojan 4L30 UV Swift units were constructed of Type 316L stainless steel and contain four lamps each. The medium pressure, high intensity lamps were mounted horizontally in cross-flow orientation and within quartz sleeves. The lamps do require both a warm up and cool down period during which full activation is not being achieved. A water level sensor in each reactor will shut down the system if a low water level is detected.

The Trojan UV Swift 4L30 validation report was prepared by HydroQual Environmental Engineers and Scientists for conformance with the 2006 USEPA Ultraviolet Disinfection Guidance Manual. The UV dose requirements that are being used for the 4L30 were determined by the validation process using Qβ bacteriophage as the challenge organism. The basis for the Department credit for UV disinfection is the certification by HydroQual that the 4L30 disinfection system is in conformance with the 2006 UVDGM. As with any new and developing technology, experience and research may dictate changes to the design and operation of UV systems in the future.

The control panels (one for each reactor) are located on the mezzanine level of the UV room. The PLC based control panel housing contains the electromagnetic ballast for each lamp and supplies the power for each reactor. An operator interface screen is located on the door of each control panel. Each panel also controls a UPS for the PLC. The reactors operate using the Calculated Dose Approach. The UV control system is tied to the plant SCADA system. Testing is required during startup of the reactors to demonstrate proper operation. A Startup Testing Report, an Operations Plan and a Mercury Response Plan, all in accordance with the US EPA UV Guidance Manual, was required before disinfection credits were issued. The utility needs to monitor, record and report the volume of off-spec water produced each month.

Two on-line UV transmittance monitors were provided and draw from the clearwell extension. For design purposes, the UV transmittance was assumed to be 94% and range between 91.9% and 100% with an average of 97%. The UV transmittance levels are sent to the master UV PLC and the average of the two values are sent to the reactor control PLC. The Utility uses their DR5000 spectrophotometer for manually analyzing UV transmittance.

Each reactor contains one sensor per lamp, which measures the UV intensity within the reactor. The sensors are located within quartz sleeves. A minimum of two reference sensors are provided for calibration. The duty sensors are calibrated with the reference sensors once per month and the reference sensors are calibrated once per year. The sensors each send signals to the control system.

The ActiClean cleaning system is designed to clean the quartz sleeves while online. The system includes a stainless steel wiper collar with an acid cleaning solution between rubber wiper seals. The

acid solution, ActiClean gel by Trojan, is NSF 60 certified. Periodically, the acid gel is replaced when it is no longer effective. Cleaning frequency is programmable.

The following critical alarms will trigger a reactor shutdown: ballast high temperature, low water level, reactor high temperature, wiper revolution proximity fault, wiper travel time exceeded, wiper home limit fault, multiple ballast failure, multiple lamp failure, dust cap off, E-stop alarm, no cooling water flow, inlet valve failure to open, inlet valve failure to close, outlet valve failure to open, outlet valve failure to close and low flow rate. The following major alarms will trigger a ramp off the power level to 100 per cent: Dosimeter communication time out, low UV dose, lamp failure, ballast failure and AccUVSensor signal lost. The following will trigger minor alarms: UVT out of range, UVT analyzer fault, lamp runtime hours exceeded and sensor calibration timer.

The Utility continuously monitors the free chlorine residual from the high lift pump discharge line. This chlorine level is used to calculate CT values. The injection taps for sodium hypochlorite and phosphate are on each 30-inch line within the UV room but downstream of the reactors and butterfly valves. Since the Utility feeds chlorine after the UV reactors, the continuous chlorine analyzers were installed prior to the UV units so as to measure the chlorine residual at the end of the clearwell.

Clearwells: After filtration, treated water is collected in clearwells located immediately below the filter units. The total storage capacity in the clearwells is 2.5 million gallons. All filter clearwells are connected by 36" diameter lines and two 36" diameter lines are used to route the filtered water to the high lift suction pump.

Clearwell extension was constructed to facilitate the UV facilities. The extension was constructed at the north end of the 1929 clearwell. The extension has an inside dimension of 7'x 29.5'x 24.5 feet deep and constructed of cast-in-place concrete. The wall adjacent to the clearwell will include a 4-foot square opening, 1.5' off the floor. A matching 4-foot square opening was cut in the lower wall of the existing clearwell to connect the extension and the clearwell. A slide gate could be added to the opening in the future if needed. The extension includes a concrete pipe chase below the roof slap, 7.5'wide x 7.5'tall and open to the adjacent UV room. The chase provides separation between the 36-inch raw water main passing through and the clearwell extension.

The floor of the clearwell extension is at 0.5 feet and the floor of the existing clearwell is 1.0, city datum or 581.5 and 582.0 USGS, respectively. Groundwater elevations are unknown but are likely to be similar to lake levels. Lake levels have ranged from 576.5 to 581.6 in recent years with the average being 578.8. Therefore, the floor elevations of the clearwell and extension may not be 2 feet above the groundwater elevation, as required by NR 811.63(4). Wis. Adm. Code. However, because the clearwell is followed by continuous UV disinfection, the Department has considered it as equivalent protection and waived the clearwell floor elevation requirement.

The roof of the clearwell extension is 12-inch thick cast-in-place concrete. Rigid insulation board was provided and tapered to provide a slope of 5/16" per foot with a minimum thickness of 2 inches. A 60-mil (0.060 inch) thick EPDM membrane was laid over the insulation and drain to the east and north. 1.5 inches of stone ballast were placed over the membrane. Metal bar grating was provided adjacent to the hatches for a walkway.

The clearwell extension includes a roof hatch, two vents, an overflow and wall pipe for the future connection. The roof hatch includes concrete curbing which extends 3 feet up from the roof slap with an opening size 3' x 5'. An overlapping hatch was provided, the rim of which ending up approximately 2' above the ballast. Two roof vents were provided for the clearwell extension, one on each side of the pipe chase. The vents consist of 12-inch cast iron pipe terminating with downward facing U-bend with 24-mesh screen and hardware cloth a minimum of 24 inches above the top of the reservoir. The vents are surrounded by concrete curbing extending up 18 inches from the concrete roof. The roof vents include a seepage ring in the concrete slap. The vent curbing is a minimum of 4 inches above the stone ballast and the vent terminates between 24 and 36 inches above the stone ballast.

The clearwell extension includes a 36-inch overflow consisting of an upward facing flared elbow inside the tank at flanged wall pipe cast into the east wall, a downward facing elbow on the outside and an extension down and terminating 12 to 24 inches over rip-rap with 24-mesh non-corrodible screen. The overflow also serves the 1929 clearwell which used to have no overflow. A second 36-inch flanged wall pipe is cast into the lower part of the east wall and provided with restrained plugs on both ends to allow influent from a potential future clearwell.

