

*****ATTACHMENTS*****



REPORT OF BILLING

DECEMBER 2020

	<u>2020</u>	<u>2019</u>	<u>Increase or (Decrease)</u>
<u>Quarterly Metered*</u>			
(Dist I - north of Superior Ave)			
Residential	225,299.25	197,848.13	27,451.12
Multi-Family	17,579.54	15,558.50	2,021.04
Commercial	14,555.26	11,961.38	2,593.88
Industrial	524.40	633.00	(108.60)
Public	<u>3,526.98</u>	<u>3,595.30</u>	<u>(68.32)</u>
Subtotal	261,485.43	229,596.31	31,889.12
Public Fire Protection	63,451.57	63,024.22	427.35
Flat Rate	31,332.80	27,569.10	3,763.70
Monthly Metered	<u>334,519.14</u>	<u>276,035.21</u>	<u>58,483.93</u>
Sheboygan Net	690,788.94	596,224.84	94,564.10
Sheboygan Falls	45,934.25	39,012.12	6,922.13
Kohler	<u>24,644.85</u>	<u>22,294.08</u>	<u>2,350.77</u>
Total	761,368.04	657,531.04	103,837.00

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

Total accumulative billing for 2020 is \$8,503,111.89. A decrease of \$236,411.66 from 2019 accounted for as follows:

	<u>2020-Total Year to Date</u>
Sheboygan	(269,581.41)
Sheboygan Falls	61,834.43
Kohler	<u>(28,664.68)</u>
	(236,411.66)

Total bills mailed December, 2020: 6,954

Residential	6,224		
Multi-Family	89	Multi-Family	6
Commercial	220	Commercial	19
Industrial	9	Industrial	65
Public	33	Public	9
Quarterly	6,575	Monthly	99
		Fire Protection	280
		Flat Rate	280



CASH RESERVE
December 31, 2020

Ending balance on report for November 30, 2020	9,610,742.13
Plus: Receipts	513,706.92
Misc Receipts (includes stop loss reimbursements)	89,530.20
Direct Pay Receipts	302,981.00
Money Market/CDARs Investment Interest	1,574.95
Online Payments in Transit	4,928.85
Minus:	
Disbursements - vendors and payroll	(654,751.85)
Bank Service Fees Credit	(796.22)
Health & Dental Claims/Adm Costs	(171,592.24)
NSF Checks & Customer Refunds	(1,203.33)
PSN Deposit Fees	(2,611.24)
Reallocate Sewer/Garbage - payments	9,656.19
Reallocate Sewer/Garbage - monthly	179.34
Online Payments in Transit	(13,600.22)
Postage	(8,000.00)
Utility Water Payments	(1,817.38)
Ending Balance December 31, 2020	\$ 9,678,927.10

Note: The above amount includes:

Bond Reserve Fund	688,823.56
CD Investment Account - 12 month	1,049,769.67
Money Market Investment	2,923,884.44
Health Insurance Restricted Reserve	380,000.00
BAN Funds for Construction	2,389,368.28
Total	\$ 7,431,845.95

General Unrestricted Operating Cash	2,247,081.15
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APPROVAL OF VOUCHERS
December 31, 2020

<u>Total Of The General Vouchers</u>	<u>\$ 498,339.23</u>
<u>Gross Payroll</u>	<u>\$ 165,333.17</u>
<u>Net Payroll</u>	<u>\$ 100,469.44</u>

BOARD OF WATER COMMISSIONERS

PRESIDENT

SECRETARY

MEMBER

SUPERINTENDENT

Distribution System -- December 2020

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

Location	Installed	Size	By	Type
S. Business Dr. 330' S. of Wilson Ave.	12/16/2020	6" MJ	ute.	G (vert)
Total Valves Installed = 1				

Street Valves and Hydrant Valves Removed

Location	Installed	Removed	Type
S. Business Dr. 330' S. of Wilson Ave.	10/23/1985	12/16/2020	G (tr/w)-Hyd-#1232
Total Valves Removed = 1			

Street Valves and Hydrant Valves Abandoned

Location	Installed	Abandoned
Total Valves Abandoned = 0		

Street Valves and Hydrant Valves Maintained

Location	Maintained	Size
Total Valves Maintained = 0		

Hydrants Installed (including water main projects and others)

Location	Installed	Tr Size	Valve	By
Cooper Ave and N. 22nd St (NE)	12/2/2020	6"	n	ute.
S. Business Dr. 330' S. of Wilson Ave. (E)	12/16/2020	6"	y	ute.
Total Hydrants Installed = 2				

Hydrants Removed (including water main projects and others)

Location	Installed	Removed	Hyd Valve?
Cooper Ave. at N. 22nd St. (NE)		12/2/2020	n
S. Business Dr. 330' S. of Wilson Ave. (E)	10/15/1963	12/16/2020	y
Total Hydrants Removed = 2			

Hydrants Abandoned (including water main projects and others)

Location	Installed	Abandoned
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	Main Size (")
244 Center Ave	12/8/2020	6"
N. 11th and Ontario	12/10/2020	6"
607 S. 27th St	12/12/2020	6"
S/ 20th St between Mead and Custer	12/15/2020	6"
Total Water Main Breaks = 4		

SUMMARY

Number of feet of 4 inch water main installed	0
Number of feet of 6 inch hydrant lead installed	0
Number of feet of 6 inch water main installed	0
Number of feet of 8 inch water main installed	0
Number of feet of 10 inch water main installed	0
Number of feet of 12 inch water main installed	0
Number of feet of 16 inch water main installed	0
Number of feet of 24 inch water main installed	0
Number of feet of water main abandoned or removed	0
Number of water main breaks repaired	4
Number of hydrants installed	2
Number of hydrants removed or abandoned	2
Number of hydrants maintained or moved	0
Number of street valves installed	0
Number of hydrant valves installed	1
Number of street valves removed or abandoned	0
Number of hydrant valves removed or abandoned	1
Number of valves maintained	0
Number of water connections installed	2

MONTHLY CONSTRUCTION-MAINTENANCE DEPARTMENT REPORT

December 2020

Distribution System Maintenance:

- Replaced a hydrant at North 22nd Street and Cooper Avenue and completed site restoration.
- Replaced a hydrant struck on South Business Drive and completed site restoration.
- Assisted a local plumber with a replacement connection to the Gardner Denver on N 15th St.
- Finished the annual inventory counting process.
- Repaired a water main leak at 244 Center Ave.
- Repaired a water main leak at N. 11th St and Ontario Ave.
- Repaired a water main leak at 607 S 27th St.
- Repaired a water main leak at S. 20th Street and Mead Ave.
- Saw cut and made repairs to water main break service holes.
- Hauled in fill to replenish stock.

