ATTACHMENTS

City of Sheboygan Water Utility
spirit on the lake

REPORT OF BILLING

AUGUST 2021

		2021	2020	Increase or (Decrease)
Quarterly Metered*				
(Dist III - south of Union Ave)	Residential	240,874.94	213,645.58	27,229.36
	Multi-Family	26,067.36	25,113.27	954.09
	Commercial	36,616.16	30,162.40	6,453.76
	Industrial	24,593.66	19,521.70	5,071.96
	Public	12,484.99	8,526.10	3,958.89
	Subtotal	**340,637.11**	**296,969.05**	**43,668.06**

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

Public Fire Protection	67,831.05	67,478.42	352.63
Monthly Metered	386,145.12	356,975.84	29,169.28
Sheboygan Net	**794,613.28**	**721,423.31**	**73,189.97**
Sheboygan Falls	90,116.15	58,609.96	31,506.19
Kohler	38,911.95	31,956.60	6,955.35
Total	**923,641.38**	**811,989.87**	**111,651.51**

Total accumulative billing for 2021 is $6,254,646.41. An increase of $913,787.39 from 2020 accounted for as follows:

	2021-Total Year to Date
Sheboygan	765,168.30
Sheboygan Falls	101,596.31
Kohler	47,022.78
	913,787.39

Total bills mailed August, 2021: 6,712

Residential	6,123		
Multi-Family	91	Multi-Family	6
Commercial	322	Commercial	21
Industrial	47	Industrial	66
Public	27	Public	9
Quarterly	**6,610**	**Monthly**	**102**

City of Sheboygan Water Utility
spirit on the lake

RETURN ON RATE BASE

August 31, 2021

	AUGUST 2021	AUGUST 2020
Add 2 YR Average		
Utility Plant Balance	$ 68,644,634	$ 65,573,248
Materials and Supplies Inventory	$ 288,520	$ 324,623
Less 2 YR Average		
Reserve for Depreciation	$ 23,214,105	$ 21,682,307
Customer Adv for Const	$ -	$ -
Average Rate Base	$ 45,719,049	$ 44,215,564
Net Operating Income YTD	$ 1,069,733	$ 822,672
Net Operating Income As a Percent of Average Net Rate Base	**2.34%**	**1.86%**

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 Water Utility
spirit on the lake

CASH RESERVE
August 31, 2021

Ending balance on report for July 31, 2021		7,388,392.25
Plus:	Receipts	489,500.64
	Misc Receipts (includes stop loss reimbursements)	209,020.07
	Direct Pay Receipts	313,970.95
	Stop Loss Reimbursements	-
	Money Market/CDARs Investment Interest	338.07
	Online Payments in Transit	-
Minus:		
	Disbursements - vendors and payroll	(532,658.11)
	Bank Service Fees Credit	(773.82)
	Health & Dental Claims/Adm Costs	(95,330.88)
	NSF Checks & Customer Refunds	(426.84)
	PSN Deposit Fees	(3,720.24)
	Reallocate Sewer/Garbage - payments	4,261.42
	Reallocate Sewer/Garbage - monthly	(96.16)
	Online Payments in Transit	(5,794.02)
	Automated Credit Card Payments	(957.49)
	Postage	(7,294.76)
	Utility Water Payments	(3,984.77)
Ending Balance	**August 31, 2021**	**$ 7,754,446.31**

Note: The above amount includes:

Bond Reserve Fund	668,413.54
Money Market Investment	3,981,023.59
Health Insurance Restricted Reserve	380,000.00
BAN Funds for Construction	1,025,437.99
Total	**$ 6,054,875.12**
General Unrestricted Operating Cash	1,699,571.19

City of Sheboygan Water Utility
spirit on the lake

STATEMENT OF NET POSITION
AUGUST 31, 2021 AND 2020

Assets and Other Debits Utility Plant	Year to Date 2021	Year to Date 2020
Utility Plant	78,502,723	74,660,659
Depreciation- Utility Plant	25,914,992	24,146,959
Net Utility Plant	$ 52,587,731	$ 50,513,700
Other Property and Investments		
Appropriated Funds	1,405,438	671,160
Bond Redemption Fund	668,414	706,627
Net Pension Asset[1]	411,147	-
Deferred Outflow - Pension & OPEB [1]	1,038,866	1,262,190
Total Other Prop & Investment	$ 3,523,865	$ 2,639,977
Current and Accrued Assets		
Cash & Investments	5,681,345	8,838,112
Accounts Receivable	1,463,428	1,389,364
LSL Loan Receivable[3]	76,731	-
Grant Receivable - Restricted[2]	34,485	12,500
Materials & Supplies Inventory	232,377	344,664
Prepaid Expenses	30,083	29,013
Total Current & Accrued Assets	$ 7,518,448	$ 10,613,653
Total Assets and Debits	**$ 63,630,044**	**$ 63,767,330**

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	46,036,880	45,317,027
Total Proprietary Capital	$ 47,677,581	$ 46,957,728
Bonds, Loans & Advances	12,624,174	13,677,170
Total Long Term Debt	$ 12,624,174	$ 13,677,170
Current & Accrued Liabilities		
Accounts Payable	483	120
Accrued Liabilities	925,223	892,798
Total Current & Accrued Liab.	$ 925,706	$ 892,918
Deferred Credits		
Bond Premium	197,050	232,919
Pre 2003 Depr on Contributed Assets	58,599	83,733
Other Deferred Credits[3]	0	0
	$ 255,649	$ 316,652
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	561,350	543,740
Total Operating Reserve	$ 2,146,933	$ 1,922,863
Total Liab & Other Credits	**$ 63,630,044**	**$ 63,767,330**

[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 Water Utility
spirit on the lake

STATEMENT OF REVENUE, EXPENSES AND CHANGES IN NET POSITION

AUGUST 31, 2021 AND 2020

	2021 MONTH	2021 YTD	2020 MONTH	2020 YTD	Incr (Decr) YTD	% Incr/Decr YTD
Sales Revenue[1]	$ 927,355	$ 5,960,717	$ 812,750	$ 5,054,852	$ 905,866	17.92%
Other Water Revenue[2]	$ 4,922	$ 38,010	$ (52,312)	$ 72,483	$ (34,473)	-47.56%
Total Operating Revenues	$ 932,277	$ 5,998,728	$ 760,438	$ 5,127,335	$ 871,393	17.00%
Operating Expenses[3]	254,500	2,418,074	211,787	2,094,767	323,307	15.43%
Maintenance Expenses[4]	111,287	628,830	47,840	389,020	239,809	61.64%
Depreciation Expenses	129,903	1,057,524	126,493	1,029,356	28,168	2.74%
Taxes	107,457	824,567	102,103	791,521	33,046	4.18%
Total Operating Expenses	$ 603,146	$ 4,928,994	$ 488,222	$ 4,304,663	$ 624,330	14.50%
Utility Operating Income	$ 329,131	$ 1,069,734	$ 272,216	$ 822,672	$ 247,063	30.03%
Other Income & Expense						
Non-operating Grant Revenue	2,500	34,485	-	35,450	(965)	
Non-Operating Grant Expenses	(12,500)	(15,000)	-	(35,450)	20,450	
Bond Premium	2,989	23,913	2,989	22,664	1,249	
Interest Earned on Investments	4,449	13,046	7,689	37,228	(24,182)	
Contributions	-	-	-	-	-	
Other Expense	-	(475)	-	(34,475)	34,000	
Misc Amortization	2,094	16,756	2,094	16,756	-	
Bond Interest Expense	(27,359)	(218,963)	(28,214)	(216,312)	(2,651)	
Change in Net Position	**$ 301,305**	**$ 923,495**	**$ 256,775**	**$ 648,532**	**$ 274,964**	

[1] The increase in Sales Revenue is due to a rate increase that was implemented October 1, 2020, as well as an increase in usage over 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 and fees in 2021, and operations work postponed from 2020 due to Covid, increased electrical costs due to higher usage, resuming the cross connection program and meter change outs, acceptance of credit card fees, and 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, reservoirs, water mains, and meters maintenance.

City of Sheboygan Water Utility
spirit on the lake

APPROVAL OF VOUCHERS

August 31, 2021

Total Of The General Vouchers	$	384,245.18
Gross Payroll	$	159,753.21
Net Payroll	$	95,231.44

