November 2022

OPERATIONS' DEPARTMENT MONTHLY REPORT

	HIGH	LIFT	LOW	/ LIFT	2022 VS 202
PUMPAGE	2021	2022	2021	2022	HL
Total in MG	345.043	340.745	351.585	355.420	-1.25%
Daily Average (MG)	11.501	11.376	11.720	11.847	
Max. Day (MG)	13.408	12.913	13.862	14.122	2022 VS 2020
Gal/KwH	4.007	4.000	4.050	4.054	HL 4.00%
Gal/KWH	1,207	1,206	4,950	4,951	-1.20%
ELECTRICAL COSTS					
Dumming	2021 KwH	\$	KwH	2022	
. Pumping: High Lift	285,951	\$19,661.78	279,759	\$ \$21,140.83	
Low Lift	71,031	\$4,884.04	71,305	\$5,388.38	
Wash Pump 1	2,800	\$192.53	2,800	\$211.59	
Occasio Ot Bata	40,500	£4.007.00	55,000	ΦE 000 04	
Georgia St. Bstr. Wilgus Ave. Bstr.	46,500 3,100	\$4,297.29 \$379.76	55,800 3,200	\$5,209.04 \$431.30	
EE Pit / Bstr.	3,473	\$413.28	5,418	\$697.38	
Erie Ave. Bstr.	0,470	\$2,144.10	16,000	\$2,259.52	\$/KwH
Sub Total	412,855	\$31,972.78	434,282	\$35,338.04	5.1%
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3. Treat./Fiscal/Misc.	KwH	\$	KwH	\$	
Office & Maint. Bldg.	5,671	\$630.74	4,764	\$621.89	
ilter Plant / Pump Station / 2nd Service	49,818	\$5,249.50	55,736	\$6,530.20	
					\$/KwH
Sub Total	55,489	\$5,880.24	60,500	\$7,152.09	11.6%
. Distribution:	KwH	\$	KwH	\$	
Taylor Hill Tank	1,431	\$182.92	2,019	\$275.91	
Kohler Meter Pit	0	\$0.00	0	\$0.00	
EE Tower	1,746	\$219.12	1,232	\$175.77	
Washington (PRV) Pit	587	\$89.89	301	\$59.90	
Sub Total	3.764	\$491.93	3.552	\$511.58	\$/KwH
Sub Total Total Electrical Costs	3,764 472,108	\$491.93 \$38,344.95	3,552 498,334	\$511.58 \$43,001.71	\$/KwH 6.2%
		·	,		•
Total Electrical Costs	472,108	\$38,344.95 \$111.13	498,334	\$43,001.71 \$126.00	•
Total Electrical Costs Electrical Cost / MG	472,108	\$38,344.95 \$111.13	498,334	\$43,001.71 \$126.00 2022	•
Total Electrical Costs Electrical Cost / MG IATURAL GAS COSTS	472,108 2021 CCF Used	\$38,344.95 \$111.13 Cost	498,334 CCF Used	\$43,001.71 \$126.00 2022 Cost	•
Total Electrical Costs Electrical Cost / MG IATURAL GAS COSTS Production Facility	2021 CCF Used 1,324	\$38,344.95 \$111.13 Cost \$1,038.88	498,334 CCF Used 2,099	\$43,001.71 \$126.00 2022 Cost \$2,033.58	•
Total Electrical Costs Electrical Cost / MG ATURAL GAS COSTS Production Facility South Basin	2021 CCF Used 1,324 2,224	\$38,344.95 \$111.13 Cost \$1,038.88 \$1,911.20	498,334 CCF Used 2,099 2,226	\$43,001.71 \$126.00 2022 Cost \$2,033.58 \$2,163.29	•
Total Electrical Costs Electrical Cost / MG ATURAL GAS COSTS Production Facility South Basin Georgia St. Bstr.	2021 CCF Used 1,324 2,224 26	\$38,344.95 \$111.13 Cost \$1,038.88 \$1,911.20 \$38.76	498,334 CCF Used 2,099	\$43,001.71 \$126.00 2022 Cost \$2,033.58	
Total Electrical Costs Electrical Cost / MG IATURAL GAS COSTS Production Facility South Basin Georgia St. Bstr. Erie Ave. Bstr.	2021 CCF Used 1,324 2,224 26 188	\$38,344.95 \$111.13 Cost \$1,038.88 \$1,911.20 \$38.76 \$188.99	CCF Used 2,099 2,226 23	\$43,001.71 \$126.00 2022 Cost \$2,033.58 \$2,163.29 \$34.97	
Total Electrical Costs Electrical Cost / MG IATURAL GAS COSTS Production Facility South Basin Georgia St. Bstr.	2021 CCF Used 1,324 2,224 26	\$38,344.95 \$111.13 Cost \$1,038.88 \$1,911.20 \$38.76	498,334 CCF Used 2,099 2,226	\$43,001.71 \$126.00 2022 Cost \$2,033.58 \$2,163.29	
