

*****ATTACHMENTS*****



RETURN ON RATE BASE

May 31, 2020

	MAY 2020	MAY 2019
<u>Add 2 YR Average</u>		
Utility Plant Balance	\$ 64,531,719	\$ 61,598,706
Materials and Supplies Inventory	\$ 305,287	\$ 309,480
<u>Less 2 YR Average</u>		
Reserve for Depreciation	\$ 21,314,144	\$ 19,877,108
Customer Adv for Const	\$ -	\$ -
Average Rate Base	<u>\$ 43,522,862</u>	<u>\$ 42,031,078</u>
Net Operating Income YTD	\$ 185,373	\$ 523,145
Net Operating Income As a Percent of Average Net Rate Base	<u>0.43%</u>	<u>1.24%</u>

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

May 31, 2020

Ending balance on report for April 30, 2020	<u><u>\$ 9,355,884.92</u></u>
Plus: Receipts	404,750.51
Misc Receipts	1,768.90
Direct Pay Receipts	240,460.83
Money Market/CDARs Investment Interest	3,134.09
BAN Good Faith Deposit	62,000.00
BAN Financing for Raw Water Design & Engineering	3,029,010.00
Minus:	
Disbursements - vendors and payroll	(548,933.50)
Bank Service Fees Credit	(578.32)
Health & Dental Claims/Adm Costs	(61,335.18)
NSF Checks & Customer Refunds	(1,040.01)
PSN Deposit Fees	(266.20)
Reallocate Sewer/Garbage - payments	(3,048.40)
Reallocate Sewer/Garbage - monthly	(958.16)
Online Payments in Transit	4,590.96
Bond Principal & Interest Payments	(1,173,170.67)
Postage	(4,437.52)
Utility Water Payments	(2,073.70)
Ending Balance May 31, 2020	<u><u>\$ 11,305,758.55</u></u>

Note: The above amount includes:

Bond Reserve Fund	706,626.79
CD Investment Account - 12 month	1,041,691.96
CD Investment Account - 12 month	1,380,034.84
CD Investment Account - 6 month	500,054.79
CD Investment Account - 6 month restricted	2,000,131.51
Money Market Investment	1,037,064.11
BAN Funds for Construction	1,091,010.00
Total	<u><u>\$ 7,756,614.00</u></u>

General Unrestricted Operating Cash	3,549,144.55
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REPORT OF BILLING

MAY 2020

	<u>2020</u>	<u>2019</u>	<u>Increase or (Decrease)</u>
Quarterly Metered*			
<i>(Dist III - south of Union Ave)</i>			
Residential	191,567.68	181,418.66	10,149.02
Multi-Family	22,767.50	21,932.00	835.50
Commercial	24,959.39	27,739.00	(2,779.61)
Industrial	15,162.00	16,355.54	(1,193.54)
Public	<u>6,654.70</u>	<u>6,892.20</u>	<u>(237.50)</u>
Subtotal	261,111.27	254,337.40	6,773.87
Public Fire Protection	67,328.84	67,916.32	(587.48)
Monthly Metered	<u>168,179.93</u>	<u>328,884.88</u>	<u>(160,704.95)</u>
Sheboygan Net	496,620.04	651,138.60	(154,518.56)
Sheboygan Falls	40,338.76	40,295.52	43.24
Kohler	<u>20,599.80</u>	<u>27,735.60</u>	<u>(7,135.80)</u>
Total	557,558.60	719,169.72	(161,611.12)

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

Total accumulative billing for 2020 is \$3,151,969.09. A decrease of \$381,457.16 from 2019 accounted for as follows:

	<u>2020-Total Year to Date</u>
Sheboygan	(372,550.12)
Sheboygan Falls	11,653.64
Kohler	<u>(20,560.68)</u>
	(381,457.16)

Total bills mailed May, 2020: 6,654

Residential	6,068	Multi-Family	5
Multi-Family	93	Commercial	18
Commercial	321	Industrial	64
Industrial	49	Public	9
Public	27		
Quarterly	6,558	Monthly	96



STATEMENT OF NET POSITION
MAY 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	73,033,073	70,363,362	<u>Proprietary Capital</u>		
Depreciation- Utility Plant	23,758,534	22,189,079	Capital Paid by Municipal	1,640,701	1,640,701
Net Utility Plant	<u>\$ 49,274,539</u>	<u>\$ 48,174,284</u>	Unapprop. Earned Surplus	44,743,830	42,626,751
			Total Proprietary Capital	<u>\$ 46,384,531</u>	<u>\$ 44,267,452</u>
<u>Other Property and Investments</u>			Bonds, Loans & Advances	13,677,170	11,606,505
Appropriated Funds	-	296,544	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	1,000	3,084
Total Other Prop & Investment	<u>\$ 1,968,817</u>	<u>\$ 2,119,356</u>	Accrued Liabilities	1,097,996	1,091,121
			Total Current & Accrued Liab.	<u>\$ 1,098,996</u>	<u>\$ 1,094,205</u>
<u>Current and Accrued Assets</u>			<u>Deferred Credits</u>		
Cash & Investments	10,599,882	6,917,397	Bond Premium	241,886	283,748
Accounts Receivable	1,208,532	1,432,110	Pre 2003 Depr on Contributed Assets	90,016	115,150
Grant Receivable - Restricted ²	24,847	2,500		<u>\$ 331,902</u>	<u>\$ 398,898</u>
Materials & Supplies Inventory	310,030	300,544	<u>Operating Reserves</u>		
Prepaid Expenses	20,531	15,903	Net Pension & OPEB Liability ¹	275,425	299,388
Total Current & Accrued Assets	<u>\$ 12,163,822</u>	<u>\$ 8,668,454</u>	Deferred Inflow - Pension & OPEB ¹	1,103,698	766,023
			Accrued Vac & Sick Leave	535,456	529,622
Total Assets and Debits	<u>\$ 63,407,177</u>	<u>\$ 58,962,093</u>	Total Operating Reserve	<u>\$ 1,914,579</u>	<u>\$ 1,595,033</u>
			Total Liab & Other Credits	<u>\$ 63,407,177</u>	<u>\$ 58,962,093</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

MAY 31, 2020 AND 2019

	2020		2019		Incr (Decr) YTD	% Incr/Decr YTD
	MONTH	YTD	MONTH	YTD		
Sales Revenue ¹	\$ 558,949	\$ 2,861,097	\$ 725,433	\$ 3,259,109	\$ (398,012)	-12.21%
Other Water Revenue ²	\$ 4,831	\$ 43,766	\$ 3,862	\$ 19,237	\$ 24,529	127.51%
Total Operating Revenues	\$ 563,780	\$ 2,904,863	\$ 729,295	\$ 3,278,346	\$ (373,483)	-11.39%
Operating Expenses ³	317,225	1,329,578	419,110	1,399,121	(69,543)	-4.97%
Maintenance Expenses ⁴	57,660	253,917	72,903	280,578	(26,662)	-9.50%
Depreciation Expenses ⁵	126,540	649,859	115,049	592,786	57,073	9.63%
Taxes	107,636	486,136	107,864	482,716	3,419	0.71%
Total Operating Expenses	\$ 609,061	\$ 2,719,488	\$ 714,924	\$ 2,755,201	\$ (35,713)	-1.30%
Utility Operating Income	\$ (45,282)	\$ 185,374	\$ 14,371	\$ 523,145	\$ (337,770)	-64.57%
Other Income & Expense						
Non-operating Grant Revenue	2,500	20,450	-	5,000	15,450	
Non-Operating Grant Expenses	(2,500)	(20,450)	-	(5,000)	(15,450)	
Bond Premium	2,739	13,697	2,739	13,697	-	
Interest Earned on Investments	3,134	21,111	6,402	31,494	(10,384)	
Contributions	-	-	-	-	-	
Other Expense	(23,650)	(23,650)	-	-	(23,650)	
Misc Amortization	2,094	10,472	2,094	10,472	-	
Bond Interest Expense	(26,214)	(131,669)	(26,368)	(132,475)	806	
Change in Net Position	\$ (87,178)	\$ 75,334	\$ (762)	\$ 446,333	\$ (370,998)	

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.

³ The decrease in Operating Expense is due to a decrease in pumping and water treatment expense, and a decrease in medical claims over 2019.

⁴ The decrease in Maintenance Expense is due to fewer main breaks and a decrease in structures maintenance by SWU staff from this period prior year.

⁵ The increase in Depreciation Expense is due to the capitalization of the Horizon water tower, including new infrastructure at the SouthPointe Enterprise Campus.