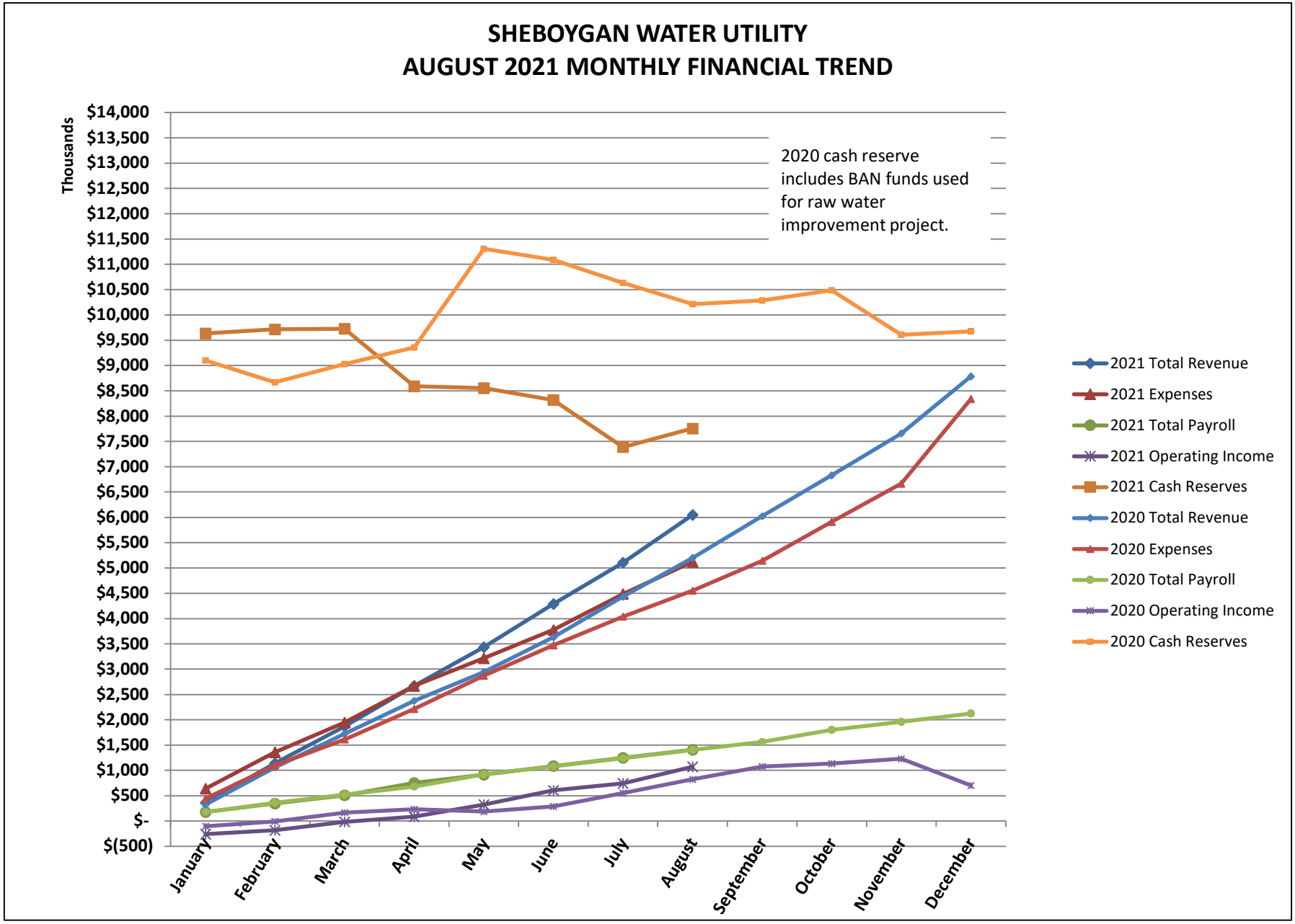
BOARD OF WATER COMMISSIONERS

PRESIDENT

SECRETARY

MEMBER

SUPERINTENDENT


SHEBOYGAN WATER UTILITY
AUGUST 2021 MONTHLY FINANCIAL TREND
Thousands
$14,000
$13,500
$13,000
$12,500
$12,000
$11,500
$11,000
$10,500
$10,000
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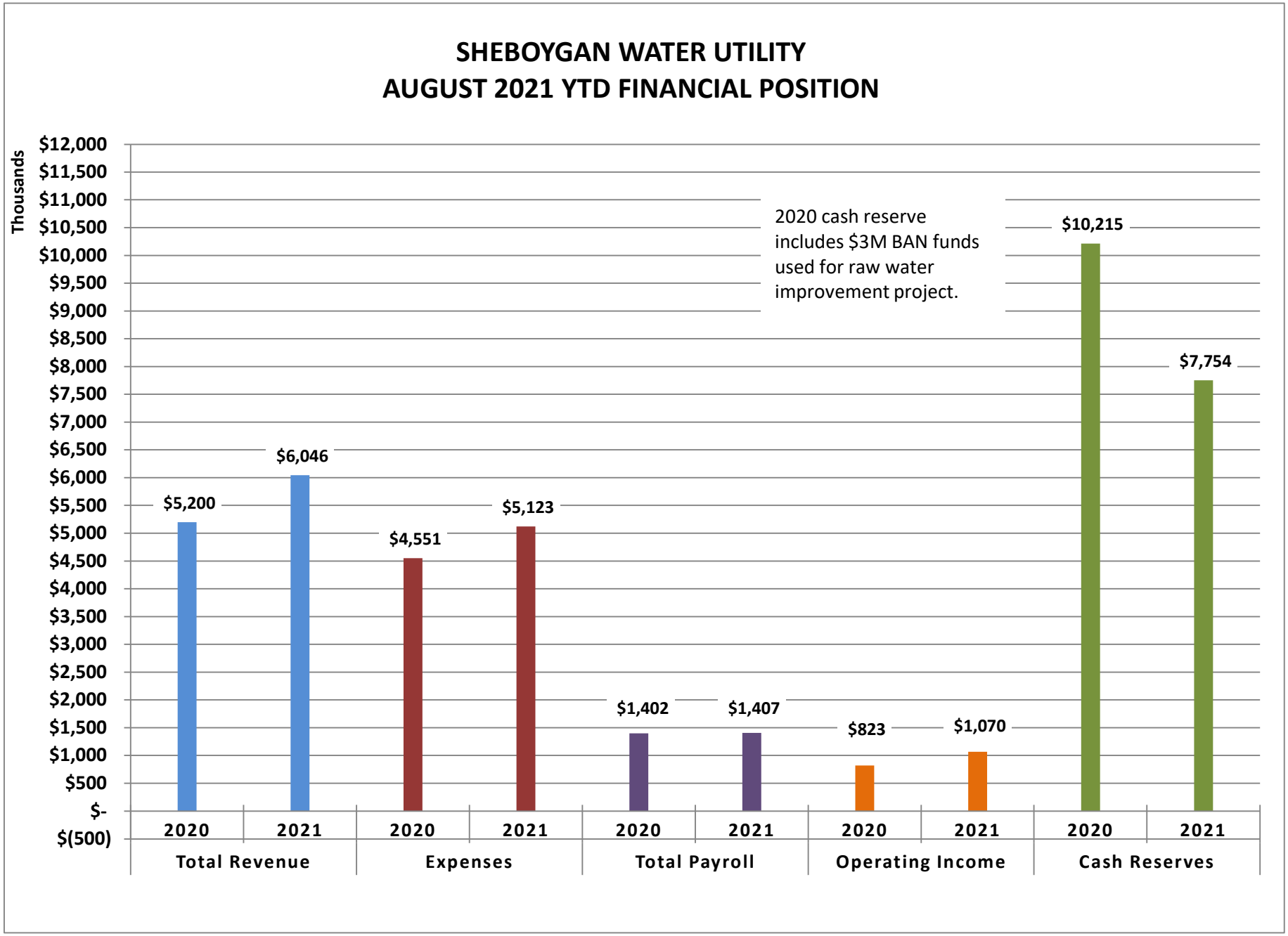
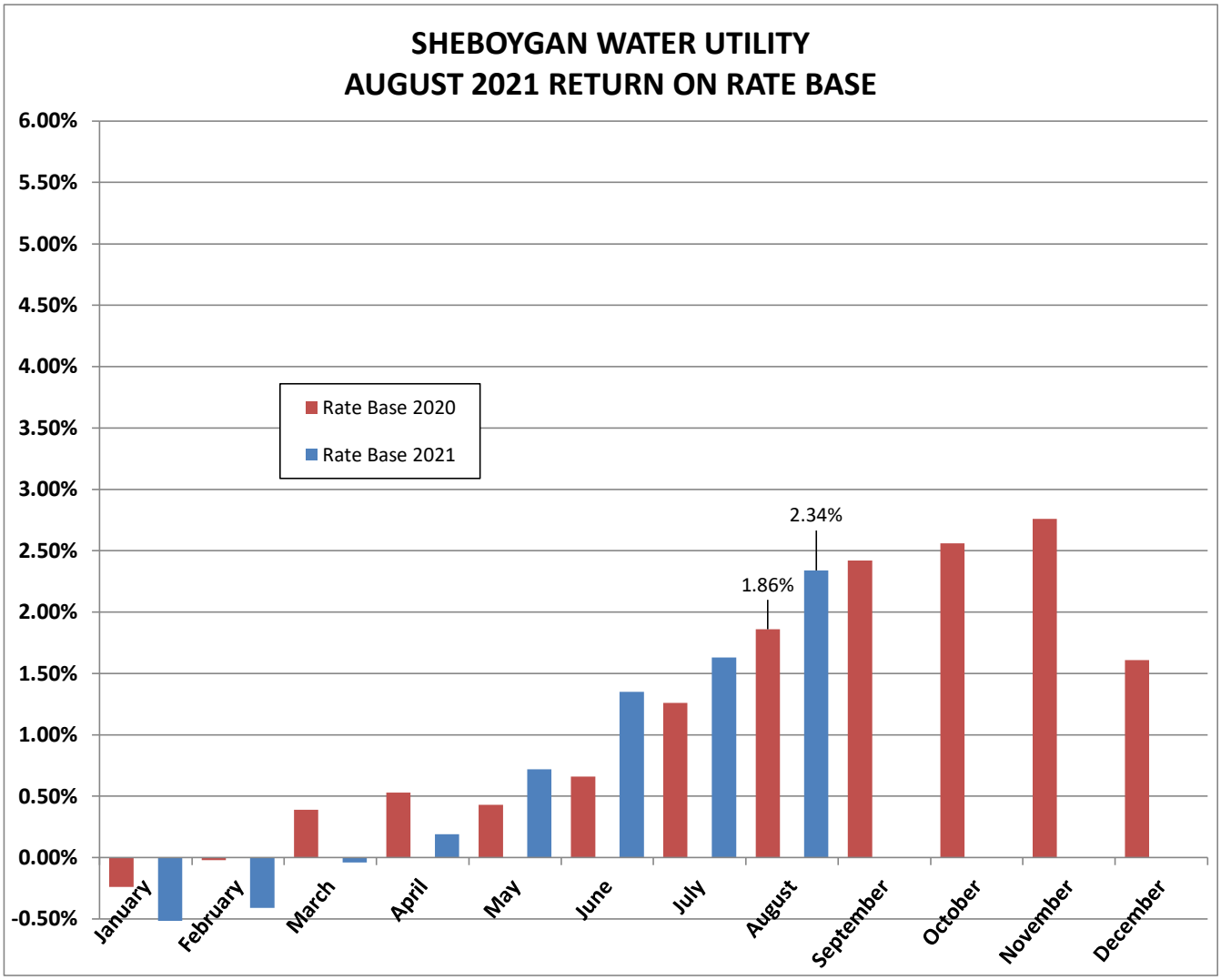
$500
$-
$(500)
January
February
March
April
May
June
July
August
September
October
November
December
2020 cash reserve includes BAN funds used for raw water improvement project.
2021 Total Revenue
2021 Expenses
2021 Total Payroll
2021 Operating Income
2021 Cash Reserves
2020 Total Revenue
2020 Expenses
2020 Total Payroll
2020 Operating Income
2020 Cash Reserves