Total Electrical Costs Electrical Cost / MG IATURAL GAS COSTS Production Facility South Basin Georgia St. Bstr. Erie Ave. Bstr. Wilgus Ave. Bstr.	2021 CCF Used 1,324 2,224 26 188	\$38,344.95 \$111.13 Cost \$1,038.88 \$1,911.20 \$38.76 \$188.99 \$19.91	CCF Used 2,099 2,226 23 5	\$43,001.71 \$126.00 2022 Cost \$2,033.58 \$2,163.29 \$34.97 \$20.21	6.2%
Total Electrical Costs Electrical Cost / MG IATURAL GAS COSTS Production Facility South Basin Georgia St. Bstr. Erie Ave. Bstr. Wilgus Ave. Bstr. Office & Maint. Bldg.	2021 CCF Used 1,324 2,224 26 188 4 791	\$38,344.95 \$111.13 Cost \$1,038.88 \$1,911.20 \$38.76 \$188.99 \$19.91 \$702.39	CCF Used 2,099 2,226 23 5 821	\$43,001.71 \$126.00 2022 Cost \$2,033.58 \$2,163.29 \$34.97 \$20.21 \$791.60	6.2% \$/CCF
Total Electrical Costs Electrical Cost / MG IATURAL GAS COSTS Production Facility South Basin Georgia St. Bstr. Erie Ave. Bstr. Wilgus Ave. Bstr. Office & Maint. Bldg. Total Natural Gas Costs	2021 CCF Used 1,324 2,224 26 188 4 791	\$38,344.95 \$111.13 Cost \$1,038.88 \$1,911.20 \$38.76 \$188.99 \$19.91 \$702.39 \$3,900.13 \$11.30	498,334 CCF Used 2,099 2,226 23 5 821 5,174	\$43,001.71 \$126.00 2022 Cost \$2,033.58 \$2,163.29 \$34.97 \$20.21 \$791.60 \$5,043.65 \$14.78	6.2% \$/CCF
Total Electrical Costs Electrical Cost / MG IATURAL GAS COSTS Production Facility South Basin Georgia St. Bstr. Erie Ave. Bstr. Wilgus Ave. Bstr. Office & Maint. Bldg. Total Natural Gas Costs Natural Gas Cost / MG	2021 CCF Used 1,324 2,224 26 188 4 791 335	\$38,344.95 \$111.13 Cost \$1,038.88 \$1,911.20 \$38.76 \$188.99 \$19.91 \$702.39 \$3,900.13	CCF Used 2,099 2,226 23 5 821 5,174	\$43,001.71 \$126.00 2022 Cost \$2,033.58 \$2,163.29 \$34.97 \$20.21 \$791.60 \$5,043.65 \$14.78	6.2% \$/CCF
Total Electrical Costs Electrical Cost / MG IATURAL GAS COSTS Production Facility South Basin Georgia St. Bstr. Erie Ave. Bstr. Wilgus Ave. Bstr. Office & Maint. Bldg. Total Natural Gas Costs Natural Gas Cost / MG CHEMICAL COSTS	2021 CCF Used 1,324 2,224 26 188 4 791 335 2021 Lbs. Used	\$38,344.95 \$111.13 Cost \$1,038.88 \$1,911.20 \$38.76 \$188.99 \$19.91 \$702.39 \$3,900.13 \$11.30	CCF Used 2,099 2,226 23 5 821 5,174 Lbs. Used	\$43,001.71 \$126.00 2022 Cost \$2,033.58 \$2,163.29 \$34.97 \$20.21 \$791.60 \$5,043.65 \$14.78	\$/CCF -91.6%
Total Electrical Costs Electrical Cost / MG IATURAL GAS COSTS Production Facility South Basin Georgia St. Bstr. Erie Ave. Bstr. Wilgus Ave. Bstr. Office & Maint. Bldg. Total Natural Gas Costs Natural Gas Cost / MG	2021 CCF Used 1,324 2,224 26 188 4 791 335	\$38,344.95 \$111.13 Cost \$1,038.88 \$1,911.20 \$38.76 \$188.99 \$19.91 \$702.39 \$3,900.13	CCF Used 2,099 2,226 23 5 821 5,174	\$43,001.71 \$126.00 2022 Cost \$2,033.58 \$2,163.29 \$34.97 \$20.21 \$791.60 \$5,043.65 \$14.78	6.2% \$/CCF