APPROVAL OF VOUCHERS
May 31, 2020

<u>Total Of The General Vouchers</u>	<u>\$ 316,888.21</u>
<u>Gross Payroll *</u>	<u>\$ 239,471.04</u>
<u>Net Payroll *</u>	<u>\$ 150,791.72</u>

* Three payroll in May

BOARD OF WATER COMMISSIONERS

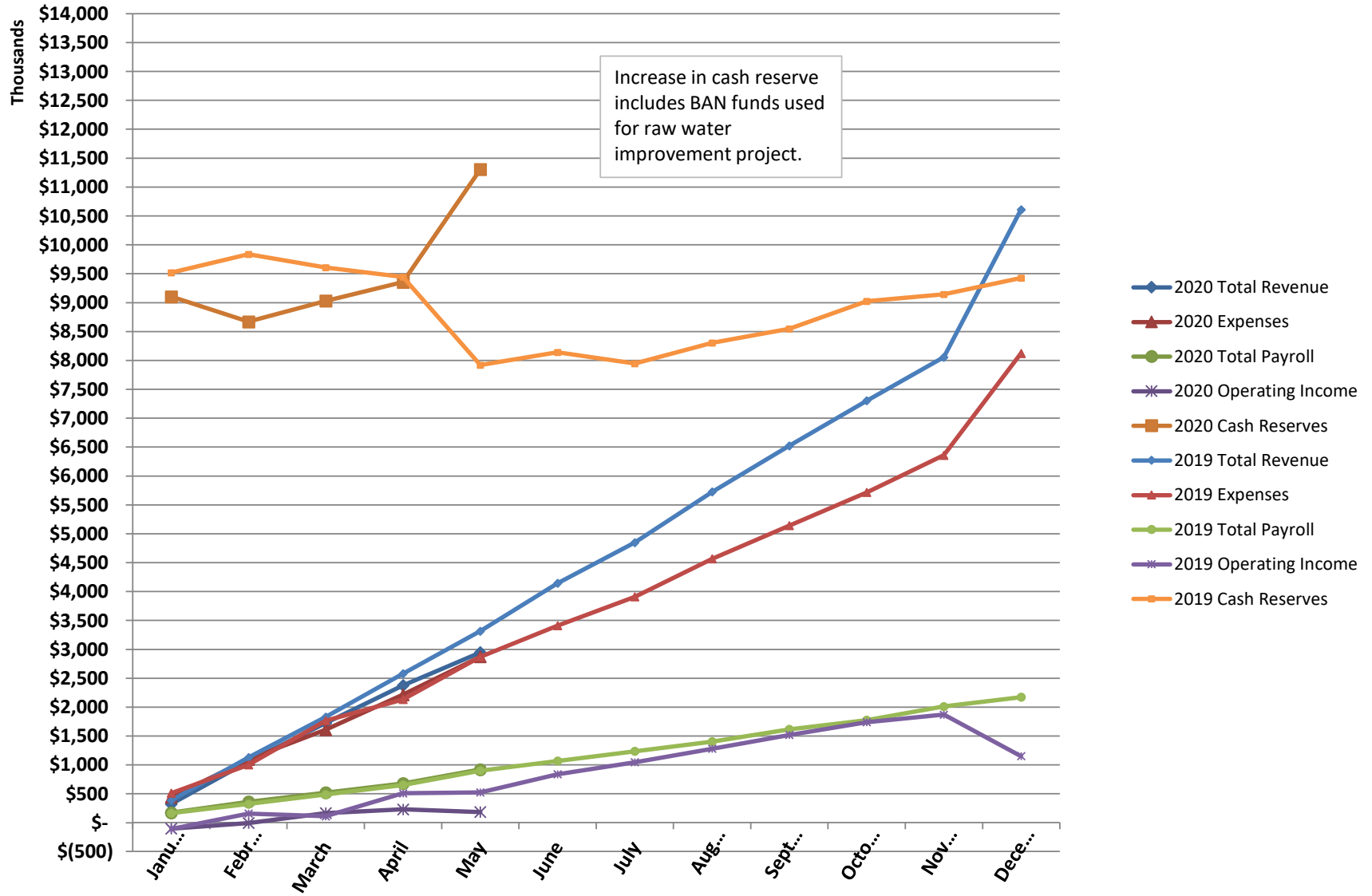
PRESIDENT

SECRETARY

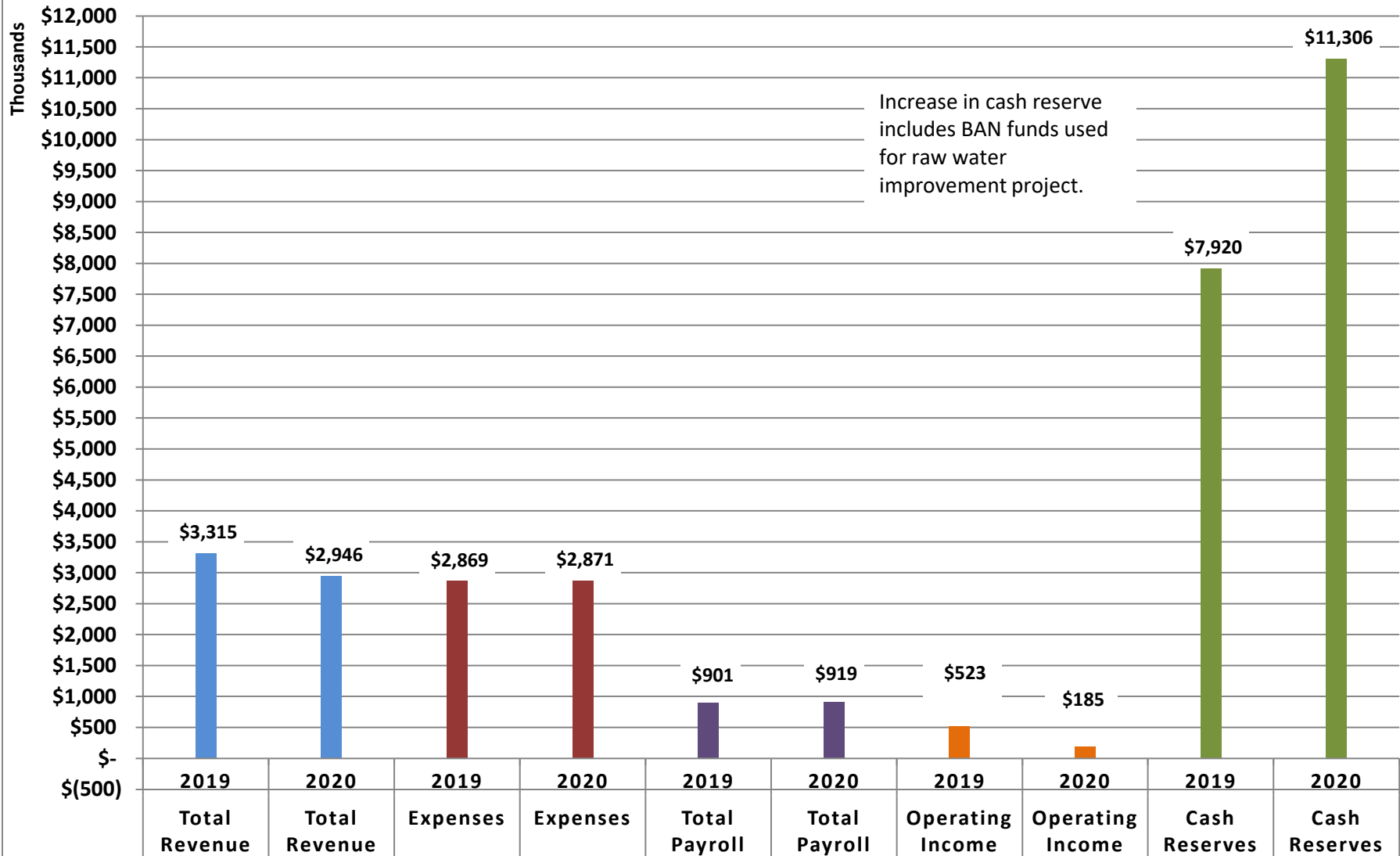
MEMBER

SUPERINTENDENT

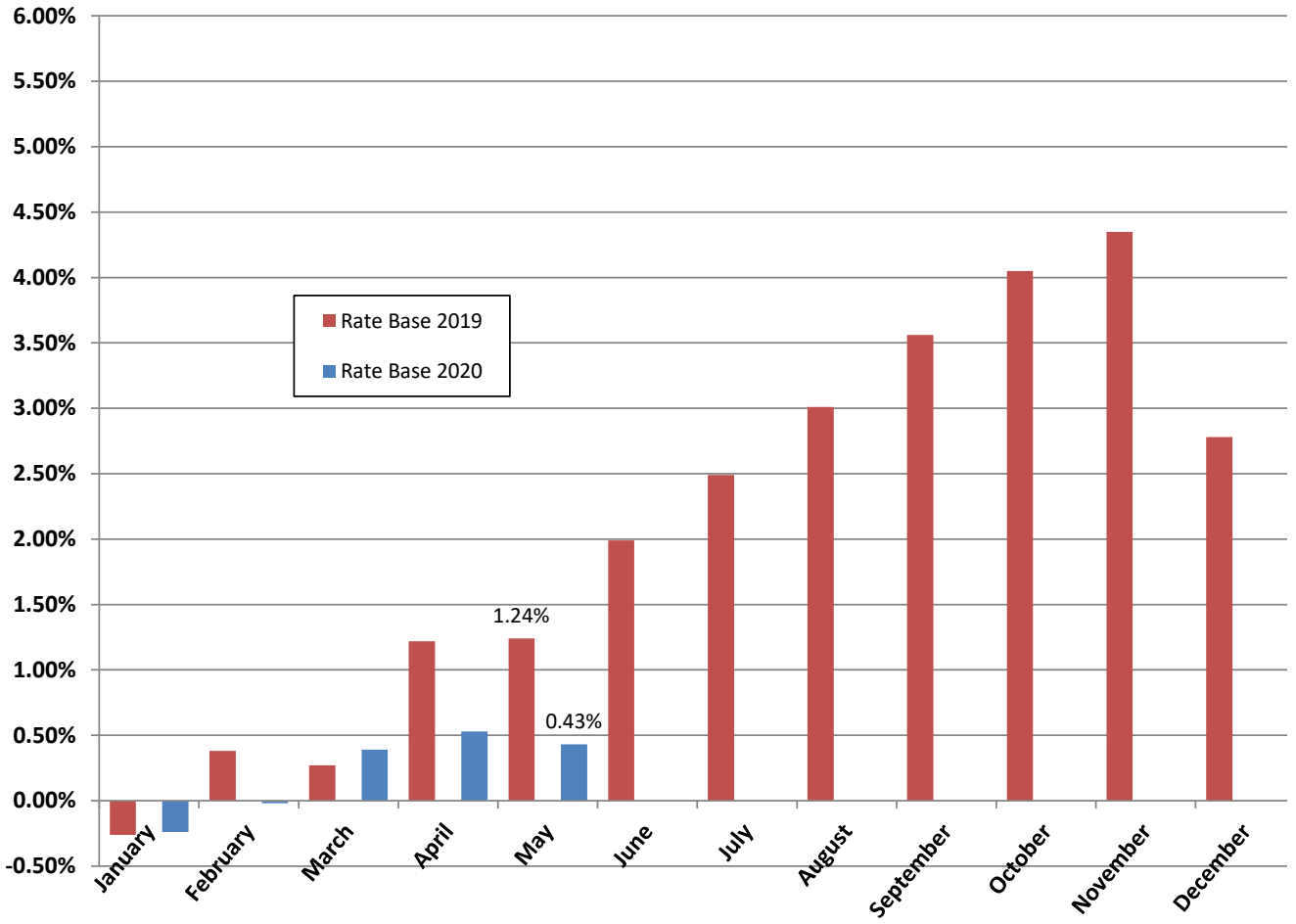
SHEBOYGAN WATER UTILITY MAY 2020 MONTHLY FINANCIAL TREND



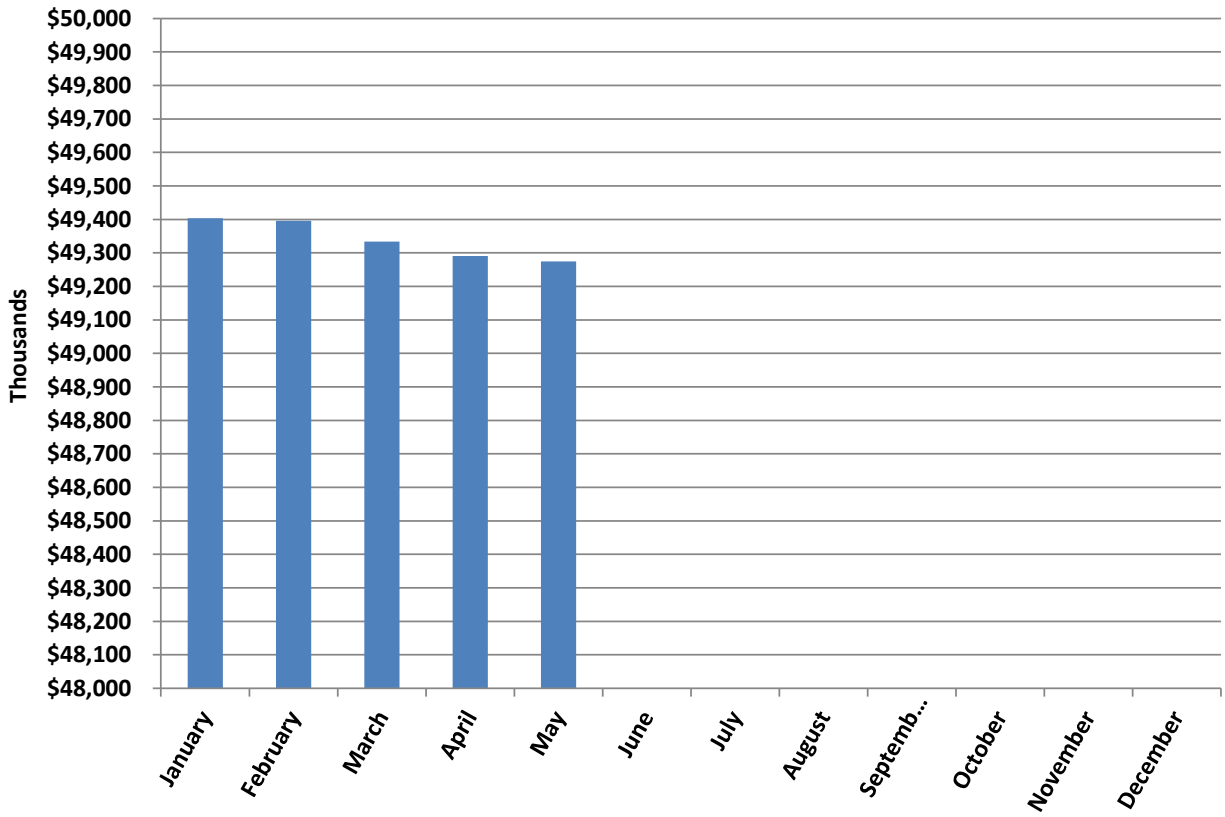
SHEBOYGAN WATER UTILITY MAY 2020 YTD FINANCIAL POSITION



SHEBOYGAN WATER UTILITY MAY 2020 RETURN ON RATE BASE



SHEBOYGAN WATER UTILITY MAY 2020 UTILITY PLANT BALANCE



Distribution System -- May 2020

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

Location	Date Installed	Size ("), Jt	Installed By	Type
S. 25th St. at Georgia Ave. (S)	5/13/2020	6" MJ	ute.	G (vert)
Kansas Ave. between S. 22nd & 21st St. (E)	5/27/2020	6" MJ	ute.	G (vert)
Kansas Ave. between S. 22nd & 21st St. (W)	5/27/2020	6" MJ	ute.	G (vert)

Valves Installed=3

Street Valves and Hydrant Valves Removed

Location	Installed	Abandoned	Type
S. 25th St. at Georgia Ave. (S)	8/14/1961	5/13/2020	G
Kansas Ave. between S. 22nd & 21st St.	4/24/1978	5/27/2020	G

Total Valves Removed = 2

Street Valves and Hydrant Valves Abandoned

Location	Installed	Abandoned

Total Valves Abandoned = 0

Street Valves and Hydrant Valves Maintained

Location	Maintained	Size	By

Total Valves Maintained = 0

Hydrants Installed (including water main projects and others)

Location	Installed	Tr Size	Valve

Total Hydrants Installed = 0

Hydrants Removed (including water main projects and others)

Location	Installed	Removed	Hyd Valve?

Total Hydrants Removed = 0

Hydrants Abandoned (including water main projects and others)

Location	Installed	Abandoned	Tr Size	Hyd Valve?

Total Hydrants Abandoned = 0

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

Location	Installed	Maintained

Total Hydrants Maintained/Moved = 0

Water Main Breaks

Location	Date	Size
Tower Drive 1100' E of Gateway Drive	5/12/2020	12"

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	53.1	