SHEBOYGAN WATER UTILITY
AUGUST 2021 YTD FINANCIAL POSITION
Thousands
$12,000
$11,500
$11,000
$10,500
$10,000
$9,500
$9,000
$8,500
$8,000
$7,500
$7,000
$6,500
$6,000
$5,500
$5,000
$4,500
$4,000
$3,500
$3,000
$2,500
$2,000
$1,500
$1,000
$500
$-
$(500)
2020 cash reserve includes $3M BAN funds used for raw water improvement project.
$5,200
$6,046
$4,551
$5,123
$1,402
$1,407
$823
$1,070
$10,215
$7,754
2020
2021
Total Revenue
Expenses
Total Payroll
Operating Income
Cash Reserves


SHEBOYGAN WATER UTILITY
AUGUST 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
1.86%
2.34%
January
February
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September
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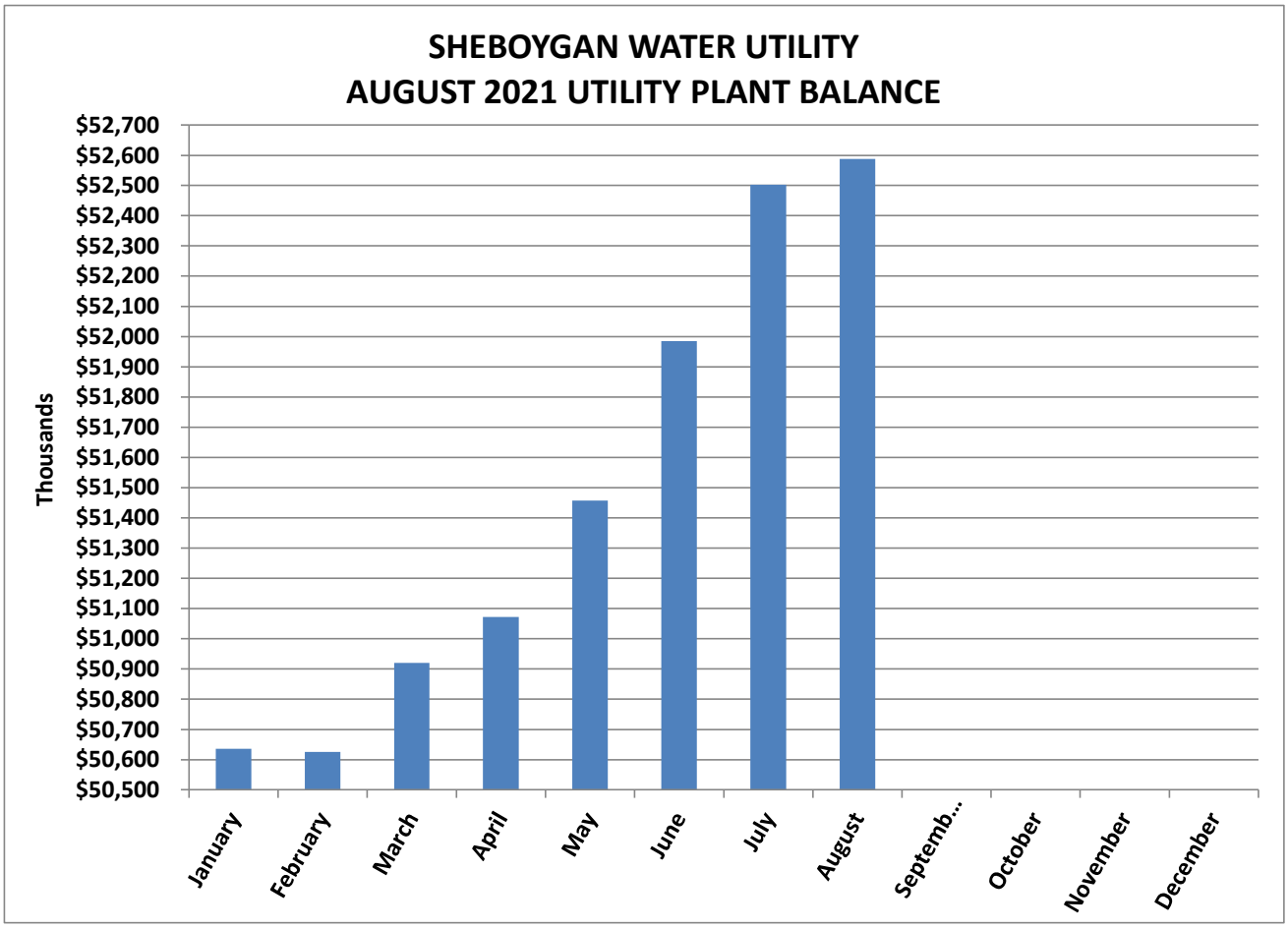
November
December


SHEBOYGAN WATER UTILITY
AUGUST 2021 UTILITY PLANT BALANCE
Thousands
$52,700
$52,600
$52,500
$52,400
$52,300
$52,200
$52,100
$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
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October
November
December

August 2021

OPERATIONS' DEPARTMENT MONTHLY REPORT

	HIGH LIFT		LOW LIFT		2021 VS 2020
PUMPAGE	**2020**	**2021**	**2020**	**2021**	HL
Total in MG	438.859	447.941	437.778	449.424	2.07%
Daily Average (MG)	14.157	14.469	14.122	14.498	
Max. Day (MG)	16.469	16.929	16.832	16.841	2021 VS 2019
					HL
Gal/KwH	1,256	1,156	5,126	4,952	4.16%

ELECTRICAL COSTS					
	2020		**2021**		
A. Pumping:	**KwH**	**$**	**KwH**	**$**	
High Lift	345,943	$25,234.21	383,134	$26,420.78	
Low Lift	84,880	$6,191.42	90,716	$6,255.74	
Wash Pump 1	2,100	$153.18	2,100	$144.82	
Georgia St. Bstr.	57,600	$5,349.39	50,100	$5,095.23	
Wilgus Ave. Bstr.	3,000	$366.92	3,300	$403.76	
EE Pit / Bstr.	5,633	$652.68	4,542	$532.59	
Erie Ave. Bstr.	0	$0.00	15,600	$2,212.75	$/KwH
Sub Total	499,156	**$37,947.80**	549,492	**$41,065.66**	-1.7%
B. Treat./Fiscal/Misc.	**KwH**	**$**	**KwH**	**$**	
Office & Maint. Bldg.	11,458	$1,309.26	10,946	$1,238.33	
Filter Plant / Pump Station / 2nd Service	67,677	$5,447.23	50,850	$3,983.64	
					$/KwH
Sub Total	79,135	**$6,756.49**	61,796	**$5,221.97**	-1.0%
C. Distribution:	**KwH**	**$**	**KwH**	**$**	
Taylor Hill Tank	901	$120.26	415	$66.69	
Kohler Meter Pit	0	$0.00	0	$0.00	
EE Tower	920	$122.45	253	$47.49	
Washington (PRV) Pit	271	$50.40	208	$45.19	
Sub Total	2,092	**$293.11**	876	**$159.37**	$/KwH
Total Electrical Costs	**580,383**	**$44,997.40**	**612,164**	**$46,447.00**	-2.1%
Electrical Cost / MG		$102.53		$103.55	

	2020		**2021**		
NATURAL GAS COSTS	CCF Used	Cost	CCF Used	Cost	
Production Facility	596	$253.97			
South Basin	2	$143.78	10	$154.59	
Georgia St. Bstr.					
Erie Ave. Bstr.	30	$40.28	0	$28.60	
Wilgus Ave. Bstr.					
Office & Maint. Bldg.	406	$182.08	225	$181.90	$/CCF
Total Natural Gas Costs	1,034	**$620.11**	235	**$365.09**	159.1%
Natural Gas Cost / MG		$1.41		$0.81	

	2020		**2021**		
CHEMICAL COSTS	Lbs. Used	Cost	Lbs. Used	Cost	
Alum	48,055	$6,799.78	46,459	$6,573.95	0.0%
Carbon	0	$0.00	0	$0.00	#DIV/0!
Chlorine	10,232	$8,369.78	5,240	$3,615.60	-15.6%
Fluoride	1,984	$1,745.92	2,621	$2,849.03	23.5%
KMnO4	411	$1,498.80	266	$971.27	0.1%
Cationic Polymer	0	$0.00	0	$0.00	#DIV/0!
Liquid Phosphate	3,234	$4,107.18	3,876	$5,124.07	4.1%
Total Chemical Costs		**$22,521.46**		**$19,133.91**	-15.0%
Chemical Cost / MG		$51.32		$42.66	
	Grand Total	**$68,138.97**		**$65,946.00**	-3.22%
	Total Cost / MG	**$155.26**		**$147.02**	-5.31%

YTD HL 2021 vs 2020	8.52%	YTD HL HIGH DAY PUMPAGE	17.207	July 26, 2021
YTD HL 2021 vs 2019	-1.87%	YTD HL LOW DAY PUMPAGE	7.251	January 1, 2021

NOTE:

	YTD HL Ave Day
2021	12.529
2020	11.489
2019	12.765

COMPARATIVE SUMMARY OF PLANT OPERATIONS

August 2020 vs **August 2021**

Pumping Record

High Lift

	2020	2021	Diff.
Tot. Water in MG	438.859	447.941	2.07%
Daily Average	14.157	14.469	2.20%
Maximum Day	16.469	16.929	2.79%
Minimum Day	11.381	10.878	-4.42%
By Natural Gas	4.300	5.635	31.05%
Power in KWH	345,943	383,134	10.75%
Gals. per KWH	1,256	1,156	-7.96%
Power $ / KWH	$0.07294	$0.06896	-5.46%
Power $ / MG	$57.50	$58.90	$1.40
Tot. Power $/MG	$102.61	$103.63	$1.02

Low Lift

	2020	2021	Diff.
Tot. Water in MG	437.778	449.424	2.66%
Daily Average	14.122	14.498	2.66%
Maximum Day	16.832	16.841	0.05%
Minimum Day	11.244	11.163	-0.72%
By Natural Gas	2.670	0.242	-90.94%
Power in KWH	84,880	90,716	6.88%
Gals. per KWH	5,126	4,952	-3.41%
Power $ / KWH	----	----	----
Power $ / MG	$14.14	$13.92	($0.22)
Tot. Power $/MG	----	----	----

Treatment Chem.