Total Electrical Costs Electrical Cost / MG ATURAL GAS COSTS Production Facility South Basin Georgia St. Bstr. Erie Ave. Bstr. Wilgus Ave. Bstr. Office & Maint. Bldg. Total Natural Gas Costs Natural Gas Cost / MG CHEMICAL COSTS Alum	2021 CCF Used 1,324 2,224 26 188 4 791 335 2021 Lbs. Used 59,811	\$38,344.95 \$111.13 Cost \$1,038.88 \$1,911.20 \$38.76 \$188.99 \$19.91 \$702.39 \$3,900.13 \$11.30 Cost \$8,463.26	CCF Used 2,099 2,226 23 5 821 5,174 Lbs. Used 52,492	\$43,001.71 \$126.00 2022 Cost \$2,033.58 \$2,163.29 \$34.97 \$20.21 \$791.60 \$5,043.65 \$14.78 2022 Cost \$9,527.30	\$/CCF -91.6%
Total Electrical Costs Electrical Cost / MG ATURAL GAS COSTS Production Facility South Basin Georgia St. Bstr. Erie Ave. Bstr. Wilgus Ave. Bstr. Office & Maint. Bldg. Total Natural Gas Costs Natural Gas Cost / MG CHEMICAL COSTS Alum Carbon Chlorine Fluoride	2021 CCF Used 1,324 2,224 26 188 4 791 335 2021 Lbs. Used 59,811	\$38,344.95 \$111.13 Cost \$1,038.88 \$1,911.20 \$38.76 \$188.99 \$19.91 \$702.39 \$3,900.13 \$11.30 Cost \$8,463.26 \$0.00	CCF Used 2,099 2,226 23 5 821 5,174 Lbs. Used 52,492 0	\$43,001.71 \$126.00 2022 Cost \$2,033.58 \$2,163.29 \$34.97 \$20.21 \$791.60 \$5,043.65 \$14.78 2022 Cost \$9,527.30 \$0.00	\$/CCF -91.6%
Total Electrical Costs Electrical Cost / MG IATURAL GAS COSTS Production Facility South Basin Georgia St. Bstr. Erie Ave. Bstr. Wilgus Ave. Bstr. Office & Maint. Bldg. Total Natural Gas Costs Natural Gas Cost / MG CHEMICAL COSTS Alum Carbon Chlorine Fluoride KMnO4	2021 CCF Used 1,324 2,224 26 188 4 791 335 2021 Lbs. Used 59,811 0 6,095 1,669 16	\$38,344.95 \$111.13 Cost \$1,038.88 \$1,911.20 \$38.76 \$188.99 \$19.91 \$702.39 \$3,900.13 \$11.30 Cost \$8,463.26 \$0.00 \$4,205.55 \$1,814.20 \$56.98	498,334 CCF Used 2,099 2,226 23 5 821 5,174 Lbs. Used 52,492 0 5,996 1,652 0	\$43,001.71 \$126.00 2022 Cost \$2,033.58 \$2,163.29 \$34.97 \$20.21 \$791.60 \$5,043.65 \$14.78 2022 Cost \$9,527.30 \$0.00 \$8,874.08 \$2,296.28 \$0.00	\$/CCF -91.6% 28.3% #DIV/0! 114.5% 27.9% #DIV/0!
Total Electrical Costs Electrical Cost / MG Electrical Cost / MG Electrical Cost / MG Electrical Cost / MG End Cost / MG End Cost / MG Erie Ave. Bstr. Wilgus Ave. Bstr. Office & Maint. Bldg. Total Natural Gas Costs Natural Gas Cost / MG CHEMICAL COSTS Alum Carbon Chlorine Fluoride KMnO4 Cationic Polymer	2021 CCF Used 1,324 2,224 26 188 4 791 335 2021 Lbs. Used 59,811 0 6,095 1,669 16	\$38,344.95 \$111.13 Cost \$1,038.88 \$1,911.20 \$38.76 \$188.99 \$19.91 \$702.39 \$3,900.13 \$11.30 Cost \$8,463.26 \$0.00 \$4,205.55 \$1,814.20 \$56.98 \$0.00	498,334 CCF Used 2,099 2,226 23 5 821 5,174 Lbs. Used 52,492 0 5,996 1,652 0 0	\$43,001.71 \$126.00 2022 Cost \$2,033.58 \$2,163.29 \$34.97 \$20.21 \$791.60 \$5,043.65 \$14.78 2022 Cost \$9,527.30 \$0.00 \$8,874.08 \$2,296.28 \$0.00 \$0.00	\$/CCF -91.6% 28.3% #DIV/0! 114.5% 27.9% #DIV/0! #DIV/0!
Total Electrical Costs Electrical Cost / MG Electrical Cost / MG Electrical Cost / MG Froduction Facility South Basin Georgia St. Bstr. Erie Ave. Bstr. Wilgus Ave. Bstr. Office & Maint. Bldg. Total Natural Gas Costs Natural Gas Cost / MG CHEMICAL COSTS Alum Carbon Chlorine Fluoride KMnO4 Cationic Polymer Liquid Phosphate	2021 CCF Used 1,324 2,224 26 188 4 791 335 2021 Lbs. Used 59,811 0 6,095 1,669 16	\$38,344.95 \$111.13 Cost \$1,038.88 \$1,911.20 \$38.76 \$188.99 \$19.91 \$702.39 \$3,900.13 \$11.30 Cost \$8,463.26 \$0.00 \$4,205.55 \$1,814.20 \$56.98 \$0.00 \$3,893.29	498,334 CCF Used 2,099 2,226 23 5 821 5,174 Lbs. Used 52,492 0 5,996 1,652 0	\$43,001.71 \$126.00 2022 Cost \$2,033.58 \$2,163.29 \$34.97 \$20.21 \$791.60 \$5,043.65 \$14.78 2022 Cost \$9,527.30 \$0.00 \$8,874.08 \$2,296.28 \$0.00 \$6,269.39	\$/CCF -91.6% 28.3% #DIV/0! 114.5% 27.9% #DIV/0! #DIV/0! 19.4%
