

*****ATTACHMENTS*****



REPORT OF BILLING

JULY 2020

	<u>2020</u>	<u>2019</u>	<u>Increase or (Decrease)</u>
<u>Quarterly Metered*</u>			
<i>(Dist II - between Union and Superior Ave.)</i>			
Residential	178,317.19	167,503.60	10,813.59
Multi-Family	25,253.20	23,419.63	1,833.57
Commercial	47,828.98	60,654.73	(12,825.75)
Industrial	4,460.30	5,805.60	(1,345.30)
Public	10,731.50	11,379.10	(647.60)
Subtotal	<u>266,591.17</u>	<u>268,762.66</u>	<u>(2,171.49)</u>

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

Public Fire Protection	67,635.10	64,727.99	2,907.11
Monthly Metered	<u>298,352.82</u>	<u>304,946.68</u>	<u>(6,593.86)</u>
Sheboygan Net	<u>632,579.09</u>	<u>638,437.33</u>	<u>(5,858.24)</u>
Sheboygan Falls	58,844.56	50,651.96	8,192.60
Kohler	<u>26,644.44</u>	<u>28,564.68</u>	<u>(1,920.24)</u>
Total	<u>718,068.09</u>	<u>717,653.97</u>	<u>414.12</u>

Total accumulative billing for 2020 is \$4,528,869.15. A decrease of \$504,766.70 from 2019 accounted for as follows:

	<u>2020-Total Year to Date</u>
Sheboygan	(493,238.02)
Sheboygan Falls	19,458.92
Kohler	<u>(30,987.60)</u>
	<u>(504,766.70)</u>

Total bills mailed July, 2020: 6,352

Residential	5,275	Multi-Family	5
Multi-Family	114	Commercial	18
Commercial	775	Industrial	65
Industrial	37	Public	8
Public	55		
Quarterly	<u>6,256</u>	Monthly	<u>96</u>



RETURN ON RATE BASE

July 31, 2020

	JULY 2020	JULY 2019
<u>Add 2 YR Average</u>		
Utility Plant Balance	\$ 65,083,387	\$ 61,954,930
Materials and Supplies Inventory	\$ 318,355	\$ 304,007
<u>Less 2 YR Average</u>		
Reserve for Depreciation	\$ 21,576,906	\$ 20,124,126
Customer Adv for Const	\$ -	\$ -
Average Rate Base	\$ 43,824,835	\$ 42,134,811
Net Operating Income YTD	\$ 550,455	\$ 1,047,208
Net Operating Income As a Percent of Average Net Rate Base	1.26%	2.49%

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.



CASH RESERVE

July 31, 2020

Ending balance on report for June 30, 2020	<u><u>\$ 11,088,881.49</u></u>
Plus: Receipts	556,226.77
Misc Receipts (includes large stop loss reimbursement)	275,013.82
Direct Pay Receipts	12,000.66
Money Market/CDARs Investment Interest	3,365.64
Minus:	
Disbursements - vendors and payroll	(1,222,220.63)
Bank Service Fees Credit	(874.42)
Health & Dental Claims/Adm Costs	(74,247.49)
NSF Checks & Customer Refunds	(200.56)
PSN Deposit Fees	(300.66)
Reallocate Sewer/Garbage - payments	299.84
Reallocate Sewer/Garbage - monthly	(1,050.37)
Postage	(3,018.56)
Utility Water Payments	(3,563.79)
Ending Balance July 31, 2020	<u><u>\$ 10,630,311.74</u></u>

Note: The above amount includes:

Bond Reserve Fund	706,626.79
CD Investment Account - 12 month	1,043,993.51
CD Investment Account - 12 month	1,383,435.98
CD Investment Account - 6 month	500,224.69
CD Investment Account - 6 month restricted	2,000,811.07
Money Market Investment	1,037,236.95
Health Insurance Restricted Reserve	380,000.00
BAN Funds for Construction	811,110.00
Total	<u><u>\$ 7,863,438.99</u></u>

General Unrestricted Operating Cash	2,766,872.75
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STATEMENT OF NET POSITION
JULY 31, 2020 AND 2019

<u>Assets and Other Debits Utility Plant</u>	<u>Year to Date 2020</u>	<u>Year to Date 2019</u>	<u>Liabilities and Other Credits</u>	<u>Year to Date 2020</u>	<u>Year to Date 2019</u>
Utility Plant	73,782,834	70,716,937	<u>Proprietary Capital</u>		
Depreciation- Utility Plant	24,051,823	22,460,362	Capital Paid by Municipal	1,640,701	1,640,701
Net Utility Plant	<u>\$ 49,731,011</u>	<u>\$ 48,256,575</u>	Unapprop. Earned Surplus	45,060,253	43,119,712
			Total Proprietary Capital	<u>\$ 46,700,954</u>	<u>\$ 44,760,413</u>
<u>Other Property and Investments</u>			Bonds, Loans & Advances	13,677,170	11,606,505
Appropriated Funds	811,110	149,888	Total Long Term Debt	<u>\$ 13,677,170</u>	<u>\$ 11,606,505</u>
Bond Redemption Fund	706,627	706,627			
Net Pension Asset ¹	-	387,084	<u>Current & Accrued Liabilities</u>		
Deferred Outflow - Pension & OPEB ¹	1,262,190	729,101	Accounts Payable	-	5,168
Total Other Prop & Investment	<u>\$ 2,779,927</u>	<u>\$ 1,972,700</u>	Accrued Liabilities	767,813	754,405
			Total Current & Accrued Liab.	<u>\$ 767,813</u>	<u>\$ 759,572</u>
<u>Current and Accrued Assets</u>			<u>Deferred Credits</u>		
Cash & Investments	9,113,325	7,088,874	Bond Premium	235,908	278,270
Accounts Receivable	1,396,731	1,417,287	Pre 2003 Depr on Contributed Assets	85,827	110,961
Grant Receivable - Restricted ²	12,500	2,500		<u>\$ 321,735</u>	<u>\$ 389,230</u>
Materials & Supplies Inventory	334,839	301,870	<u>Operating Reserves</u>		
Prepaid Expenses	9,750	46,969	Net Pension & OPEB Liability ¹	275,425	299,388
Total Current & Accrued Assets	<u>\$ 10,867,145</u>	<u>\$ 8,857,500</u>	Deferred Inflow - Pension & OPEB ¹	1,103,698	766,023
			Accrued Vac & Sick Leave	531,289	505,643
Total Assets and Debits	<u>\$ 63,378,083</u>	<u>\$ 59,086,775</u>	Total Operating Reserve	<u>\$ 1,910,412</u>	<u>\$ 1,571,054</u>
			Total Liab & Other Credits	<u>\$ 63,378,083</u>	<u>\$ 59,086,775</u>

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.



STATEMENT OF REVENUE, EXPENSES AND CHANGES IN NET POSITION

JULY 31, 2020 AND 2019

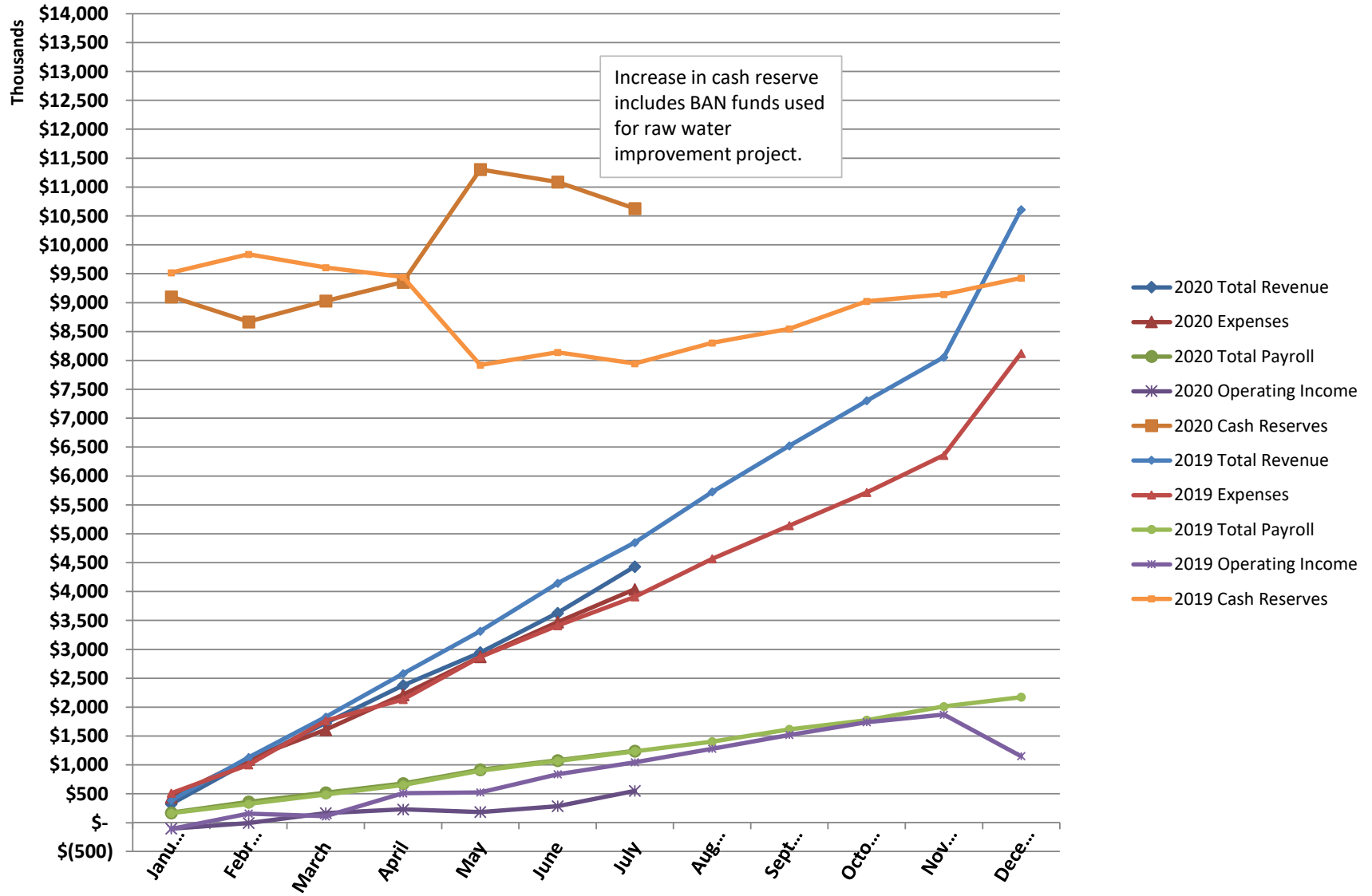
	2020		2019		Incr (Decr) YTD	% Incr/Decr YTD
	MONTH	YTD	MONTH	YTD		
Sales Revenue ¹	\$ 720,128	\$ 4,242,102	\$ 723,051	\$ 4,770,639	\$ (528,537)	-11.08%
Other Water Revenue ²	\$ 76,003	\$ 124,795	\$ 4,946	\$ 29,233	\$ 95,562	326.90%
Total Operating Revenues	\$ 796,131	\$ 4,366,897	\$ 727,997	\$ 4,799,872	\$ (432,975)	-9.02%
Operating Expenses	278,418	1,882,980	264,919	1,900,974	(17,994)	-0.95%
Maintenance Expenses	25,707	341,181	28,344	335,614	5,566	1.66%
Depreciation Expenses ³	126,499	902,864	120,591	828,412	74,451	8.99%
Taxes	101,899	689,417	103,558	687,665	1,752	0.25%
Total Operating Expenses	\$ 532,523	\$ 3,816,440	\$ 517,410	\$ 3,752,664	\$ 63,776	1.70%
Utility Operating Income	\$ 263,608	\$ 550,456	\$ 210,587	\$ 1,047,208	\$ (496,751)	-47.44%
Other Income & Expense						
Non-operating Grant Revenue	2,500	35,450	-	5,000	30,450	
Non-Operating Grant Expenses	(2,500)	(35,450)	-	(5,000)	(30,450)	
Bond Premium	2,989	19,675	2,739	19,175	499	
Interest Earned on Investments	4,451	29,539	6,026	43,460	(13,922)	
Contributions	-	-	-	-	-	
Other Expense	(10,825)	(34,475)	-	-	(34,475)	
Misc Amortization	2,094	14,661	2,094	14,661	-	
Bond Interest Expense	(28,214)	(188,098)	(26,368)	(185,212)	(2,886)	
Change in Net Position	\$ 234,104	\$ 391,757	\$ 195,078	\$ 939,293	\$ (547,535)	

¹ The decrease in Sales Revenue is due to a decrease in usage among industrial, commercial and public authority customers related to economic conditions most likely caused by the on-going health emergency. Usage among residential and multi-family customer classes appears normal.