Number of feet of 8 inch water main installed	0.0	
Number of feet of 12 inch water main installed	0.0	
Number of feet of 16 inch water main installed	0.0	
Number of feet of 20 inch water main installed	0.0	
Number of feet of 24 inch water main installed	0.0	
Number of feet of water main abandoned or removed	53.0	
Number of water main breaks repaired	1	
Number of hydrants installed	0	hydrants
Number of hydrants removed or abandoned	0	
Number of hydrants maintained or moved	0	
Number of street valves installed	3	valves
Number of hydrant valves installed	0	
Number of street valves removed or abandoned	2	
Number of hydrant valves removed or abandoned	0	
Number of valves maintained	17	
Number of water connections installed	3	

WATER MAIN AND APPURTENANCES INSTALLATION – May 2020

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

Location: 6" Water Main	Installed	A/C	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
Kansas Ave between S. 21st St and S. 22nd St	5/27/2020		2	0	0	0	0	0	6	53.1	0	6" CIP	53	0	Ute.
Totals:			2	0	0	0	0	0		53.1			53	0	

MONTHLY CONSTRUCTION-MAINTENANCE DEPARTMENT REPORT

May 2020

Distribution System Maintenance:

- Permanent road restoration and manhole setting for past water main break on Washington Avenue.
- Permanent road and right of way restoration for past water main break on Georgia Avenue.
- Repaired water main break on Tower Drive.
- Installation of 3 new street valves.
- Fixed broken valve boxes in preparation for City repaving projects.
- Replaced small section of bad water main on Kansas Avenue.
- Hauled in fill to replenish stock.
- Routine Valve turning.

Water Quality:

- Maintained and calibrated distribution system auto-flushers.
- Completed weekly/monthly dead-end water quality flushing.

Taps:

- 1.5" tap at 2812 N Taylor Dr.
- 1" tap at 1602 Huron Ave. Lead service was removed from the system.
- 6" tap for fire and domestic at 632 N 8th St.

Building/Grounds Maintenance:

- Started site preparation at North 36th St property. Began building a driveway and clearing brush at the site.
- Clean-up of brush at Taylor Hill site.
- General shop maintenance and cleaning.