Total Electrical Costs Electrical Cost / MG Electrical Cost / MG ATURAL GAS COSTS Production Facility South Basin Georgia St. Bstr. Erie Ave. Bstr. Wilgus Ave. Bstr. Office & Maint. Bldg. Total Natural Gas Costs Natural Gas Cost / MG CHEMICAL COSTS Alum Carbon Chlorine Fluoride KMnO4 Cationic Polymer Liquid Phosphate Total Chemical Costs	2021 CCF Used 1,324 2,224 26 188 4 791 335 2021 Lbs. Used 59,811 0 6,095 1,669 16	\$38,344.95 \$111.13 Cost \$1,038.88 \$1,911.20 \$38.76 \$188.99 \$19.91 \$702.39 \$3,900.13 \$11.30 Cost \$8,463.26 \$0.00 \$4,205.55 \$1,814.20 \$56.98 \$0.00 \$3,893.29 \$18,433.28	498,334 CCF Used 2,099 2,226 23 5 821 5,174 Lbs. Used 52,492 0 5,996 1,652 0 0	\$43,001.71 \$126.00 2022 Cost \$2,033.58 \$2,163.29 \$34.97 \$20.21 \$791.60 \$5,043.65 \$14.78 2022 Cost \$9,527.30 \$0.00 \$8,874.08 \$2,296.28 \$0.00 \$6,269.39 \$26,967.05	\$/CCF -91.6% 28.3% #DIV/0! 114.5% 27.9% #DIV/0! #DIV/0!
Total Electrical Costs Electrical Cost / MG IATURAL GAS COSTS Production Facility South Basin Georgia St. Bstr. Erie Ave. Bstr. Wilgus Ave. Bstr. Office & Maint. Bldg. Total Natural Gas Costs Natural Gas Cost / MG CHEMICAL COSTS Alum Carbon Chlorine Fluoride KMnO4 Cationic Polymer Liquid Phosphate	2021 CCF Used 1,324 2,224 26 188 4 791 335 2021 Lbs. Used 59,811 0 6,095 1,669 16	\$38,344.95 \$111.13 Cost \$1,038.88 \$1,911.20 \$38.76 \$188.99 \$19.91 \$702.39 \$3,900.13 \$11.30 Cost \$8,463.26 \$0.00 \$4,205.55 \$1,814.20 \$56.98 \$0.00 \$3,893.29	498,334 CCF Used 2,099 2,226 23 5 821 5,174 Lbs. Used 52,492 0 5,996 1,652 0 0	\$43,001.71 \$126.00 2022 Cost \$2,033.58 \$2,163.29 \$34.97 \$20.21 \$791.60 \$5,043.65 \$14.78 2022 Cost \$9,527.30 \$0.00 \$8,874.08 \$2,296.28 \$0.00 \$6,269.39	\$/CCF -91.6% 28.3% #DIV/0! 114.5% 27.9% #DIV/0! #DIV/0! 19.4%
Total Electrical Costs Electrical Cost / MG IATURAL GAS COSTS Production Facility South Basin Georgia St. Bstr. Erie Ave. Bstr. Wilgus Ave. Bstr. Office & Maint. Bldg. Total Natural Gas Costs Natural Gas Cost / MG CHEMICAL COSTS Alum Carbon Chlorine Fluoride KMnO4 Cationic Polymer Liquid Phosphate Total Chemical Costs	2021 CCF Used 1,324 2,224 26 188 4 791 335 2021 Lbs. Used 59,811 0 6,095 1,669 16	\$38,344.95 \$111.13 Cost \$1,038.88 \$1,911.20 \$38.76 \$188.99 \$19.91 \$702.39 \$3,900.13 \$11.30 Cost \$8,463.26 \$0.00 \$4,205.55 \$1,814.20 \$56.98 \$0.00 \$3,893.29 \$18,433.28	498,334 CCF Used 2,099 2,226 23 5 821 5,174 Lbs. Used 52,492 0 5,996 1,652 0 0	\$43,001.71 \$126.00 2022 Cost \$2,033.58 \$2,163.29 \$34.97 \$20.21 \$791.60 \$5,043.65 \$14.78 2022 Cost \$9,527.30 \$0.00 \$8,874.08 \$2,296.28 \$0.00 \$6,269.39 \$26,967.05	\$/CCF -91.6% 28.3% #DIV/0! 114.5% 27.9% #DIV/0! #DIV/0! 19.4%