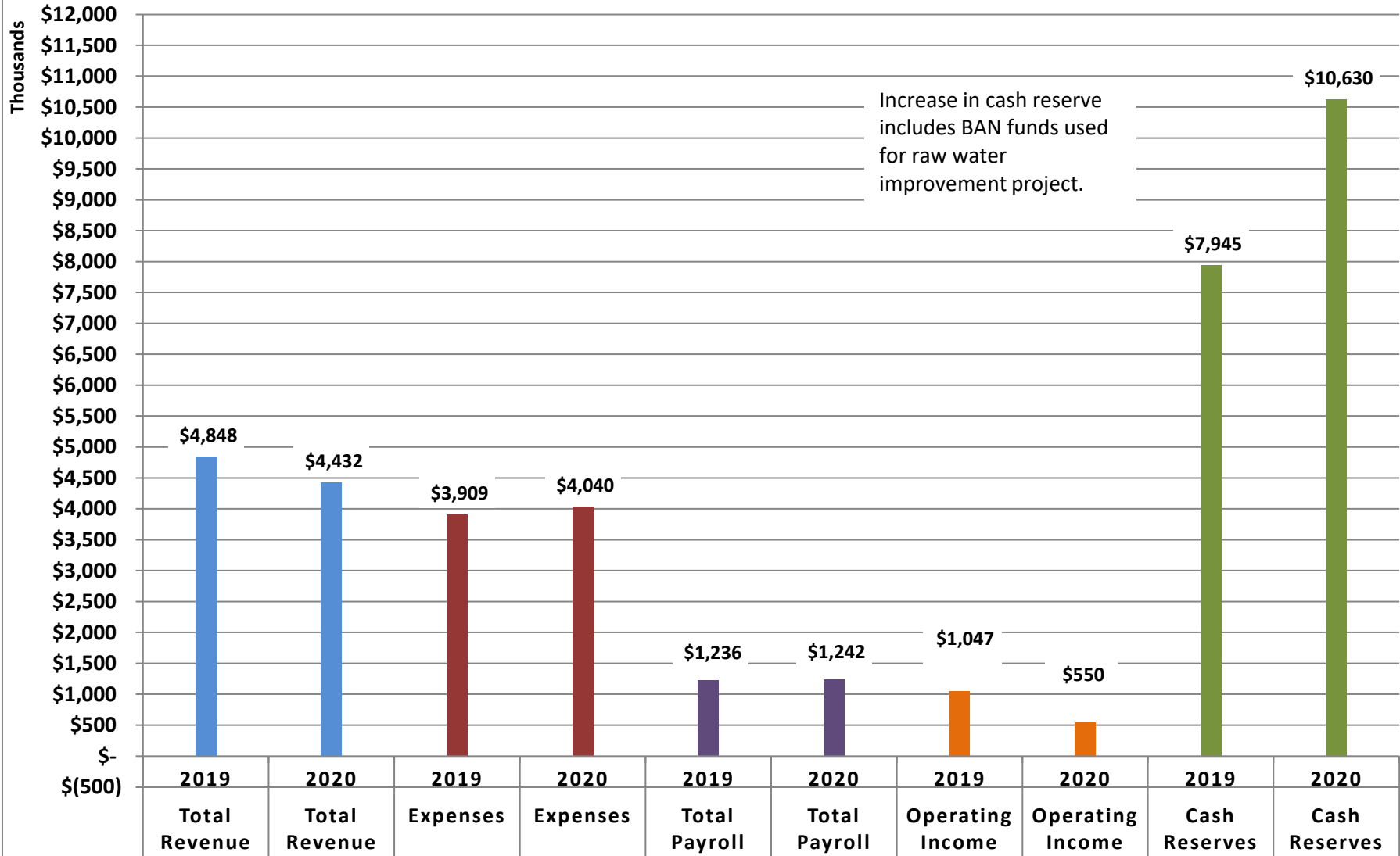
² The increase in Other Water Revenues includes a class action settlement pertaining to the purchase of liquid alum over a number of years and connection fees for a large southside development, part of which will be remitted to Sheboygan County upon receipt.

³ The increase in Depreciation Expense is due to the capitalization of the Horizon water tower, including new infrastructure at the SouthPointe Enterprise Campus.