Taps:

- 4" tap at 1002 Michigan Avenue.
- 1" tap at 1907 North 21st Street. Lead service removed from system.

Building/Grounds Maintenance:

- General shop maintenance and cleaning.

Equipment Maintenance:

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

Training:

- Learned new ESRI GIS applications from the Engineering team.

CUSTOMER RELATIONS & FISCAL SUMMARY

UTILITY BILLS

Mailed
5824

Emailed
1968



PAYMENT TRANSACTIONS

Electronic 3,055

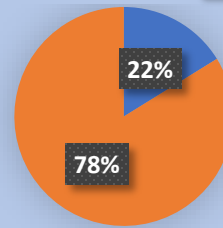
Cash & Check 2,336

#

5,391

Total Number of
Payments Processed

5
Payments Returned
Not Honorable



■ Auto-Pay
■ One Time

Dec 2019 Dec 2020

Payment Window	722	0
Drop Box Payments	239	436
Electronic Payments	2982	3055
Cash/Check Payments	2200	1900
Total Payments	6143	5391

COLLECTIONS

District 2 **Suspended Disco Program
due to PSC rule regarding pandemic*

\$ 1,018,174

Billed

\$269,780

Outstanding After
Due Date

578

Past Due
Letters Mailed

0

Properties
Disconnected

\$119,115

Outstanding At
Month End

CUSTOMER SERVICE

	Dec 2019	Dec 2020
Answered Calls	1647	1180
Account Transfers	188	242
Property Data Requests	50	87

PSC COMPLAINTS

0 PSC Complaint(s) Filed

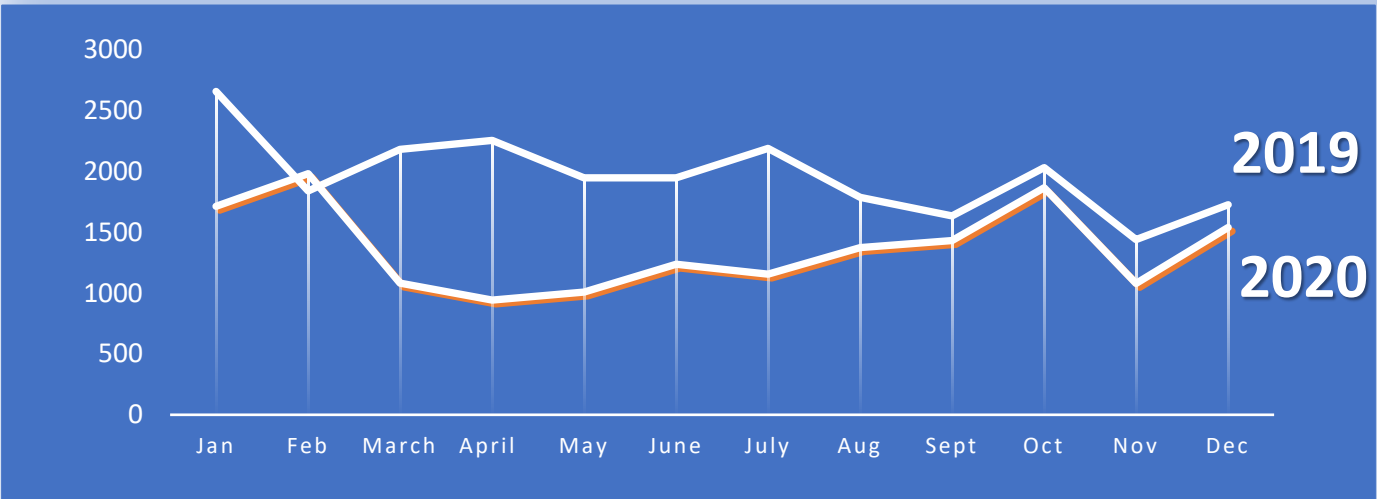
ACCOUNTS PAYABLE

187 Invoices Paid

DECEMBER
2020

CUSTOMER RELATIONS & FISCAL SUMMARY

SERVICE TECH MILES DRIVEN



CROSS CONNECTION

93 Inspections

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

LEAK ALLOWANCE

3 Customer Requests **172** CCF Allowed @ Reduced Rate



SERVICE LEAKS

- 2** New Reported Leaks
- 2** Leaks Fixed
- 2** Active Leak(s) Month End

METERS

23
Meters
Installed/Replaced

0
Meters Tested



DECEMBER
2020

CUSTOMER RELATIONS & FISCAL SUMMARY

FACEBOOK PAGE



4 December New Followers

662 Total Followers

WEBSITE VISITORS

2,370



2019 Visits in December: 2,895

Top Page Viewed: Pay Your Bill

MOST IMPRESSIONABLE FACEBOOK POSTS

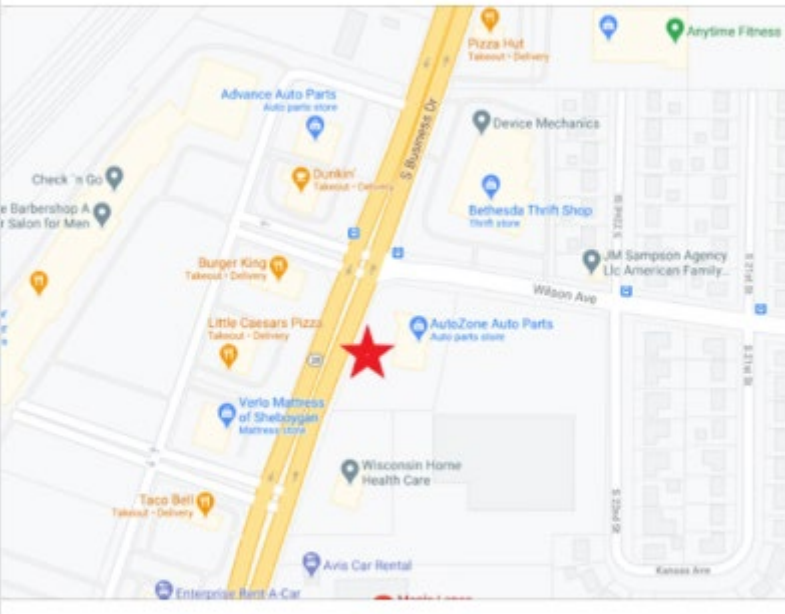


Sheboygan Water Utility
Published by Tamara Mae [?] · December 16, 2020 at 12:54 PM · 🌐