YTD HL 2022 vs 2021	-0.34%	YTD HL HIGH DAY PUMPAGE	17.388	July 19, 2022
YTD HL 2022 vs 2020	5.03%	YTD HL LOW DAY PUMPAGE	7.138	November 25, 2022

Electrical costs include an Alliant Energy 8.3% rate increase approved by PSC. all WPS bills available.

		YTD HL Ave Day
	2022	12.426
Not	2021	12.537
	2020	11.724

COMPARATIVE SUMMARY OF PLANT OPERATIONS

			November 2021	vs	November 2022	-	
Pumping Record	High	Lift			Low I	_ift	
΄ ઁ Γ	2021	2022	Diff.] [2021	2022	Diff.
Tot. Water in MG	345.043	340.745	-1.25%	Tot. Water in MG	351.585	355.420	1.09%
Daily Average	11.501	11.376	-1.09%	Daily Average	11.720	11.847	1.08%
Maximum Day	13.408	12.913	-3.69%	Maximum Day	13.862	14.122	1.88%
Minimum Day	7.990	7.138	-10.66%	Minimum Day	7.975	7.230	-9.34%
By Natural Gas	0.000	3.932	#DIV/0!	By Natural Gas	0.000	2.418	#DIV/0!
Power in KWH	285,951	279,759	-2.17%	Power in KWH	71,031	71,305	0.39%
Gals. per KWH	1,207	1,206	-0.09%	Gals. per KWH	4,950	4,951	0.02%
Power \$ / KWH	\$0.06876	\$0.07557	9.90%	Power \$ / KWH			
Power \$ / MG	\$56.98	\$61.94	\$4.96	Power \$ / MG	\$13.89	\$15.16	\$1.27
Tot. Power \$/MG	\$105.40	\$126.79	\$21.39	Tot. Power \$/MG			
-							
Freatment Chem.	Lbs. U	Jsed				Cost	
Γotal Lbs.	2021	2022	Diff.	Total Cost	2021	2022	Diff.
Alum	59,811	52,492	-12.24%	Alum	\$8,463.26	\$9,527.30	\$1,064.0
Carbon			#DIV/0!	Carbon	\$0.00	\$0.00	\$0.00
Chlorine	6,095	5,996	-1.62%	Chlorine	\$4,205.55	\$8,874.08	\$4,668.5
KMnO4	16	0	-100.00%	KMnO4	\$56.98	\$0.00	(\$56.98
Polymer	0	0	#DIV/0!	Polymer	\$0.00	\$0.00	\$0.00
Liquid Phosphate	2,945	3,973	34.91%	Liquid Phosphate	\$3,893.29	\$6,269.39	\$2,376.1
_b/ MG:				Cost / MG:			
Alum	170.1	147.7	-13.18%	Alum	\$24.07	\$26.81	\$2.73
Carbon	0.0	0.0	#DIV/0!	Carbon	#DIV/0!	#DIV/0!	#DIV/0!
Chlorine	17.3	16.9	-2.69%	Chlorine	\$11.96	\$24.97	\$13.01
KMnO4	0.0	0.0	-100.00%	KMnO4	\$0.16	#DIV/0!	#DIV/0!
Liquid Phosphate	8.4	11.2	33.45%	Liquid Phosphate	\$11.07	\$17.64	\$6.57
Fluoride:	2021	2022	1	Fluoride:	2021	2022	1
Total Lbs.	1,669	1,652	-1.02%	Cost	\$1,814.20	\$2,296.28	\$482.08
mg/l applied as F	0.69	0.71	-1.0270	Cost/MG	\$5.27	\$6.74	\$1.47
Av. Res. Plt. Tap	0.09	0.75		COST/IVIC	ψ3.21	ψ0.74	Ψ1.47
• •	_		1				
Water Quality:	Ra		1	Г	TAF		7
	2021	2022			2021	2022	
Turbidity	7.60	4.40		Turbidity	0.059	0.035	4
pH	8.23	8.26		pH	7.56	7.63	4
Alkalinity	111.6	112.5		Alkalinity	101.0	102.5	4
MF (E-Coli)	0.5	6.9		Plate Count	0.00	0.00	1
Temperature	44.0	41.2		Colilert	0	0]
Wash-H20 % /LL	2.44	2.66		Temp.	46.4	43.5]
Av. Flt. Run/hrs	116.7	94.5		CI Res.	0.91	0.88]
Av. ROF / MG	1.34	1.40					
Natural Gas:	0004	0000	1	r	0004	0000	D:#
	2021	2022		<u>,</u>	2021	2022	Diff.
Nat. Gas Heating	2,160	3,826	Plant & South Basin	j ļ	\$959.01	\$3,713.23	\$2,754.2
Nat. Gas Pumping	64	499			\$943.83	\$483.64	(\$460.19
Γ	CCF	Cost	Natural Gas Cost	Natural Gas CCF			
#3 Gas Pump	130.2	\$126.14					
#4 Gas Pump	103.5	\$187.17		.,526			