Equipment Maintenance:

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

May 2020

OPERATIONS' DEPARTMENT MONTHLY REPORT

PUMPAGE	HIGH LIFT		LOW LIFT		2020 VS 2019
	2019	2020	2019	2020	
Total in MG	384,977	285,073	390,439	287,495	HL -25.95%
Daily Average (MG)	12,419	9,217	12,595	9,274	
Max. Day (MG)	14,717	12,120	14,830	12,338	2020 VS 2018
					HL
Gal/KwH	1,210	1,173	5,128	5,606	-31.12%
ELECTRICAL COSTS					
	2019		2020		
A. Pumping:	KwH	\$	KwH	\$	
High Lift	314,813	\$22,146.87	240,708	\$18,196.47	
Low Lift	75,912	\$5,340.35	50,893	\$3,847.26	
Wash Pump 1	2,100	\$147.73	2,100	\$158.75	
Georgia St. Bstr.	50,000	\$4,338.61	19,200	\$2,692.03	
Wilgus Ave. Bstr.	3,100	\$387.93	3,100	\$378.83	
EE Pit / Bstr.	3,205	\$392.10	5,558	\$645.06	
Erie Ave. Bstr.	15,200	\$2,106.79	0	\$0.00	
Sub Total	464,330	\$34,860.38	321,559	\$25,918.40	\$/KwH 7.4%
B. Treat./Fiscal/Misc.	KwH	\$	KwH	\$	
Office & Maint. Bldg.	7,330	\$871.83	7,995	\$925.15	
Filter Plant / Pump Station / 2nd Service	58,175	\$4,967.69	41,699	\$4,386.53	
Sub Total	65,505	\$5,839.52	49,694	\$5,311.68	\$/KwH 19.9%
C. Distribution:	KwH	\$	KwH	\$	
Taylor Hill Tank	1,374	\$179.47	1,607	\$201.43	
Kohler Meter Pit	0	\$0.00	0	\$0.00	
EE Tower	342	\$58.08	1,589	\$199.36	
Washington (PRV) Pit	1,253	\$174.05	581	\$87.94	
Sub Total	2,969	\$411.60	3,777	\$488.73	\$/KwH
Total Electrical Costs	532,804	\$41,111.50	375,030	\$31,718.82	9.6%
Electrical Cost / MG		\$106.79		\$111.01	
NATURAL GAS COSTS					
	2019		2020		
	CCF Used	Cost	CCF Used	Cost	
Production Facility	704	\$336.67	1,172	\$402.16	
South Basin	1,475	\$765.82	1,414	\$563.85	
Georgia St. Bstr.	125	\$68.13			
Erie Ave. Bstr.	129	\$89.39	49	\$44.84	
Wilgus Ave. Bstr.	14	\$21.84			
Office & Maint. Bldg.	507	\$251.27	604	\$221.60	
Total Natural Gas Costs	2,954	\$1,533.12	3,239	\$1,232.45	\$/CCF -26.7%
Natural Gas Cost / MG		\$3.98		\$4.31	
CHEMICAL COSTS					
	2019		2020		
	Lbs. Used	Cost	Lbs. Used	Cost	
Alum	53,498	\$7,703.71	50,793	\$7,187.21	-1.7%
Carbon	0	\$0.00	0	\$0.00	#DIV/0!
Chlorine	7,173	\$6,484.39	5,830	\$4,768.94	-9.5%
Fluoride	2,043	\$1,797.84	1,554	\$1,367.52	0.0%
KMnO4	253	\$924.87	0	\$0.00	#DIV/0!
Cationic Polymer	1,131	\$1,752.90	1,318	\$2,042.59	0.0%
Liquid Phosphate	2,440	\$3,098.80	2,055	\$2,609.85	0.0%
Total Chemical Costs		\$21,762.51		\$17,976.11	-17.4%
Chemical Cost / MG		\$56.53		\$62.91	
Grand Total		\$64,407.13		\$50,927.38	-20.93%
Total Cost / MG		\$167.30		\$178.24	6.54%

YTD HL 2020 vs 2019	-14.29%	YTD HL HIGH DAY PUMPAGE	14,289	January 17, 2020
YTD HL 2020 vs 2018	-15.88%	YTD HL LOW DAY PUMPAGE	8,396	January 1, 2020

NOTE:

May Pumpage is down ~25.95%.

	YTD HL Ave Day
2020	10.479
2019	12.311
2018	12.475

COMPARATIVE SUMMARY OF PLANT OPERATIONS

May 2019

vs

May 2020

Pumping Record

High Lift

Low Lift

	2019	2020	Diff.		2019	2020	Diff.
Tot. Water in MG	384.977	285.073	-25.95%	Tot. Water in MG	390.439	287.495	-26.37%
Daily Average	12.419	9.217	-25.78%	Daily Average	12.595	9.274	-26.37%
Maximum Day	14.717	12.120	-17.65%	Maximum Day	14.830	12.338	-16.80%
Minimum Day	9.834	6.549	-33.40%	Minimum Day	9.724	6.655	-31.56%
By Natural Gas	3,932	3,455	-12.13%	By Natural Gas	1,154	2,215	91.94%
Power in KWH	314,813	240,708	-23.54%	Power in KWH	75,912	50,893	-32.96%
Gals. per KWH	1,210	1,173	-3.08%	Gals. per KWH	5,128	5,606	9.31%
Power \$ / KWH	\$0.07035	\$0.07560	7.46%	Power \$ / KWH	----	----	----
Power \$ / MG	\$57.53	\$63.68	\$6.15	Power \$ / MG	\$13.68	\$13.38	(\$0.30)
Tot. Power \$/MG	\$96.45	\$111.46	\$15.01	Tot. Power \$/MG	----	----	----

Treatment Chem.

Lbs. Used

Cost

Total Lbs.	2019	2020	Diff.	Total Cost	2019	2020	Diff.
Alum	53,498	50,793	-5.06%	Alum	\$7,703.71	\$7,187.21	(\$516.50)
Carbon			#DIV/0!	Carbon	\$0.00	\$0.00	\$0.00
Chlorine	7,173	5,830	-18.72%	Chlorine	\$6,484.39	\$4,768.94	(\$1,715.45)
KMnO4	253		-100.00%	KMnO4	\$924.87	\$0.00	(\$924.87)
Polymer	1,131	1,318	16.52%	Polymer	\$1,752.90	\$2,042.59	\$289.69
Liquid Phosphate	2,440	2,055	-15.78%	Liquid Phosphate	\$3,098.80	\$2,609.85	(\$488.95)
Lb/ MG:				Cost / MG:			
Alum	137.0	176.7	28.94%	Alum	\$19.73	\$25.00	\$5.27
Carbon	0.0	0.0	#DIV/0!	Carbon	#DIV/0!	#DIV/0!	#DIV/0!
Chlorine	18.4	20.3	10.38%	Chlorine	\$16.61	\$16.59	(\$0.02)
KMnO4	0.6	0.0	-100.00%	KMnO4	\$2.37	#DIV/0!	#DIV/0!
Liquid Phosphate	6.2	7.1	14.38%	Liquid Phosphate	\$7.94	\$9.08	\$1.14
Fluoride:	2019	2020		Fluoride:	2019	2020	
Total Lbs.	2,043	1,554	-23.94%	Cost	\$1,797.84	\$1,367.52	(\$430.32)
mg/l applied as F	0.74	0.70		Cost/MG	\$4.68	\$4.80	\$0.12
Av. Res. Plt. Tap	0.79	0.72					

Water Quality:

Raw

TAP

	2019	2020		2019	2020	
Turbidity	3.20	15.10		Turbidity	0.044	0.030
pH	8.17	8.28		pH	7.59	7.57
Alkalinity	110.0	113.1		Alkalinity	102.5	101.6
MF (E-Coli)	0.4	10.1		Plate Count	0.00	0.40
Temperature	44.4	44.9		Colilert	0	0
Wash-H2O % /LL	2.25	2.74		Temp.	45.4	46.7
Av. Ft. Run/hrs	124.6	141.0		Cl Res.	0.79	0.93
Av. ROF / MG	1.42	1.20				

Natural Gas:

	2019	2020		2019	2020	Diff.
Nat. Gas Heating	1,680	2,002	Plant & South Basin	\$863.81	\$765.82	(\$97.99)
Nat. Gas Pumping	499	583		\$238.68	\$200.19	(\$38.49)

	CCF	Cost	Natural Gas Cost	Natural Gas CCF
#3 Gas Pump	136.4	\$46.80	\$966.01	2,586
#4 Gas Pump	220.5	\$75.66		
#7 Gas Pump	122.5	\$42.03		
Electric Generator	104.0	\$35.69		
Pumping totals	583.4	\$200.19		