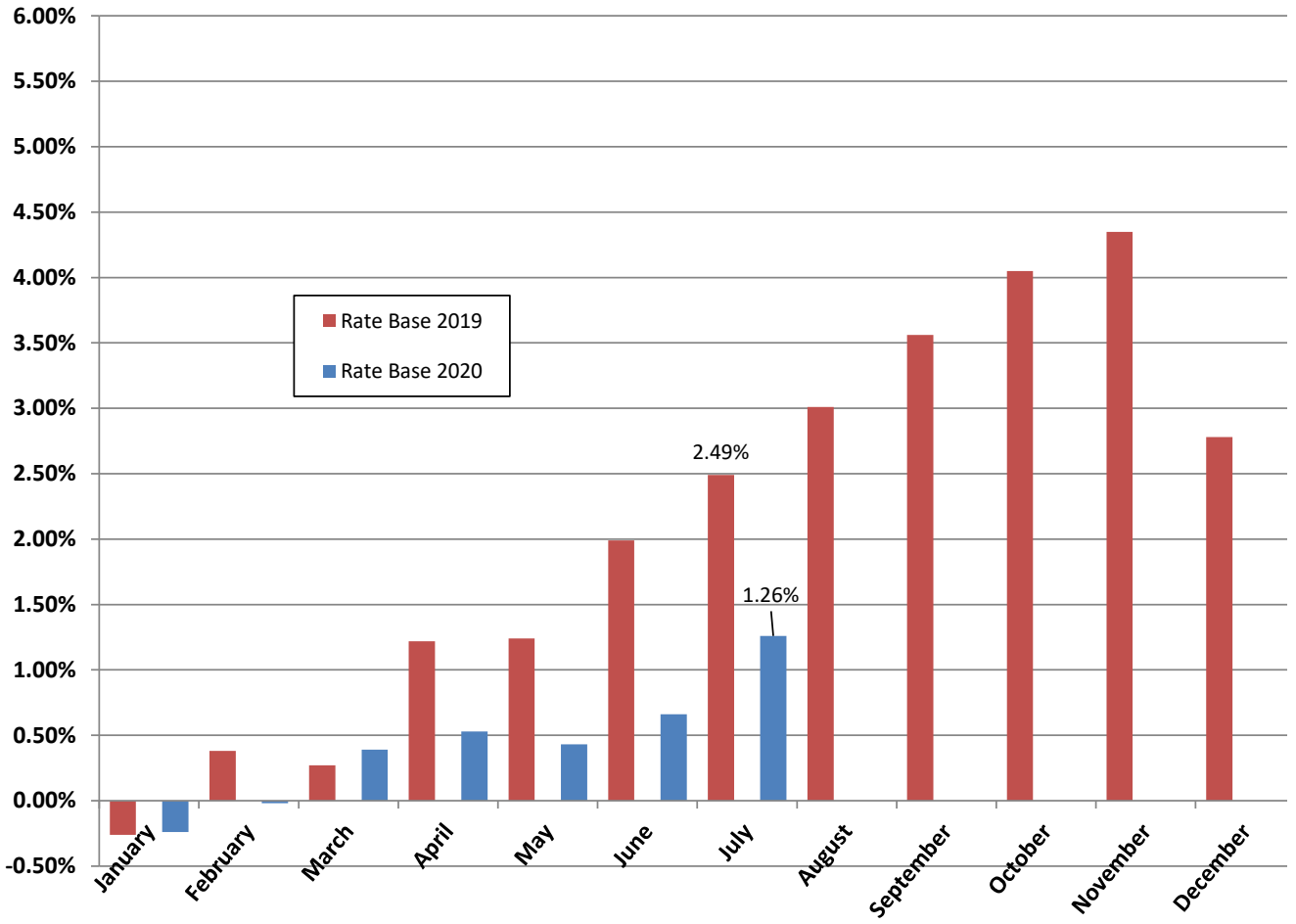
SHEBOYGAN WATER UTILITY JULY 2020 MONTHLY FINANCIAL TREND



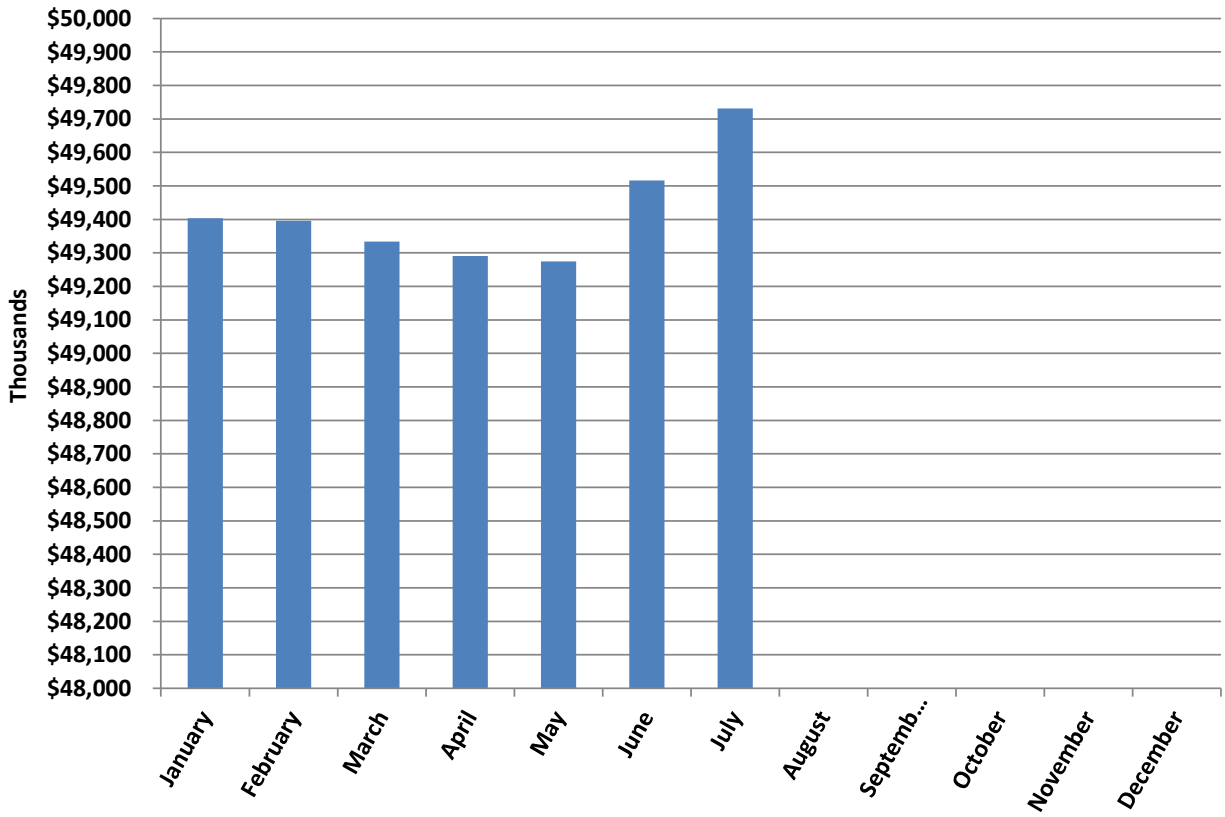
SHEBOYGAN WATER UTILITY JULY 2020 YTD FINANCIAL POSITION



SHEBOYGAN WATER UTILITY JULY 2020 RETURN ON RATE BASE



SHEBOYGAN WATER UTILITY JULY 2020 UTILITY PLANT BALANCE



July 2020

OPERATIONS' DEPARTMENT MONTHLY REPORT

PUMPAGE	HIGH LIFT		LOW LIFT		2020 VS 2019
	2019	2020	2019	2020	
Total in MG	423,941	407,812	425,185	407,995	-3.80%
Daily Average (MG)	13,676	13,176	13,716	13,161	2020 VS 2018
Max. Day (MG)	16,931	15,466	17,058	15,417	
					HL
Gal/KwH	1,178	1,160	5,160	5,198	-11.58%
ELECTRICAL COSTS					
	2019		2020		
A. Pumping:	KwH	\$	KwH	\$	
High Lift	356,028	\$27,346.53	349,276	\$25,468.84	
Low Lift	81,961	\$6,295.43	78,060	\$5,692.05	
Wash Pump 1	2,100	\$161.30	2,100	\$153.13	
Georgia St. Bstr.	54,000	\$5,000.00	50,100	\$4,912.07	
Wilgus Ave. Bstr.	3,500	\$435.91	3,400	\$413.24	
EE Pit / Bstr.	2,959	\$364.90	5,337	\$620.77	
Erie Ave. Bstr.	13,200	\$2,130.37	0	\$0.00	
Sub Total	513,748	\$41,734.44	488,273	\$37,260.10	\$/KwH -6.1%
B. Treat./Fiscal/Misc.	KwH	\$	KwH	\$	
Office & Maint. Bldg.	17,209	\$2,001.48	13,002	\$892.63	
Filter Plant / Pump Station / 2nd Service	47,311	\$4,152.23	43,564	\$3,689.64	
Sub Total	64,520	\$6,153.71	56,566	\$4,582.27	\$/KwH -15.1%
C. Distribution:	KwH	\$	KwH	\$	
Taylor Hill Tank	236	\$46.75	1,048	\$138.32	
Kohler Meter Pit	0	\$0.00	0	\$0.00	
EE Tower	329	\$57.69	1,075	\$141.43	
Washington (PRV) Pit	316	\$59.17	195	\$42.41	
Sub Total	881	\$163.61	2,318	\$322.16	\$/KwH -7.1%
Total Electrical Costs	579,149	\$48,051.76	547,157	\$42,164.53	
Electrical Cost / MG		\$113.35		\$103.23	
NATURAL GAS COSTS					
	2019		2020		
	CCF Used	Cost	CCF Used	Cost	
Production Facility	445	\$192.85	389	\$147.18	
South Basin	48	\$164.53	6	\$164.27	
Georgia St. Bstr.	9	\$70.01			
Erie Ave. Bstr.	0	\$31.56	0	\$29.59	
Wilgus Ave. Bstr.	0	\$17.88			
Office & Maint. Bldg.	417	\$182.57	324	\$127.81	
Total Natural Gas Costs	919	\$659.40	719	\$468.85	\$/CCF -9.1%
Natural Gas Cost / MG		\$1.56		\$1.15	
CHEMICAL COSTS					
	2019		2020		
	Lbs. Used	Cost	Lbs. Used	Cost	
Alum	38,363	\$5,524.27	39,738	\$5,622.93	-1.7%
Carbon	0	\$0.00	0	\$0.00	#DIV/0!
Chlorine	8,617	\$7,789.77	9,715	\$7,946.87	-9.5%
Fluoride	2,118	\$1,863.84	1,879	\$1,653.52	0.0%
KMnO4	274	\$1,001.74	383	\$1,397.84	-0.2%
Cationic Polymer	0	\$0.00	0	\$0.00	#DIV/0!
Liquid Phosphate	2,589	\$3,288.03	3,013	\$3,826.51	0.0%
Total Chemical Costs		\$19,467.65		\$20,447.67	5.0%
Chemical Cost / MG		\$45.92		\$50.06	
Grand Total		\$68,178.81		\$63,081.05	-7.48%
Total Cost / MG		\$160.82		\$154.43	-3.97%

YTD HL 2020 vs 2019	-11.45%	YTD HL HIGH DAY PUMPAGE	15,466	July 22, 2020	
YTD HL 2020 vs 2018	-15.48%	YTD HL LOW DAY PUMPAGE	8,396	January 1, 2020	
					YTD HL Ave Day
					2020
					11.108
					2019
					12.607
					2018
					13.154

NOTE:
July Pumpage is down ~3.08%.

COMPARATIVE SUMMARY OF PLANT OPERATIONS

July 2019

vs

July 2020

Pumping Record

High Lift

Low Lift

	2019	2020	Diff.		2019	2020	Diff.
Tot. Water in MG	423.941	407.812	-3.80%	Tot. Water in MG	425.185	407.995	-4.04%
Daily Average	13.676	13.176	-3.66%	Daily Average	13.716	13.161	-4.05%
Maximum Day	16.931	15.466	-8.65%	Maximum Day	17.058	15.417	-9.62%
Minimum Day	10.059	9.646	-4.11%	Minimum Day	9.958	9.655	-3.04%
By Natural Gas	4.423	3.425	-22.56%	By Natural Gas	2.287	2.250	-1.62%
Power in KWH	356,028	349,276	-1.90%	Power in KWH	81,961	78,060	-4.76%
Gals. per KWH	1,178	1,160	-1.56%	Gals. per KWH	5,160	5,198	0.74%
Power \$ / KWH	\$0.07681	\$0.07292	-5.07%	Power \$ / KWH	----	----	----
Power \$ / MG	\$64.51	\$62.35	(\$2.16)	Power \$ / MG	\$14.81	\$13.95	(\$0.86)
Tot. Power \$/MG	\$113.55	\$103.39	(\$10.16)	Tot. Power \$/MG	----	----	----

Treatment Chem.

Lbs. Used

Cost

Total Lbs.	2019	2020	Diff.	Total Cost	2019	2020	Diff.
Alum	38,363	39,738	3.58%	Alum	\$5,524.27	\$5,622.93	\$98.66
Carbon			#DIV/0!	Carbon	\$0.00	\$0.00	\$0.00
Chlorine	8,617	9,715	12.74%	Chlorine	\$7,789.77	\$7,946.87	\$157.10
KMnO4	274	383	39.77%	KMnO4	\$1,001.74	\$1,397.84	\$396.10
Polymer	0	0	#DIV/0!	Polymer	\$0.00	\$0.00	\$0.00
Liquid Phosphate	2,589	3,013	16.38%	Liquid Phosphate	\$3,288.03	\$3,826.51	\$538.48
Lb/ MG:				Cost / MG:			
Alum	90.2	97.4	7.95%	Alum	\$12.99	\$13.78	\$0.79
Carbon	0.0	0.0	#DIV/0!	Carbon	#DIV/0!	#DIV/0!	#DIV/0!
Chlorine	20.3	23.8	17.49%	Chlorine	\$18.32	\$19.48	\$1.16
KMnO4	0.6	0.9	45.66%	KMnO4	\$2.36	\$3.43	\$1.07
Liquid Phosphate	6.1	7.4	21.28%	Liquid Phosphate	\$7.73	\$9.38	\$1.65

Fluoride:	2019	2020		Fluoride:	2019	2020	
Total Lbs.	2,118	1,879	-11.28%	Cost	\$1,863.84	\$1,653.52	(\$210.32)
mg/l applied as F	0.74	0.70		Cost/MG	\$4.40	\$4.05	(\$0.35)
Av. Res. Plt. Tap	0.73	0.72					

Water Quality:

Raw

TAP

	2019	2020
Turbidity	0.90	1.10
pH	8.08	8.34
Alkalinity	105.9	106.5
MF (E-Coli)	0.3	9.0
Temperature	46.4	51.7
Wash-H2O % /LL	1.84	1.87
Av. Flt. Run/hrs	204.3	121.0
Av. ROF / MG	1.70	1.42

	2019	2020
Turbidity	0.030	0.039
pH	7.57	7.75
Alkalinity	100.0	100.3
Plate Count	0.00	0.00
Colilert	0	0
Temp.	48.1	54.6
Cl Res.	0.88	0.90

Natural Gas:

	2019	2020		2019	2020	Diff.
Nat. Gas Heating	0	-162,505	Plant & South Basin	\$125.22	(\$61,322.27)	(\$61,447.49)
Nat. Gas Pumping	536	162,899		\$232.16	\$61,633.72	\$61,401.56

	CCF	Cost	Natural Gas Cost	Natural Gas CCF
#3 Gas Pump	257.3	\$97.35	\$311.45	395
#4 Gas Pump	157.5	\$59.59		
#7 Gas Pump	102.5	\$38.78		
Electric Generator	162382.0	\$61,438.00		
Pumping totals	162899.3	\$61,633.72		

July 2020

		8/1/2020	7/1/2020	
Elapsed Time:				
% Run	No. 6 Pump	57,652.5	57,281.4	371.1
49.9%	Wash Pump Meter	5,544.13	5,522.96	21.17
2.85%	No. 7 Pump	674.6	670.5	4.1
0.6%	No. 8 Pump	59,445.7	59,445.7	0.0
0.0%	No. 9 Pump	3,782.0	3,033.0	749.0
100.7%	Wash Pump 2	667	660	7
0.9%	No. 1 Prime Pump	1,024.8	1,024.2	0.6
	No. 2 Prime Pump	1,085.6	1,084.7	0.9

		8/1/2020	7/1/2020	
Wattour Meters:				
Kw/Hr run	Wash Pump 1	1178.1	1175.1	2,100
99.2	No. 9 Pump	4555.69	4504.23	51,460
68.7	No. 8 Pump	6795.0	6795.0	0
#DIV/0!	No. 6 Pump	8072.2	7977.2	26,600
71.7	Wash Pump 2	68.63	67.85	936
133.7	No. 1 Pump	7324.749	7139.253	185,496
539.5	No. 2 Pump	4398.812	4355.404	43,408
239.0	No. 3 Pump	7999.717	7891.241	108,476
288.4	No. 4 Pump			0
#DIV/0!	No. 5 Pump	6,669.116	6,657.220	11,896
478.3				
	Garage (MWatt/Hrs.)	1,009.81	1,008.46	1,350

Power Co. (Step #3)	28,045	27,650	474,000
Left Meter - OUTSIDE			
Volume Used:			
Nat. Gas (Correct)	42,057,224	42,013,265	55,256

		8/1/2020	7/1/2020	
Elapsed Time:				
% Run	Emer. Generator	9,015.0	895.9	8,119.1
46.2%	No. 1 Pump	13,585.3	13,241.5	343.8
24.4%	No. 2 Pump	18,804.00	18,622.39	181.61
50.6%	No. 3 Elec. Pump	27,892.2	27,516.1	376.1
1.1%	No. 3 Nat. Gas Pump	459.0	450.7	8.3
0.0%	No. 4 Elec. Pump	0.00	0.00	0.0
0.5%	No. 4 Nat. Gas Pump	1,610.7	1,607.2	3.5
3.3%	No. 5. Pump	13,967,000	13,942,130	24,870
0.2%	UV Building Generator	79.7	78.2	1.5