Lbs. Used

Total Lbs.	2020	2021	Diff.
Alum	48,055	46,459	-3.32%
Carbon			#DIV/0!
Chlorine	10,232	5,240	-48.79%
KMnO4	211	266	26.11%
Polymer	0	0	#DIV/0!
Liquid Phosphate	3,234	3,876	19.85%
Lb/ MG:			
Alum	109.8	103.4	-5.83%
Carbon	0.0	0.0	#DIV/0!
Chlorine	23.4	11.7	-50.12%
KMnO4	0.5	0.6	22.85%
Liquid Phosphate	7.4	8.6	16.75%

Cost

Total Cost	2020	2021	Diff.
Alum	$6,799.78	$6,573.95	($225.83)
Carbon	$0.00	$0.00	$0.00
Chlorine	$8,369.78	$3,615.60	($4,754.18)
KMnO4	$1,498.80	$971.27	($527.54)
Polymer	$0.00	$0.00	$0.00
Liquid Phosphate	$4,107.18	$5,124.07	$1,016.89
Cost / MG:			
Alum	$15.53	$14.63	($0.90)
Carbon	#DIV/0!	#DIV/0!	#DIV/0!
Chlorine	$19.12	$8.04	($11.07)
KMnO4	$3.42	$2.16	($1.26)
Liquid Phosphate	$9.38	$11.40	$2.02

Fluoride:	2020	2021	
Total Lbs.	1,984	2,621	32.11%
mg/l applied as F	0.70	0.72	
Av. Res. Plt. Tap	0.74	0.77	

Fluoride:	2020	2021	
Cost	$1,745.92	$2,849.03	$1,103.11
Cost/MG	$3.98	$6.36	$2.38

Water Quality:

Raw

	2020	2021
Turbidity	2.30	1.20
pH	8.24	8.25
Alkalinity	108.6	109.0
MF (E-Coli)	7.7	4.1
Temperature	52.1	55.7
Wash-H20 % /LL	1.78	2.06
Av. Flt. Run/hrs	109.5	113.0
Av. ROF / MG	1.50	1.42

TAP

	2020	2021
Turbidity	0.036	0.050
pH	7.68	7.68
Alkalinity	101.8	102.2
Plate Count	0.00	0.00
Colilert	0	0
Temp.	55.4	59.1
Cl Res.	0.91	0.94

Natural Gas:

	2020	2021		2020	2021	Diff.
Nat. Gas Heating	37	0	Plant & South Basin	$158.50	#DIV/0!	#DIV/0!
Nat. Gas Pumping	561	561		$239.25	#DIV/0!	#DIV/0!

	CCF	Cost	Natural Gas Cost	Natural Gas CCF
#3 Gas Pump	139.5	#DIV/0!	**$154.59**	**10**
#4 Gas Pump	189.0	#DIV/0!		
#7 Gas Pump	110.0	#DIV/0!		
Electric Generator	122.0	#DIV/0!		
Pumping totals	**560.5**	**#DIV/0!**		

August 2021

% Run	Elapsed Time:	9/1/2021	8/1/2021	
88.6%	No. 6 Pump	63,152.7	62,493.4	659.3
3.45%	Wash Pump Meter	5,231.68	5,206.02	25.66
0.6%	No. 7 Pump	731.4	727.0	4.4
0.2%	No. 8 Pump	59,514.9	59,513.4	1.5
99.6%	No. 9 Pump	13,154.0	12,413.0	741.0
1.2%	Wash Pump 2	765	756	9
	No. 1 Prime Pump	1,034.0	1,032.7	1.3
	No. 2 Prime Pump	1,099.9	1,097.8	2.1

Kw/Hr run	Watthour Meters:			
81.8	Wash Pump 1	1219.1	1216.1	2,100
58.0	No. 9 Pump	5117.40	5074.46	42,941
303.3	No. 8 Pump	6826.4	6825.1	455
71.8	No. 6 Pump	9491.2	9322.2	47,320
125.3	Wash Pump 2	78.693	77.753	1,128
539.6	No. 1 Pump	8392.063	8180.66	211,403
#DIV/0!	No. 2 Pump	4627.827	4627.827	0
271.5	No. 3 Pump	9094.838	9051.316	43,522
#DIV/0!	No. 4 Pump			0
479.8	No. 5 Pump	8,397.277	8,269.068	128,209
	Garage (MWatt/Hrs.)	1,040.68	1,037.21	3,470
	Power Co. (Step #3)	32,904	32,464	528,000

Left Meter - OUTSIDE

	Volume Used:			
	Nat. Gas (Correct)	43,485,719	43,447,668	47,830

	Elapsed Time:			
	Emer. Generator	971.7	965.6	6.1

% Run	Elapsed Time:			
52.7%	No. 1 Pump	15,563.1	15,171.3	391.8
0.0%	No. 2 Pump	19,761.05	19,761.05	0.00
21.5%	No. 3 Elec. Pump	31,657.3	31,497.1	160.3
0.6%	No. 3 Nat. Gas Pump	509.9	505.4	4.5
0.0%	No. 4 Elec. Pump	0.00	0.00	0.0
0.6%	No. 4 Nat. Gas Pump	1,686.4	1,682.2	4.2
35.9%	No. 5. Pump	17,570.470	17,303.240	267.230
0.3%	UV Building Generator	111.2	109.2	2

		9/1/2021	8/1/2021	
SLUDGE	No. I Hour Meter	0.0	0.0	0
SYSTEM	No. 2 Mag Meter	1,360,540	1,049,470	311,070
	Recycle Meter (Reset to zero each month)			311,070

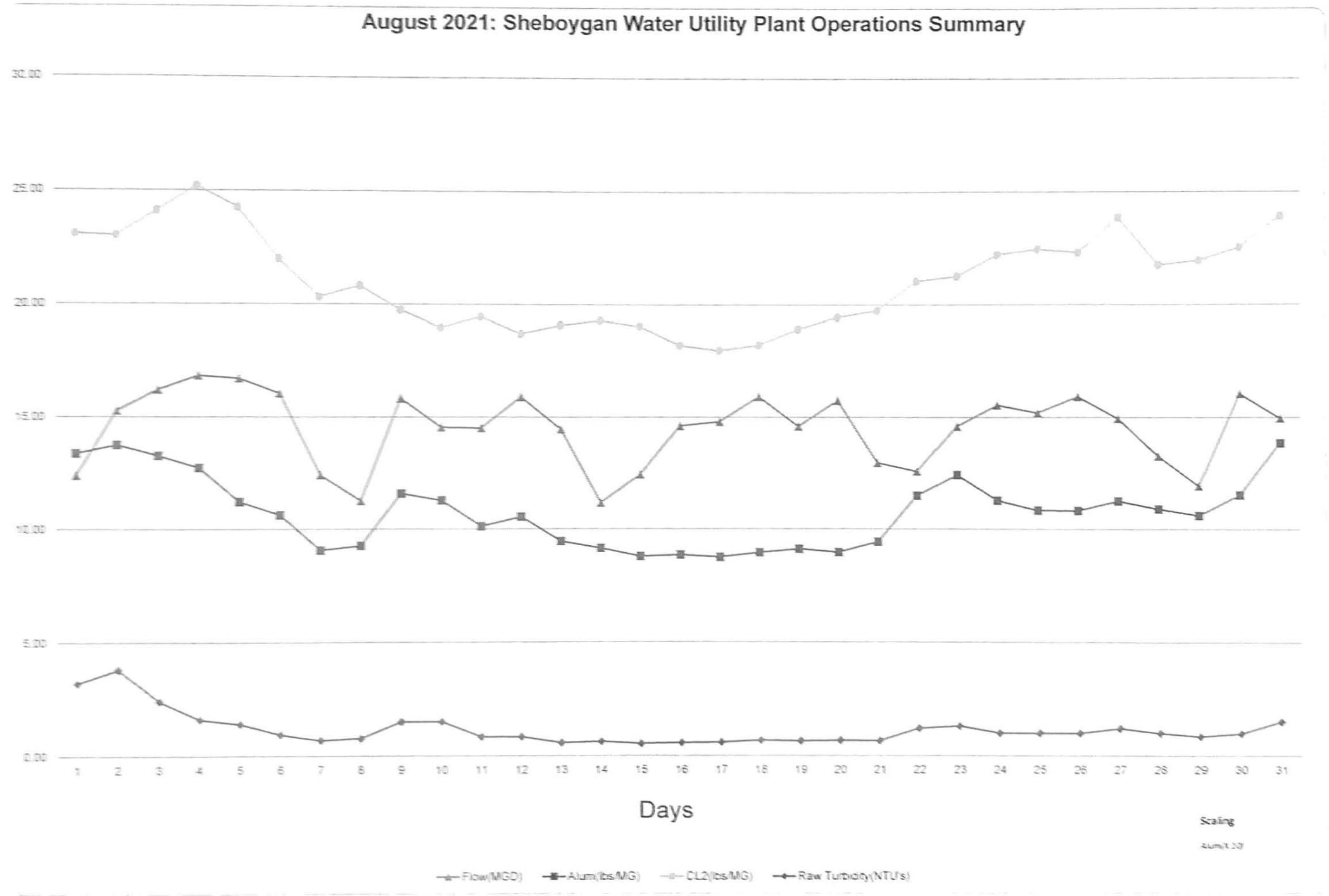
Power Cost	$0.0689596	Bill >>>>	$38,479.47
	0.328575	KWH >>>	558,000
Init. Chg.	$36,410.68		

	$	KWH
Kohler Pit		
Horizon	$34.06	136
Taylor	$66.69	415
ALT. 72 Park	$394.29	1,200
Geo. Ave.	$5,095.23	50,100
Wilgus Ave.	$403.76	3,300
EE Pit	$532.59	4,542
EE Tower	$47.49	253
Washington	$45.19	208
Office	$1,238.33	10,946
Erie Ave.	$2,212.75	15,600
Total	$46,481.06	614,700