#4 Gas Pump

#7 Gas Pump

Pumping totals

Electric Generator

\$187.47

\$104.15 \$65.88 **\$483.64**

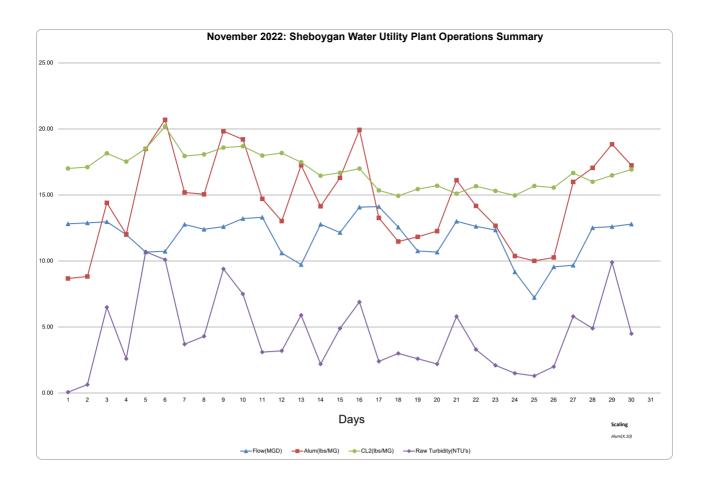
193.5

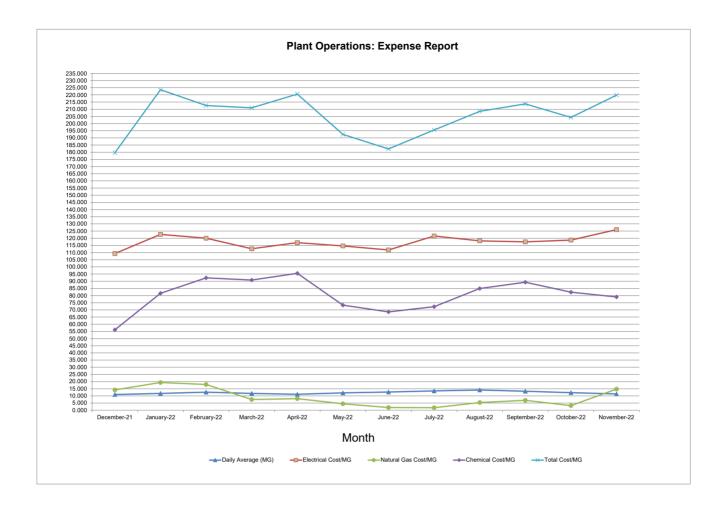
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68.0 **499.2**

November	2022	

	HOVEILIBEI	<u> </u>				_			
		12/1/2022	11/1/2022				12/1/2022	11/1/2022	
% Run	Elapsed Time:					•	•	-	
50.1%	No. 6 Pump	70,127.8	69,755.3	372.5	SLUDGE	No. I Hour Meter	0.0	0.0	0
2.65%	Wash Pump Meter	5,585.98	5,566.28	19.70	SYSTEM	No. 2 Mag Meter	6,720,960	6,302,450	418,510
0.6%	No. 7 Pump	786.3	782.0	4.3		Recycle Meter (Rese	t to zero each mon	th)	418,510
0.0%	No. 8 Pump	59,540.3	59,540.3	0.0				·-	
95.7%	No. 9 Pump	24,014.0	23,302.0	712.0	1				
1.6%	Wash Pump 2	67	55	12	Power Cost	\$0.0755680	Bill >>>>	\$33,189.47	
	No. 1 Prime Pump	1,046.2	1,045.7	0.5	1	0.214225	KWH >>>	439,200	
	No. 2 Prime Pump	1,121.2	1,120.1	1.1	Init. Chg.	\$31,557.20		Low L. KWH	71,305
						\$	KWH	L.L. Cost \$	\$5,388.38
Kw/Hr run	Watthour Meters:				Kohler Pit			High L. KWH	279,759
142.1	Wash Pump 1	1275.1	1271.1	2,800	Horizon	\$269.91	1,862	H.L. Cost \$	\$21,140.83
62.4	No. 9 Pump	5767.83	5723.40	44,425	Taylor	\$275.91	2,019		. ,
#DIV/0!	No. 8 Pump	6837.1	6837.1	0	ALT. 72 Park	\$1,713.80	8,000	Total Cost	\$26,529.21
72.2	No. 6 Pump	1289.2	1193.2	26,880	Geo. Ave.	\$5,209.04	55,800	L	
123.7	Wash Pump 2	6.94	5.703	1,484	Wilgus Ave.	\$431.30	3,200		
#DIV/0!	No. 1 Pump	9309.184	9309.184	0	T EE Pit	\$697.38	5,418		
239.5	No. 2 Pump	4798.854	4788.268	10,586	EE Tower	\$175.77	1,232	Plant Costs	\$6,530.20
298.5	No. 3 Pump	272.831	177.888	94,943	Washington	\$59.90	301		, . ,
#DIV/0!	No. 4 Pump			0	Office	\$621.89	4,764		
479.2	No. 5 Pump	10,921.228	10,746.998	174,230	Erie Ave.	\$2,259.52	16,000		
	,		.,	,	Total	\$43,271.62	516,196		
	Garage (MWatt/Hrs.)	1,076.13	1,071.69	4,440	_	,			
	Power Co. (Step #3)	38,546	38,198	417,600	٦				
	Left Meter - OUTSIDE	30,540	00,100	417,000	_				
	Volume Used:								
	Nat. Gas (Correct)	45,085,211	44,964,842	151,304	SUMMARY				
		<u> </u>				HIGH L	.IFT	LOW LI	IFT
						2021	2022	2021	2022
	Elapsed Time:				Tot. Pump	345.043	341.292	351.585	355.420
	Emer. Generator	1,056.7	1,053.3	3.4	Daily Ave.	11.501	11.376	11.720	11.847
			•		Max. Day	13.408	12.913	13.862	14.122
% Run	Elapsed Time:				Min. Day	7.990	7.138	7.975	7.230
0.0%	No. 1 Pump	17,263.2	17,263.2	0.0	By Nat. Gas	0.000	3.932	0.000	2.418
5.9%	No. 2 Pump	20,482.50	20,438.30	44.20	Power KWH	285,951	279,759	71,031	71,305
42.8%	No. 3 Elec. Pump	949.4	631.3	318.1	Gals/KWH	1207	1206	4950	4951
0.6%	No. 3 Nat. Gas Pump	556.2	552.0	4.2	Cost/KWH	\$0.06876	\$0.07557	*****	*****
0.0%	No. 4 Elec. Pump	0.00	0.00	0.0	Cost/MG	\$56.98	\$61.94	\$13.89	\$15.16
0.6%	No. 4 Nat. Gas Pump	59.0	54.7	4.3	Tot. Cost/MG	\$105.40	\$126.79	*****	*****
48.9%	No. 5. Pump	22,839.140	22,475.570	363.570		-	•	•	•
0.4%	UV Building Generator	134.3	131	3.3					
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Filter Plant Maintenance Completed For November 2022