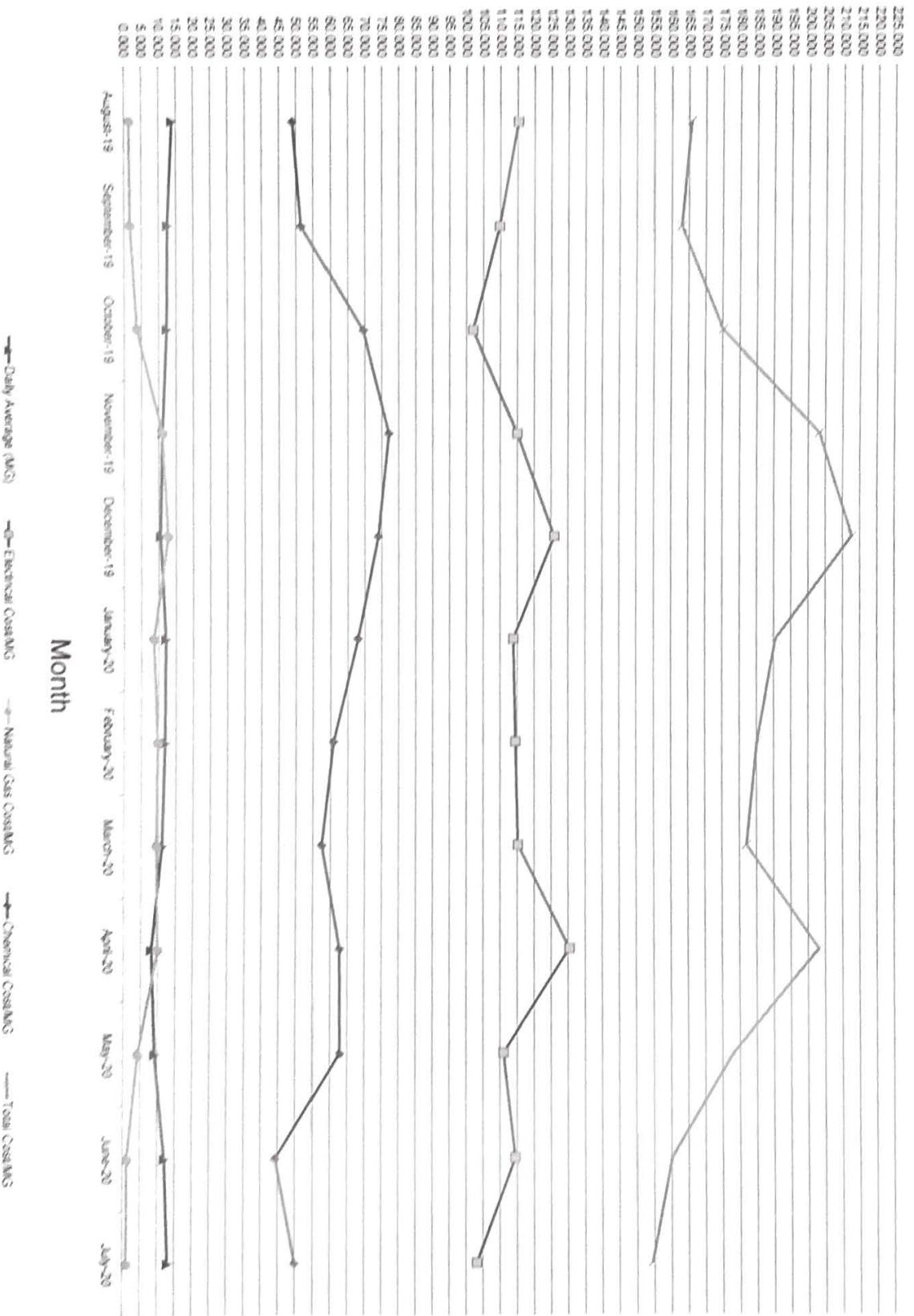
	8/1/2020	7/1/2020	
SLUDGE No. 1 Hour Meter	646.7	646.7	0
SYSTEM No. 2 Mag Meter	7,791,080	7,622,110	168,970
Recycle Meter (Reset to zero each month)			168,970

Power Cost	\$0.0729189	Bill >>>>	\$34,301.07
	0.44008	KWH >>>	470,400
Init. Chg.	\$34,563.58		
	\$	KWH	
Kohler Pit			
Horizon	\$67.48	392	Low L. KWH 78,060
Taylor	\$138.32	1,048	L.L. Cost \$ \$5,692.05
ALT. 72 Park	\$440.08	1,000	High L. KWH 349,276
Geo. Ave.	\$4,912.07	50,100	H.L. Cost \$ \$25,468.84
Wilgus Ave.	\$413.24	3,400	Total Cost \$31,160.89
EE Pit	\$620.77	5,337	
EE Tower	\$141.43	1,075	Plant Costs \$3,689.64
Washington	\$42.41	195	
Office	\$892.63	13,002	
Erie Ave.			
Total	\$42,232.01	549,549	

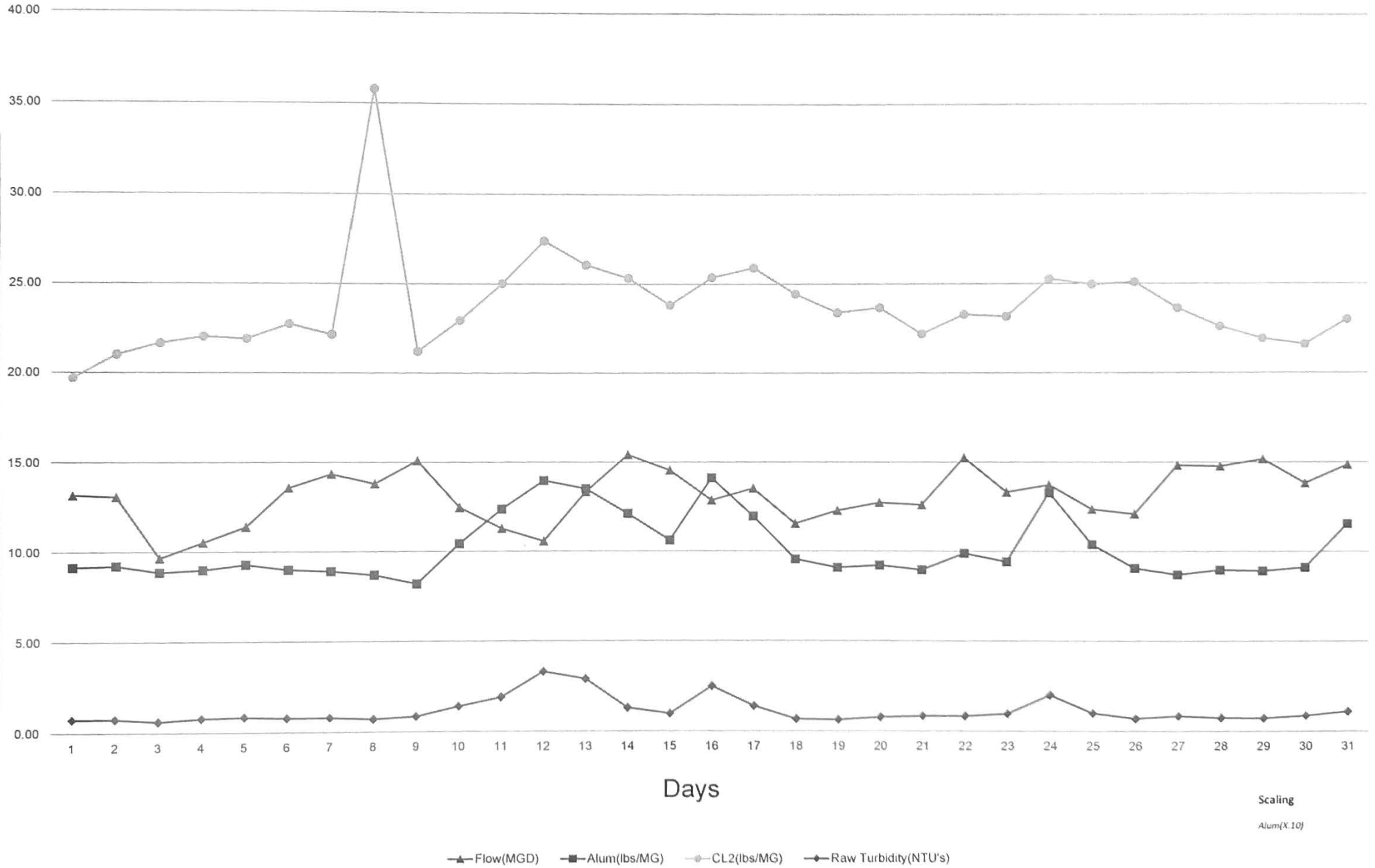
SUMMARY

	HIGH LIFT		LOW LIFT	
	2019	2020	2019	2020
Tot. Pump	423.941	408.468	425.185	407.995
Daily Ave.	13.676	13.176	13.716	13.161
Max. Day	16.931	15.466	17.058	15.417
Min. Day	10.059	9.646	9.958	9.655
By Nat. Gas	4.423	3.425	2.287	2.250
Power KWH	356,028	349,276	81,961	78,060
Gals/KWH	1178	1160	5160	5198
Cost/KWH	\$0.07681	\$0.07292	*****	*****
Cost/MG	\$64.51	\$62.35	\$14.81	\$13.95
Tot. Cost/MG	\$113.55	\$103.39	*****	*****

Plant Operations: Expense Report



July 2020: Sheboygan Water Utility Plant Operations Summary



Scaling

Alum(X.10)

▲ Flow(MGD) ■ Alum(lbs/MG) ● CL2(lbs/MG) ◆ Raw Turbidity(NTU's)

Filter Plant Maintenance Completed For July 2020

Subject	StartDate	EndDate	Description
UV Reference Numbers	1-Jul-20		Enter UV reference check numbers.
Georgia Ave. and Horizon	1-Jul-20		Check communication network hardware at Georgia and Horizon.
Taylor and Erie Ave.	1-Jul-20		Double check work at Taylor and Erie.
Sample	1-Jul-20		Sample water main site behind bitter Newman.
Lab Cover	1-Jul-20	2-Jul-20	Perform pH, Alkalinity, potassium, and fluoride tests.
UVT% Check	1-Jul-20		Check UVT% and install new desiccant package.
UV Reference Sensor	1-Jul-20		Perform UV reference sensor check.
Dan Off Vacation	1-Jul-20	2-Jul-20	Dan off for vacation.
Batteries Plus	2-Jul-20		Purchase 2 x SLA12-7F2 and return 3 used batteries.
Horizon	2-Jul-20		Site check and acquire aerial views.
Sample	2-Jul-20		Retrieve second samples behind bitter Neumann.
Bathrooms	2-Jul-20		Clean upper and lower bathrooms.
Lab Cover	2-Jul-20	3-Jul-20	Cover lab for Eric.
Joshua Vacation	3-Jul-20	12-Jul-20	
4th of July Holiday	3-Jul-20	4-Jul-20	Holiday
Dan on vacation	9-Jul-20	14-Jul-20	Dan on vacation
Joshua off for coverage	13-Jul-20	13-Jul-20	Joshua off for covering 1st shift Saturday and 2nd shift Sunday.
Filter to Waste Indicator	14-Jul-20		Apply two more coats of paint to valve position indicator.
Email and Calendar	14-Jul-20		Email and calendars
Permanganate Level Sensor	14-Jul-20		Diagnose permanganate level sensor issues.
Lead and Copper Sampling	14-Jul-20		Drop off lead and copper sampling kits.
Honold and Lapage	15-Jul-20		Order more hypo fittings and purchase face protection.
East Post Hypo Feed	15-Jul-20		Repair post hypo feedline issue in ortho room; broken fittings.
Potassium Permanganate	15-Jul-20		Continue diagnosing potassium tank level mismatch with Joe Marshall.
Lead and Copper	15-Jul-20		Pickup lead and copper samples.
lead and copper	16-Jul-20		Lead and copper sample collection
Josh operating 1st shift	16-Jul-20	16-Jul-20	Josh covering 1st shift operations
Filter plant garbage	16-Jul-20		removed filter plant garbage
Cleaned SWAN HYPO analyzers	16-Jul-20		Cleaned plant swan hypo analyzers
Joshua Covering 1st Shift	17-Jul-20	17-Jul-20	Joshua covering first shift for Mark.
Joshua Covering 1st Shift	18-Jul-20	18-Jul-20	Joshua covering 1st shift for Mark.
Joshua Covering 1st Shift	19-Jul-20	19-Jul-20	Joshua covering 2nd shift for Wayne, Mark switched to cover 2nd while I covered 1st.
Joshua off for Coverage	20-Jul-20	20-Jul-20	Joshua off for covering Glens 3rd shift.
Dan covering 2nd shift	20-Jul-20	21-Jul-20	Dan covering 2nd shift operations for Wayne
Wilgus and Georgia	21-Jul-20		Inspect check valve @ Georgia and pressure sender at Wilgus.
Horizon and EE Tower	21-Jul-20		Recalibrate hypo meter and check for normal operations.
Generators and Engines	21-Jul-20		Check generator and engine oil levels.