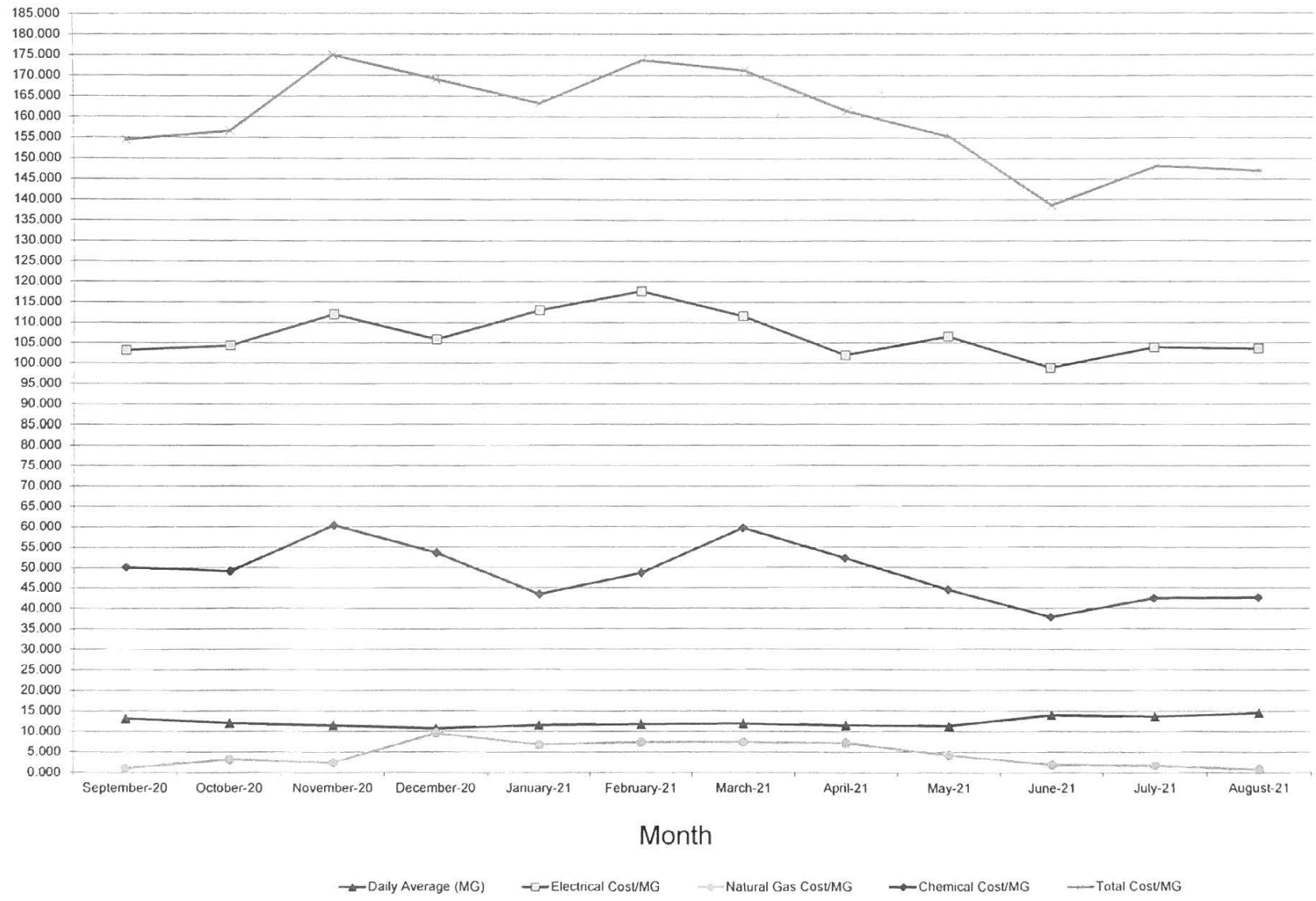
Low L. KWH	90,716
L.L. Cost $	$6,255.74
High L. KWH	383,134
H.L. Cost $	$26,420.78
Total Cost	$32,676.52
Plant Costs	$3,983.64

SUMMARY

	HIGH LIFT		LOW LIFT	
	2020	2021	2020	2021
Tot. Pump	438.859	448.540	437.778	449.424
Daily Ave.	14.157	14.469	14.122	14.498
Max. Day	16.469	16.929	16.832	16.841
Min. Day	11.381	10.878	11.244	11.163
By Nat. Gas	4.300	5.635	2.670	0.242
Power KWH	345,943	383,134	84,880	90,716
Gals/KWH	1256	1156	5126	4952
Cost/KWH	$0.07294	$0.06896	*******	******
Cost/MG	$57.50	$58.90	$14.14	$13.92
Tot. Cost/MG	$102.61	$103.63	*******	*******


August 2021: Sheboygan Water Utility Plant Operations Summary
30.00
25.00
20.00
15.00
10.00
5.00
0.00
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
Days
Scaling
Flow(MGD)
Alum(lbs/MG)
CL2(lbs/MG)
Raw Turbidity(NTU's)

Plant Operations: Expense Report



Filter Plant Maintenance Completed For August 2021

	Yellow indicates days operating or running labs

Subject	StartDate	EndDate	Description
Dan covering Lab Ops	2-Aug-21	4-Aug-21	Dan covering Lab operations and samples
Filter plant garbage	2-Aug-21		Removed garbage from filter plant common areas
Dan covering 1st shift Ops	5-Aug-21	5-Aug-21	Dan covering 1st shift operations
Dan covering lab	6-Aug-21	6-Aug-21	Dan covering lab
Filter Hall	9-Aug-21		Clean filter hall floors.
Monday Meeting	9-Aug-21		Topics include coverage, raw water improvement, NTU meter upgrade, lab inspection, future lead/copper sampling, etc.
Taylor Hill	9-Aug-21		Check grounds, inspect hypo meter, collect sample, etc.
Erie Ave.	9-Aug-21		Walk grounds, collect sample, clean hypo meter, and check generator.
Georgia Ave.	9-Aug-21		Collect sample, walk grounds, check reagents, and inspect hypo meter.
Horizon Ave.	9-Aug-21		Check grounds, collect lab sample, sweep floor, and inspect hypo meter.
Dan Lab Coverage	9-Aug-21	10-Aug-21	Dan covering distribution sampling for Eric.
Wash Filter 4	10-Aug-21		Wash filter 4 before performing NTU meter replacement.
Filter 4 Sample Pump	10-Aug-21		Install new sample pump, wire, and hose.
Filter 4 NTU Meter	10-Aug-21		Install new NTU meter on filter 4.
Taylor Hill	11-Aug-21		Open doghouse for energetics technician and verify installation.
Erie Ave.	11-Aug-21		Refill hypo meter reagents, sweep floor, and clean NTU meter.
Georgia Ave.	11-Aug-21		Remove pipe insulation underneath flow meter banding.
Georgia Ave.	11-Aug-21		Install ¾" drain tube/fittings on pump 6.
Lab Tap Hypo Meter	11-Aug-21		Clean meter and refill reagents.
Filter Hall Sample Jars	11-Aug-21		Cleaned filter hall sample jars.
Laboratory	11-Aug-21		Deep clean laboratory before inspection.
Dan Operating 1st Shift	12-Aug-21	13-Aug-21	Dan operating 1st shift for Wayne and Mark.
Truck 6	12-Aug-21		Test drive, throw away metals, clean shop floor, put tools away, and wash exterior.
Truck 6 Repair	12-Aug-21		Install new front rotors, pads, anchor pins, and serpentine belt.
Truck 6	12-Aug-21		Check brakes for intermittent squealing.
Garbage and Parts	12-Aug-21		Place used battery backup upstairs, remove garbage, and place metals in bin.
South Basin	13-Aug-21		Clean south basin bathroom.
Plant Garbage's	13-Aug-21		Dispose of plant trash and recyclables.
Horizon Tower	13-Aug-21		Check reagents, run hypo calibration, etc.
Taylor Hill	13-Aug-21		Collect sample, inspect flow meter, check grounds, etc.
High Lift Floor	16-Aug-21		Clean high lift floor by pump 3 and chemical containments; bugs and dirt galore.
SAE 30 Oil	16-Aug-21		Remove old oil barrels, drop new oil barrel into wheeled contain, and pour excess oil into engines 3 +4.
Filter 5 NTU	16-Aug-21		Clean filter 5 NTU meter; from .080 to .020.
Filter 6	16-Aug-21		Install new sample pump, hose, and clean NTU meter.
UV% Reset	16-Aug-21		Reset West UVT%; bulbs 50% to 30%.
Monday Meeting	16-Aug-21		Coverage. NTU meter status, UV% issues, etc.
Garbage Removal	16-Aug-21		Dispose of garbage.
Lab Drain Insulation	16-Aug-21		Complete lab meter drain insulation.
Bathroom Heater	17-Aug-21		Lubricate bathroom heater blower motor; fan was bound.
South Basin Light	17-Aug-21		Install new bulb in South basin.
Horizon Ave.	17-Aug-21		Inspect bird damage and possible paint issues.
Georgia Ave.	17-Aug-21		Begin installing new drain system for air relief, hypo meter, NTU meter, and dehumidifier.
Dakota Supply Group	17-Aug-21		Purchase ½" PVC and 3 ¼" tap cons.