May 2020

		6/1/2020	5/1/2020	
Elapsed Time:				
% Run	No. 6 Pump	57,091.0	57,078.8	12.3
1.6%	Wash Pump Meter	5,501.35	5,483.51	17.84
2.40%	No. 7 Pump	670.5	665.6	4.9
0.7%	No. 8 Pump	59,445.7	59,445.7	0.0
0.0%	No. 9 Pump	2,313.0	1,586.0	727.0
97.7%	Wash Pump 2	653.89	650	3.89
0.5%	No. 1 Prime Pump	1,023.6	1,023.0	0.6
	No. 2 Prime Pump	1,083.8	1,082.8	1.0
Wattour Meters:				
Kw/Hr run	Wash Pump 1	1173.1	1170.1	2,100
117.7	No. 9 Pump	4447.88	4397.83	50,053
68.8	No. 8 Pump	6795.0	6795.0	0
#DIV/0!	No. 6 Pump	7927.2	7924.2	840
68.6	Wash Pump 2	67,283.8	66.84	533
138.9	No. 1 Pump	7041.011	7041.011	0
#DIV/0!	No. 2 Pump	4290.899	4219.045	71,854
238.0	No. 3 Pump	7751.911	7583.057	168,854
138.9	No. 4 Pump			0
#DIV/0!	No. 5 Pump	6,648.230	6,648.230	0
#DIV/0!				
	Garage (MWatt/Hrs.)	1,006.25	1,003.42	2,830
	Power Co. (Step #3)	27,295	27,012	339,600
	Left Meter - OUTSIDE			
	Volume Used:			
	Nat. Gas (Correct)	41,993,557	41,919,218	93,444

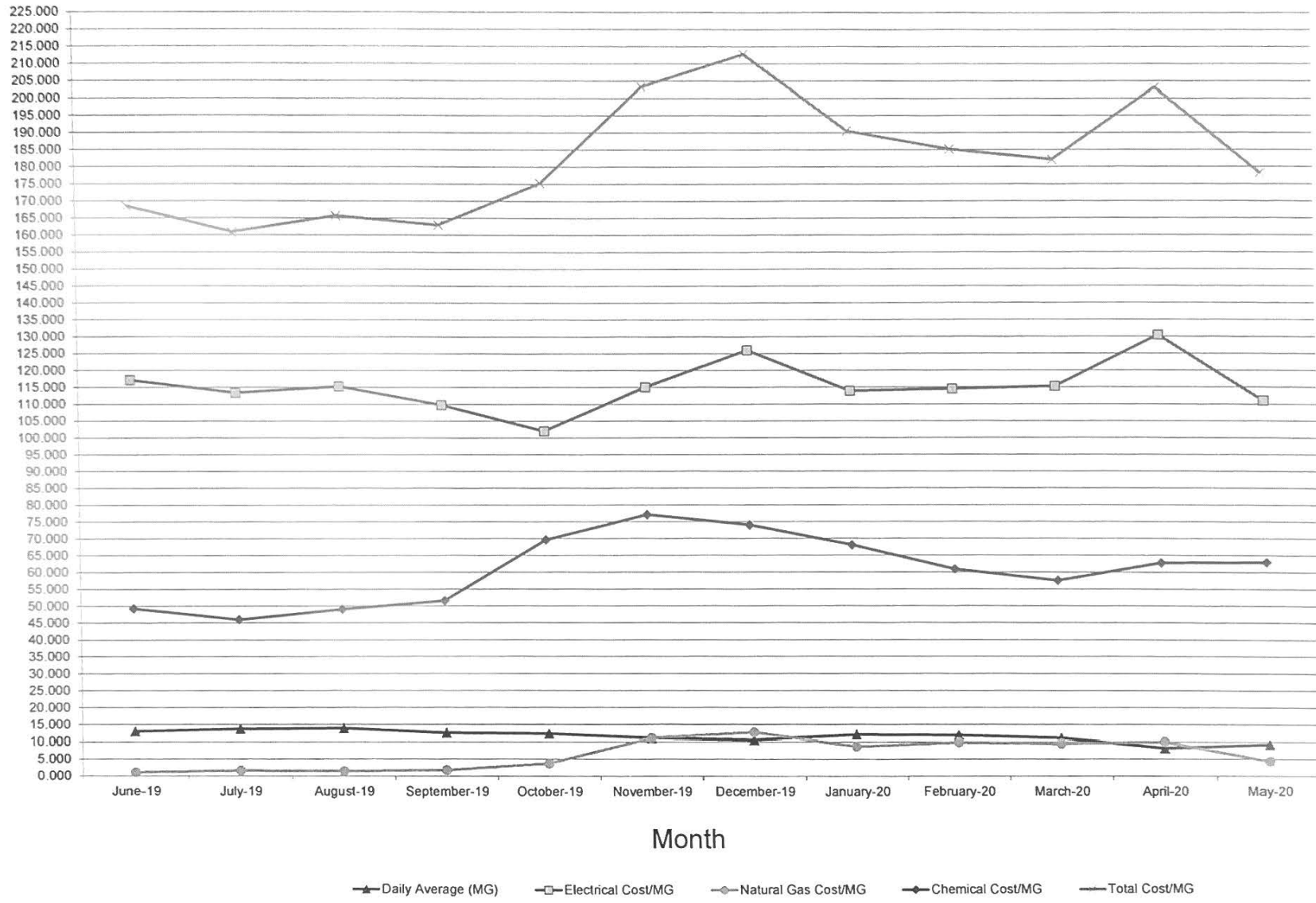
	6/1/2020	5/1/2020	
SLUDGE No. 1 Hour Meter	646.7	646.7	0
SYSTEM No. 2 Mag Meter	7,445,929	7,114,499	331,430
Recycle Meter (Reset to zero each month)			331,430

Power Cost	\$0.0755956	Bill >>>>	\$24,039.41
	0.218271429	KWH >>>	318,000
Init. Chg.	\$25,672.28		
	\$	KWH	
Kohler Pit			Low L. KWH 50,893
Horizon	\$127.07	904	L.L. Cost \$ 3,847.26
Taylor	\$201.43	1,607	High L. KWH 240,708
ALT. 72 Park	\$916.74	4,200	H.L. Cost \$ 18,198.47
Geo. Ave.	\$2,692.03	19,200	Total Cost \$22,043.73
Wilgus Ave.	\$378.83	3,100	
EE Pit	\$645.06	5,558	
EE Tower	\$199.36	1,589	Plant Costs \$4,386.53
Washington	\$87.94	581	
Office	\$925.15	7,995	
Erie Ave.			
Total	\$31,845.89	384,334	