Yellow indicates days operating or running labs

July 2020

South Basin	21-Jul-20		Inspect South basin roof for seagull infiltration and check motors/gears.
Todd and Fischer	21-Jul-20		Contact outside vendors for pump warranties and generator service.
Indiana Ave. Sample Box	22-Jul-20		Repair Indiana Ave. sample point box.
Menards	22-Jul-20		Purchase locknuts, Georgia hardware, and mop.
Erie Ave.	22-Jul-20		Check building, grounds, reagents, and generator.
Georgia Ave.	22-Jul-20		Install nylon lock nuts, game plan light upgrade installation, and drop off new reagents.
Potassium Permanganate	22-Jul-20		Contact Joe Marshall and diagnose wizard 4000.
Georgia Ave.	23-Jul-20		Begin removing North building lights and wiring.
Georgia Ave.	23-Jul-20		Remove old ceiling lights and install new L.E.D. units.
Honold	23-Jul-20		Purchase tubing cutter, flexible conduit, ends, and misc.
Georgia Ave. and Maintenance Shop	23-Jul-20		Dispose of lighting waste, sweep Georgia south, and clean maintenance equipment.
Joshua Covering 3rd Shift	24-Jul-20	26-Jul-20	Joshua covering 3rd shift for Glen.
Dan coverage 2nd shift	25-Jul-20	26-Jul-20	Dan covering 2nd shift for Jeff
Joshua Off for Coverage	27-Jul-20	28-Jul-20	Joshua off for 3rd shift coverage.
Dan off for coverage	27-Jul-20	28-Jul-20	Dan off for coverage
South Basin Floc.	29-Jul-20		Repair South basin floc motor noise; rust hitting motor fan.
UV East sensor check	29-Jul-20		Completed East UV reference sensor check
South Fence	29-Jul-20		Repair Southern fence; section bent up near gate.
East UVT calibration	29-Jul-20		Calibrated east UVT analyzer
Confined Space Equipment	29-Jul-20		Procure confined space equipment for service technicians.
West Post UV Feed Line	29-Jul-20		Repair broken ½" hypo feed line; broken at injector.
Trash and Recycling	30-Jul-20		Throw away plant garbage and recycling.
Common Areas	30-Jul-20		Clan an disinfect fit plant common areas.
Filter Plant Bathrooms	30-Jul-20		Clean and disinfect filter plant bathrooms.
Joshua Operating 1st Shift	30-Jul-20	30-Jul-20	Joshua covering 1st shift for Mark.
Georgia Ave.	31-Jul-20		Remove old north light bank and install new L.E.D.s in pump 3/6 room.
Truck 6 and Maintenance Shop	31-Jul-20		Clean tools from Georgia project and restock maintenance shop.
Erie Ave.	31-Jul-20		Check building grounds, hypo reagents, generator, and communication room.
Taylor Hill	31-Jul-20		Check dehumidifier, condensation catch, and hypo reagents.
Georgia Ave.	31-Jul-20		Finish installing South light bank in pump 3/6 room.

Distribution System -- July 2020

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

Location	Date Installed	Size ("), Jt	Installed By	Type
Geele Ave and N. 22nd St (SW)	7/1/2020	12" MJ	Domer Inc.	G (vert)
Geele Ave. at Calumet Dr. (W)	7/6/2020	12" MJxFL	Domer Inc.	G (vert)
Garden Ct. at Calumet Dr. (W)	7/7/2020	8" MJ	ute.	G (vert)
S. 11th St and Maryland Ave (S)	7/7/2020	12" MJ	Vinton	G (vert)
S. 11th St -100' S of Maryland Ave (W)	7/8/2020	6" MJ	Vinton	G (vert)
S. 11th st at Illinois Ave (SW)	7/10/2020	6" MJ	Vinton	G (vert)
S. 11th St at Illinois Ave (S)	7/10/2020	8" MJ	Vinton	G (vert)
N. 22nd St and Geele Ave (N)	7/16/2020	8" MJ	Domer Inc.	G (vert)
Illinois Ave at S. 11th St (E)	7/16/2020	12" MJ	Vinton	G (vert)
Illinois Ave at S. 11th St (E)	7/16/2020	12" MJ	Vinton	G (vert)
S. 11th St -300' S of Illinois Ave	7/17/2020	6" MJ	Vinton	G (vert)
N. 31st St and Superior Ave	7/30/2020	6" MJxFL	ute.	G (vert)

Total Valves Installed = 12

Street Valves and Hydrant Valves Removed

Location	Installed	Abandoned	Type
Geele Ave. at Calumet Dr. (W)	12/31/1929	7/6/2020	TS & V
Garden Ct. at Calumet Dr. (W)	1909-1916?	7/7/2020	

Total Valves Removed = 2

Street Valves and Hydrant Valves Abandoned

Location	Installed	Abandoned
S. 11th St. at Illinois Ave. (N)	1917-1935?	7/7/2020
S. 11th St. at Maryland Ave. (S)	4/0/1920	7/7/2020
S. 11th St. at Maryland Ave. (N)	4/0/1920	7/10/2020
Illinois Ave. at S. 11th St. (E)	11/19/1946	7/16/2020
Illinois Ave. at S. 11th St. (W)	12/9/1993	7/16/2020

Total Valves Abandoned = 5

Street Valves and Hydrant Valves Maintained

Location	Maintained	Size

Total Valves Maintained = 0

Hydrants Installed (including water main projects and others)

Location	Installed	Tr Size	Hyd Valve?	Installed By
N. 23rd St. at Geele Ave. (NE)	6/24/2020	6"	y	ute.
Maryland Ave -300' W of S. Commerce St	6/30/2020		y	Vinton
Superior Ave. at N. Taylor Dr. (SE)	6/30/2020	7"	y	ute.

Total Hydrants Installed = 3

Hydrants Removed (including water main projects and others)

Location	Installed	Removed	Tr Size
Maryland Ave. at S. Commerce St. (NW)	6/23/2006	7/6/2020	y
Maryland Ave. at S. 11th St. (NW)	3/6/2002	7/8/2020	n
Superior Ave. at N. 31st St. (SW)	9/23/1976	7/30/2020	n

Total Hydrants Removed = 3

Hydrants Abandoned (including water main projects and others)

Location	Installed	Abandoned	Tr Size	Hyd Valve?
S. 11th St. 200' S. of Illinois Ave. (W)	11/21/1946	7/17/2020	6" + 12" ext	n

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
Taylor Drive -300' South of Union Ave	7/17/2020	16"

Total Water Main Breaks = 1

SUMMARY

Number of feet of 4 inch water main installed	0.0	water main
Number of feet of 6 inch hydrant lead installed	0.0	
Number of feet of 6 inch water main installed	0.0	
Number of feet of 8 inch water main installed	112.0	
Number of feet of 12 inch water main installed	1467.3	
Number of feet of 16 inch water main installed	3.0	
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	1,583	
Number of water main breaks repaired	1	
Number of hydrants installed	3	hydrants
Number of hydrants removed or abandoned	3	
Number of hydrants maintained or moved	0	
Number of street valves installed	9	valves
Number of hydrant valves installed	3	
Number of street valves removed or abandoned	5	
Number of hydrant valves removed or abandoned	0	
Number of valves maintained	0	
Number of water connections installed	1	

WATER MAIN AND APPURTENANCES INSTALLATION -- July 2020

Location: 8" Water Main	Installed	New Valves	New Hyd.	New Hyd Valves	Aband. Valves	Aband. Hyd.	Remove Hyd.	Size "	Feet Installed	New Hyd Lead	Size Aband.	Feet. Aband.	Feet. Rem.	By
N. 18th St North of Geele	7/17/2020	0	0	0	0	0	0	8	40	0	6" CIP	40		Dorner, Inc.
N. 22nd St at Geele Ave	7/16/2020	1	0	0	1	0	0	8	72	0	6" CIP	72		Dorner, Inc.
Totals:		1	0	0	1	0	0		112	0	0	112	0	

Location: 12" Water Main	Installed	New Valves	New Hyd.	New Hyd Valves	Aband. Valves	Aband. Hyd.	Remove Hyd.	Size "	Feet Installed	New Hyd Lead	Size Aband.	Feet. Aband.	Feet. Rem.	By
Geele Ave from N. 23rd St to N. 22nd St	7/1/2020	2	0	0	1	0	0	12	395		6" CIP	395	0	Dorner, Inc.
S. 11th St from Illinois Ave to Indiana Ave	7/17/2020	2	1	1	2	1	0	12	107.98	16.58	8" CIP	108	0	Vinton
S. 11th St from Maryland Ave to Illinois Ave	7/15/2020	2	2	2	2	0	1	12	437.1	22.26	8" CIP	437	0	Vinton
Maryland Ave from S. Commerce St to S. 11th St	7/7/2020	1	2	2	2	0	3	12	481.5	46.06	12" CIP	482	0	Vinton
Tie in N. Commerce at Wisconsin Ave	7/16/2020	0	0	0	0	0	0	12	45.67		16" CIP	46	0	Ute.
Geele Ave from Calumet Dr W to the RR Xing	7/7/2020	1	0	0	0	0	0	12	130		6" CIP	130	0	Dorner, Inc.
Totals:		8	5	5	7	1	4		1467.25	84.9	0	1468	0	0

Location: 16" Water Main	Installed	New Valves	New Hyd.	New Hyd Valves	Aband. Valves	Aband. Hyd.	Remove Hyd.	Size "	Feet Installed	New Hyd Lead	Size Aband.	Feet. Aband.	Feet. Rem.	By
Tie in N. Commerce at Wisconsin Ave	7/16/2020	0	0	0	0	0	0	16	3		16" CIP	3	0	Ute.
Totals:		0	0	0	0	0	0		0	0		3	0	

CUSTOMER RELATIONS & FISCAL SUMMARY

UTILITY BILLS

Mailed
5523

Emailed
1658



PAYMENT TRANSACTIONS

Electronic 3,861

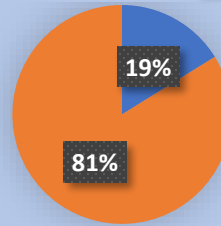
Cash & Check 2,987

#

6,848

Total Number of
Payments Processed

5
Payments Returned
Not Honorable



■ Auto-Pay
■ One Time

July 2019 July 2020

Payment Window	820	374
Drop Box Payments	378	456
Electronic Payments	3490	3861
Cash/Check Payments	2134	2157
Total Payments	6822	6848

COLLECTIONS

District 3 *Suspended Disco
Program due to Public Health Emergency

\$998,731

Billed

\$211,363

Outstanding After
Due Date

702

Past Due
Letters Mailed

0

Properties
Disconnected

\$63,424

Outstanding At
Month End

CUSTOMER SERVICE

	July 2019	July 2020
Answered Calls	1715	1300
Account Transfers	187	238
Property Data Requests	106	99

PSC COMPLAINTS

0 PSC Complaint(s) Filed

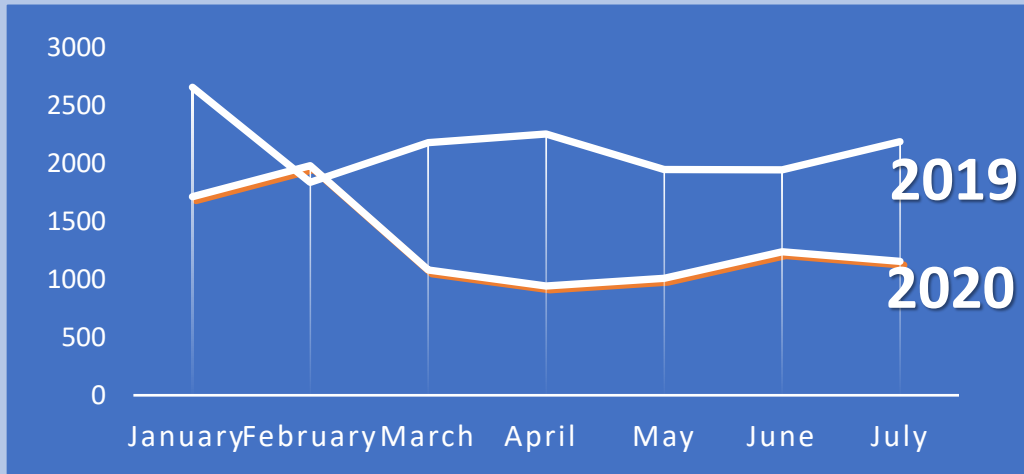
ACCOUNTS PAYABLE

129 Invoices Paid

JULY
2020

CUSTOMER RELATIONS & FISCAL SUMMARY

SERVICE TECH MILES DRIVEN



CROSS CONNECTION

2 Inspections

*Commercial/Industrial CCC Program started back up in June 2020. Previously suspended due to COVID-19.