Menards	17-Aug-21		Purchase 2" couplings, elbows, pipe, etc.
Georgia Ave.	18-Aug-21		Begin fabricating upstairs 2" drain line.
Georgia Ave.	18-Aug-21		Finish installing downstairs 2" drain line.
Menards	18-Aug-21		2" elbows, strut, 2" clamps, glue, etc.
Lab Heater drain pump	19-Aug-21		Lab heater drain pump dirty and not working. Replacing unit
Pump 6 Priming System	19-Aug-21		Remove priming pot and clean obstruction from bleed port.
Georgia Ave.	19-Aug-21		Begin running strut for blow off tube, NTU meter, and hypo meter.
Georgia Ave.	19-Aug-21		Finish installing drain system.
Dakota Supply Group	19-Aug-21		Purchase 2" clamps and conduit strut.
Dan Operating 1st shift	20-Aug-21	20-Aug-21	Dan covering 1st shift operations for Jeff
Plant Garbage	20-Aug-21		Empty plant garbage's.
Lower Bathroom	20-Aug-21		Clean lower level bathroom.
UV Reference	20-Aug-21		Reset UVT% for West UV train.
Monday Meeting	23-Aug-21		Topics include coverage, Georgia Ave., Hach NTU training, south hypo feed pump swap, etc.
Backwash Basin Decants	23-Aug-21		Replace fuses in decant actuator and check both fuses in 12".
South Basin Feed Pump	23-Aug-21		Perform calibration check on South Basin feed pump; looks to be 30 mL low.
South Hypo Feed Quill	23-Aug-21		Remove and clean south basin main feed quill.
Dan Operating 1st Shift	24-Aug-21	27-Aug-21	Dan covering 1st shift for Jeff.
Georgia Ave.	24-Aug-21		Begin insulating new 2" drain pipe.
2" Blow off Tube	24-Aug-21		Finish installing 2" blow off piping on Georgia's pump 5.
Georgia Ave.	24-Aug-21		Install air relief screens on both internal blow off pipes.
UV Reference Sensor Check	25-Aug-21		Perform UV reference sensor check and UVT calibration.
Filter 2 Head Loss	25-Aug-21		Swap old head loss unit to verify wiring and circuit are intact; suspect bad unit.
Filter Hall NTU	25-Aug-21		Clean filter hall NTU meters; particles from NTU calibration.
Filter 2 Head Loss Issue	25-Aug-21		Being diagnosing filter 2 head loss issues; bleed, check connections, etc.
EE Pit	26-Aug-21		Begin diagnosing EE pit pump alarm issue. Pump runs in hand but not via SCADA.
Lab and Ops. Office	26-Aug-21		Clean laboratory and operations office.
Filter Hall	26-Aug-21		Clean filter hall floor.
Filter NTU Meter Training	26-Aug-21		Training on hall filter NTU meter calibration.
Monday Meeting	30-Aug-21		Vacation coverage, loss of head sensors, EE pit, etc.
Menards	30-Aug-21		Pipe insulation, floor cleaner, q-tips, etc.
Georgia Ave.	30-Aug-21		Sweep, rinse, and wash downstairs floor.
Georgia Ave.	30-Aug-21		Finish insulating downstairs 2" drain pipe.
Sodium Thio barrel	30-Aug-21		Sodium thio barrel replaced
West Post hypo hose barb	30-Aug-21		Replaced west post UV hypo hose barb next to feed pump in hypo room
Cleaned south basin analyzers	30-Aug-21		Cleaned and flushed south basin Hypo lines and analyzers
Insulated turbidity piping	30-Aug-21		Insulated turbidity analyzer piping on #3 filter
EE Pit electrical	31-Aug-21		Linked up with Scott from Specht electric to trouble shoot electrical bus bar, part will be replaced
EE tower Horizon Georgia	31-Aug-21		Went to EE, Horizon and Georgia towers to formulate plan for over flow screening
Post hypo hose replacement	31-Aug-21		Hose replaced on post Hypo pump
West UV Hypo injector	31-Aug-21		West UV Hypo injector removed and cleaned
West UV Ortho injector	31-Aug-21		West UV Ortho injector removed and cleaned
Ortho scale troubleshoot	31-Aug-21		Trouble shoot ortho day tank scale, not reading properly

MONTHLY CONSTRUCTION-MAINTENANCE DEPARTMENT REPORT

August 2021

Distribution System Maintenance:

- Relocated hydrant on S. 15th Street as street is being resurfaced as part of Oscar Development.
- Pipe lowering at N 28th St. and Wilgus Avenue.
- Valve replacements as part of the city street resurfacing project on Geele Avenue.
- Hydrant replacements as part of the city street resurfacing project on Union Avenue.
- Repaired a valve at Broadway Avenue and S 17th Street.
- Built, tested and installed temporary water for two homes on S 10th Street that had lead services disrupted by a city sewer project.
- Repaired service holes.
- Hauled in fill to replenish stock.

Water Quality:

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

Taps:

- 1" tap at 1120 Bluff Ave. Lead Service was removed from the system.

Building/Grounds Maintenance:

- General shop maintenance and cleaning.

Equipment Maintenance:

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

Distribution System -- August 2021

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

Location	Date Installed	Size ("), Jt	Installed By	Type
N. 5th St. at Geele Ave. (N)	8/3/2021	6" MJ	ute.	G (vert)
Geele Ave at N. 6th St (E)	8/3/2021	20" MJ	ute.	B/F-S
S. 15th St south of Georgia Ave	8/5/2021	6" MJ	ute.	G (vert)
N. 11th St. at Geele Ave. (S)	8/11/2021	20" MJ	ute.	B/F-W
Union Ave. 455' W. of c.l. S. 26th St. (N)	8/19/2021	6" MJ	ute.	G (vert)

Total Valves Installed = 5

Street Valves and Hydrant Valves Removed

Location	Installed	Removed	Type
N. 5th St. at Geele Ave. (N)	12/31/1922	8/3/2021	G
N. 11th St. at Geele Ave. (S)	1909-1916	8/11/2021	G (hor)

Total Valves Removed = 2

Street Valves and Hydrant Valves Abandoned

Location	Installed	Abandoned
Geele Ave. at N. 6th St. (E)	0/0/1916	8/3/2021

Total Valves Abandoned = 1

Street Valves and Hydrant Valves Maintained

Location	Maintained	Size	By

Total Valves Maintained = 0

Hydrants Installed (including water main projects and others)

Location	Installed	Tr Size	Valve	By
Union Ave. 455' W. of c.l. S. 26th St. (N)	8/19/2021	7'	y	ute.

Total Hydrants Installed = 1

Hydrants Removed (including water main projects and others)

Location	Installed	Removed	Hyd Valve?
Union Ave. 455' W. of c.l. S. 26th St. (N)	11/15/1993	8/19/2021	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

Total Water Main Breaks = 0

SUMMARY

Number of feet of 4 inch water main installed	0.0	water main
Number of feet of 6 inch hydrant lead installed	0.0	
Number of feet of 6 inch water main installed	0.0	
Number of feet of 8 inch water main installed	0.0	
Number of feet of 12 inch water main installed	12.0	
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	12.0	
Number of water main breaks repaired	0	
Number of hydrants installed	1	hydrants
Number of hydrants removed or abandoned	1	
Number of hydrants maintained or moved	0	
Number of street valves installed	5	valves
Number of hydrant valves installed	1	
Number of street valves removed or abandoned	3	
Number of hydrant valves removed or abandoned	0	
Number of valves maintained	0	
Number of water connections installed	1	

WATER MAIN AND APPURTENANCES INSTALLATION -- August 2021

Water Main Projects (including installation or abandonment of more than 3' of pipe by utility or contractors)

Location: 12" Water Main	Installed	New Valves	New Hyd.	New Hyd Valves	Aband. Valves	Aband. Hyd.	Remove Hyd.	Size " Installed	Feet Installed	New Hyd Lead	Size Aband.	Feet. Aband.	Feet. Rem.	By
N. 28th St and Wilgus Ave intersection	8/23/2021	0	0	0	0	0	0	6	12	0	6" CIP	12	0	Ute.
Totals:		**0**	**0**	**0**	**0**	**0**	**0**		**12**	**0**		**12**	**0**	

Customer Relations & Fiscal Summary

Utility Bills

Mailed 5621

Emailed 2497

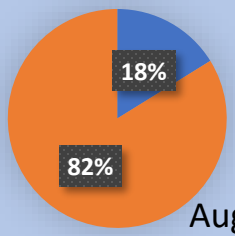
Payment Transactions

Electronic 3,590

Cash & Check 2,696

6,286 Total Number of Payments Processed

12 Payments Returned NSF



Auto-Pay

One Time

	August 2020	**August 2021**
Payment Window	481	376
Drop Box Payments	318	201
Electronic Payments	3125	3590
Cash/Check Payments	2396	2119
Total Payments	6320	6286

Collections

District 1

$ 1,074,315 Billed

$325,008 Outstanding After Due Date

1466 Past Due Letters Mailed

91 Disconnection Letters Mailed

0* Properties Disconnected

$148,719 Outstanding At Month End

**Disco will be held in September. See Summary notes.*

Customer Service

	August 2020	**August 2021**
Answered Calls	1254	**1345**
Account Transfers	238	**195**
Property Data Requests	103	**133**

PSC Complaints

0 PSC Complaint(s) Filed

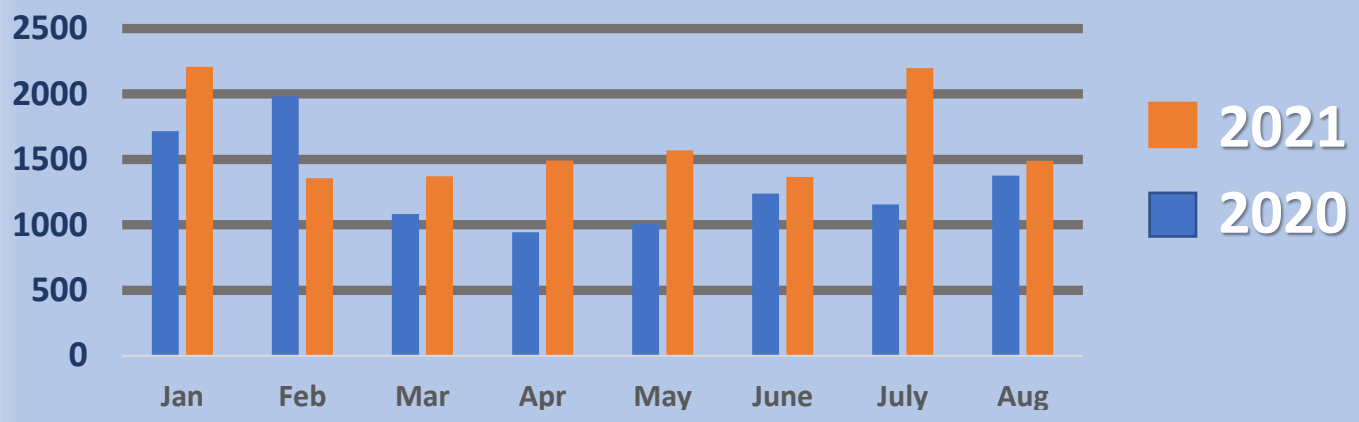
Accounts Payable

224 Invoices Paid

August 2021

Customer Relations & Fiscal Summary

Service Tech Miles Driven



Cross Connection

79 Inspections by SWU

46 Inspections by Hydro Corp

7 Facilities with Compliance Issues

Lead Education

19 WDNR Lead in Drinking Water Brochures Distributed at Home visits

Leak Allowance

6 Customer Requests **633** CCF Allowed @ Reduced Rate

Service Leaks

0 New Reported Leaks

0 Leaks Fixed

6 Active Leak(s) Month End

Meters

89 Meters Installed/Replaced

40 Meters Tested

August 2021

Customer Relations & Fiscal Summary

Facebook Page

3 August New Followers

700 Total Followers

Website Visitors

3,542

2020 Visits in August: 2,477

Top Page Viewed: **Pay Your Bill**

Most Impressionable Facebook Posts

August 2021

Additional CR/F Activities August

- Staff made the transition from PSN to InvoiceCloud on 8/23/2021. InvoiceCloud is now the online and phone payment processor. They are also the vendor for online customer accounts and e-statements.
- Disconnections for non-payment in August were held until September due to the new InvoiceCloud transition.
- Service Techs continue their work changing out and testing water meters.