Subject	StartDate	EndDate	Description Yellow indicates days operating or running labs
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Water Heater (Final)	1-Nov-22		Check for leaks, insulate pipes, label, and clean up area.
Closet and Maintenance Shop	1-Nov-22		Cleanup water heater closet, place items back on shelving, and put maintenance tools away.
Menards	1-Nov-22		Purchase L.E.D. lights, band aids, and 3/8 concrete anchors.
Filter plant trash	1-Nov-22		Removed filter plant trash
Filter 5	1-Nov-22		Drill and tap ¾. hole for sample point.
Filter 3	1-Nov-22		Prepare filter 3 pipe-t for ¾. threaded hole.
Natural Gas Oil Drum	2-Nov-22		Place N/G oil drum into high lift.
Filter 3 Wash	2-Nov-22		Wash filter 3 and collect back wash data.
Filter 3	2-Nov-22		Install new sample point plumbing, clean filter to waste line, and leak check install.
Filter 3	2-Nov-22		Drill and Tap ¾. hole for NTU sample pump.
Home Depot	3-Nov-22		Purchase grout for filter 5.
Erie Ave.	3-Nov-22		Check reagents, inspect engine, turn on heat in electrical room, turn off water heater, etc.
Taylor Hill	3-Nov-22		Replace reagents, walk grounds, adjust NTU meter flow, etc.
Georgia Ave.	3-Nov-22		Check reagents, adjust hypo meter flow, walk grounds, check doghouse.
Horizon Ave.	3-Nov-22		Check reagents, walk grounds, sweep floor; Josh McDonald Mowed.
Dan sick time	3-Nov-22	4-Nov-22	Dan out sick
Menards	4-Nov-22		Purchase LED bulbs, 5/8. hose, small torch, and paint.
Pipe Gallery Light	4-Nov-22		Replace pipe gallery light by south steps.
East Alum Feed	4-Nov-22		Clean pump, re-install fittings, flush lines, etc.
FSO	4-Nov-22		Assist FSO turning valves, acquiring electrical socket, RPZ, insulation blankets, etc.
East Basin	4-Nov-22		Begin draining East basin for Monday service.
East Basin (FSO)	7-Nov-22		Open decant valves, shut outfall, open drain valves, pump water to city, and swap to sludge pump 1 once sludge appeared.
Plant Engines	7-Nov-22		Check oil and coolant in plant NG engines; generator was 1.5 quarts low.
East Basin Valve Repair	7-Nov-22		Remove east basin, south east valve stem for repair.
East SWAN Hypo Meter	7-Nov-22		CLR and clean east SWAN hypo meter.
South Basin	7-Nov-22		Inspect and grease floc idlers, inspect chains, and lube auger motor.
East Basin	8-Nov-22		Setup FSO and collect lab sample.
Menards	8-Nov-22		Purchase ¾. stainless valves and nipples; looked for 24x25x4 filters to no avail.
Auer Steel	8-Nov-22		Purchase 4 new filter 24x25x4 for laboratory furnace.
Dakota Supply Group	8-Nov-22		Purchase new filters for upstairs furnace and inquire about annular bits for Milwaukee drill.
Laboratory Furnace	8-Nov-22		Install new filter, add bleach to evap pump, and check operation.
H.L. Cleaning	8-Nov-22		Move plywood and 2x4's into Jonson shed from H.L.
East Basin Brackets	9-Nov-22		Weld, fabricate, and drill new brackets for East Basin wall repair.
East basin stem removal	9-Nov-22		Removed bottom part of East basin decant valve stem, east side
East Basin Inspection	9-Nov-22		Perform East basin inspection. Found and replaced to door hinges, need to install new 2x6 and brackets for South West wall.
East Basin Sludge Sample	9-Nov-22		Collect East basin sludge sample
East basin wall brace	10-Nov-22		East basin west side, new mid wall brace and mounting brackets installed
East basin bottom wall brackets	10-Nov-22		East basin west side, new floor mounted bracing brackets installed to secure wall
East basin decant stem	10-Nov-22	1	Installed new east basin (east side) decant stem, both upper and lower level
Cleaned maintenance tools	10-Nov-22		Cleaned and organized maintenance tools from east basin repairs
East basin back in service	11-Nov-22		East basin valves and sluice gates closed and basin back in service
West basin shut down	11-Nov-22		Opening decant valves and sluice gates and taking west basin out of service for cleaning
Menards	11-Nov-22	+	Menards for filter plant maintenance items