High Lift Pumps: The five high lift pumps have a combined designed capacity of 63.6 MGD. Actual capacity is 36 MGD. Two of the five pumps are provided with natural gas fueled engines, which can be used in the event of electrical power loss. Total combined capacity of the natural gas engine driven pumps is about 25 MGD. All high lift pumps discharge to the distribution system.

Chemical Addition

The Utility adds seven different chemicals (NSF approved) at various points in the water treatment process stream. The chemicals are listed below:

Activated Carbon: Powdered activated carbon can be fed seasonally before the inline mixers for taste and odor control.

Aluminum Sulfate (Alum): A solution of Aluminum Sulfate (Alum) is added to the water as a coagulation aid. The storage tank capacity is 6,972 gallons. Based on the average day demand of 15 MGD, and an average alum dose of 10 mg/l, there is 30 days of storage. There are two 800 gallon day tanks, with three Blue White Flex-Pro M3 peristaltic pumps. Two individual pumps feed to the east and west inline mixer, one to the south rapid mix, and the third pump can feed either rapid mix.

Sodium Hypochlorite: Sodium hypochlorite is fed for disinfection at different locations. The sodium hypochlorite feed system was completed in 2001when the Utility converted from a gas chlorine to a liquid chlorine system. The other dosages of chlorine are fed into the east and west basin inline mixers and high lift suction piping line. There are 8,625 gallon storage and 700 gallon day tanks.

The City installed a new Blue White peristaltic pump (one standby), model Flex-Pro M3 in 2015 to feed into the raw water line to the inline mixer. The Utility monitors chlorine residuals throughout the Plant. Chlorine residuals leaving the plant are varied from 0.6 ppm to 0.9 ppm based on the temperature to maintain an effective residual in the extremities of the distribution system.

Fluoride: Hydrofluosilicic acid is added for dental benefits to customers, particularly young children. Hydrofluosilicic acid is added to the finished water at a common filter effluent collection trough prior to the filtered water entering the clearwell. Current measurement of system fluoride indicates a range of 0.60 - 0.80 ppm in the distribution system after the new fluoride treatment addition was constructed in March 2002 on the southwest corner of the Plant. There are 2,500 gallon storage and 250 gallon day tanks.

Polyphosphate (Orthophosphate): The orthophosphate is added to the finished water post UV for corrosion control in the distribution system. Blue White peristaltic pump (one standby) model Flex-Pro M3 is used. There are 6,000 gallon storage and 80 gallon day tanks.

Potassium Permanganate: A potassium permanganate is added seasonally at the second intake for taste and odor control. Blue White peristaltic pump (one standby) model Flex-Pro M3 is used. Solution is mixed on demand in a 200 gallon day tank.

Cationic Polymer: A cationic polymer is added at the inline mixer as coagulation & flocculation aid. Blue White peristaltic pump (one standby) model A-100NV is used. There are 685 gallon storage and 55 gallon day tanks.

Booster Stations

The Utility operates four booster stations. The four booster stations are Georgia, Wilgus, EE and Erie stations. The booster stations have a lower pumping capacity than the pumping stations, and are largely operated to boost or maintain the line pressure within a pressure district. Inside the stations are located the pumps, pump control panels and water main connections. The operation of the pumps is centrally monitored and controlled (SCADA). The stations are ventilated and heated. Some of the stations are equipped with auxiliary power. The stations are all secured with lock and alarm systems.

Georgia Booster Station - Built in 1971, the booster station is located above ground on Georgia Avenue. The booster station houses five centrifugal pumps. The three pumps have the same pumping capacity (1000 GPM @ 245 feet of head) and the two new pumps have the same variable speed pumping capacity (2600 GPM @ 265 feet of head). Three pumps are from the same manufacturer (Allis-Chalmers), powered by 30 HP, AC electrical motors. The two new pumps are Peerless, one pump can be powered by the 100 HP, auxiliary natural gas engine. The station is equipped with a water sample tap, Chlorine Analyzer, Turbidmeter, HACH 1720C, flow meter, sensor phone alarm and SCADA system.

Wilgus Booster Station - Built in 1986, the booster station is located above ground near the intersection of Wilgus & Taylor Drive. The booster station houses three centrifugal pumps, 250 GPM at 275' of head, 600 GPM at 260' and 1750 GPM at 310' respectively. All pumps are Siemen Allis Pumps, powered by 7, 20 and 60 HP, AC electrical motors. The station is constructed out of concrete and equipped with a water sample tap. The station is locked and equipped with a SCADA system.

EE Booster Station - Built in 1999, the booster station is located underground at 4200 County Road OK. The booster station houses a centrifugal pump, 350 GPM at 240', powered by a 20 HP, AC electrical motor. The station is locked and equipped with a SCADA system.

Erie Avenue Booster Station – Built in 2007, the booster station is located on Erie Avenue. The booster station pumps water from the two 3-million gallons ground storage reservoirs (Standpipe) into the distribution system. The station includes three horizontal split-case pumps, each rated at 4,200 GPM at a discharge head of 125 feet. The pumps have 200 HP motors, and variable frequency drives.

Pump output can be controlled by a pressure transmitter, with pump speed/output adjusted to maintain the pre-set distribution system pressure. The booster pump station has electric actuated valves that control the filling of the reservoirs. The valves modulate to maintain a filling flow rate and, at the same time will not allow the distribution system pressure to drop noticeably. The station is equipped with water sample taps, Chlorine Analyzer, Turbidmeter, flow meter, sensor phone alarm and SCADA system. The station is also equipped with an emergency natural gas generator, capable of supplying power to operate two of the three pumps.

Storage Facilities

The system has a total storage capacity of 15,483,000 gallons. Of this total, 10,643,000 gallons of capacity is ground storage and 4,840,000 gallons is elevated storage.

Clearwells: The 1929, 1939 & 1959 Clearwells are located underground in the middle of the plant complex. The 1929, 1939 & 1959 Clearwells are reinforced concrete reservoirs with capacities of 1,660,000, 807,000 and 176,000 gallon respectively. The reservoirs were inspected in 2019.

EE Tower: The EE Tower is located near T-section of Gateway Drive and Tower Drive. It is a spheroid elevated storage with a capacity of 500,000 gallons. The reservoir was built in 1989. It was inspected in 2019.