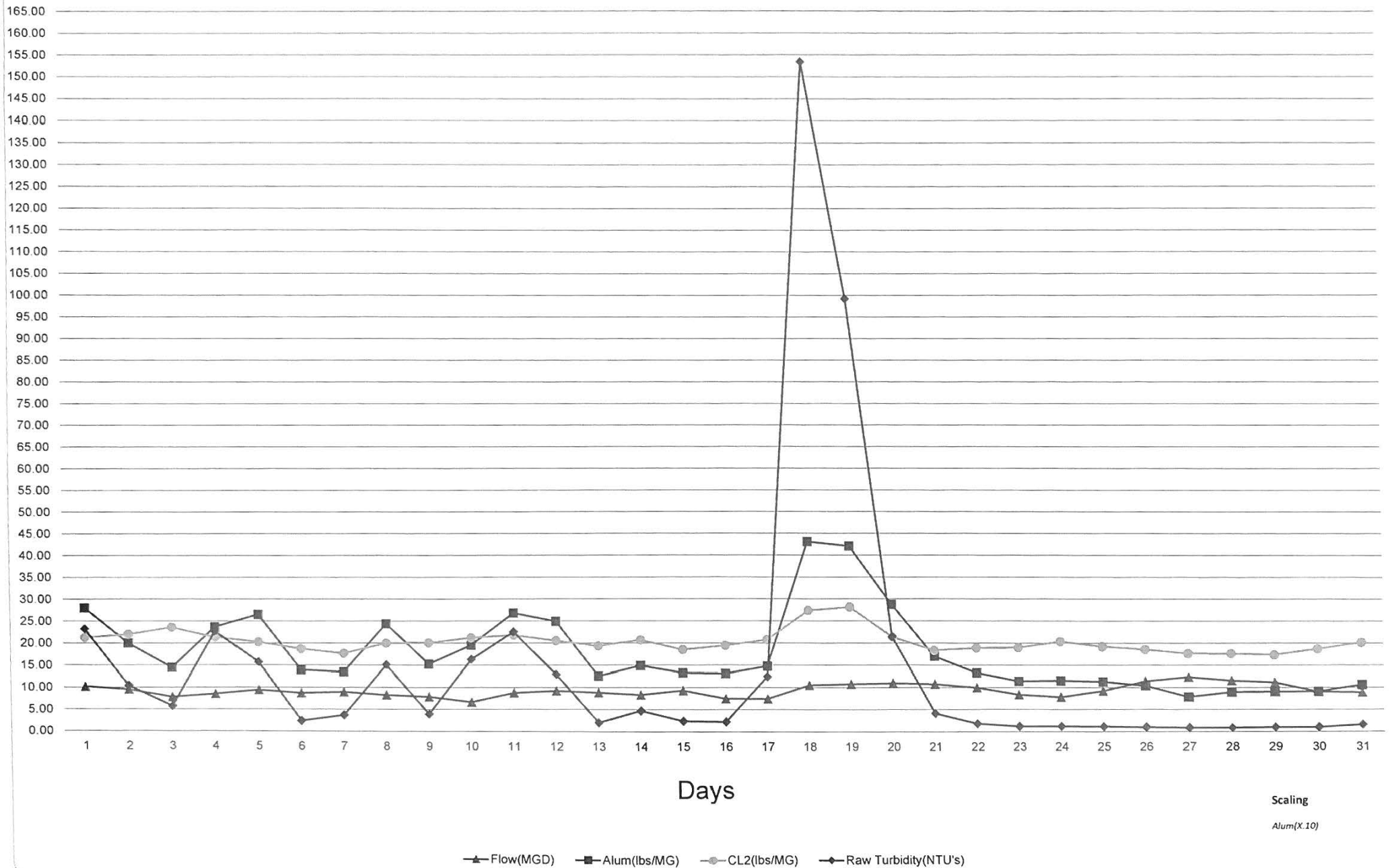
SUMMARY

	HIGH LIFT		LOW LIFT	
	2019	2020	2019	2020
Elapsed Time:				
Emer. Generator	893.9	888.7	5.2	
% Run				
0.0%	No. 1 Pump	13,059.5	13,059.5	0.0
40.6%	No. 2 Pump	18,353.05	18,051.12	301.93
77.9%	No. 3 Elec. Pump	27,019.1	26,439.2	579.9
0.6%	No. 3 Nat. Gas Pump	450.7	446.3	4.4
0.0%	No. 4 Elec. Pump	0.00	0.00	0.0
0.7%	No. 4 Nat. Gas Pump	1,602.5	1,597.6	4.9
0.0%	No. 5. Pump	13,923.260	13,923.260	0.000
0.2%	UV Building Generator	77.8	76.6	1.2
	Tot. Pump	384.977	285.728	390.439
	Daily Ave.	12.419	9.217	12.595
	Max. Day	14.717	12.120	14.830
	Min. Day	9.834	6.549	9.724
	By Nat. Gas	3.932	3.455	1.154
	Power KWH	314,813	240,708	75,912
	Gals/KWH	1210	1173	5128
	Cost/KWH	\$0.07035	\$0.07560	*****
	Cost/IMG	\$57.53	\$63.68	\$13.68
	Tot. Cost/IMG	\$96.45	\$111.46	*****

Plant Operations: Expense Report



May 2020: Sheboygan Water Utility Plant Operations Summary



Scaling

Alum(X.10)

Filter Plant Maintenance Completed For May 2020

Subject	StartDate	EndDate	Description
Maintenance Shop	1-May-20		Install new shelf and fab window panel.
West Basin	1-May-20		Start filling, check valves, put away tooling, etc.
Menards	1-May-20		Order laboratory freezer, buy stain, rubber mat, etc.
West Basin	1-May-20		Enter, lube bearings, close valves, check integrity, etc.
Post Hypo Feed	4-May-20		Remove air pocket from post hypo feed line; low pressure and flow.
West SWAN analyzer	4-May-20		Replace reagents and feed hoses on West SWAN analyzer.
Hypo Calibration Tube	4-May-20		Southern hypo calibration tube was cut and a new upper adaptor was installed; small seep at old connection.
West Hypo Feed	4-May-20		Remove and reseal West hypo normal service lines; small seep at back pressure connection.
West Basin	4-May-20		Check west basin drain valves for leaks (3 founds), reinstall covers, and check packing.
Filter 10 and 11 Sample Pumps	4-May-20		Replace filter sample pumps on filter 10 and 11.
East and West Alum Pumps	4-May-20		Replace feed tubes on East and West alum pumps; lube rollers.
East and West Hypo Pumps	4-May-20		Replace feed hoses on East and West hypo pumps; also lube roller pins.
East Basin	4-May-20		Decant East basin, close outfall, close drain valve, etc.
Lab Area	5-May-20		Remove 6" pipe from North West corner.
Gate Valve	5-May-20		Tightened the packing for large gate valve by high lift one.
Low Lift 9	5-May-20		Inspect coupling and add grease; small sling stains, but okay for now.
Fluoride Meter	5-May-20		Install a new temperature on the SWAN fluoride meter; old on coded out with high temperature.
Hypo System	5-May-20		Leak check hypo feed system after repairs.
East Basin	5-May-20		Prepare hose/basin for sludge service.
Generator Water Pump	5-May-20		Re-orient generator water pump and seal with right stuff.
Front Entry and Filter Hall	6-May-20		Clean and disinfect front entry and filter hall.
Filter Hall	6-May-20		Patch filter hall holes created when radiators were removed.
South Foyer	6-May-20		Install door stop and lube hinges.
Seagull Deterrent Module	6-May-20		Diagnosed inop., installed new battery, repaired solar panel, and moved balance weight.
South Basin	6-May-20		Replace roof ventilator belt, cleaned NTU meter, clean and replace reagents on hypo analyzer, and perform monthly maintenance.
High Lift	6-May-20		Put oil in engine 4 and perform monthly checklist.
Low Lift	6-May-20		Check 7 oil and coolant, inspect vacuum system, and maintenance check.
Menards	6-May-20		Pickup monitor stands, paint, coolant, etc.
Maintenance shop and hall	7-May-20		Move cleaning supplies to carbon room, empty garbage's, and clean hall by sample sink.
Laboratory Furnace	7-May-20		Service lab furnace.
Maintenance Checklist	7-May-20		Continue maintenance checks on South basin, carbon room, old rapid mix, etc.
Georgia Ave and Wilgus	7-May-20		Clean up tools and paint supplies, bring applicable items to Wilgus Ave.
Laboratory Maintenance	7-May-20		Run eyewash station, clean hypo meter, clean phosphate analyzer, clean sink, and repair cold water handle.
Generator Water Pump	7-May-20		Sand and prime new water pump; re-sealed after indexing, match generator color.
Shipping Mill	8-May-20		Return wrong/incorrect generator water pump to Berkeley.
Maintenance Shop and Filter Hall	8-May-20		Clean and disinfect maintenance shop and filter hall.
East/West and South Alum	8-May-20		Cleaned East/West and South alum day tanks, scrub floor, scrub shelving, clean floor scrubber, etc.
Basin Service	8-May-20		Put tools, hoses, lights, and valve turning mechanisms away.
Valves on Hill	8-May-20		Switch over valves on hill, clean up sample barrel, and store apparatus.
Back Wash Basin	8-May-20		Open and flush both sludge valves from backwash basin to sludge pit; 8" line poor flow at first.
East Basin	8-May-20		Shut East basin drain valves, 12" sludge valve, and open outfall.
Email and Raw Water Improvement	11-May-20		Catch up and reply to emails concerning front gate, raw water improvement project, and basin repair.
Monday Meeting	11-May-20		Topics include East basin, coverage, raw water improvement, etc.
East Basin	11-May-20		Enter East basin and remove two 10x10 sections of liner; 11 bags total.
Filter Hall	11-May-20		Remove East basin garbage and clean hall floor.
East Basin	11-May-20		Assemble PPE, enter basin, re-open basin drain valves, check for damage, create a parts list for wash line repair, and close basin drain valves.
Dan operating 1st shift	12-May-20	13-May-20	Dan covering 1st shift operations for Mark
Front Gate	12-May-20		Repair two wires, lube, reset, and pull west arm for repair.
Raw Water Improvement	12-May-20		NG generator and station layout.
Maintenance Shop Surround	12-May-20		Install new A/C surround.
Fluoride Room	13-May-20		Perform monthly checklist and replace light bulbs.
East Basin	13-May-20		Enter East basin, photograph effluent issue, and inspect 10x10 areas.