⚠️ Lane Closure - South Business Drive ⚠️

Distribution Techs are working in the east, northbound lane of South Business Drive. This lane is closed.

Please use caution when driving in this area. ... [See More](#)



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

1,155	31	Boost Post
People Reached	Engagements	

👤 City of Sheboygan - City Hall and Heather Mulder 8 Shares

Published by Tamara Mae [?] · December 12, 2020 · 🌐

⚠️ Water Main Break ⚠️

Distribution Techs are responding to a water main break in the 600 block of S. 17th Street. A brief shutdown will be required to make the repair.

Please use caution when driving in this area.... [See More](#)



191	29	Boost Post
People Reached	Engagements	

👤 Dave Sartori 2 Comments

👍 Like 💬 Comment ➦ Share

DECEMBER
2020

CUSTOMER RELATIONS & FISCAL SUMMARY

ADDITIONAL CR/F ACTIVITIES DECEMBER

- ◆ The moratorium on disconnections was extended by the PSC to April 15, 2021.
- ◆ Late Payment Charges will continue to be waived until April 15, 2021 per Board approval and as allowed by PSC.
- ◆ The USS continue to rotate their schedule in the office on teams of two.
- ◆ Service Techs continue meter change outs and testing for commercial and industrial accounts.
- ◆ The residential radio read (Orion) installation program is on hold due to the pandemic. We have approximately 1,100 Orions to install to complete the program.
- ◆ The payment window at the Utility office was temporarily closed starting Monday, October 19, 2020 due to the increase community spread of Covid-19. The payment window reopened Monday, January 11, 2021.
- ◆ Staff is working on a conversion to a new payment processor/online account access vendor: InvoiceCloud.

DECEMBER
2020

December 2020

OPERATIONS' DEPARTMENT MONTHLY REPORT

PUMPAGE	HIGH LIFT		LOW LIFT		2020 VS 2019
	2019	2020	2019	2020	
Total in MG	326,996	331,982	329,626	334,920	HL 1.52%
Daily Average (MG)	10,548	10,736	10,633	10,804	
Max. Day (MG)	12,797	13,870	12,732	13,553	2020 VS 2018
Gal/KwH	1,203	1,209	5,399	5,336	HL -5.38%
ELECTRICAL COSTS					
A. Pumping:					
	2019		2020		
	KwH	\$	KwH	\$	
High Lift	268,172	\$20,967.63	275,369	\$19,060.34	
Low Lift	60,578	\$4,736.41	62,761	\$4,344.19	
Wash Pump 1	2,800	\$218.92	2,100	\$145.36	
Georgia St. Bstr.	46,200	\$4,556.44	56,100	\$5,091.74	
Wilgus Ave. Bstr.	3,200	\$399.97	3,500	\$426.92	
EE Pit / Bstr.	5,275	\$628.28	5,193	\$606.36	
Erie Ave. Bstr.	16,000	\$2,187.35	0	\$0.00	\$/KwH
Sub Total	402,225	\$33,695.00	405,024	\$29,674.91	-12.5%
B. Treat./Fiscal/Misc.					
	KwH	\$	KwH	\$	
Office & Maint. Bldg.	5,836	\$701.00	5,592	\$623.64	
Filter Plant / Pump Station / 2nd Service	63,050	\$5,541.46	60,569	\$4,192.47	
Sub Total	68,886	\$6,242.46	66,161	\$4,816.11	\$/KwH -19.7%
C. Distribution:					
	KwH	\$	KwH	\$	
Taylor Hill Tank	3,414	\$415.75	2,938	\$354.69	
Kohler Meter Pit	0	\$0.00	0	\$0.00	
EE Tower	2,056	\$602.99	1,843	\$231.43	
Washington (PRV) Pit	1,722	\$232.17	1,186	\$164.23	
Sub Total	7,192	\$1,250.91	5,967	\$750.35	\$/KwH
Total Electrical Costs	478,303	\$41,188.37	477,152	\$35,241.37	-14.2%
Electrical Cost / MG		\$125.96		\$105.89	
NATURAL GAS COSTS					
	2019		2020		
	CCF Used	Cost	CCF Used	Cost	
Production Facility	2,758	\$1,480.73	1,969	\$938.11	
South Basin	3,333	\$1,778.54	3,085	\$1,516.91	
Georgia St. Bstr.	175	\$122.63			
Erie Ave. Bstr.	290	\$178.28	328	\$182.46	
Wilgus Ave. Bstr.	47	\$39.32			
Office & Maint. Bldg.	1,057	\$566.74	1,141	\$555.86	\$/CCF
Total Natural Gas Costs	7,660	\$4,166.24	6,523	\$3,193.34	-10.0%
Natural Gas Cost / MG		\$12.74		\$9.60	
CHEMICAL COSTS					
	2019		2020		
	Lbs. Used	Cost	Lbs. Used	Cost	
Alum	86,925	\$12,517.20	56,281	\$7,963.76	-1.7%
Carbon	0	\$0.00	0	\$0.00	#DIV/0!
Chlorine	6,713	\$6,068.55	6,153	\$5,033.15	-9.5%
Fluoride	1,718	\$1,511.84	1,544	\$1,358.46	0.0%
KMnO4	0	\$0.00	0	\$0.00	#DIV/0!
Cationic Polymer	734	\$1,137.70	318	\$492.90	0.0%
Liquid Phosphate	2,349	\$2,983.23	2,358	\$2,994.66	0.0%
Total Chemical Costs		\$24,218.52		\$17,842.93	-26.3%
Chemical Cost / MG		\$74.06		\$53.61	
Grand Total		\$69,573.13		\$56,277.64	-19.11%
Total Cost / MG		\$212.76		\$169.10	-20.52%

YTD HL 2020 vs 2019	-5.02%	YTD HL HIGH DAY PUMPAGE	16,469	August 27, 2020
YTD HL 2020 vs 2018	-10.75%	YTD HL LOW DAY PUMPAGE	8,396	January 1, 2020

NOTE:
December Pumpage is up ~1.52%.