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Removed plant trash	11-Nov-22		Removed plant trash and cardboard		
UV Reference Check	11-Nov-22		Perform UV reference check and install new dehumidifier pack in UVT% meter.		
Josh covering 3rd shift	14-Nov-22		Josh covering 3rd shift for Jeff.		
West basin Cleaning Prep	14-Nov-22		Prepared west basin and valves for cleaning operations		
Inspected North west basin	14-Nov-22		Inspected north west basin, closed walls and decant boxes, ready for filling		
Inspected central west basin	14-Nov-22		Inspected central west basin, closed doors and decant boxes, ready to fill		
Menards	15-Nov-22		Menards for filter plant maintenance items		
Dakota supply group	15-Nov-22		Dakota supply group for schedule 40 PVC pipe		
Prepared south west basin	15-Nov-22		Prepped south west basin for cleaning operations		
Inspected south west basin	15-Nov-22		Inspected the south portion of the west basin, 2 sections of floc welds broken and 1 pillow block needs replacement		
West basin broken flanges	16-Nov-22		Inspected west basin shaft/flange welds that broke and came up with initial plan to repair in spring		
West basin babbitt bearing	16-Nov-22		West basin (west) babbitt bearing will need replacement in spring		
West basin filling	16-Nov-22		Closed all valves, hatches and started filling west basin		
Cleanup from basin cleaning	16-Nov-22		Putting away and cleaning east/west basin cleaning equipment		
West basin samples	16-Nov-22		West basin samples taken for lab		
Flushed sludge pit valves	16-Nov-22		Flushed 8 and 12 in lines going into sludge pit from backwash basin		
filter media test pipe	16-Nov-22		Starting making filter media test tubes out of PVC pipoe		
West basin back in service	17-Nov-22		Opened effluent valves, closed sluice gates and checked drain valves for leaks, basin back in service		
EE pit cold temp	17-Nov-22		Getting cold temp alarm at plant, went to EE pit and turned heat up		
Collected backwash basin sample	17-Nov-22		Collected back wash basin sample for lab		
Cut core sample tubes	17-Nov-22		Cut 2 inch PVC for core sample tubes		
Dan on vacation	18-Nov-22		Dan on vacation		
Joshua off for Coverage	21-Nov-22		Joshua off for covering 3rd shift.		
finished core sample tubes	21-Nov-22		Finished making media core sample tubes		
Heater Georgia dog house	21-Nov-22		Put new heater in dog house pit, 240V heater and outlet burnt out		
Erie reagents	21-Nov-22		Put new reagents in HACH analyzer at Erie pump station		
Taylor hill heaters	21-Nov-22		Checked Taylor hill pit heaters and dog house heaters and reagents		
Dakota supply group	21-Nov-22		New space heater from Dakota supply group		
Removed trash	21-Nov-22		Removed trash and recyclables from filter plant		
Dan Lab operations and samples	22-Nov-22	22-Nov-22	Covered lab operations and sampling		
South basin cleaning setup	23-Nov-22		Prepped south basin for cleaning on monday		
cleaned old rapid mix area	23-Nov-22		Vacuumed and cleaned up old rapid mix area		
POs and orders	23-Nov-22		Pos and order tracking with Mulcahy Shaw		
Checked plant heaters	23-Nov-22		Checked and set plant heaters in filter area		
Thanks giving Holiday	24-Nov-22	25-Nov-22	Thanks giving holiday		
Utility observed holiday	24-Nov-22	25-Nov-22	Utility observed holiday		
Filter 5	28-Nov-22		Begin scraping calk from individual bottoms in prep for cap install.		
South Basin Sludge	28-Nov-22		Remove sludge and deposits from basin.		
South Basin Inspection	28-Nov-22		Inspect caps, snug bolts, grease bearings, and check operations.		
South Basin Bearings	28-Nov-22		Install new bearings on floc train 2 east bearing and floc train 1 west bearing.		
South Basin	28-Nov-22		Finish draining basin and setting up for entry.		
Filter Hall	29-Nov-22		Rearrange filter hall in preparation for filter repair.		
Filter 5	29-Nov-22		Vacuum, scrap landings, remove access grout, torque caps, etc.		