Georgia Avenue Standpipe: The Georgia Avenue standpipe is located on Georgia Avenue. It is a steel standpipe with a capacity of 2,000,000 gallons. The reservoir was built in 1959. It was inspected in 2019.

Taylor Tower: The Taylor Tower is located on Taylor Drive. It is a steel spheroid elevated storage with a capacity of 4,340,000 gallons. The reservoir was built in 1933. It was inspected in 2019.

Erie Avenue Standpipes: The Erie Avenue Standpipes are located on Erie Avenue. These are two concrete ground storage reservoirs (standpipes) with a capacity of 3,000,000 gallons each. The standpipes were built in 2007. The standpipes were inspected in 2019.

Horizon Avenue Tower: The Horizon Avenue Tower is located on Horizon Avenue. It is a steel standpipe with a capacity of 600,000 gallons. The reservoir was built in 2018 and inspected in 2019.

Significant Deficiencies

During the course of the sanitary survey, 0 significant deficiencies were identified. Significant deficiencies indicate noncompliance with one or more Wisconsin Administrative Codes and/or represent an immediate health risk to consumers. As such, the deficiencies listed below should be corrected as soon as possible.

Significant Deficiency	Compliance Due Date	Code Citation

None

Deficiencies

During the course of the sanitary survey, 4 deficiencies were identified. Deficiencies are problems in the drinking water system that have the potential to cause serious health risks or represent long-term

health risks to consumers. These deficiencies may indicate noncompliance with one or more Wisconsin Administrative Codes. Corrective action should be completed for these deficiencies as soon as possible. If there were any significant deficiencies identified above, those should undergo corrective action first.

Deficiencies	Compliance Due Date	Code Citation
1. The air relief valve discharge piping at the Erie and Georgia booster stations do not have the screen.	12/31/2021	811.37(5)
2. The overflow of the wash tank, Georgia Avenue Standpipe did not have any screen on the overflow pipes. 3. The overflow Horizontal Tower, the screen was on the flapper instead of the overflow pipe.	12/31/2021	811.64(4)
4. The overflow of the EE Tower did not terminate within 12 to 24 inches above the ground surface.	12/31/2021	811.64(4)

Discussion and Schedule for Correction of Deficiencies:
The air relief valve discharge piping at the Erie and Georgia booster stations needs to be screened with 24 mesh non-corrodible screen.

The overflow of the wash tank, Georgia Avenue Standpipe and the Horizontal Tower need to be screened with 4 mesh non-corrodible screen.

The EE Tower overflow needs to be within 12 to 24 inches above the ground surface.

A plan for corrective action must be completed within 45 days of the receipt of this letter. The plan shall include a work schedule or completion of corrective action for all deficiencies identified. Failure to submit the corrective action plan or complete the corrective action within 45 days will result in enforcement action. Depending on the type of corrective action you employ, you may need to obtain prior approval and submit plans to the Department.

These deficiencies need to be corrected by 12/31/2021 in order to be in compliance. Failure to do so will initiate enforcement action.

Non-conforming Features
During the course of the sanitary survey, 7 features were discovered not allowed under the current code. These are features that met code requirements at the time of your public water system's construction, but today would be considered noncompliant. These are referred to as "non-conforming features." Though you are not required to correct these non-conforming features at this time, they will need to be corrected when any major work is done in the future.

Non-conforming Features
1. There is only a single sodium hypochlorite day tank.
2. The intakes have a history of freezing problems.

Non-conforming Features
3. The low lift pumps, discharge piping, pump facilities and/or controls are below grade.
4. The clear well high lift pumps are not above grade.
5. The overflow of Taylor Tower discharges directly to the storm sewer.
6. Feed line injectors at the UV treatment room are not installed in the vertical pipe or bottom half of the horizontal pipe.
7. The roof drains are not properly diverted away from the filters.

Discussion and Schedule for Correction of Nonconforming Features:
The utility regularly post feeds the sodium hypochlorite, the Utility would need to provide a dedicated day tank for post feed.

The Utility has explored several possible actions including warm water feed to prevent the formation of frazil ice at the intakes. The utility is looking at a new larger, longer and deeper intake in 2021-2024 which should help correct the problem. The new intake would be in conjunction with a new low-lift pump station located north of the existing shore well. The new low lift pump station is proposed for about 2021-2024 in conjunction with a new intake.

The low lift and high lift pumps are below grade and could flood. NR 811.30 requires pump motors to be located above grade. Please consider moving the low lift and high lift pumps at least 2 feet above the regional flood elevation, or if feasible install a gravity drain system at each facility.

The Taylor Tower overflow discharges directly to the storm sewer, it is considered non-complying but not a potential problem because of elevation differences.

The roof drain lines drain to the filter backwash drain line which discharges to the backwash retention tank then to the lake. When improvements are undertaken to minimize health risks, consider eliminating roof drain lines over the filters.

When improvements occur at the UV treatment room, feed line injectors should be installed directly up into the bottom half of the horizontal pipe.

The Utility should have an engineering evaluation done and come up with a master plan to provide a road map for how to make all the needed improvements. The department can certainly be involved by providing comments along the way.

Recommendations
During the course of the sanitary survey, 5 recommendations were identified. Recommendations are problems in the water system that hinder your public water system from consistently providing safe drinking water to consumers.

Recommendations
1. The water loss is less than 10%. We recommend that the Utility continues conducting a leak detection study for the entire system, or make sure that the unaccountable water was correctly reported. 2. The Department recommends that the Utility continue to keep all operator safety equipment (e.g., eye washing facilities, emergency showers, and leak detection) up-

Recommendations
to-date and tested regularly for proper operation. 3. The Department recommends that all chemical systems and lines continue to be exercised and checked on a regular basis to make sure that they are working properly. 4. The Department recommends that all anti-siphon devices for chemical feeds be periodically checked to make sure that they are working properly. 5. The Department recommends that screen covered air vents and overflows continue to be periodically inspected throughout the year.

Requirements

During the course of the sanitary survey, 4 requirements were identified. Requirements in the water system help your public water system consistently providing safe drinking water to consumers.

Requirements
1. Your private well abandonment program implementation is required annually. (NR 810.16) 2. Your cross connection control program implementation is required annually. (NR 810.15) The CCC report is due on March 1st yearly. 3. CCR report and certification is due every year on July 1st and must include all public notices for any MCL and M/R violations that occurred during the previous year. The CCR report and certification should be sent to Petwara. 4. Continue to inspect water storage structures at least every 5 years in accordance with NR 810.14. If cleaning is necessary, the storage structures shall be cleaned.