LEAK ALLOWANCE

4 Customer Requests **42** CCF Allowed @ Reduced Rate



SERVICE LEAKS

0 New Reported Leaks

0 Leaks Fixed

1 Active Leak(s) Month End
**water off to this leak*

METERS

23

Meters

Installed/Replaced

26

Meters Tested



JULY
2020

CUSTOMER RELATIONS & FISCAL SUMMARY

FACEBOOK PAGE



11 July New Followers

647 Total Followers

WEBSITE VISITORS

2,705



2019 Visits in June: 2,643

Top Page Viewed: Pay Your Bill

MOST IMPRESSIONABLE FACEBOOK POSTS



Sheboygan Water Utility
Published by Tamara Mae [?] · July 13 at 3:54 PM · 🌐

Take a 📷 inside the proposed Raw Water Pump Station and Shore Well building 🌐 <https://bit.ly/2Ojdir5> . Read more about the Raw Water Improvement Project plans, including a new intake! 🌟 <https://bit.ly/309V40H>



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When you boost this post, you'll show it to more people.

860 People Reached 98 Engagements

👤 City of Sheboygan - City Hall, Andrew Filtz and Dave Sartori

Sheboygan Water Utility
Published by Tamara Mae [?] · July 9 · 🌐

SWU Goes Solar..... 🌞 📷 🌟
🌟 <https://www.sheboyganwi.gov/sheboygan-water-utility-goes-s.../> 🌟



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242 People Reached 33 Engagements

👤 Amelia Heling, Jenny Holm and 8 others

**JULY
2020**

CUSTOMER RELATIONS & FISCAL SUMMARY

ADDITIONAL CR/F ACTIVITIES JULY

- ◆ Disconnection program for nonpayment is still suspended due to public health emergency and state emergency order.
- ◆ Service Techs resumed meter change outs for industrial and commercial customers in July.
- ◆ The USS continue to rotate their schedule in the office on teams of two.
- ◆ All CR/F staff completed online diversity training through CVMIC in July.

JULY
2020



Sheboygan Board of Water Commissioners

Sheboygan Water Utility
 WI PSC Utility No. 5370
 72 Park Avenue
 Sheboygan, Wisconsin

2021 Budget

Budget provides for annual investment of **\$11,046,359** in all phases of Water Utility operations.

Revenues

Budgeted annual revenue total for 2021	<u>\$9,238,246</u>
Estimated annual revenue total as of December 31, 2020	<u>\$8,363,200</u> (1)
Projected revenues for 2021 expected to increase (decrease)	<u>\$875,046</u>

Expenditures

	Estimated 2020	Budget 2020	Budget 2021	Budget Increase (Decrease)	Percent Change
<u>Expenditure by Classification</u>					
Labor	\$1,708,849	\$1,674,598	<u>\$1,757,019</u>	\$82,421	4.92%
Source of supply expenses	\$10,000	\$18,000	<u>\$18,000</u>	\$0	0.00%
Pumping expenses	\$502,683	\$591,220	<u>\$594,120</u>	\$2,900	0.49%
Water treatment expenses	\$726,396	\$786,000	<u>\$796,000</u>	\$10,000	1.27%
Transmission & distribution expenses	\$892,387	\$1,100,500	<u>\$415,500</u>	-\$685,000	-62.24% (3)
Customer accounts expenses	\$60,230	\$68,800	<u>\$71,800</u>	\$3,000	4.36%
Administrative & general expenses	\$1,220,877	\$1,496,000	<u>\$1,686,900</u>	\$190,900	12.76% (4)
Taxes	\$1,347,372	\$1,302,500	<u>\$1,413,517</u>	\$111,017	8.52%
Capital outlay	\$2,378,441 (2)	\$3,685,000	<u>\$3,973,903</u>	\$288,903	7.84%
Interest expense on bonds	\$325,907	\$308,362	<u>\$319,600</u>	\$11,238	<u>3.64%</u>
<u>Totals</u>	<u>\$9,173,141</u>	<u>\$11,030,980</u>	<u>\$11,046,359</u>	<u>\$15,379</u>	0.14%

- 1) Rate increase authorized by WI PSC anticipated in fall 2020 (delayed due to covid and LSL program)
- 2) Decrease because of capital project delays due to Covid-19 pandemic.
- 3) Decrease due to Georgia Ave standpipe painting project in 2020
- 4) Increase due to health insurance costs and new private lead service line replacement program (\$430,000)

Sheboygan's water rates remain among the lowest in the state for class AB utilities serving more than 5,000 customers.



CASH AND BUDGET SUMMARY
2021

	Budget	Estimate	Budget
REVENUES	2020	2020	2021
<u>Cash Balance January 1 (including bond reserves)</u>	<u>\$8,266,865</u>	<u>\$9,425,185 (1)</u>	<u>\$10,742,988</u>
<u>Current Revenues</u>			
Total sales of water	\$7,096,891	\$6,383,736	\$6,813,600
Other operating revenues (other sales)	\$2,054,917	\$1,816,124	\$1,960,646
Non-operating revenues (rent, interest, WDNR lead grants)	\$139,000	\$163,340	\$439,000
Contributions in aid of construction	<u>\$25,000</u>	<u>\$0</u>	<u>\$25,000</u>
Total current revenues	<u>\$9,315,808</u>	<u>\$8,363,200</u>	<u>\$9,238,246</u>
Total reserves available	<u>\$17,582,673</u>	<u>\$17,788,385</u>	<u>\$19,981,234</u>
EXPENDITURES			
<u>Operation & Maintenance</u>			
Source of supply	\$19,500	\$11,500	\$19,500
Pumping	\$801,340	\$729,079	\$827,308
Water treatment	\$1,290,419	\$1,247,279	\$1,333,680
Transmission & distribution maintenance	\$1,617,215	\$1,415,490	\$950,077 (4)
Customer accounts	\$286,800	\$257,900	\$275,400
Taxes	\$1,302,500	\$1,347,372	\$1,413,517
Administrative & general (not including LSL grants)	<u>\$1,269,845</u>	<u>\$1,269,375</u>	<u>\$1,483,374</u>
Total operation & maintenance expenses	<u>\$6,587,618</u>	<u>\$6,277,996</u>	<u>\$6,302,856</u>
<u>Other Expenditures</u>			
Capital outlay	\$3,685,000	\$2,378,441	\$3,973,903
Safe Drinking Water Loan proceeds	\$0	\$0	\$0
Proceeds from bond issue	\$0	-\$3,100,000 (2)	\$0
Debt service (including principal and interest)	\$1,320,618	\$1,338,163	\$1,354,464
Non-operating grant expense (including WDNR and SWU LSL grants)	\$430,000	\$150,797	\$450,000 (3)
Total other expenditures	<u>\$5,435,618</u>	<u>\$767,401</u>	<u>\$5,778,367</u>
Total expenditures	<u>\$12,023,237</u>	<u>\$7,045,397</u>	<u>\$12,081,223</u>
Cash & Receivables Balance -December 31	<u>\$5,559,436</u>	<u>\$10,742,988</u>	<u>\$7,900,010</u>
(Total reserves - Total expenditures)			

- 1) Cash reported is actual Jan 1, 2020.
- 2) 2020 BAN used for engineering costs on raw water improvements project.
- 3) Anticipated \$320k WDNR LSL grant
- 4) Decrease due to water tower painting projects in prior years.



STATEMENT OF ESTIMATED REVENUES

2021

REVENUE SOURCE	Actual 2019	Budget 2020	Estimate 2020	Budget 2021
<u>Metered Sales to General Customers (approx. 4,900 million gallons)</u>				
Residential	\$2,270,882	\$2,247,000	\$2,386,184	\$2,553,217
Multi-family	\$260,100	\$224,700	\$300,932	\$305,000
Commercial	\$549,061	\$535,000	\$564,270	\$603,769
Industrial	\$3,803,061	\$4,090,191	\$3,132,350	\$3,351,614
Totals	\$6,883,104	\$7,096,891	\$6,383,736	\$6,813,600
<u>Other Sales to Water Customers</u>				
Private fire protection	\$108,902	\$114,947	\$66,395	\$71,043
Public fire protection (% inc Falls & Kohler)	\$902,709	\$904,150	\$911,799	\$975,625
Sales to public authorities	\$110,428	\$111,280	\$94,296	\$100,897
Sales to Sheboygan Falls & Kohler	\$732,679	\$834,600	\$692,833	\$741,331
Totals	\$1,854,717	\$1,964,977	\$1,765,323	\$1,888,896
<u>Other Revenues</u>				
Late payment charges	\$49,731	\$44,940	\$25,000 (4)	\$26,750
Miscellaneous sales	\$29,898	\$45,000	\$25,801	\$45,000
Rental income from Georgia Ave	\$23,486	\$24,000	\$24,674	\$24,000
Billing & collecting charge to City	\$61,501 (2)	\$45,000	\$48,000	\$45,000
Grant revenues - restricted (other billing & collecting costs accounted for by expense reduction)	\$92,024	\$20,000	\$40,000	\$320,000 (1)
Totals	\$256,641	\$178,940	\$163,475	\$460,750
Total Revenues	\$8,994,461	\$9,240,808	\$8,312,534	\$9,163,246
<u>Other Income</u>				
Interest	\$75,112	\$50,000	\$50,666	\$50,000
Contributions in aid of construction (including private laterals)	\$1,541,118 (3)	\$25,000	\$0	\$25,000
Totals	\$1,616,229	\$75,000	\$50,666	\$75,000
REVENUES	Grand Totals	\$10,610,690	\$9,315,808	\$8,363,200
		\$9,238,246		

- 1) WDNR LSL grants
- 2) One-time credit due to error in cost-sharing of Digger's Hotline locating charges.
- 3) Includes Southpointe Enterprise campus potable water infrastructure cost of \$1.54M
- 4) Late fees waived for several months due to Covid-19



OPERATION AND MAINTENANCE EXPENSES

2021

<u>Source of Supply Expenses</u>	<u>Actual</u> <u>2019</u>	<u>Budget</u> <u>2020</u>	<u>Estimate</u> <u>2020</u>	<u>Budget</u> <u>2021</u>
<u>Operations</u>				
Labor	\$0	\$500	\$500	\$500
<u>Maintenance</u>				
Labor	\$0	\$1,000	\$1,000	\$1,000
Intakes	\$10,598	\$18,000	\$10,000	\$18,000
Totals	\$10,598	\$19,500	\$11,500	\$19,500
 <u>Pumping Expenses</u>				
<u>Operations</u>				
Labor	\$50,271	\$40,120	\$44,685	\$46,025
Electricity & natural gas	\$475,224	\$500,000	\$420,000	\$500,000
Pumping equipment	\$0	\$3,120	\$0	\$3,120
Miscellaneous	\$26,120	\$25,800	\$24,000	\$27,000
Utilities	\$38,537	\$42,300	\$38,683	\$44,000
<u>Maintenance</u>				
Labor	\$166,302	\$170,000	\$181,712	\$187,163
Pumping equipment	\$28,663	\$17,000	\$17,000	\$17,000
Structures	\$5,119	\$3,000	\$3,000	\$3,000
Totals	\$790,236	\$801,340	\$729,079	\$827,308
 <u>Water Treatment Expenses</u>				
<u>Operations</u>				
Labor	\$460,438	\$426,419	\$461,825	\$475,680
Water treatment equipment	\$316,733	\$380,000 (1)	\$380,396	\$390,000
Chemicals	\$249,225	\$275,000	\$250,000	\$275,000
Miscellaneous	\$4,144	\$55,000	\$25,000	\$55,000
Utilities	\$13,922	\$21,000	\$21,000	\$21,000
<u>Maintenance</u>				
Labor	\$53,990	\$78,000	\$59,058	\$62,000
Water treatment equipment	\$27,683	\$30,000	\$25,000	\$30,000
Structures	\$21,222	\$25,000	\$25,000	\$25,000
Totals	\$1,147,357	\$1,290,419	\$1,247,279	\$1,333,680