	YTD HL Ave Day
2020	11.642
2019	12.387
2018	13.183

COMPARATIVE SUMMARY OF PLANT OPERATIONS

December 2019

vs

December 2020

Pumping Record	High Lift				Low Lift		
	2019	2020	Diff.		2019	2020	Diff.
Tot. Water in MG	326.996	331.982	1.52%	Tot. Water in MG	329.626	334.920	1.61%
Daily Average	10.548	10.736	1.78%	Daily Average	10.633	10.804	1.61%
Maximum Day	12.797	13.870	8.38%	Maximum Day	12.732	13.553	6.45%
Minimum Day	7.479	6.636	-11.27%	Minimum Day	7.214	6.272	-13.06%
By Natural Gas	4.263	0.000	-100.00%	By Natural Gas	2.565	0.000	-100.00%
Power in KWH	268,172	275,369	2.68%	Power in KWH	60,578	62,761	3.60%
Gals. per KWH	1,203	1,209	0.46%	Gals. per KWH	5,399	5,336	-1.16%
Power \$ / KWH	\$0.07819	\$0.06922	-11.48%	Power \$ / KWH	---	---	---
Power \$ / MG	\$64.12	\$57.27	(\$6.85)	Power \$ / MG	\$14.37	\$12.97	(\$1.40)
Tot. Power \$/MG	\$128.01	\$106.92	(\$21.09)	Tot. Power \$/MG	---	---	---

Treatment Chem.	Lbs. Used			Total Cost	Cost		
	2019	2020	Diff.		2019	2020	Diff.
Total Lbs.							
Alum	86,925	56,281	-35.25%	Alum	\$12,517.20	\$7,963.76	(\$4,553.44)
Carbon			#DIV/0!	Carbon	\$0.00	\$0.00	\$0.00
Chlorine	6,713	6,153	-8.34%	Chlorine	\$6,068.55	\$5,033.15	(\$1,035.40)
KMnO4	0	0	#DIV/0!	KMnO4	\$0.00	\$0.00	\$0.00
Polymer	734	318	-56.68%	Polymer	\$1,137.70	\$492.90	(\$644.80)
Liquid Phosphate	2,349	2,358	0.38%	Liquid Phosphate	\$2,983.23	\$2,994.66	\$11.43
Lb/ MG:				Cost / MG:			
Alum	263.7	168.0	-36.28%	Alum	\$37.97	\$23.78	(\$14.20)
Carbon	0.0	0.0	#DIV/0!	Carbon	#DIV/0!	#DIV/0!	#DIV/0!
Chlorine	20.4	18.4	-9.79%	Chlorine	\$18.41	\$15.03	(\$3.38)
KMnO4	0.0	0.0	#DIV/0!	KMnO4	#DIV/0!	#DIV/0!	#DIV/0!
Liquid Phosphate	7.1	7.0	-1.20%	Liquid Phosphate	\$9.05	\$8.94	(\$0.11)
Fluoride:				Fluoride:			
Total Lbs.	1,781	1,544	-13.32%	Cost	\$1,511.84	\$1,358.46	(\$153.38)
mg/l applied as F	0.66	0.70		Cost/MG	\$4.63	\$4.09	(\$0.54)
Av. Res. Plt. Tap	0.71	0.70					

Water Quality:	Raw			TAP	
	2019	2020		2019	2020
Turbidity	23.30	15.40		0.018	0.029
pH	8.27	8.24		7.52	7.60
Alkalinity	120.5	114.0		105.3	102.8
MF (E-Coli)	12.9	1.2		0.00	0.00
Temperature	35.5	36.7		0	0
Wash-H2O % /LL	1.93	2.12		36.2	38.6
Av. Fit. Run/hrs	147.9	142.0		0.84	0.88
Av. ROF / MG	1.25	1.34			

Natural Gas:			Plant & South Basin			Diff.
	2019	2020		2019	2020	
Nat. Gas Heating	0	4,992		\$2,964.04	\$2,425.48	(\$538.56)
Nat. Gas Pumping	550	62		\$295.23	\$29.54	(\$265.69)

	CCF	Cost	Natural Gas Cost	Natural Gas CCF
#3 Gas Pump	0.0	\$0.00	\$2,455.02	5,054
#4 Gas Pump	0.0	\$0.00		
#7 Gas Pump	0.0	\$0.00		
Electric Generator	62.0	\$29.54		
Pumping totals	62.0	\$29.54		

December 2020

		1/1/2021	12/1/2020	
Elapsed Time:				
% Run	No. 6 Pump	59,593.4	59,370.0	223.4
30.0%	Wash Pump Meter	5,075.92	5,060.83	15.09
2.03%	No. 7 Pump	693.3	693.3	0.0
0.0%	No. 8 Pump	59,475.3	59,475.3	0.0
0.0%	No. 9 Pump	7,397.0	6,656.0	741.0
99.6%	Wash Pump 2	7040	696	6344
852.7%	No. 1 Prime Pump	1,026.7	1,026.4	0.3
	No. 2 Prime Pump	1,088.7	1,088.1	0.6