Water Quality Monitoring and Reporting

Based upon a review of the Department's Sample History for samples taken from January 1, 2018 through April 6, 2021 (See Water System Summary Information starting from Page 18), the water quality at the City of Sheboygan Waterworks complies with all state and federal primary drinking water standards.

Bacteriological Testing (Coliform Bacteria):

The City of Sheboygan Waterworks presently collects fifty samples per month from designated sampling sites located throughout the distribution system. The samples are routinely analyzed for total coliform bacteria. The number of bacteriological samples required per month by the Utility is based upon the population of the community served. Since the population of the City of Sheboygan was about 49,288 in 2018, fifty bacteriological samples per month were required (fifty samples per month for population between 40,001-50,000 people). With a decrease in the City of Sheboygan's population to 48,327 the Utility is required to collect the same routine bacteriological monitoring frequency of fifty samples per month.

The Utility is also required to report free chlorine residual at each bacteriological sample taken from the approved site. Since 2018, the Utility has negative (safe) bacteriological results reported. Since the Utility disinfects, the disinfection by-product (DBP) samples from the distribution system are also required. The DBP samples must be collected quarterly from the designated DBP sites approved by the Department.

Industrial Chemicals & Pesticides (Synthetic Organic Compounds):
In 2020, entry point 100 was sampled and tested for an array of synthetic organic compounds. The entry point reported no detection results for the chemicals specified.

Inorganic Compounds:
In 2020, entry point 100 was sampled and tested for a variety of inorganic parameters, including nitrates and nitrites. The test results showed that the entry points did not exceeded the primary or secondary standards. Primary MCLs are established for compounds with minimum public health standards, while secondary MCLs are for inorganic parameters affecting the aesthetic quality of the water. Some compounds have both primary and secondary standards. In 2018, entry point 100 reported detectable amounts for inorganic chemicals significantly below the MCLs.

Volatile Organic Compounds:
In 2020, entry point 100 was sampled for Volatile Organic Compounds. The test results reported a few detectable amounts that were well below MCLs.

Lead & Copper:
In 2020 the water in the distribution system was sampled for both Lead and Copper. The 90^{th} percentiles for Lead and Copper were 7.5 ug/l and 59 ug/l, respectively. Thirty sampling site locations were used. The action level for Lead in Chapter NR 809, Wis. Adm. Code, is 15 ug/l at the 90^{th} percentile, while the action level for Copper is 1300 ug/l at the 90^{th} percentile. The Lead and Copper results for the system are well below these action levels.

Radionuclides (Gross Alpha, Radium 226, Radium 228 and Uranium):
Entry point 100 was sampled for radioactivity in 2009. The results were reported very low levels below MCLs.

Additional Testing (Residual Chlorine):
Because the Utility chlorinates the water entering the distribution system, the Utility is required to test the residual chlorine level of every bacteriological sample collected from the distribution system. In addition, the Utility is required to sample the residual chlorine level in the distribution system at least twice every week. According to the Department's records (pumpage reports) the Utility has consistently measured and recorded residual chlorine levels in the system daily.

Required Reports, Records, and Utility Programs
Various records are maintained by the Utility and reported to the Department. At the beginning of each year, the Department provides the Utility with a list of their monitoring requirements for the upcoming year. The specific monitoring requirements can vary depending upon earlier test results. Changes made to the system, and to the susceptibility of the system involved may also affect specific monitoring requirements. In 2018, 2019, 2020 & 2021, the Utility was required to monitor its distribution system for Coliform Bacteria, Gross Alpha (2009) and Lead & Copper, and its entry points for selective Inorganic Compounds, Synthetic Organic Compounds (Pesticides) and Volatile Organic Compounds. The Department's records show the Utility has routinely satisfied all monitoring requirements. The results are submitted to the Department in a timely manner.

The Utility utilizes Eurofins Eaton Analytical Lab for analytical testing. The Sheboygan lab is certified to conduct the bacteriological testing. The test results are electronically sent to the Department. In addition to the above monitoring requirements, municipal water systems, as applicable, are required to monitor the daily output of water pumped, the daily quantities of any chemicals added to the water (i.e., Alum, KMnO4, Chlorine), the daily operation of any treatment processes, the results of any chemical, physical or other tests performed for plant control, and the calculated theoretical residuals and residual test results (i.e., fluoride, orthophosphate). The turbidity, alkalinity, pH and the temperature measurements are reported daily, in addition to the calculation of the totals and averages of the above data. This information is reported by the Utility to the Department on a monthly basis in its monthly pumpage reports. The Utility reports this information to the Department in the timely manner.

Certified Operator

The Utility employs nineteen certified operators (David Boenisch, Jeffrey Bruntjens, Thomas Desombre, Wayne Gilbertson, Eric Hinz, Josh Kubow, Daniel Marsicek, Glen Paider, Jason Risseeuw, William Rose, Tamara Scheuren, Bill Swearingen, Joe Trueblood, Mark Vaneffen, David Warden, Wosen Gizsaw, Tyler Beveridge, Andy Wellman and David McMillan). Bill Swearingen is assigned as operator-in-charge. Operators are certified with appropriate grade (S & D & I) of certification and have fulfilled their continuing education requirements.

Water System Security

We recommend that you conduct a daily security check of your entire drinking water system to insure doors are locked and windows secured.

System Summary Information

A water system summary is attached. Please review it for accuracy. If there are changes that need to be made, contact Petwara Toyingtrakoon at 920-400-0539.

Capacity Development Evaluation

This sanitary survey serves as an evaluation of the capabilities of your water system. This system has been determined to have adequate technical, managerial and financial capacity to provide safe drinking water. The ability to plan for, achieve, and maintain compliance with applicable drinking water standards has been demonstrated.

Required Action

Please respond by June 25, 2021 with notification that all deficiencies have been corrected, or that you agree to correct the deficiencies identified in this letter by the due dates, or with alternative dates for correcting these deficiencies. Failure to respond to this letter by June 25, 2021 may result in enforcement action.

Within 30 days of correcting each deficiency, please provide written notification to Petwara Toyingtrakoon of the date each correction was completed. This notification can be sent via email, or regular mail. If using regular mail, the postmarked date will serve as the date of your notification. Failure to provide this notification within 30 days of correcting each deficiency will result in a violation. Please also consider completing the recommendations discussed in this letter. Please address and correct the nonconforming features when upgrades are made at your facility.

The next sanitary survey of your system is scheduled to take place in 2024. You will be contacted prior to the survey to schedule a date that is convenient for you.