1) Includes sludge disposal charges to WWTP (\$60k) and contractor (\$200k) along with maintenance, lab equipment



OPERATION AND MAINTENANCE EXPENSES

2021

	Actual 2019	Budget 2020	Estimate 2020	Budget 2021
<u>Transmission & Distribution Expenses</u>				
<u>Operations</u>				
Labor	\$286,951	\$257,110	\$295,366	\$297,577
Reservoirs & standpipes	\$15,313	\$17,000	\$17,000	\$17,000
Mains & hydrants	\$23,774	\$15,000	\$15,000	\$15,000
Meters	\$2,842	\$40,000	\$40,000	\$40,000
Customer services	\$119,847	\$110,000	\$75,000	\$120,000
Miscellaneous	\$28,412	\$40,000	\$41,212	\$40,000
Utilities	\$24,215	\$16,000	\$20,675	\$22,000
<u>Maintenance</u>				
Labor	\$239,404	\$259,605	\$227,738	\$237,000
Structures & improvements	\$5,558	\$9,000	\$7,000	\$9,000
Reservoirs & standpipes	\$567,023 (1)	\$705,000 (3)	\$575,000	\$20,000
Mains	\$108,249	\$90,000	\$60,000	\$95,000
Meters	\$2,132	\$3,500	\$6,500	\$6,500
Hydrants	\$25,253	\$50,000	\$30,000	\$26,000 (4)
Customer Services	\$1,858	\$5,000	\$5,000	\$5,000
<u>Totals</u>	<u>\$1,450,831</u>	<u>\$1,617,215</u>	<u>\$1,415,490</u>	<u>\$950,077</u>
<u>Customer Accounts Expenses</u>				
<u>Operations</u>				
Labor	\$170,685	\$218,000	\$197,670	\$203,600
Meter reading	\$6,640	\$4,000	\$4,000	\$4,000
Billing & collecting	\$55,647	\$37,000	\$30,000	\$40,000
Uncollectible accounts	\$4,998	\$8,000	\$8,000	\$8,000
Utilities	\$718	\$800	\$645	\$800
Postage	\$13,806	\$19,000	\$17,584	\$19,000
<u>Totals</u>	<u>\$252,495</u>	<u>\$286,800</u>	<u>\$257,900</u>	<u>\$275,400</u>
<u>Taxes</u>				
Local & school (property tax equivalency paid to City)	\$1,124,163	\$1,170,000	\$1,217,372	\$1,278,517
Payroll	\$121,189	\$122,500	\$120,000	\$125,000
P.S.C. remainder assessment (mandatory fee to state regulator)	\$9,445	\$10,000	\$10,000	\$10,000
<u>Totals</u>	<u>\$1,254,797</u>	<u>\$1,302,500</u>	<u>\$1,347,372</u>	<u>\$1,413,517</u>
<u>Interest Expense Long Term Debt</u>				
Expense (bonds, SDW loans, unfunded pension)	<u>\$337,471</u>	<u>\$308,362</u>	<u>\$325,907</u>	<u>\$319,600 (2)</u>

1) Includes \$554,243 for stripping and painting the Behrens Parkway water tower

2) Bonds: 2013, 2016, 2018; SDW loans: 2004, 2015. BAN: 2020.

3) Includes \$700,000 for stripping and painting the 2.0 MG Georgia Ave. standpipe

4) Includes \$20,000 for stripping and painting 200 fire hydrants



OPERATION AND MAINTENANCE EXPENSES

2021

	Actual <u>2019</u>	Budget <u>2020</u>	Estimate <u>2020</u>	Budget <u>2021</u>
<u>Administrative & General Expenses</u>				
<u>Operations</u>				
Labor	\$214,355	\$223,845	\$239,295	\$246,474
Office supplies	\$10,305	\$12,000	\$12,000	\$12,000
Utilities	\$3,900	\$4,000	\$2,522	\$4,000
Outside services & lawyers (cross connection, health ins. review)	\$11,842	\$70,000	\$42,575	\$82,000
Auditors	\$9,888	\$26,000	\$12,000	\$13,000
<u>Property Insurance</u>				
Property and contractors' equipment	\$35,865	\$40,000	\$32,000	\$35,000
Auto	\$6,415	\$7,000	\$7,000	\$7,000
Crime	\$958	\$1,000	\$939	\$1,000
<u>Injuries & Damage Insurance</u>				
Workmen's Comp	\$16,534	\$35,000	\$15,976	\$35,000
General liability, public officials, umbrella	\$24,597	\$28,000	\$26,280	\$30,000
<u>Other Expenses</u>				
Hospitalization (actual claims inc prescip, TPA, reduced by emp contribs)	\$642,951	\$630,000	\$620,000	\$704,900 (2)
Retirement	\$256,327 (1)	\$101,000	\$212,000	\$221,000
Life	\$4,711	\$4,000	\$4,416	\$4,000
Regulatory commission expense	\$18,181	\$30,000	\$8,000	\$30,000
Miscellaneous & administrative expense	\$43,610	\$45,000	\$25,000	\$45,000
Non-operating grant expense (WDNR grants)	\$92,024	\$20,000	\$40,000	\$320,000 (4)
Private lead service line (LSL) replacement (SWU grants and loans)	\$0	\$430,000	\$150,797 (3)	\$130,000 (4)
<u>Maintenance</u>				
Office equipment maintenance	\$1,750	\$1,000	\$1,000	\$1,000
Office facilities maintenance	\$9,451	\$12,000	\$8,371	\$12,000
<u>Totals</u>	<u>\$1,403,665</u>	<u>\$1,719,845</u>	<u>\$1,460,172</u>	<u>\$1,933,374</u>
EXPENDITURES (NOT INCLUDING CAPITAL)	<u>Grand Totals</u>	<u>\$6,647,451</u>	<u>\$7,345,980</u>	<u>\$6,794,700</u>

1) Increase due to GASB 75 for unfunded pension liability.

2) Utility is self-insured; annual costs vary depending on actual claims.

3) Includes SWU grants and loan monies for LSL replacements on Geele Ave project.

4) New budget item includes \$390,000 for replacements (~100) on water main projects and \$40,000 for other replacements (~10)



**CAPITAL OUTLAY
2021**

	Actual	Budget	Actual & Estimate	Budget
	2019	2020	2020	2021
<u>New Construction and Meters</u>				
2021				\$1,231,999 (1)
2021				\$40,000
2021				\$124,904
2021				\$60,000
2021				\$90,000
2021				\$9,000
2020		\$2,250,000	\$1,348,750 (2)	
2020		\$96,000	\$96,000	
2020		\$60,000	\$10,000	
2020		\$90,000	\$90,000	
2019	\$3,260,264 (3)			
2019	\$309,102			
2019	\$121,675			
2019	\$75,560			
	Total new construction	\$2,496,000	\$1,544,750	\$1,555,903
<u>Other capital outlay</u>				
<u>Source of Supply</u>				
2021				\$1,850,000
2020	\$29,072	\$500,000	\$500,000	
<u>Pumping</u>				
2021				\$50,000
2020		\$35,000	\$35,000	
2020		\$15,000		\$15,000
2019	\$507,528			
<u>Equipment</u>				
2020		\$85,000	\$55,000	
2019	\$22,825			
2019	\$4,965			
2019	\$6,485			
<u>Structures</u>				
2021				\$70,000

- 1) Georgia Ave, S. 8th to S. 14th St; Behrens Parkway transmission main; Riverdale to Stahl upsize
- 2) Georgia Avenue, Riverdale, and Behrens Parkway projects delayed due to Covid.
- 3) Includes Southpointe Enterprise Campus water infrastructure of \$1.54M shown as contributed asset



**CAPITAL OUTLAY
2021**

	Actual 2019	Budget 2020	Actual & Estimate 2020	Budget 2021
<u>Water Treatment</u>				
<u>Equipment</u>				
2021				\$30,000
2020		\$220,000 (1)	\$0	
2019	\$4,155			
2019	\$0			
<u>Water Treatment (continued)</u>				
<u>Structures</u>				
2021				\$25,000
2021				\$300,000
2020	\$4,550	\$85,000	\$54,000	
<u>Heating Equipment</u>				
2019	\$27,728			
<u>SCADA Equipment</u>				
2020		\$95,000	\$67,535	
<u>Lab Equipment</u>				
2020		\$15,000	\$5,937	
<u>Office Furniture & Equipment</u>				
2021				\$15,000
2021				\$8,000
2021				\$3,000
2021				\$7,000
2020		\$5,000	\$5,000	
2019	\$20,000			
2019	\$10,715			
2019	\$4,500			
2019	\$13,510			
2019	\$20,000			
2019	\$7,527			
2019	\$8,192			

1) Cost includes manufactured underdrain system and media. Project delayed due to Covid.



**CAPITAL OUTLAY
2021**

	Actual 2019	Budget 2020	Actual & Estimate 2020	Budget 2021
<u>Transportation Equipment</u>				
2020		\$50,000	\$43,219	
2020		\$30,000	\$24,000	
2020		\$9,000	\$9,000	
2020		\$45,000	\$35,000	
2019	\$111,873			
<u>Power Operated Equipment</u>				
<u>Engineering Department</u>				
2021				\$20,000
2021				\$25,000
2019	\$0			
<u>Total other capital</u>	<u>\$803,625</u>	<u>\$1,189,000</u>	<u>\$833,691</u>	<u>\$2,418,000</u>
<u>Total all capital expenditures</u>	<u>\$4,570,226</u>	<u>\$3,685,000</u>	<u>\$2,378,441</u>	<u>\$3,973,903</u>

SHEBOYGAN BOARD OF WATER COMMISSIONERS

FIVE YEAR CAPITAL IMPROVEMENT PLAN (CIP) 2021 - 2026

YEAR 2021

OPERATIONS

Raw Water Improvement Project & Design - intake, suction well, raw water pump station	\$	1,850,000
Roofing Replacement/Repairs	\$	25,000
Backwash Basin Electric Actuator Replacement	\$	25,000
Sludge Pump #1	\$	30,000
Behrens Parkway Pit/Pump Improvements Design	\$	50,000
East Basin Structural Repairs	\$	550,000

Total: \$ 2,530,000

DISTRIBUTION - CONSTRUCTION/MAINTENANCE

S 12th St.- Riverdale to Stahl - water main upsize	\$	60,000
Georgia Avenue- 8th to 14th Street	\$	850,000
Behrens Parkway, Gateway Drive Transmission Main	\$	250,000
Replace 10 hydrants and 10 street valves	\$	90,000
Retaining wall replacement design	\$	70,000
ESRI & GPS updates	\$	45,000
Sheboygan River crossing design	\$	40,000

Total: \$ 1,405,000

CUSTOMER RELATIONS/FISCAL

Meters for 20 year meter replacement program	\$	42,000
Meters and Orions all other sizes - troubleshooting, new accounts, and replacements	\$	130,254
Printer/Copy Machine	\$	15,000

Total: \$ 187,254

2021 TOTAL: \$ 4,122,254

YEAR 2022

OPERATIONS

Raw Water Improvement Project Construction - suction well, intake, low lift pump station	\$	4,000,000
Filter Underdrain Replacement	\$	220,000
Roofing Replacement/Repairs	\$	25,000
240/480volt equipment (electrical panels, actuators, wiring etc.)	\$	25,000
Motors/Drives/Starters	\$	25,000
Pumps	\$	30,000
SCADA System upgrades	\$	25,000
Behrens Parkway Pit Pump Improvements	\$	300,000

Total: \$ 4,650,000

DISTRIBUTION - CONSTRUCTION/MAINTENANCE

N. 25th St - Superior Ave to Saemann	\$	400,000
Taylor Hill Reservoir - stripping tank and roof underside then painting	\$	1,000,000
North Commerce- Wisconsin to Pennsylvania	\$	200,000
Trenchless Technology	\$	50,000
Replace 2010- 3/4 Ton #2 Utility Truck	\$	55,000

Total: \$ 1,705,000

CUSTOMER RELATIONS/FISCAL

Meters for 20 year meter replacement program	\$	60,000
Meters and Orions all other sizes - troubleshooting, new accounts, and replacements	\$	30,000
#17 truck replacement (2011) to fuel efficient vehicle	\$	40,000
#10 truck replacement (2010) to fuel efficient vehicle	\$	40,000
Utility car replacement (2008) replacement to fuel efficient vehicle	\$	35,000