		1/1/2021	12/1/2020	
Wattour Meters:				
Kw/Hr run	Wash Pump 1	1193.1	1190.1	2,100
139.2	No. 9 Pump	4773.62	4726.82	46,801
63.2	No. 8 Pump	6818.4	6818.4	0
#DIV/0!	No. 6 Pump	8574.2	8517.2	15,960
71.4	Wash Pump 2	72,457.6	71,609.1	1,018
0.2	No. 1 Pump	7672.094	7672.094	0
#DIV/0!	No. 2 Pump	4513.209	4470.403	42,806
239.2	No. 3 Pump	8467.486	8341.659	125,827
289.7	No. 4 Pump			0
#DIV/0!	No. 5 Pump	7,306.448	7,199.712	106,736
480.1				
	Garage (MWatt/Hrs.)	1,019.33	1,017.40	1,930
	Power Co. (Step #3)	29,888	29,554	400,800
	Left Meter - OUTSIDE			
	Volume Used:			
	Nat. Gas (Correct)	42,505,897	42,345,186	202,014

		1/1/2021	12/1/2020	
Elapsed Time:				
	Emer. Generator	925.8	922.7	3.1
Elapsed Time:				
% Run	No. 1 Pump	14,229.1	14,229.1	0.0
0.0%	No. 2 Pump	19,282.12	19,103.13	178.99
24.1%	No. 3 Elec. Pump	29,503.6	29,069.3	434.3
58.4%	No. 3 Nat. Gas Pump	473.5	473.5	0.0
0.0%	No. 4 Elec. Pump	0.00	0.00	0.0
0.0%	No. 4 Nat. Gas Pump	1,626.7	1,626.7	0.0
0.0%	No. 5. Pump	15,295.540	15,073.240	222.300
29.9%	UV Building Generator	85.7	84.5	1.2
0.2%				

	1/1/2021	12/1/2020	
SLUDGE No. 1 Hour Meter	699.7	699.7	0
SYSTEM No. 2 Mag Meter	9,043,010	8,756,950	286,060
Recycle Meter (Reset to zero each month)			286,060

Power Cost	\$0.0692175	Bill >>>	\$30,732.55
	#DIV/0!	KWH >>>	444,000
Init. Chg.	\$27,742.36		
	\$	KWH	
Kohler Pit			Low L. KWH
Horizon	\$343.16	2,678	L.L. Cost \$
Taylor	\$354.69	2,938	High L. KWH
ALT. 72 Park			H.L. Cost \$
Geo. Ave.	\$5,091.74	56,100	Total Cost
Wilgus Ave.	\$426.92	3,500	\$23,404.53
EE Pit	\$606.36	5,193	
EE Tower	\$231.43	1,843	Plant Costs
Washington	\$164.23	1,186	\$4,192.47
Office	\$623.64	5,592	
Erie Ave.			
Total	\$35,584.53	479,830	

SUMMARY

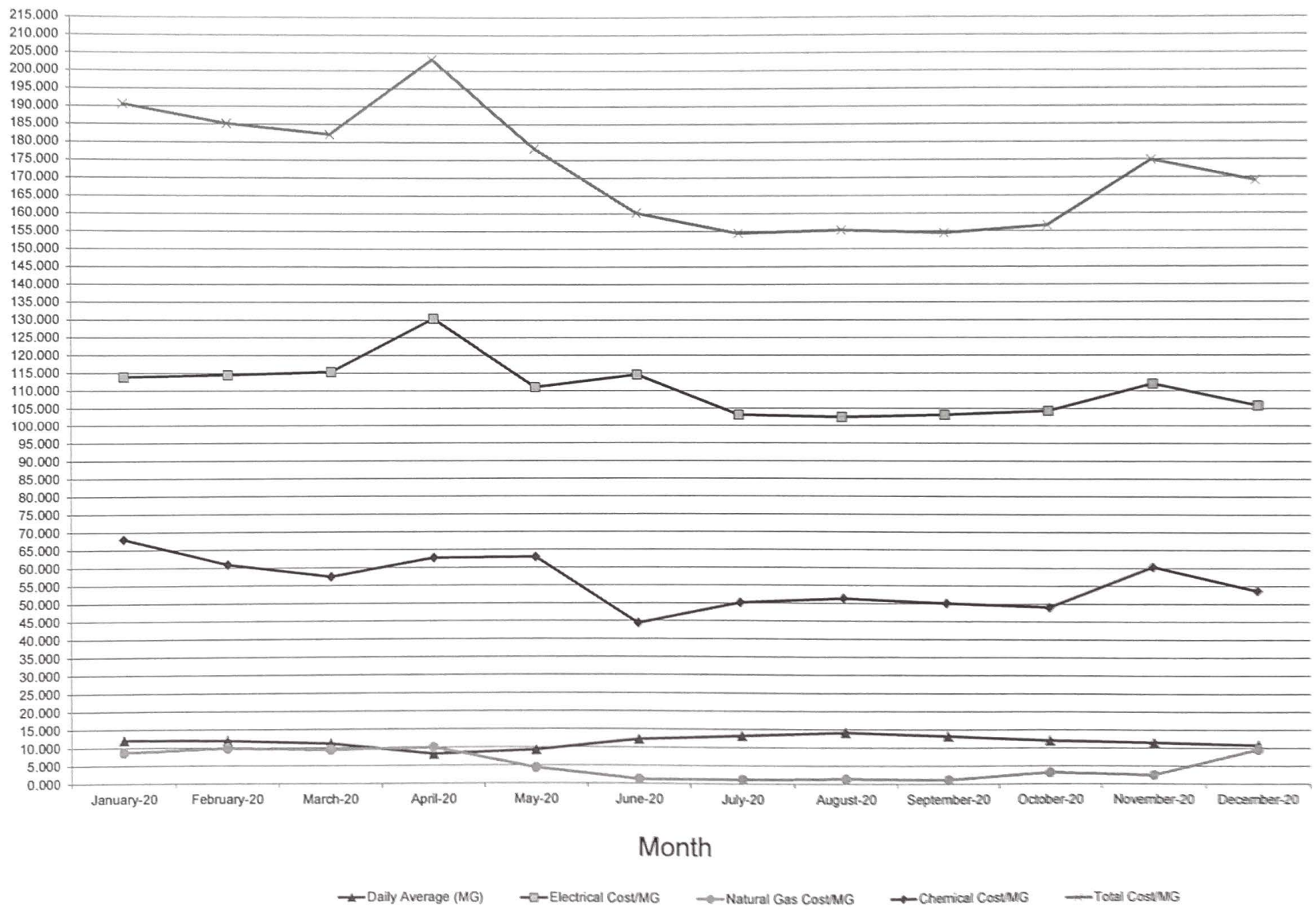
	HIGH LIFT		LOW LIFT	
	2019	2020	2019	2020
Tot. Pump	326.996	332.806	329.626	334.920
Daily Ave.	10.548	10.736	10.633	10.804
Max. Day	12.797	13.870	12.732	13.553
Min. Day	7.479	6.636	7.214	6.272
By Nat. Gas	4.263	0.000	2.565	0.000
Power KWH	268,172	275,369	60,578	62,761
Gals/KWH	1203	1209	5399	5336
Cost/KWH	\$0.07819	\$0.06922	*****	*****
Cost/MG	\$64.12	\$57.27	\$14.37	\$12.97
Tot. Cost/MG	\$128.01	\$106.92	*****	*****