Thank you for your assistance during the sanitary survey. If you have any questions, you can reach me by phone at 920-400-0539 or by e-mail at petwara.toyingtrakoon@wisconsin.gov

Sincerely,

Petwara Toyingtrakoon, P.E. - Municipal Water Supply Engineer

cc: Bureau of Drinking Water/Groundwater - DG/5 Madison
Plymouth DG file

Water System Summary Information
Type: Municipal Community
Basin:
Population: 48327
Service Connections: 0
Owner: SHEBOYGAN CITY CLERK - MEREDITH DEBRUIN
828 CENTER AVENUE SECOND FLOOR
SHEBOYGAN, WI 53081
(920) 459-3361 Fax: (920) 459-2917 meredith.debruin@sheboyganwi.gov

Date Security VA Complete:
Date ERP Complete:
Date ERP Last Exercised/Updated:
Emergency Phone: (920) 459-3811
Emergency Fax: (920) 459-4325
Emergency E-mail: joetrueblood@sheboyganwater.org

Certified Operators

Name	Lic. #	Expires	Phone/Fax/E-mail	Address	City, State, Zip
TYLER BEVERIDGE	37177	11/01/2022	(414) 286-2880 bever12tw@gmail.com	3932 S 1ST PL	MILWAUKEE, WI 53207
DAVID BOENISCH	35472	05/01/2021	(920) 627-4460 daveboenisch@sheboyganwater.org	324 JACKSON ST	SHEBOYGAN FALLS, WI 53085
JEFFREY BRUNTJENS	34009	09/01/2021	(920) 459-3813	3026 N 25TH ST	SHEBOYGAN, WI 53081
THOMAS DESOMBRE	35469	05/01/2021	(920) 459-3800 tomdesombre@sheboyganwater.org	W2706 COUNTY ROAD J	SHEBOYGAN FALLS, WI 53085
WAYNE GILBERTSON	36828	05/01/2023	(920) 459-3813 wegilbe1@yahoo.com	3730 N 12TH PL	SHEBOYGAN, WI 53083
WOSEN GIZAW	36861	05/01/2022	(920) 459-3800 wosengizaw@sheboyganwater.org	72 PARK AVE	SHEBOYGAN, WI 53081
ERIC HINZ	30893	12/01/2022	(920) 208-3757 erichinz@sheboyganwater.org	1711 MANOR PARKWAY	SHEBOYGAN, WI 53083
JOSHUA KUBOW	36750	11/01/2021	(920) 459-3800 joshkubow@sheboyganwater.org	1304 MEAD AVE	SHEBOYGAN, WI 53081
DANIEL MARSICEK	35967	09/01/2022	(920) 459-3812 daniel_marsicek@hotmail.com	W4175 36.5 MILE ROAD	CARNEY, MI 49812
DAVID MCMILLAN	33903	05/01/2018	(920) 459-3980 davemcmillan@sheboyganwater.org	1213 WEST BELL AVENUE	HOWARDS GROVE, WI 53083
DAVID MCMILLAN	38319	05/01/2022	(920) 459-3980 davemcmillan@sheboyganwater.org	1213 WEST BELL AVENUE	HOWARDS GROVE, WI 53083
GLEN PAIDER	29032	05/01/2021	(920) 452-0421	3120 MILL RD	SHEBOYGAN, WI 53083
JASON RISSEEUW	35468	05/01/2021	(920) 668-6770 jasonrisseeuw@sheboyganwater.org	432 S 1ST ST	CEDAR GROVE, WI 53013
WILLIAM ROSE	35471	05/01/2021	(920) 459-3800 billrose@sheboyganwater.org	826 WESTVIEW ST	CLEVELAND, WI 53015
TAMARA SCHEUREN	37412	05/01/2023	(920) 627-5696 tamarascheuren@outlook.com	1809 MANOR PARKWAY	SHEBOYGAN, WI 53083
WILLIAM SWEARINGEN	33019	11/01/2023	(920) 459-3812 billswearingen@sheboyganwater.org	718 CARDINAL LANE	HOWARDS GROVE, WI 53083
JOE TRUEBLOOD	31787	05/01/2022	(920) 459-3805	72 PARK AVE	SHEBOYGAN, WI

Name	Lic. #	Expires	Phone/Fax/E-mail	Address	City, State, Zip
			joetrueblood@sheboyganwater.org		53081
MARK VANEFFEN	34010	09/01/2021	(920) 459-3811 markvaneffen@yahoo.com	3725 S 17TH ST	SHEBOYGAN, WI 53081
DAVID WARDEN	35470	05/01/2021	(920) 459-3800 davidwarden@sheboyganwater.org	2120 N 27TH PL	SHEBOYGAN, WI 53081
ANDY WELLMAN	35641	06/01/2021	(920) 395-2571 andywellman.aw@gmail.com	1629 N 3RD ST	SHEBOYGAN, WI 53081

Affiliations

Name	Affiliation	Start Date	End Date	Primary?	Phone
MR WILLIAM SWEARINGEN	SAMPLER	09/13/2012		Y	920-459-3812
SHEBOYGAN CITY CLERK - MEREDITH DEBRUIN	PLAN_CON	05/02/2006		Y	920-459-3361
SHEBOYGAN CITY CLERK - MEREDITH DEBRUIN	OWNER	01/01/1960		Y	920-459-3361
MR JOE R TRUEBLOOD	EMERGENCY	03/22/1999		Y	920-459-3805
MS PETWARA TOYINGTRAKOON	DNR_REP	12/07/2000		Y	920-400-0539
DAVE MCMILLAN	SAMPLER	12/09/2013		N	920-459-3812
MR JOE R TRUEBLOOD	PLAN_CON	01/31/2012		N	920-459-3805

Entry Points and Sources of Water (basic data)

Source ID	Name	WUWN	Status	Type	Source	Depth	Cased	Grouted
1	RAW WATER INTAKE		Active	SOURCE OF WATER	Surface Water Source			
2	RAW WATER INTAKE		Active	SOURCE OF WATER	Surface Water Source			
3	RAW WATER INTAKE		Perm Abandoned	SOURCE OF WATER	Surface Water Source			
100	PLANT FINISHED WATER		Active	ENTRY POINT	Permanent Surface Water Entry Point			

Entry Points and Sources of Water (misc. data)

Source ID	PLSS	Lat./Long.	Date Constructed	Water Bearing Formation	Casing Height	Casing Size	Cap/Seal Type	Variance?
1	T, R, S, Q- QQ-	43.67778N x 87.66889W						
2	T, R, S, Q- QQ-	43.66722N x 87.69222W						
3	T, R, S, Q- QQ-	N x W						
100	T, RE, S, Q-U QQ-U	N x W						