Garbage	13-May-20		Remove garbage from around plant.
Filter Plant Bathrooms	13-May-20		Cleaned upper and lower bathrooms.
Hypo Analyzers	13-May-20		Cleaned South, East, and West SWAN analyzers.
Joshua Operate 1st Shift	13-May-20	14-May-20	Joshua operating first shift for Mark.
UV Room Checklist	14-May-20		Perform UV room checklist; also installed new heater batteries.
Install Operator Monitors	14-May-20		Move security monitor, install 4 operations monitors, and re-route wiring to computers.
Menards	14-May-20		Operator monitor cables.
Post UV Feed	14-May-20		Remove east post UV hypo injector, clean inside, and prime the system; small pieces of fiberglass blocking injector flow.
UV Reactor Train	14-May-20		Switch over UV reactor from West to East.
UV Referece Sensor Check	14-May-20		Perform reference sensor check and recalibrate UVT%.
UV Reference Sensor Excel Sheet	15-May-20		Fill out UV reference sensor excel sheet.
West Gate Rod	15-May-20		Remove west gate rod, pull apart (again), and diagnose proximity sensor; open proximity sensor is broken.
Filter Plant	15-May-20		Remove filter plant and operations trash.
Front Gate	15-May-20		Reinstall west gate arm, remove east gate arm, and solder circuit board.
Fluoride Room	18-May-20		Remove old window and install new.
Fluoride Room	18-May-20		Install 3 new L.E.D. light assemblies and new light switch.
Honold parts	18-May-20		Honold parts run for lights
Monday Meeting	18-May-20		Topics include flooding, East basin inspection, fluoride lighting, NTU meters, gate repair, SCADA monitors, etc.
Pipe Gallery	18-May-20		Repair socket and replace bulb under fluoride stairs.
Operations Closet	19-May-20		Begin removing unnecessary wires/devices from operations closet.
Old Sample Room and Rapid Mix Checks	19-May-20		Water intrusion from roof, pumps need service, lines need flushed, battery back-up inop, etc.
Polymer System	19-May-20		Install new battery backup battery, lube transfer pump rollers and door, check feed pumps.
South Effluent Sample Line	19-May-20		Flush effluent sample line, clean hypo meter, and service NTU meter; high NTU's.
West Hypo Analyzer	19-May-20		Clean internals with acid, replace meter filter glass, clean flow cell, flush line, and clean external filter.
East Influent Pumps	19-May-20		Clean both influent pumps, lines, replace one hose, re-tape fittings, and leak check.
East Basin Floc Gears	20-May-20		Lube u-joints and add fluid to all 4 east basin floc gears.
East Basin Flocs	20-May-20		Pull apart all 4 east basin floc motors and check belts for wear.
East Basin	20-May-20		Remove 4x4 area of soil on East basin for engineering inspection.
East Basin	20-May-20		Setup safety PPE and enter East basin for photo/inspection.
South Basin and Laboratory	21-May-20		Cleaned south basin bathroom and laboratory floor.
South Basin	21-May-20		Clean south basin and floors.
Front Gate	21-May-20		Install rebuilt west extension arm, connect wiring, adjust rod depth, and square both gate assemblies.
Front Gate Arm	21-May-20		Disassemble West gate arm and install new sensor mechanism.
Dan covering ops 1st shift	21-May-20	21-May-20	Dan covering 1st shift operations for Mark
Filter Hall Jars	21-May-20		Cleaned filter hall comparator jars.
Joshua 2nd Shift Cover	22-May-20	22-May-20	Joshua covering 2nd shift for Glen.
Dan Lab Cover	22-May-20	22-May-20	Dan collected samples and performed laboratory work for Eric.
Memorial day Holiday	25-May-20		Memorial day holiday
East Basin	26-May-20		Prepare PPE for East basin entry.
Tuesday Meeting	26-May-20		Topics include East basin inspection, raw water project update, coverage, Covid 19 details, etc.
East Basin	26-May-20		Put away PPE and clean 4' x 4' area on south side of East basin for Thursday inspection.
Dan Sampling on 8th and New York Ave.	26-May-20	26-May-20	Dan collected Colilert samples for Eric on 8th and New York Ave.
Erie Pump station	27-May-20		Ran generator, refilled reagents, general maintenance/cleanup of pump station
Menards and Trilling's	27-May-20		Menards for laboratory freezer and thermometer; Trilling's for South Basin hose and earmuffs.
Georgia	27-May-20		Refilled reagents and general maintenance/cleanup of pump station area
Horizon Ave. Tower	27-May-20		Calibrate hypochlorite meter and inspect.
Taylor hill	27-May-20		Checked pump station area, did general maintenance/cleanup
Garbage	27-May-20		Removed garbage from filter plant
Power Cord and South Basin	27-May-20		Fabricate 12 gauge extension cord for laboratory, install new South basin hose, and replace fluoride room thermometer.
Joshua Operating 1st Shift	28-May-20	28-May-20	Joshua operating 1st shift for Jeffery.
East basin engineers	28-May-20		Set up and escort for engineers inspecting east basin
Distributed Flipse order	28-May-20		Distributed Flipse order to utility departments
Filter Hall	29-May-20		Clean filter hall floor.
Horizon Tower x 2	29-May-20		Bring remote hypo injection table, scale, and piping; required two trips.
EE Tower	29-May-20		Drop off rubber made cabinet, sweep, and inspect lower pit.
Erie Ave.	29-May-20		Drop off PPE and inspect generator room; coolant levels and cooling water.

CUSTOMER RELATIONS & FISCAL SUMMARY

UTILITY BILLS



PAYMENT TRANSACTIONS

Electronic 3,163

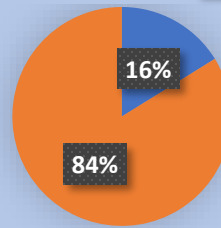
Cash & Check 2,653

#

5,816

Total Number of
Payments Processed

7
Payments Returned
Not Honorable



■ Auto-Pay
■ One Time

COLLECTIONS

District 1 *Suspended Disco
Program due to Public Health Emergency

\$935,537

Billed

\$209,631

Outstanding After
Due Date

0

Disconnect
Letters Mailed

0

Properties
Disconnected

\$101,302

Outstanding At
Month End

	May 2019	May 2020
Drop Box Payments	271	511
Electronic Payments	3027	3163
Cash/Check Payments	3280	2653
Total Payments	6307	5816

CUSTOMER SERVICE

	May 2019	May 2020
Answered Calls	1692	1103
Account Transfers	239	175
Property Data Requests	90	73

PSC COMPLAINTS

0 PSC Complaint(s) Filed

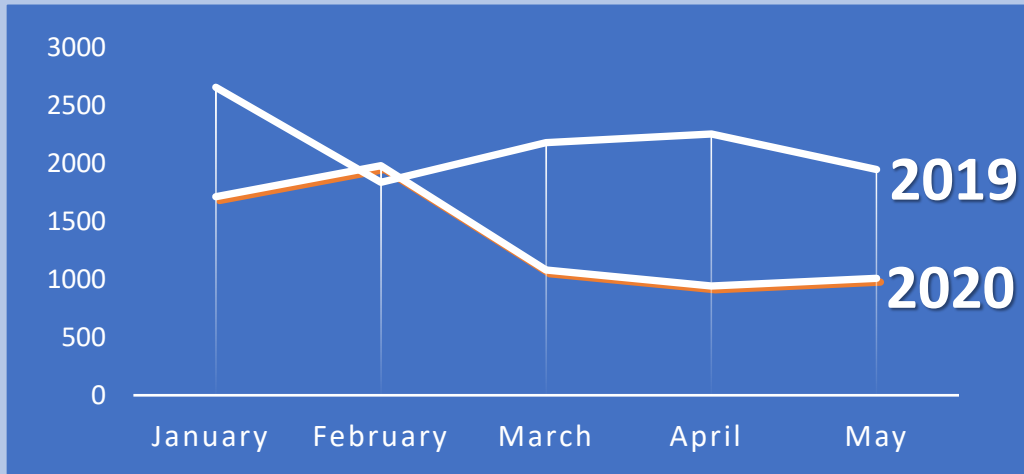
ACCOUNTS PAYABLE

142 Invoices Paid

MAY
2020

CUSTOMER RELATIONS & FISCAL SUMMARY

SERVICE TECH MILES DRIVEN



CROSS CONNECTION

5 Inspections

*Commercial/Industrial CCC Program starting back up in June 2020. Suspended due to COVID-19.

LEAK ALLOWANCE

0 Customer Requests **0** CCF Allowed @ Reduced Rate



SERVICE LEAKS

0 New Reported Leaks
0 Leaks Fixed
1 Active Leak(s) Month End

METERS

6
Meters
Installed/Replaced
0
Meters Tested



MAY
2020

CUSTOMER RELATIONS & FISCAL SUMMARY

FACEBOOK PAGE



25 May New Followers

626 Total Followers

WEBSITE VISITORS

2,814



2019 Visits in May: 2,435

Top Page Viewed: Pay Your Bill

MOST IMPRESSIONABLE FACEBOOK POSTS



Sheboygan Water Utility
Published by Tamara Mae [?] · May 14 at 1:45 PM · 🌐

💧 Reopening after closure or reduced operations? Ensure the safety of your occupants and building water system and devices with these tips from the #CDC : <https://bit.ly/2Z4O9ae>

CDC



✔ Get More Likes, Comments and Shares
When you boost this post, you'll show it to more people.

459 People Reached 29 Engagements

Sheboygan Water Utility
Published by Tamara Mae [?] · May 8 · 🌐

As we continue #DrinkingWaterWeek2020, we need to thank all 33 SWU employees who are working diligently through the pandemic to ensure the treatment and delivery of essential drinking water is constant. These employees have adapted to our ever changing environment with resilience and persistence. Through this pandemic, each one of them has demonstrated their unwavering dedication and desire to serve the public. Thank you. 💙💙💙

#twentyfourseven #weareinthistogether #essential #publicutility #drinkingwaterweek



✔ Get More Likes, Comments and Shares
When you boost this post, you'll show it to more people.

387 People Reached 72 Engagements

MAY
2020

CUSTOMER RELATIONS & FISCAL SUMMARY

ADDITIONAL CR/F ACTIVITIES MAY

- ◆ The payment window reopened Tuesday, May 26, 2020. Two Utility Support Specialists are now working in the office, while two remain remote. One USS answers phones and the other helps customers at the payment window. Social distancing for customers and disinfection procedures have been implemented.
- ◆ Disconnection program for nonpayment is still suspended due to public health emergency and state emergency order.
- ◆ The Service Techs have continued to move forward with their remodeling project, reading meters, opening new accounts, and troubleshooting.
- ◆ Service Techs plan to resume meter change outs for meter testing late June early July.

MAY
2020



Date: June 12th, 2020
To: Joe Trueblood, Utility Superintendent
From: Dave McMillan, Distribution Supervisor
Subject: Maryland Avenue and South 11th Street Project Change Order

Due to Covid-19 pandemic, the project on Maryland Avenue and South 11th Street was suspended for 90 days. The project is now ready to start back up. Rockline Industries is serviced by the water main that is being replaced as part of this project. A loss of service or sudden change in water quality would have large impacts on their manufacturing process. The situation is amplified as Rockline produces disinfection wipes. I would like to recommend the construction of a temporary water service for the Rockline facility while the water main replacement occurs near their facility. This would be completed as a change order to the project. Rockline has agreed to share the cost of the change order with the Water Utility. Rockline would pay 1/3 of the cost of construction.