HIGH LIFT DELIVERY		QUARTERLY REPORT		2020	
I. FIRST QUARTER		Jan - Feb - Mar			
		GALLONS	COST \$	\$/MG	
	2019	1,111,503,000	\$217,156.22	\$195.37	
	2020	1,061,714,000	\$197,921.94	\$186.42	
	Percent Difference	-4.48%	-8.86%	-4.58%	
II. SECOND QUARTER		Apr - May - Jun			
		GALLONS	COST \$	\$/MG	
	2019	1,132,902,000	\$192,754.83	\$170.14	
	2020	893,284,000	\$159,034.60	\$178.03	
	Percent Difference	-21.15%	-17.49%	4.64%	
III. THIRD QUARTER		Jul - Aug - Sep			
		GALLONS	COST \$	\$/MG	
	2019	1,240,316,000	\$202,724.19	\$163.45	
	2020	1,243,023,000	\$192,566.59	\$154.92	
	Percent Difference	0.22%	-5.01%	-5.22%	
IV. FOURTH QUARTER		Oct - Nov - Dec			
		GALLONS	COST \$	\$/MG	
	2019	1,040,997,000	\$204,391.07	\$196.34	
	2020	1,048,003,000	\$174,953.96	\$166.94	
	Percent Difference	0.67%	-14.40%	-14.97%	
YEAR TO DATE : 2020					
		GALLONS	COST \$	\$/MG	
ELECTRICITY CHEMICALS NATURAL GAS	2019	4,525,718,000	\$817,026.31	\$180.53	
	2020	4,246,024,000	\$724,477.09	\$170.62	
	Percent Difference	-6.18%	-11.33%	-5.49%	
YEAR TO DATE : 2020					
		GALLONS	COST \$		
SLUDGE DISPOSAL to WWTP	2019	5,430,249	\$38,471.09		
	2020	4,763,025	\$23,868.78		
	Percent Difference	-12.29%	-37.96%		
STORM WATER CHARGES	2020	NA	\$0.00		
HIGH LIFT SYSTEM DELIVERY :					
	Maximum Pumpage Day	16,469,000	August 27, 2020		
	Minimum Pumpage Day	8,396,000	January 1, 2020		

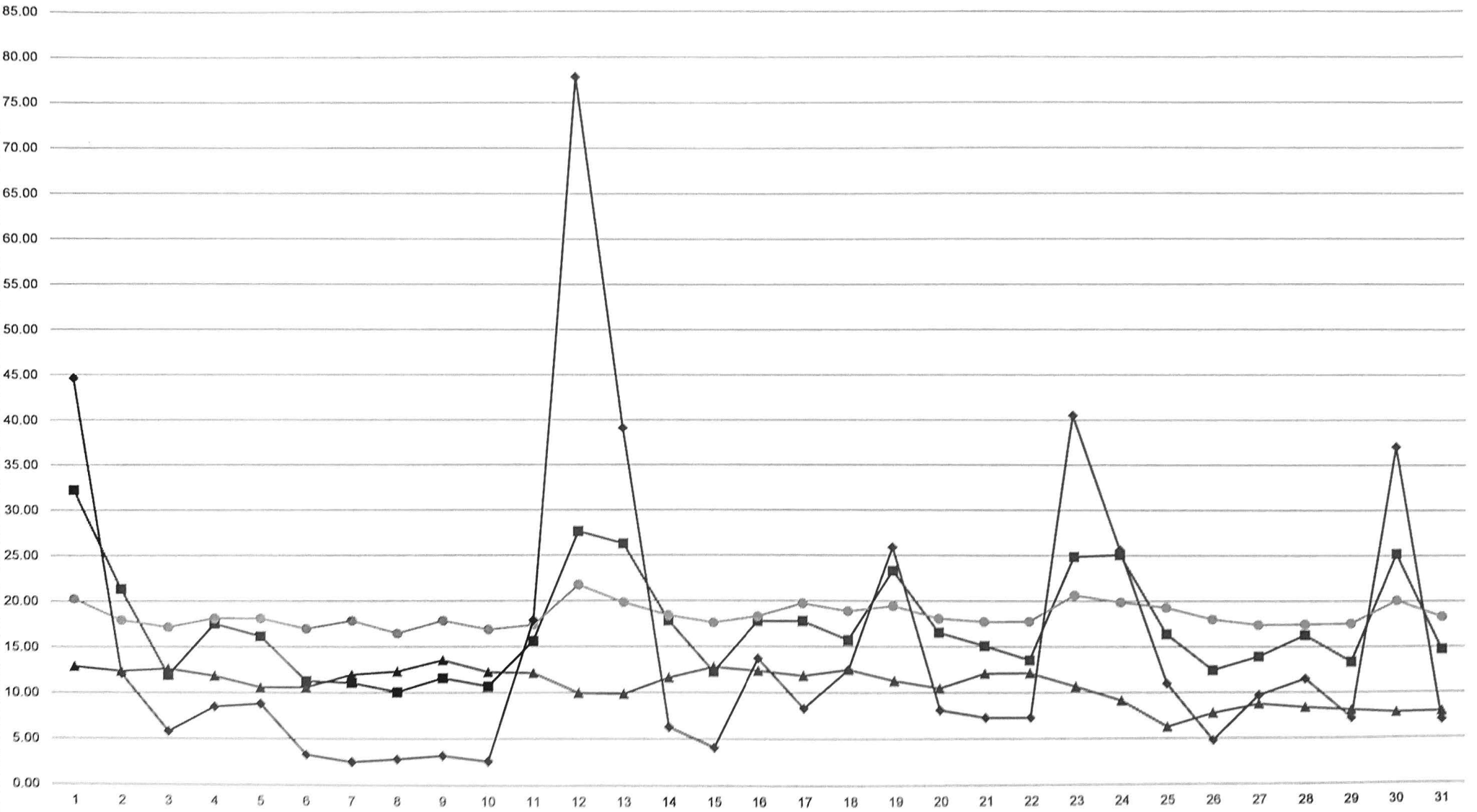
	MG	\$	\$/MG
2019	4,525,718,000	\$817,026.31	\$180.53
2020	4,246,024,000	\$724,477.09	\$170.62