Storage

ID/Location	Type	Vol. (gal)	Firm Pumping Capacity (gpm)	Height to Overflow (ft.)	Overflow Elev. (sea-level, ft.)	Aux. Power?	Last Int. Inspect Date	Mfg.	Model
Taylor Ave	ELEVATED TANK	4340000				No			
Paine Ave (demolished, removed from the system)	ELEVATED TANK	100000				No			
Georgia Ave	STANDPIPE	2000000				No			
EE Tower	ELEVATED TANK	500000				No			
Erie Ave (2 standpipes, 3,000,000 gallons each)	STANDPIPE	6000000				Yes			
1929 Clearwell	GROUND STORAGE	1660000				Yes			
1939 Clearwell	GROUND STORAGE	807000				Yes			
1959 Clearwell	GROUND STORAGE	176000				Yes			
Horizon Tower	ELEVATED TANK	600000		114	831	No			

Booster Stations

ID/Location	Type	Firm Pumping Capacity (gpm)	Aux. Power?
Georgia Ave	ABOVE GROUND	26000	Yes
Wilgus & Taylor	ABOVE GROUND	1500	Yes
4200 County Road	BURIED	350	No
Eries Ave	ABOVE GROUND	4200	Yes

System Interconnects

ID/Location	Type	Capacity (gpm)	Metered?	Chemical Injection Capable?

None

Treatment Summary Data

Source ID	Type	Description	Begin	End	Objective(s)	Pump Model	Cap.	Stroke %	Speed %	Sol. Tank Cap.	Dil. Ratio	Comments
1	000	None	02/09/2000		No Treatment at Source							

Source ID	Type	Description	Begin	End	Objective(s)	Pump Model	Cap.	Stroke %	Speed %	Sol. Tank Cap.	Dil. Ratio	Comments
2	000	None	02/09/2000		No Treatment at Source							
3	000	None	02/09/2000		No Treatment at Source							
100	100	Activated Alumina	02/29/2000		Inorganics Removal							
100	125	Activated Carbon, Powdered	02/29/2000		Taste/Odor Control							
100	240	Coagulation	03/19/2015		Particulate Removal							Cationic polymer
100	345	Filtration, Rapid Sand	02/29/2000		Inorganics Removal ~Organics Removal ~Particulate Removal							
100	360	Flocculation	02/29/2000		Inorganics Removal ~Organics Removal ~Particulate Removal							
100	380	Fluoridation	01/01/1946		Other							
100	401	Gaseous Chlorination, Post	02/29/2000	02/29/2000	Disinfection							Per facility operator, this treatment was in effect from 1/1/1921 - 2/29/2000. Beginning date not changed to prevent violations.
100	403	Gaseous Chlorination, Pre	02/29/2000	02/29/2000	Disinfection							Per facility operator, this treatment was in effect from 1/1/1921 - 2/29/2000. Beginning date not

Source ID	Type	Description	Begin	End	Objective(s)	Pump Model	Cap.	Stroke %	Speed %	Sol. Tank Cap.	Dil. Ratio	Comments
												changed to prevent violations
100	421	Hypochlorination, Post	02/29/2000		Disinfection							
100	423	Hypochlorination, Pre	02/29/2000		Disinfection							
100	445	Inhibitor, Orthophosphate	02/29/2000		Corrosion Control							
100	560	Permanganate	02/29/2000		Taste/Odor Control							
100	600	Rapid Mix	02/29/2000		Inorganics Removal ~Particulate Removal							
100	660	Sedimentation	02/29/2000		Inorganics Removal ~Organics Removal ~Particulate Removal							
100	720	Ultraviolet Radiation	07/20/2016		Disinfection							

System Evaluation Summary

Inspector/Reviewer	Date	Report Date	Type	Agency	Response Due	Response Recd
TOYINGTRAKOON, PETWARA	04/06/2021	04/27/2021	SURVEY	DNR		
TOYINGTRAKOON, PETWARA	04/11/2018	05/10/2018	SURVEY	DNR		05/14/2018
TOYINGTRAKOON, PETWARA	04/16/2015	05/14/2015	SURVEY	DNR		06/18/2015
TOYINGTRAKOON, PETWARA	04/17/2012	05/16/2012	SURVEY	DNR	06/30/2012	06/20/2012
TOYINGTRAKOON, PETWARA	04/22/2009	05/06/2009	SURVEY	DNR		
TOYINGTRAKOON, PETWARA	04/29/2008	05/01/2008	ANNUAL	DNR		
TOYINGTRAKOON, PETWARA	04/20/2007	04/30/2007	ANNUAL	DNR		
TOYINPTRAKOON, PETWARA	04/11/2006	04/19/2006	SURVEY	DNR		
TOYINGTRAKOON, PETWARA	04/05/2005	04/18/2005	ANNUAL	DNR		
TOYINGTRAKOON, PETWARA	05/13/2004	05/19/2004	ANNUAL	DNR		
TOYINGTRAKOON, PETWARA	04/03/2003	05/12/2003	SURVEY	DNR		
TOYINGTRAKOON, PETWARA	06/12/2002	06/18/2002	ANNUAL	DNR		
TOYINGTRAKOON, PETWARA	02/01/2001	03/08/2001	ANNUAL	DNR		
SPAETH-WERNER, LIZ	05/27/1998		SURVEY	DNR		
SPAETH-WERNER, LIZ	06/16/1997	06/19/1997	ANNUAL	DNR		
Larry Landsness	04/03/1996	04/15/1996	ANNUAL	DNR		
SPAETH-WERNER, LIZ	06/01/1995	07/27/1995	SURVEY	DNR		
	05/30/1991		ANNUAL	DNR		
	06/22/1988		SURVEY	DNR		

Bacteriological Sampling History

Year	Distribution Safe	Distribution Unsafe	Confirmed Unsafe	Missed Samples	Raw Safe	Raw Unsafe	Fecal Positive?
2021	152			0			N
2020	600			0			N
2019	600			0			N
2018	600			0			N
2017	600			0			N
2016	600			0			N
2015	641			0			N