August 2021

City of Sheboygan Water Utility
spirit on the lake

Sheboygan Board of Water Commissioners

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

2022 Budget

Budget provides for annual investment of **$27,946,484** in all phases of Water Utility operations.

Revenues

Budgeted annual revenue total for 2022	**$11,865,132**
Estimated annual revenue total as of December 31, 2021	$10,067,406
Projected revenues for 2022 expected to increase (decrease)	**$1,797,726** (1)

Expenditures

	Estimated 2021	Budget 2021	**Budget 2022**	Budget Increase (Decrease)	Percent Change
Expenditure by Classification					
Labor	$1,773,362	$1,757,019	**$1,865,029**	$108,010	6.1%
Source of supply	$14,000	$18,000	**$18,000**	$0	0.0%
Pumping	$521,180	$594,120	**$597,120**	$3,000	0.5%
Water treatment	$660,939	$796,000	**$781,000**	-$15,000	-1.9%
Transmission & distribution	$445,294	$415,500	**$426,100**	$10,600	2.6%
Customer accounts	$71,932	$71,800	**$70,150**	-$1,650	-2.3%
Administrative & general	$2,197,021	$1,686,900	**$2,529,171** (3)	$842,271	49.9%
Taxes	$1,409,642	$1,413,517	**$1,441,800**	$28,283	2.0%
Capital outlay	$3,491,904	$3,973,903	**$19,777,000** (2)	$15,803,097	397.7%
Interest on bonds	$470,000	$319,600	**$441,113**	$121,513	38.0%
Totals	$11,055,275	$11,046,359	**$27,946,484**	$16,900,124	153.0%

1) Rate increase authorized by WI PSC in early 2022. SWU revolving LSL loan payments and WDNR grants included in revenues.

2) Includes $18M for Raw Water Improvements (RWI) project construction/engineering.

3) Increase due to additional WDNR LSL grants and SWU LSL loans. Hospitalization costs higher than in previous years.

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

City of Sheboygan Water Utility
spirit on the lake

CASH AND BUDGET SUMMARY

2022

	Budget 2021	Estimate 2021	**Budget 2022**
REVENUES			
Cash Balance January 1 (including bond reserves)	$10,742,988	$9,677,670 (1)	**$7,805,337**
Current Revenues			
Total sales of water	$6,813,600	$7,690,961	**$8,767,695**
Other operating revenues (other sales)	$1,960,646	$1,984,699	**$2,268,637**
Non-operating revenues (rent, interest)	$119,000	$95,660	**$93,800**
Non-operating revenues (WDNR lead grants & SWU loan repayments)	$320,000	$296,086	**$710,000**
Contributions in aid of construction	$25,000	$0	**$25,000**
Total current revenues	$9,238,246	$10,067,406	**$11,865,132**
Total reserves available	$19,981,234	$19,745,076	**$19,670,469**
EXPENDITURES			
Operation & Maintenance			
Source of supply	$19,500	$15,500	**$19,500**
Pumping	$827,309	$730,542	**$825,007**
Water treatment	$1,333,680	$1,172,102	**$1,348,121**
Transmission & distribution maintenance	$950,077	$1,047,602	**$1,018,505**
Customer accounts	$275,400	$275,532	**$285,966**
Taxes	$1,413,517	$1,409,642	**$1,441,800**
Administrative & general (not including LSL grants)	$1,483,374	$1,832,335	**$1,639,471**
Total operation & maintenance	$6,302,856	$6,483,256	**$6,578,371**
Other Expenditures			
Capital outlay	$3,973,903	$3,491,904	**$19,777,000** (4)
Safe Drinking Water Loan proceeds (includes BAN payoff of $3.2M in debt service)	$0	$0	**-$21,200,000**
Water revenue bond proceeds	$0	$0	**$0**
Debt service (including principal and interest, and BAN payoff)	$1,354,464	$1,354,464	**$4,553,769** (2)
Non-operating grant - SWU LSL grants to customers	$50,000	$50,000	**$50,000**
Non-operating - SWU LSL loans to customers	$80,000	$277,615	**$550,000**
Non-operating grant - WDNR LSL grants to customers	$320,000	$282,500	**$550,000** (3)
Total other expenditures	$5,778,367	$5,456,483	**$4,280,769**
Total expenditures	$12,081,223	$11,939,739	**$10,859,140**
Cash & Receivables Balance -December 31	$7,900,010	$7,805,337	**$8,811,329**
(Total reserves - Total expenditures)			

1) Cash reported is actual Jan 1, 2021. Decrease due to covid revenue impact and delay in 2020 rate case.

2) Includes $3.2M payoff of BAN loan and estimated $150k interest on new SDWL for RWI.

3) Anticipated $550k WDNR LSL grant

4) Includes $18M for RWI construction and engineering

City of Sheboygan Water Utility
spirit on the lake

STATEMENT OF ESTIMATED REVENUES

2022

REVENUE SOURCE	Actual 2020	Budget 2021	Estimate 2021	**Budget 2022**
Metered Sales to General Customers (approx. 4.8 billion gallons)				
Residential	$2,385,619	$2,553,217	$2,693,070	**$3,070,100**
Multi-family	$279,003	$305,000	$336,340	**$383,428**
Commercial	$509,281	$603,769	$597,438	**$681,080**
Industrial	$3,460,392	$3,351,614	$4,064,112	**$4,633,087**
Totals	$6,634,296	$6,813,600	$7,690,961	**$8,767,695**
Other Sales to Water Customers				
Private fire protection	$114,600	$71,043	$76,142	**$86,801**
Public fire protection (%, inc Falls & Kohler)	$909,281	$975,625	$927,695	**$1,057,573**
Sales to public authorities	$105,515	$100,897	$102,530	**$116,884**
Sales to Sheboygan Falls & Kohler	$763,238	$741,331	$829,722	**$945,883**
Totals	$1,892,634	$1,888,896	$1,936,089	**$2,207,142**
Other Revenues				
Late payment charges	$33,181	$26,750	$26,750 (4)	**$30,495**
Miscellaneous sales	$17,025	$45,000	$21,859	**$31,000**
Rental income from Georgia Ave	$25,414	$24,000	$28,624	**$28,800**
Billing & collecting charge to City	$92,641 (2)	$45,000	$48,000	**$45,000**
Non-operating revenues - SWU LSL Loan repayment	$0	$0	$13,586 (3)	**$160,000**
Grant revenues - WDNR LSL replacement restricted	$45,825	$320,000	$282,500	**$550,000** (1)
(other billing & collecting costs accounted for by expense reduction)				
Totals	$214,085	$460,750	$421,319	**$845,295**
Total Revenues	$8,741,016	$9,163,246	$10,048,369	**$11,820,132**
Other Income				
Interest	$44,283	$50,000	$19,036	**$20,000**
Contributions in aid of construction (including private laterals)	$0	$25,000	$0	**$25,000**
Totals	$44,283	$75,000	$19,036	**$45,000**
REVENUES **Grand Totals**	$8,785,299	$9,238,246	$10,067,406	**$11,865,132**

1) WDNR LSL grants

2) One-time credit due to error in cost-sharing of Digger's Hotline locating charges.

3) 2021 is first year with SWU LSL loan revenue payments

4) Late fees waived for several months due to Covid-19

City of Sheboygan Water Utility
spirit on the lake

OPERATION AND MAINTENANCE EXPENSES

2022

	Actual 2020	Budget 2021	Estimate 2021	**Budget 2022**
Source of Supply Expenses				
Operations				
Labor	$0	$500	$500	**$500**
Maintenance				
Labor	$0	$1,000	$1,000	**$1,000**
Intakes	$8,980	$18,000	$14,000	**$18,000**
Totals	$8,980	$19,500	$15,500	**$19,500**
Pumping Expenses				
Operations				
Labor	$41,266	$46,025	$42,752	**$45,317**
Electricity & natural gas	$422,526	$500,000	$440,390	**$500,000**
Pumping equipment	$0	$3,120	$0	**$3,120**
Miscellaneous	$64,157	$27,000	$24,000	**$27,000**
Utilities	$35,159	$44,000	$36,790	**$44,000**
Maintenance				
Labor	$149,190	$187,163	$166,609	**$182,570**
Pumping equipment	$2,736	$17,000	$17,000	**$20,000**
Structures	$701	$3,000	$3,000	**$3,000**
Totals	$715,736	$827,309	$730,542	**$825,007**
Water Treatment Expenses				
Operations				
Labor	$503,547	$475,680	$460,680	**$503,121**
Water treatment equipment	$310,255	$390,000 (1)	$346,232	**$390,000**
Chemicals	$239,797	$275,000	$270,000	**$280,000**
Miscellaneous	$1,162	$55,000	$17,000	**$45,000**
Utilities	$12,296	$21,000	$15,207	**$21,000**
Maintenance				
Labor	$55,825	$62,000	$50,484	**$64,000**
Water treatment equipment	$5,956	$30,000	$7,500	**$25,000**
Structures	$11,495	$25,000	$5,000	**$20,000**
Totals	$1,140,334	$1,333,680	$1,172,102	**$1,348,121**