NOTE: Monthly sludge disposal costs do not reflect the current actual monthly sludge discharge total to date.
 Filtrate discharges from Spring/Fall sludge disposal operations are included in treatment plant sludge disposal costs.
 Spring/Fall basin sludge/residual solids volumes and disposal costs are contract work.
 Sludge disposal costs are not included in \$/MG.

Plant Operations: Expense Report



December 2020: Sheboygan Water Utility Plant Operations Summary



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

Scaling
Alum (X.10)

Filter Plant Maintenance Completed For December 2020

Subject	StartDate	EndDate	Description	Yellow indicates days operating or running labs
Maintenance Shop	1-Dec-20		Begin cleaning up maintenance shop and tooling.	
EE Booster Pit	1-Dec-20		Meet Specht at EE booster to inspect pump failure.	
South Basin Floc 3	1-Dec-20		Install new bearing and spindle on floc train 3.	
South Basin Floc 2	1-Dec-20		Install new idler bearing on floc train 2.	
South Basin	1-Dec-20		Inspect and lubricate floc chains and idlers.	
South Basin	1-Dec-20		Inspect basin flocculator bearings, install new grease fittings, and lubricate where applicable.	
Maintenance Shop	2-Dec-20		Finish cleaning maintenance shop and tooling.	
Poly Feed Room Light	2-Dec-20		Install new LED light in poly feed area.	
East Basin D Sample Line	2-Dec-20		Flush East basin D sample line.	
South Basin Auger System	2-Dec-20		Grease auger motor, chain saddle bearing, and install new grease fitting.	
South Basin Auger Chain	2-Dec-20		Remove bolts, install larger washers, and re-tension system.	
Filter Hall and South Basin	2-Dec-20		Clean floor (1st pass).	
Motion for bearings	3-Dec-20		Motion industries for bearing information	
installed light cover	4-Dec-20		New light cover by pipe gallery entrance	
Honold	4-Dec-20		Honold for light fixture	
sample wilgus	4-Dec-20		Sample from wilgus	
garbage	4-Dec-20		Removed garbage from filter plant	
Hall Sample Jars	7-Dec-20		Clean sample jars and sample lines.	
Maintenance Shop and Filter Hall	7-Dec-20		Vacuum filter hall switch gears, windows, doors, and maintenance shop.	
Filter Hall	7-Dec-20		Clean filter hall floor, old rapid mix floor, and hypo room.	
South Basin	7-Dec-20		Finish cleaning south basin floor and railings.	
Monday Meeting	7-Dec-20		Topics include coverage, operations heater, lab sampling, etc.	
Distribution Sampling	7-Dec-20		Collect distribution samples and inspect remote stations.	
Garbage and Heaters	7-Dec-20		Empty plant garbage's and return small heaters back into carbon room.	
Assisted Honold with heater	7-Dec-20		Assisted aldag honold with the lab heater	
South Basin analyzers	7-Dec-20		Cleaned south basin swan hypo analyzers	
Georgia pump station	8-Dec-20		Worked on installing new water line in pump station basement	
Honold	8-Dec-20		Parts run to Honold for Georgia pump station	
Menards	8-Dec-20		Purchase alcohol for lab and kitchen supplies, and price for refrigerator.	
Georgia pump station	9-Dec-20		Installed new water line	
Raw water meeting	9-Dec-20		Attended raw water intake meeting online	
Georgia dog house	9-Dec-20		Helped install door at Georgia dog house	
South Basin	10-Dec-20		Adjust South basin fan belts, lube bearings, and replace South East belt.	
East Basin Flocc.	10-Dec-20		Install new belts, lube U-joints, and check internals on NE, NW, SE, and SW floc drives.	
New Refrigerator	10-Dec-20		Research new refrigerator for operations department.	
Horizon, Wilgus, and Erie	11-Dec-20		Recalibrate hypo meter at horizon, check Erie, and grab sample at Wilgus.	
Trillings	11-Dec-20		Purchase grease fittings, rags, hose, and misc.	

December 2020

Menards	11-Dec-20		Purchase door check, squeegees, and misc.
Dan Lab Cover	11-Dec-20	11-Dec-20	Dan covered the lab for Eric.
Garbages	11-Dec-20		Throw trash, bio-waste, and recyclable out.
South Basin Bathroom and Ops	11-Dec-20		Clean South basin bathroom and operations.
Dan covid leave	14-Dec-20	18-Dec-20	Dan on covid leave
Josh covid leave	14-Dec-20	18-Dec-20	Josh on covid leave
Dan Covid leave	21-Dec-20	23-Dec-20	Dan on covid leave
Josh covid leave	21-Dec-20	23-Dec-20	Josh on covid leave
Christmas Holiday	24-Dec-20		Holiday
Meter shop garage door	28-Dec-20		Garage door not opening, located switch on side wall, door opens now
Flash mix sump pump	28-Dec-20		New sump pump installed and dielectric grease on terminals
Wilgus door alarm	28-Dec-20		Fixed, unscrewed and cleaned door terminals, alarm works
Erie and Taylor reagents	28-Dec-20		Replaced reagents at Erie pump station, Taylor hill still good
Honold	28-Dec-20		Honold for new sump pump (M-98-D pump model)
Josh covid leave	28-Dec-20	28-Dec-20	Josh on covid leave
Alum Bulk Storage Heater	29-Dec-20		Diagnose and disassemble heater for repair; broken exhaust fan, blade, and housing.
Honeywell Chart Plotter	29-Dec-20		Repair Honeywell chart plotter; paper wheel stub is marginal.
Office Chair	29-Dec-20		Assemble office chair
Snow removal	30-Dec-20		Filter plant snow removal
Filter plant paperwork	30-Dec-20		Ordering heater parts
Low Lift Light	30-Dec-20		Install new L.E.D. light above 9 switch gear.
New years holiday	31-Dec-20		Holiday