Cost Summary

Cost of Change Order.....	\$62,000
Cost Paid by the Water Utility.....	\$41,333



6/9/2020

Sheboygan TID 17 Project

EXTRA WORK PRICING PER REQUEST

Revised

Temporary Water Service for Rockline as follows:			
Excavate and assist in performing 16" x 6" Live Tap, backfill excavation. At completion of requirement for temporary water cap off the 6" Valve.	1 ea	\$ 4,770.00	\$ 4,770.00
Furnish and Install 6" HDPE Temporary Water Service (Buried approx 2' deep) +/- 560ft . Pipe to be place directly behind the existing curb and gutter to minimize disturbance beyond the original project scope. Pipe is be backfilled with existing materials except for the short section in the roadway.	560 lf	\$ 56.60	\$ 31,696.00
Test water service			
Shut down Rockline water service , cut in 8" x 6" tee with a 8" Valve east, 6" Valve north, connect temporary 6" (water main parts by SWU) INCLUDES CAPPING 6" VALVE TO NORTH AT REMOVAL OF TEMPORARY. Includes labor and materials to restrain new tee back to the building foundation.	1 each	\$ 14,814.00	\$ 14,814.00
Remove Temporary water service after it is no longer needed.	560 lf	\$ 12.00	\$ 6,720.00
Excavate and cap off 6" Tapping valve (remove Valve box)	1 each	\$ 4,000.00	\$ 4,000.00
		TOTAL	\$ 62,000.00

Date: June 10, 2020
To: Joe Trueblood, Utility Superintendent
From: Bill Swearingen, Operations Supervisor
Subject: Replacement Electric Actuator

The electric actuator was installed in 2007 on high lift #5 discharge line. The existing units' controls are not functioning correctly, and rehab work would exceed 50% of a new replacement unit. Operators are utilizing handwheel function for valve operations.

I would like to recommend replacement.

The attached data sheet includes programming, startup, and installation services.

<u>Items</u>	<u>Total</u>
Replacement Actuator	\$4,895.00

Bill Swearingen

From: Bill Swearingen
Sent: Wednesday, June 10, 2020 2:02 PM
To: Bill Swearingen
Subject: FW: Actuator
Attachments: SHEBOYGAN.SA07.5_60_(708721).pdf

From: Tim Ruesch <timr@dornerco.com>
Sent: Wednesday, June 10, 2020 1:20 PM
To: Bill Swearingen <billswearingen@sheboyganwater.org>; Everett Russell <everettr@dornerco.com>
Cc: Andrew Wellman <andrewwellman@sheboyganwater.org>; Ben Russell <benr@dornerco.com>
Subject: RE: Actuator

Hi Bill

Here is the replacement actuator data sheet. Cost for actuator with controls would be \$4,895.00. Existing gear box to be reused.

This price would include installation and calibration.

Tim Ruesch, P.E.

Dorner Company
Ph: (262) 932-2100 Ext. 118
Ph: (262) 932-2109 (Direct)



Product Configuration (SHEBOYGAN.SA07.5)

Configured by: Dorner Company
Configured on: 6/10/2020
Printed: 6/10/2020

DESCRIPTION	SA07.6/AC01.2
INDUSTRY	
Industry code	Water, Wastewater
DEVICE CHARACTERISTICS	
AUMA product	Multi-turn electric actuator
Rated output torque [lbs.ft.]	45
Rated output torque [Nm]	61
Approximate weight (lbs.)	62
SERVICE CONDITIONS	
Version	Weather-proof
Operating mode	OPEN - CLOSE duty
Enclosure protection	NEMA types 4X/ 6P
Color	AUMA silver-grey (similar to RAL 7037)
Ambient temperature	-30 °C to +70 °C (-22 °F to +158 °F)
Nameplates	English - aluminum (US-AL)
Corrosion protection	KS
ELECTRICAL DATA	
Mains voltage	480 Volts AC
Phase	3-Ph
Frequency	60 Hz
Type of duty	S2 - 15 min.
Motor protection	(D-1T-0140) 3 thermal switches, 1 N.C. contact per phase wired in series 140°C, class F insulation, tropicalized winding
Motor type	3 ph AC motor type AD/VD
MOTOR DATA	
Motor designation	VD00063-2-0.12
Nominal power (HP)	1/6
Nominal power (kW)	0.12
Nominal speed (RPM)	3,360
Nominal current (FLA)	0.7
Current approx. I _{max.} (RTA)	0.9
Starting current (LRA)	3.0
COS	0.52
ACTUATOR FEATURES	
SA model	SA 07.6
Output speed	19 RPM
Valve attachment	FA10

Output drive	FA10-B3 Ø=20mm; key width=6mm; key height 6mm
Torque switches	(0-M) torque sensing via MWG
Limit switches	(0-M) limit sensing via MWG
Position transm.	(30.4) MWG absolute encoder for AC 01.2
Turns per stroke	52.00
Operating time (seconds)	164
Stem protection tube	Without stem tube, with protective screw plug, thread form G1 1/4" BSSP
Heater	(22.5) 24 V in combination with controls: 5 W
Motor heater	(0) without
Torque switching	Setting range 15-45 lbs.ft.
Set to close lbs.ft.	45
Set to open lbs.ft.	45
Handwheel	6.3" (160mm)
Close direction	RH - clockwise
Limit switching	(230) 1-500 rev/stroke adjustable, MWG 30.4
Lubricant	F15 Shell ALVANIA 1029, or F26 Renolit AR
Electrical connection	(S0-000) actuator plug for mounting AM/SEM/AC

ACTUATOR CONTROLS

AUMATIC version	AC 01.2
Feedback E2	MWG magnetic limit/ torque sensor (non-intrusive setting)
Max. motor power	(B00.01) Contactors for power class A1
Motor protection	(C00.01) thermal switch, automatic reset
Interface	(D00.01) Parallel I/O Interface
Positioner	(F00.01) Without, prepared for retrofit
Input signals	(R00.01) CLOSE, OPEN, STOP, EMERGENCY •
Control voltage	(E00.02) 100 - 120 V AC
Electronics supply	(A10.01) 24 V DC internal •
Output aux. voltage	(A30.02) 115 V AC - 30mA (internally powered) •
Output contacts	(H00.03) 6 output contacts: 6 NO/NC without common 250V AC/5A •
Output signals	(S00.01) default setting: K1=Fault, K2=End pos. CLOSED, K3=End pos. OPEN, K4=Selector sw. REMOTE, K5=Torque fault CLOSE, K6=Torque fault OPEN
Local controls	(L00.01) selector switch LOCAL-OFF-REMOTE with padlock; push buttons OPEN-STOP-CLOSE-RESET; large graphical LCD with a resolution of 200 x 100 pixels
Activ. Bluetooth	(L90.01) Switched on
Indication lights	(L10.02) 1 CLOSED:green, 2 TRQ-CL:blue, 3 TH:yellow, 4 TRQ-OP:violet, 5 OPEN:red, BLUETOOTH:blue (with numbers) •
Face plate	(EN-ES-FR) English-Spanish-French •
Tolerance mains voltage	(A40.01) +/- 10%
Electrical connection	(SB-080) plug/socket 100mm, 2 x 3/4" NPT; 1 x 1 1/4" NPT •
Heater	(Q00.01) heater 24 V, internal supply •
Analog output 1	(P00.02) Position feedback: 4-20mA
Analog output 2	(P10.02) Torque feedback: 4-20mA
Blinker version	(N00.02) lights illuminated in mid travel (electronic)
Display language	English
Switch off in CLOSE	(042.01) Limit
Switch off in OPEN	(043.01) Limit
Self retaining LOCAL	(033.03) In direction OPEN and CLOSE

Self retaining REMOTE	(052.00) OFF
Safety mode	(153.01) OFF
Emergency function	(140.01) OFF
Torque by-pass	Function not active
Mounting position	Position A
Mounting pos. local controls	Position A-1, selector switch at 6 o'clock in relation to base of controls (standard for SA/SQ)

OPTIONAL EXTRAS

Double sealed at customer connection XK	Yes
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DRAWINGS

POINT-TO-POINT WIRING DWG	<u>TPCA-3A2-1D1-A000TPA00R100-011-000</u>
OUTPUT DRIVE/MOUNTING FLANGE DWG	<u>SK099489</u>
ACTUATOR DIMENSIONAL DWG	<u>DDS000001AAAAL341</u>

OPERATION MANUALS

WIRING DIAGRAM LEGEND	<u>Legend for AUMATIC AC 01.2/ACExC 01.2</u>
DEVICE INTEGRATION MANUAL	<u>Actuator controls AUMATIC AC 01.2/ACExC 01.2 Parallel</u>
ACTUATOR OPERATION MANUAL	<u>SA(R) 07.2 - 16.2 with AC 01.2 Parallel Non-intrusive</u>

June 15, 2020

To the Board of Water Commissioners

The Utility plans to restrict \$380,000 from unrestricted general operating cash and transfer the amount to a reserve account to offset possible financial risk due to ongoing laser deductibles included in the recent health insurance renewal.

Joe Trueblood, PE
Superintendent

Lisa Gottsacker, CPA
Accountant

R. O. No. _____ . By BOARD OF WATER COMMISSIONERS. June 15, 2020.

To the Honorable, the Mayor and Common Council:

We are, hereby, submitting a copy of the 2019 Annual Report to the Public Service Commission (PSC) of Wisconsin for the Sheboygan Water Utility.

BOARD OF WATER COMMISSIONERS

Gerald R. Van De Kreeke, President

Mark J. Smith, Secretary

Thomas E. Howe, Member

Attachments