Total: \$ 205,000

2022 TOTAL: \$ 6,560,000

YEAR 2023

OPERATIONS

Raw Water Improvement Project Construction - inspection,suction well, intake, low lift pump station	\$	11,750,000
Filter Underdrain Replacement	\$	220,000
Chemical Feed Systems (Fluoride System)	\$	25,000
Roofing Replacement/Repairs	\$	25,000
240/480volt equipment (electrical panels, actuators, wiring etc.)	\$	25,000
Motors/Drives/Starters	\$	25,000
Behrens Parkway Pit Pump Improvements	\$	300,000
Pumps	\$	30,000
SCADA System upgrades	\$	25,000
Total:	\$	12,425,000

DISTRIBUTION - CONSTRUCTION/MAINTENANCE

River Crossing	\$	400,000
Indiana Ave- N 24th St. to University Dr. (City Project)	\$	300,000
Wilson; 12th To 18th	\$	800,000
Replace Volvo excavator	\$	250,000
Trenchless Project	\$	250,000
Total:	\$	2,000,000

CUSTOMER RELATIONS/FISCAL

Meters for 20 year meter replacement program	\$	75,000
Meters and Orions all other sizes - troubleshooting, new accounts, and replacements	\$	25,000
Total:	\$	100,000

2023 TOTAL: \$ 14,525,000

YEAR 2024

OPERATIONS

Raw Water Improvement Project Construction- inspection, suction well, intake, low lift pump station	\$	15,175,000
Filter Underdrain Replacement	\$	220,000
Chemical Feed Systems (hypo bulk tanks)	\$	100,000
Roofing Replacement/Repairs	\$	25,000
240/480volt equipment (electrical panels, actuators, wiring etc.)	\$	25,000
Motors/Drives/Starters	\$	25,000
Treatment Plant Generator	\$	1,000,000
SCADA System upgrades	\$	25,000
Total:	\$	16,595,000

DISTRIBUTION - CONSTRUCTION/MAINTENANCE

Railroad Yard Crossing - S. 24th St to S. Business Dr.	\$	250,000
Henry; Mead to Wilson	\$	500,000
Lakeshore Drive; Wilson To RR Tracks	\$	750,000
Replacement for 2005 #1 Dump Truck	\$	200,000
Trenchless Project	\$	250,000
Total:	\$	1,950,000

CUSTOMER RELATIONS/FISCAL

Meters for 20 year meter replacement program	\$	75,000
Meters and Orions all other sizes - troubleshooting, new accounts, and replacements	\$	25,000
#20 truck replacement (2013) to fuel efficient vehicle	\$	40,000
Total:	\$	140,000

2024 TOTAL: \$ 18,685,000

YEAR 2025

OPERATIONS

Filter Underdrain Replacement	\$	220,000
Roofing Replacement/Repairs	\$	25,000
240/480volt equipment (electrical panels, actuators, wiring etc.)	\$	25,000
Motors/Drives/Starters	\$	25,000
WAPS Generator	\$	110,000
SCADA System upgrades	\$	25,000
Total:	\$	430,000

DISTRIBUTION - CONSTRUCTION/MAINTENANCE

N. 15th - North Ave to School	\$	150,000
Replace bobcat Skidsteer		50,000
Trenchless Project	\$	250,000
Replace 2015 #22 - 1 Ton Pickup Truck with tommy gate	\$	50,000
12th St; Wilson to Washington	\$	800,000
Total:	\$	1,300,000

CUSTOMER RELATIONS/FISCAL

Meters for 20 year meter replacement program	\$	75,000
Meters and Orions all other sizes - troubleshooting, new accounts, and replacements	\$	30,000
Total:	\$	105,000

2025 TOTAL: \$ 1,835,000

YEAR 2026

OPERATIONS

High Lift Cat Walk Improvement Project	\$	300,000
Chemical Feed Systems (Fluoride day tank and bulk tank)	\$	30,000
Filter Underdrain Replacement	\$	220,000
Roofing Replacement/Repairs	\$	25,000
240/480volt equipment (electrical panels, actuators, wiring etc.)	\$	25,000
Motors/Drives/Starters	\$	25,000
SCADA System upgrades	\$	25,000
Total:	\$	650,000

DISTRIBUTION - CONSTRUCTION/MAINTENANCE

Trenchless Project	\$	250,000
Moening Rd - Creekview Ct to Stahl Rd	\$	700,000
Union Ave - S. Business Dr. to S. 26th St	\$	600,000
Hydrant and Valve Replacement	\$	100,000
Replacement of 2016 Chevy Dump Truck	\$	75,000
Total:	\$	1,725,000

CUSTOMER RELATIONS/FISCAL

Meters for 20 year meter replacement program	\$	75,000
Meters and Orions all other sizes - troubleshooting, new accounts, and replacements	\$	30,000
Total:	\$	105,000

2026 TOTAL: \$ 2,480,000

To: Joe Trueblood, Utility Superintendent
From: Dave McMillan, Distribution Supervisor
Subject: 2020 Hydrant Painting

The Water Utility solicited quotes from two separate painting contractors. Only one company responded with a quote.

Ferguson Waterworks: They have painted hydrants for the Utility during previous years.

Scope:

- Sandblast to metal
- Primer- Devoe 224 HS Epoxy Primer 3-4 mils
- Top Coat- Devoe 379 UVA Urethane 3-4 mils

Price- \$90.00 per hydrant

Great Lakes Coatings- Did not supply quote.

Recommendation:

I recommend we accept the quote from Ferguson Waterworks. They are a reputable company that has completed quality work for the Water Utility in the past. The bid price also came in \$10.00 less than last year. The Utility had planned to paint 400 hydrants this year. Due to circumstances caused by Covid-19, I also recommend we reduce the number of hydrants to be painted to 200.

2020 Lead and Copper

No.	Sample Site	Service L/C	Name	Address	Phone	Sample Location	Tier	Previous Sample Site	Drop Off	Pickup	LEAD Results	Copper Results
1	LC12	L/C		1912 N. 12 th St.	946-7995	Kitchen Faucet	1	Yes			1.40	12
2	LC15	L/C		1821 S. 17th		Kitchen Faucet	1	Yes			0.84	12
3	LC18	L		635 Dillingham Ave.	457-4674	Kitchen Faucet	1	Yes			3.60	4.1
4	LC28	L		2208 S. 12th St.	287-6554	Kitchen Faucet	1	Yes			0.39	15
5	LC29	L		1313 N. 6th St.	458-1281	Kitchen Faucet	1	Yes			2.90	63
6	LC30	L		1230 Alabama Ave.	254-4112	Kitchen Faucet	1	Yes			1.00	33
7	LC31	L		2333 Lakeshore Dr.	459-3964	Kitchen Faucet	1	Yes			1.20	5.3
8	LC32	L/C		214 Lincoln Ave.	295-2696	Kitchen Faucet	1	Yes			<0.14	9.4
9	LC33	L		1726 N. 6th St.	414-467-6729	Kitchen Faucet	1	Yes			4.60	7.6
10	LC34	L		1122 Swift Ave.	912-3524	Kitchen Faucet	1	Yes			2.40	5.7
11	LC35	L		2524 N. 10th St.	629-0546	Kitchen Faucet	1	Yes			4.80	96
12	LC36	L		815 National Ave.	912-5061	Kitchen Faucet	1	Yes			3.30	8.4
13	LC37	L		2615 N. 9th St.	452-0377	Kitchen Faucet	1	Yes			2.40	2.4
14	LC39	L		1322 S. 20th St.	920-980-7012	Kitchen Faucet	1	Yes			0.44	21
15	LC40	L		1236 Los Angele Ave.	287-3786	Kitchen Faucet	1	Yes			2.00	3.3
16	LC41	L		1029 Wilson Ave.	207-8865	Kitchen Faucet	1	Yes			3.00	17
17	LC42	L		1221 Ashland Ave.	946-1263	Kitchen Faucet	1	Yes			2.80	13
18	LC43	L		627 Bell Ave.	889-4877	Kitchen Faucet	1	Yes			1.80	3
19	LC45	L		1725 S. 15th St.	918-4830	Kitchen Faucet	1	Yes			2.00	4.2
20	LC46	L		2408 S. 16th St.	946-9921	Kitchen Faucet	1	Yes			3.80	17
21	LC49	L		511 Michigan Ave.	458-9980	Kitchen Faucet	1	Yes			30.00	7.7
22	LC50	L		915 North Ave.	452-9914	Kitchen Faucet	1	Yes			4.00	11
23	LC51	L		634 Highland Terrace	946-6267	Kitchen Faucet	1	Yes			0.95	4.6
24	LC54	L		2512 N 8th Street	630-740-3025	Kitchen Faucet	1	No			0.85	27
25	LC55	L		709 Dillingham	889-1980	Kitchen Faucet	1	No			2.60	16
26	LC56	L		417 Clifton Ave	414-881-4825	Kitchen Faucet	1	No			1.20	8.7
27	LC57	L		425 Blackstock Ave	920-832-0714	Kitchen Faucet	1	No			0.53	7.5
28	LC 52	L		2026 N. 6th St.	920-377-0602	Kitchen Faucet	1	No			1.70	3.6
29	LC67	L		1242 Los Angeles Ave	414-852-2758	Kitchen Faucet	1	No			0.76	16
30	LC 68	L		1513 N 2nd St	920-458-1297	Kitchen Faucet	1	No			2.50	8.4

90th Percentile Results for Lead and Copper

	LEAD	Copper
30	30.00	96
29	4.80	63
28	4.60	33
27	4.00	27
26	3.80	21
25	3.60	17
24	3.30	17
23	3.00	16
22	2.90	16
21	2.80	15
20	2.60	13
19	2.50	12
18	2.40	12
17	2.40	11
16	2.00	9.4
15	2.00	8.7
14	1.80	8.4
13	1.70	8.4
12	1.40	7.7
11	1.20	7.6
10	1.20	7.5
9	1.00	5.7
8	0.95	5.3
7	0.85	4.6
6	0.84	4.2
5	0.76	4.1
4	0.53	3.6
3	0.44	3.3
2	0.39	3
1	<0.14	2.4

← 90th Percentile

To: Joe Trueblood, Utility Superintendent
From: Dave McMillan, Distribution Supervisor
Subject: Saemann Avenue Water Main Parts

As part of the City of Sheboygan street resurfacing program, the Water Utility plans to replace a problematic block of water main on Saemann Avenue between North 21st to North 22nd Streets. This block of water main has had numerous leaks on it in the past 15 years. We solicited quotes from three vendors for water main and fittings. See quote pricing below:

Ferguson Waterworks	Core and Main	ETNA
\$9,853.90	\$10,151.00	\$10,450.00

Recommendation:

I recommend we accept the low quote from Ferguson Waterworks. They are a reputable vendor that we work with on a regular basis.



Hydro Corp was contracted in 2012 to conduct cross connection inspections to meet the requirements of SPS 382.4 and NR 810.15. They were contracted to develop a program and perform more complex inspections in our service area. Under the contract, Hydro Corp inspects commercial, industrial, multi-family, and public authority users. Since 2012, Hydro Corp has conducted 3,772 inspections, at 1,585 facilities. At the end of this year, Hydro Corp will have conducted initial inspections on all commercial, industrial, multi-family, and public authority users within our service area.

Sheboygan Water Utility staff has built a positive relationship with our CCC inspectors from Hydro Corp. Hydro's administrative staff is highly responsive, detailed, and actively communicates with Sheboygan Water Utility staff. They provide detailed monthly reports regarding the number of facilities inspected and the number of violations found. The staff communicates directly with customers in our service area by mailing notices and providing over the phone and face to face service. Staff works alongside Utility staff and customers to ensure potential cross connections are removed.

Inspections are required every two, six or ten years based on the hazard level assigned to the facility. Inspectors from Hydro Corp are certified cross connection inspectors, who participate in continued education. Contracting with Hydro Corp to conduct cross connection inspections ensures facilities are being inspected by certified inspectors, potential backflow issues are eliminated, and our water supply is protected.

2021/2022 Contract: \$112,728, 960 Inspections