REQUISITION

SHEBOYGAN WATER UTILITY

REQUISITION DATE 01/13/2021

VENDOR: BADGER METER INC
 4545 W BROWN DEER RD
 P. O. BOX 245036
 MILWAUKEE WI 53224

SHIP TO 72 Park Ave Sheboygan WI 53081

DATE REQUESTED BY 01/19/2021

REQUISITION NO. 4762

QTY	ITEM #	INVENTORY #	DESCRIPTION	UNIT PRICE	TOTAL PRICE
29			Meter testing, 3" and 4" turbo head assemblies	175.00	5,075.00
4			Meter testing, 6" turbo head assemblies	250.00	1,000.00
			Total Freight \ Misc		
NOTE:				TOTAL	6,075.00

CALL IN PURCHASE ORDER NUMBER _____ PREPARED BY davew
 PHONE NO. 800-616-3837

FAX PURCHASE ORDER _____ REQUESTED BY DW
 FAX NUMBER: 888-371-5982

SEND ORIGINAL PURCHASE ORDER TO VENDOR _____ APPROVED BY _____

ALREADY ORDERED

January 14, 2021

Katie Sommers, CFM
Hazard Mitigation Section Supervisor
Wisconsin Emergency Management
P.O. Box 7865
Madison, WI 53707-7865

RE: Sheboygan Water Utility Match Commitment

Ms. Sommers-

Sheboygan Water Utility recognizes its financial commitment for the proposed subgrant application under FEMA's FY 2020 Building Resilient Infrastructure and Communities (BRIC) grant program. Should the project be selected for funding, the Sheboygan Water Utility commits to the required 26% non-federal match to ensure the successful completion of this project.

Respectfully,

Joe Trueblood, PE
Superintendent

December 30, 2020

Joe Trueblood, Water Utility Superintendent
Sheboygan Water Utility
72 Park Ave.
Sheboygan WI 53081

Subject: **Certification of Community Water System Risk and Resilience Assessment in Compliance with America's Water Infrastructure Act of 2018**
Sheboygan, Wisconsin, Public Water System Identification Number: 46003540
AECOM Project No. 60634388

Dear Mr. Trueblood:

This letter is to certify that AECOM Technical Services assisted the Sheboygan Water Utility in completing the 2020 Risk and Resiliency Assessment (RRA). The RRA was completed in compliance with America's Water Infrastructure Act (AWIA) of 2018 using the general guidance of industry standard American Water Works Association (AWWA) J100 methodology.

The Sheboygan Water Utility, in conjunction with AECOM, conducted an assessment of the risks to, and resiliency of, its potable water system. The assessment included investigation into the:

- Risk to the system from malevolent acts and natural hazards
- Resilience of system components
- Monitoring practices of the system
- Financial infrastructure of the system
- Use, storage, and handling of various chemicals by the system
- Operation and maintenance of the system, including water utility staff

The RRA included review of the distribution system, water supply and intake, water treatment facility, storage and pumping facilities, electronic, computer, and other automated systems, treatment systems, financial assets, and human assets.

An evaluation of capital and operational improvements to mitigate risks and improve resilience was conducted for the system. The key findings will be incorporated in the Emergency Response Plan.

Sincerely,

AECOM



Angel Gebeau, P.E.
RRA Task Facilitator
angel.gebeau@aecom.com

cc: Bill Swearingen, Sheboygan Water Utility Operations Supervisor



To: Joe Trueblood, Utility Superintendent
From: Dave McMillan, Distribution Supervisor
Subject: Bell Avenue Water Service Replacements

The Water Utility will need to contract with a plumber to replace four water services at the dwellings on the north side of Bell Avenue between North 5th and North 6th streets. The services will be disrupted as part of a sanitary sewer project that the Department of Public Works will be completing on this block. The water service replacements are not expected to exceed \$25,000 and are anticipated to be relaced ahead of the sewer replacement project to avoid placing homes on a temporary water supply. This project will be covered under the Sheboygan Water Utility Lead Service grant and loan program.

Board of Water Commissioners Approval Request - 2021

Cost Estimates for Water Main Installation:

Item	Footage	Water Main Size	Project Location	Estimated Construction Cost	Amount to be paid by Utility	Amount to be paid by City *	Net Cost to Utility
1	2800	12"	Georgia Avenue- South 8th Street to South 14th Street	\$1,243,730	\$1,243,730	\$0	\$1,243,730
2	4300	12"	Riverdale to Stahl Road Upsize	\$60,000	\$60,000	\$0	\$60,000
3	1400	20"	Behren Parkway Transmission Main Extension	\$150,000	\$150,000	\$0	\$150,000
Totals:				\$1,453,730	\$1,453,730	\$0	\$1,453,730

Notes:

Item #1: Net cost to Utility will be reduced by about **\$353,680** after water lateral loans are paid and grant money is used.

Estimated costs include hydrants, valves, fittings, and service replacements.

Estimated costs do not include design, staking, or inspection costs.

To: Joe Trueblood, Utility Superintendent
From: Dave McMillan, Distribution Supervisor
Subject: Stonebrook Crossing Subdivision Water Main Upsize Cost

As part of the new Stonebrook Crossing Subdivision development, the developer is installing 8" water main to service the subdivision. The location of this new water main gives the Water Utility an opportunity to tie two large transmission mains together as part of its long-term plan. The Utility will pay the difference in cost to upsize the 8" water main to 16" water main as per the agreement with the developer and in conformance with local ordinance. The cost for the upsize is well below the normal cost of installing 16" watermain. See upsize pricing below:

Lineal Feet of 16" Water Main:	Per Foot Upsize Charge:	Total Cost:
2,655	\$51.13	\$135,743.00