Chemical Sampling History

Year	Sample Group	Source ID	Samples Taken	Missed Samples	MCL Violations
2021	TOC_FINISHED	100	3	0	0
2021	DBP		2	0	0
2021	FLUORIDE		3	0	0
2020	IOC	100	1	0	0
2020	TOC_FINISHED	100	12	0	0
2020	VOC	100	1	0	0
2020	PBCU		30	0	0
2020	DBP		8	0	0
2020	SOC	100	2	0	0
2020	FLUORIDE		12	0	0
2019	TOC_FINISHED	100	12	0	0
2019	IOC	100	1	0	0
2019	DBP		8	0	0
2019	FLUORIDE		12	0	0
2018	TOC_FINISHED	100	12	0	0
2018	IOC	100	1	0	0
2018	DBP		8	0	0
2018	FLUORIDE		12	0	0
2018	PCB	100	2	0	0
2017	TOC_FINISHED	100	12	0	0
2017	IOC	100	2	0	0
2017	VOC	100	1	0	0
2017	PBCU		31	0	0
2017	DBP		8	0	0
2017	SOC	100	3	0	0
2017	PBCU_RULE		14	0	0
2017	PCB	1	2	0	0
2017	FLUORIDE		12	0	0
2017	PCB	100	10	0	0
2016	TOC_FINISHED	100	12	0	0
2016	IOC	100	1	0	0
2016	DBP		8	1	0
2016	PCB	1	8	0	0
2016	LT2	1	0	1	0
2016	PCB	100	11	0	0
2016	FLUORIDE		12	0	0

Year	Sample Group	Source ID	Samples Taken	Missed Samples	MCL Violations
2015	TOC_FINISHED	100	12	0	0
2015	IOC	100	1	0	0
2015	DBP		10	0	0
2015	FLUORIDE		12	0	0
2015	PCB	100	5	0	0

Sample Group	Last Sampled
BACTI	2021
FLUORIDE	2021
IOC	2020
RAD	2009
HAA5	2010
PBCU_RULE	2017
TOC_FINISHED	2021
PBCU	2020
NITRATE	1996
PCB	2018
VOC	2020
SOC	2020
TTHM	2010
DBP	2021

MCL Violations

Source ID		Contaminant	Concentration	MCL	Units	Viol. Start	Viol. End	Continuing Operation?

None

Definitions

MCL = Maximum Contaminant Limit (as set by the Environmental Protection Agency (EPA))
BACTI = Bacteriological Sample
IOC = Sample for Inorganic Compounds
NITRATE = Nitrate Sample
PBCU = Lead and Copper Sample
RAD = Sample for Radioactivity
SOC = Sample for Synthetic Organic Compounds
VOC = Sample for Volatile Organic Compounds
FLUORIDE = Fluoride from Fluoridation
TTHM = Total Trihalomethane Sample

Sheboygan Lab

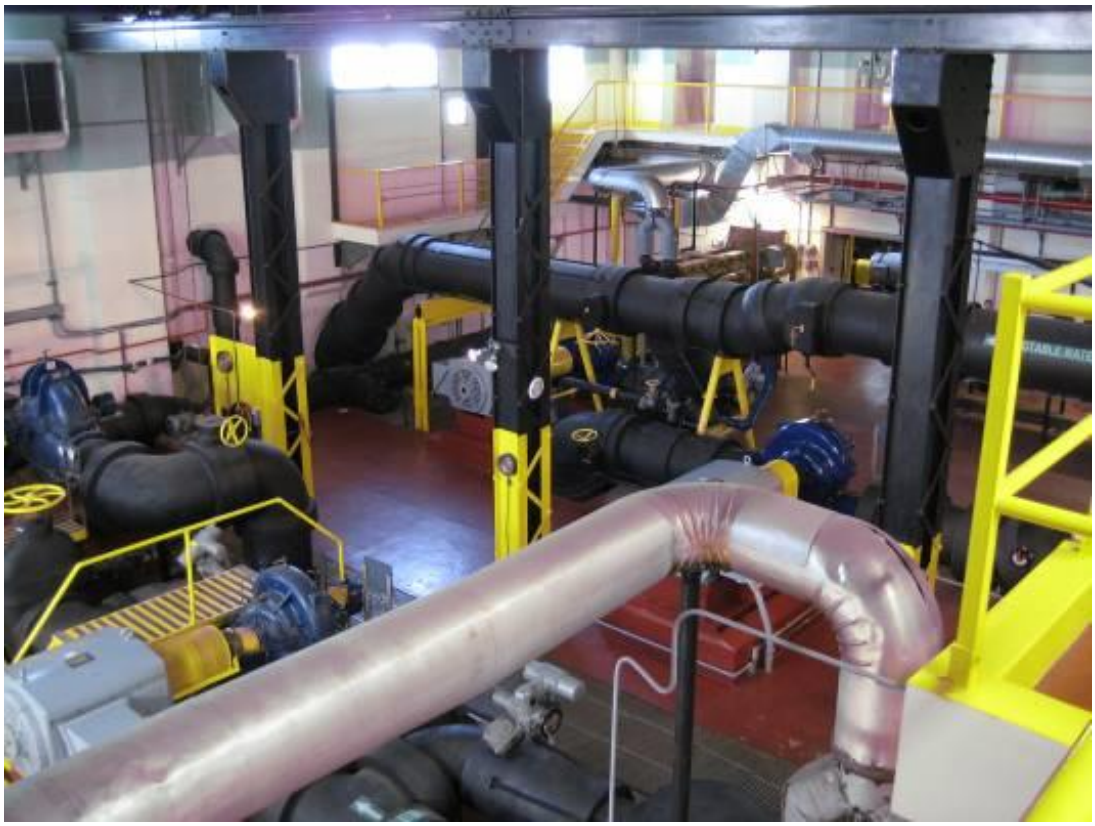
Sheboygan Control/Computer/Security Room