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

City of Sheboygan Water Utility
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OPERATION AND MAINTENANCE EXPENSES

2022

Transmission & Distribution Expenses		Actual 2020	Budget 2021	Estimate 2021	**Budget 2022**
Operations					
Labor		$306,120	$297,577	$315,303	**$355,405**
Reservoirs & standpipes		$284	$17,000	$17,000	**$17,000**
Mains & hydrants		$22,411	$15,000	$40,000	**$30,000**
Meters		$2,033	$40,000	$2,411	**$3,600**
Customer services		$112,452	$120,000	$115,000	**$120,000**
Miscellaneous		$25,096	$40,000	$21,243	**$40,000**
Utilities		$22,702	$22,000	$18,795	**$22,000**
Maintenance					
Labor		$228,565	$237,000	$287,005	**$237,000**
Structures & improvements		$1,711	$9,000	$7,000	**$9,000**
Reservoirs & standpipes		$624,362 (1)	$20,000	$55,000	**$20,000**
Mains		$122,548	$95,000	$130,000	**$125,000**
Meters		$4,718	$6,500	$8,845	**$4,500**
Hydrants		$3,326	$26,000	$25,000	**$30,000** (3)
Customer Services		$412	$5,000	$5,000	**$5,000**
	Totals	$1,476,739	$950,077	$1,047,602	**$1,018,505**
Customer Accounts Expenses					
Operations					
Labor		$198,251	$203,600	$203,600	**$215,816**
Meter reading		$5,283	$4,000	$10,454	**$4,000**
Billing & collecting		$36,144	$40,000	$35,000	**$40,000**
Uncollectible accounts		$2,310	$8,000	$8,000	**$8,000**
Utilities		$725	$800	$746	**$650**
Postage		$15,065	$19,000	$17,731	**$17,500**
	Totals	$257,777	$275,400	$275,532	**$285,966**
Taxes					
Local & school (payment in lieu of taxes to City)		$1,178,561	$1,278,517	$1,278,517	**$1,306,800**
Payroll		$124,424	$125,000	$121,125	**$125,000**
P.S.C. remainder assessment (mandatory to state regulator)		$9,399	$10,000	$10,000	**$10,000**
	Totals	$1,312,384	$1,413,517	$1,409,642	**$1,441,800**
Interest Expense Long Term Debt					
Expense (bonds, SDW loans, unfunded pension)	**Totals**	$334,614	$319,600	$470,000	**$441,113** (2)

1) Included Georgia standpipe 20 year stripping/painting

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

3) Includes $10,000 for stripping and painting 100 fire hydrants

City of Sheboygan Water Utility
spirit on the lake

OPERATION AND MAINTENANCE EXPENSES

2022

Administrative & General Expenses	Actual 2020	Budget 2021	Estimate 2021	**Budget 2022**
Operations				
Labor	$237,917	$246,474	$245,429	**$260,300**
Office supplies	$21,998	$12,000	$22,000	**$12,000**
Utilities	$3,393	$4,000	$2,412	**$4,000**
Outside services & lawyers (cross connection, health ins. review)	$22,443	$82,000	$52,000	**$52,000**
Auditors	$12,950	$13,000	$13,000	**$13,000**
Property Insurance				
Property and contractors' equipment	$39,326	$35,000	$35,000	**$35,000**
Auto	$6,340	$7,000	$7,000	**$7,000**
Crime	$921	$1,000	$1,000	**$1,000**
Injuries & Damage Insurance				
Workmen's Comp	$17,690	$35,000	$18,240	**$35,000**
General liability, public officials, umbrella	$24,770	$30,000	$30,000	**$30,000**
Other Expenses				
Hospitalization (actual claims inc prescip, TPA, reduced by emp contribs)	$781,905	$704,900	$1,041,410	**$832,271** (1)
Retirement	$118,637	$221,000	$272,000	**$272,000**
Life	$4,662	$4,000	$4,844	**$4,900**
Regulatory commission expense	$14,678	$30,000	$30,000	**$30,000**
Miscellaneous & administrative expense	$24,868	$45,000	$45,000	**$45,000**
Non-operating grant expense (WDNR LSL grants to customers)	$37,634	$320,000	$282,500	**$550,000** (2)
Private lead service line (LSL) replacement (SWU grants to customers)	$89,992	$50,000	$50,000	**$50,000**
Private lead service line (LSL) replacement (SWU loans to customers)	$0	$80,000	$277,615	**$550,000**
Maintenance				
Office equipment maintenance	$3,731	$1,000	$1,000	**$1,000**
Office facilities maintenance	$17,892	$12,000	$12,000	**$5,000**
Totals	$1,481,747	$1,933,374	$2,442,450	**$2,789,471**
EXPENDITURES (NOT INCLUDING CAPITAL) **Grand Totals**	$6,728,311	$7,072,456	$7,563,371	**$8,169,484**

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

2) LSL projects include St. Clair 12th to 13th; Clara 10th to 11th;
Lincoln Barrett to N. 3rd; St. Clair 9th to 12th and 13th to 14th; Clara 8th to 10th and 11th to 12th

City of Sheboygan Water Utility
spirit on the lake

CAPITAL OUTLAY

2022

		Actual 2020	Budget 2021	Actual & Estimate 2021	**Budget 2022**
New Construction and Meters					
2022	**Distribution mains, hydrants, and related construction (not including LSL)**				**$1,200,000 (1)**
2022	**Meters (860) of all sizes, including bolts and gaskets, large meter testing**				**$102,000**
2022	**Orion radio generators (500) for 1/2 & 5/8" meters**				**$60,000**
2022	**Replacement of 10 hydrants and 10 street valves**				**$100,000**
2021	Distribution mains, hydrants, and related construction (not including LSL)		$1,231,999	$1,050,000	
2021	Engineering work for Sheboygan River crossing (N. 11th St.)		$40,000	$40,000	
2021	Meters (all sizes, including bolts and gaskets, large meter testing)		$124,904	$124,904	
2021	400 Orion radio generators for 1/2 & 5/8" meters		$60,000	$60,000	
2021	Replacement of 10 hydrants and 10 street valves		$90,000	$90,000	
2021	Hose bib backflow preventers (1011-style units)		$9,000	$9,000	
2020	Distribution mains, hydrants, and related construction (not including	$1,621,130			
2020	Meters (all sizes, including bolts and gaskets, large meter testing)	$24,358			
2020	400 Orion radio generators for 1/2 & 5/8" meters	$13,370			
2020	Replacement of 10 hydrants and 10 street valves	$68,698			
	Total new construction	$1,727,556	$1,555,903	$1,373,904	**$1,462,000**
Other capital outlay					
Source of Supply					
2022	**RWI: intake pipeline, well, pump station - construction/engineeering**				**$18,000,000 (2)**
2021	RWI: intake pipeline, well, pump station - final design		$1,850,000	$1,850,000	
2020	RWI: intake pipeline, well, pump station - prelim design	$790,871			
Pumping					
2022	**Wash pump #1 - Switch gear and motor replacement**				**$95,000**
2021	Behrens Parkway pit pump upgrade design		$50,000	$50,000	
2020	Pumps and motors	$0			
2020	Electric actuator - backwash basin	$4,895	$15,000	$15,000	
Equipment					
2022	**Wilgus Ave Pumpstation Generator Replacement**				**$110,000**
2020	Clear well sluice gate - underwater installation	$88,313			
Structures					
2021	Engineering work for retaining wall rehab		$70,000	$70,000	

1) Includes Indiana Ave, Taylor Dr, St. Clair Ave, Clara Ave, and golf course upsize.

2) Includes construction and engineering costs.

City of Sheboygan Water Utility
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CAPITAL OUTLAY

2022

		Actual 2020	Budget 2021	Actual & Estimate 2021	**Budget 2022**
Water Treatment					
Equipment					
2021	Sludge pit pump #1 replacement		$30,000	$30,000	
2020	Filter #8 underdrain replacement	$0			
Water Treatment (continued)					
Structures					
2021	Roofing replacement A-10 (chlorine bulk storage)		$25,000	$25,000	
2021	East basin structural repairs (liner and concrete)	$52,840	$300,000	$0	
2020	Roofing replacements/Photo-voltaic project	$57,667			
Heating Equipment					
2022	**Heating Upgrades(Add redundant heating in UV and chemical bulk areas)**				**$25,000**
SCADA Equipment					
2020	SCADA PLC replacement of backwash/chem panel	$50,093			
Lab Equipment					
2022	**DR5000 spectrophotometer replacement**				**$10,000**
2020	Replace lab refrigerator and cabinets	$5,937			
Office Furniture & Equipment					
2022	**Neogov software**				**$35,000**
2021	Copy machine replacement		$15,000	$15,000	
2021	Computer replacements (4)		$8,000	$8,000	
2021	Website maintenance & security upgrades		$3,000	$3,000	
2021	Data server replacement		$7,000	$7,000	
2020	Computer replacements	$26,382			
Transportation Equipment					
2022	**#10 truck replacement (2010) to fuel efficient vehicle**				**$40,000**
2020	Vacuum excavation trailer	$43,219			
2020	Water main/lateral acoustic leak detection system	$23,324			
2020	Pipe trailer	$7,150			
2020	Replace 2008 1/2 ton pickup truck	$38,120			
Power Operated Equipment					
Engineering Department					
2021	ESRI GIS licenses and training		$20,000	$20,000	
2021	Replacement of GPS survey unit		$25,000	$25,000	
	Total other capital	$1,188,811	$2,418,000	$2,118,000	**$18,315,000**
	Total all capital expenditures	$2,916,367	$3,973,903	$3,491,904	**$19,777,000**

R. O. No._____. By BOARD OF WATER COMMISSIONERS. September 20, 2021.

To the Honorable, the Mayor and Common Council:

The Board of Water Commissioners, hereby, transmits a copy of the 2022 Water Utility Budget for the Sheboygan Water Utility.

BOARD OF WATER COMMISSIONERS

_____
Gerald R. Van De Kreeke, President

_____
Mark J. Smith, Secretary

_____
Thomas E. Howe, Member

Attachments