Static Mixing

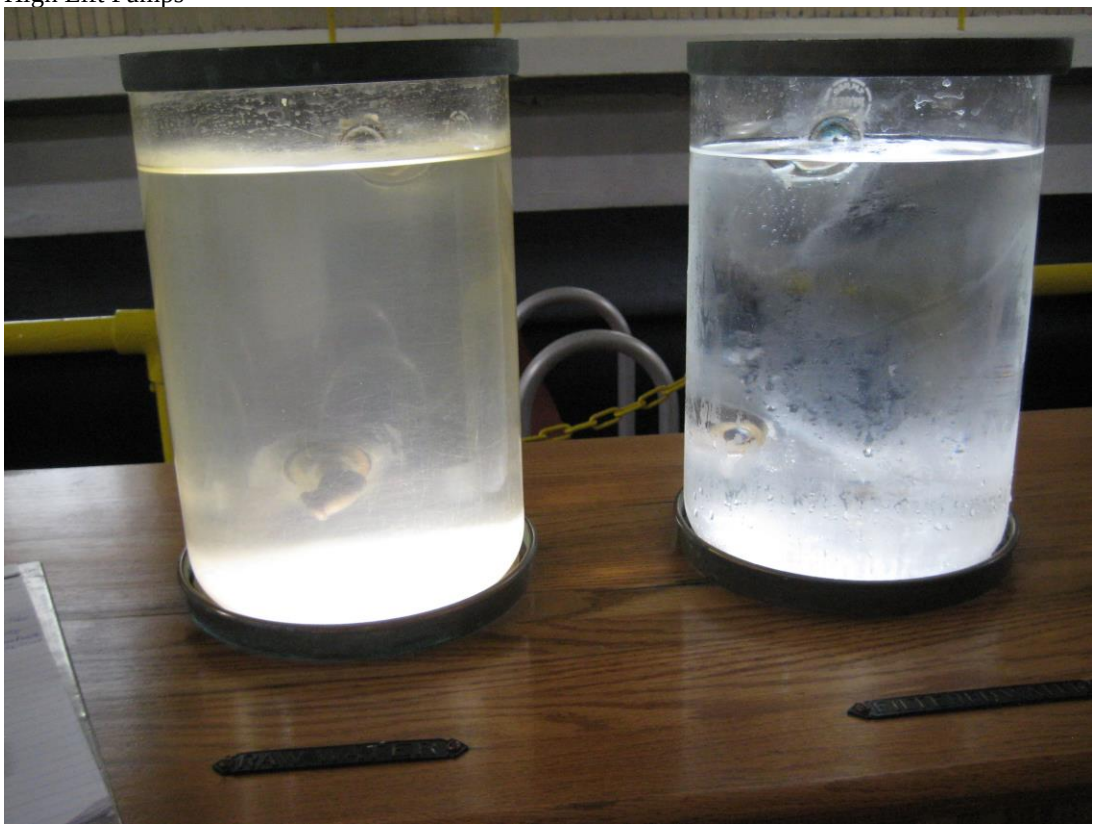
New intake/pump room location

Rapid mix

Low Lift Pumps



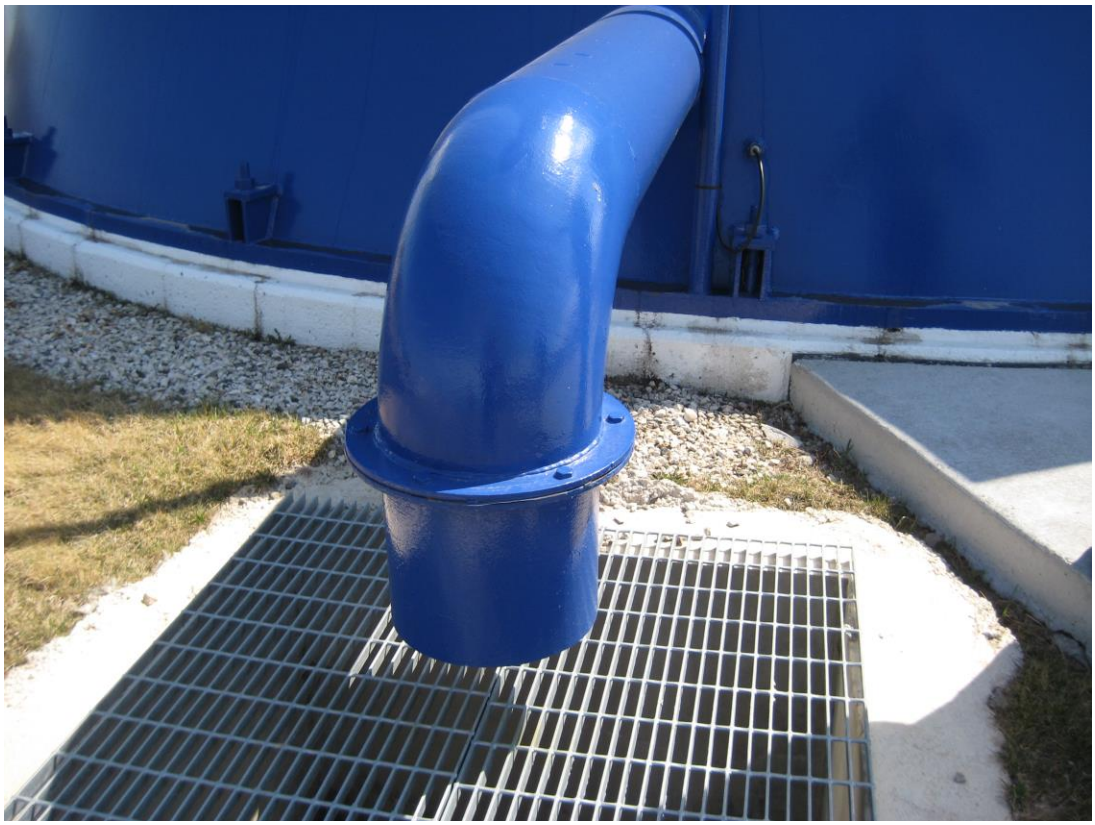
High Lift Pumps



Filters

South Flocculation/Sedimentation basins

South Flocculation/Sedimentation basins



EE Tower

Georgia Avenue Standpipe

Taylor Tower

Erie Avenue Tower

Horizon Tower Overflow

Sheboygan
Water Utility

BOARD OF WATER COMMISSIONERS

To: Joe Trueblood, Utility Superintendent

From: Dave McMillan, Distribution Supervisor

Subject: Water Services for WDOT Indiana Avenue Project

The Water Utility is planning to partake in a joint project in 2022 with Sheboygan County, the City of Sheboygan, and the Wisconsin Department of Transportation as part of reconstructing Indiana Avenue from South Taylor Drive to South 24th Street. The homes along this stretch of roadway consist of both City of Sheboygan and Town of Sheboygan residents. Many of these Town of Sheboygan homes on the west end of the project have water services ran to a curb stop in the right of way.

There are four Town of Sheboygan properties on the east end of the project that do not currently have water services running to a curb stop in the right of way. I would recommend that we have these services installed to the curb stop as part of the project. The expected life span of this road is 30-40 years and I think it would be proactive to have these services installed as to not disrupt the road if the properties would decide to annex to the city.

The Water Utility would cover the cost of installation with the understanding that there would be a connection fee at such time that the property annexed and was connected to the city water supply. The estimated cost of these four water laterals is $10,000 based on past project costs.

WWW.SHEBOYGANWATER.ORG
72 PARK AVENUE, SHEBOYGAN, WI 53081 • PHONE 920/459-3800 • FAX 920/459-4325