OPERATIONS' DEPARTMENT MONTHLY REPORT

		LIFT	LOW		2024 VS 202
PUMPAGE	2023	2024	2023	2024	HL
Total in MG	321.356	321.162	330.397	332.720	-0.06%
Daily Average (MG)	11.477	11.091	11.800	11.473	
Max. Day (MG)	12.848	12.464	13.127	13.087	2024 VS 202
		4.050	1 000	5.000	HL
Gal/KwH	1,157	1,256	4,892	5,033	-9.11%
ELECTRICAL COSTS					
	2023		2	2024	
A. Pumping:	KwH	\$	KwH	\$	
High Lift	274,500	\$24,057.31	252,977	\$22,654.08	
Low Lift	67,102	\$5,880.85	65,628	\$5,876.98	
Wash Pump 1	3,500	\$306.74	3,500	\$313.42	
	50.500	\$5 500 07	45.000	AE 007 EZ	
Georgia St. Bstr.	52,500	\$5,583.37	45,000	\$5,227.57	
Wilgus Ave. Bstr.	3,100	\$442.09	2,900	\$422.51	
EE Pit / Bstr.	5,973	\$811.95	710	\$5,098.00	¢//
Erie Ave. Bstr. Sub Total	11,200 417,875	\$2,035.13 \$39,117.44	16,800 387,515	\$2,854.07 \$42,446.64	\$/KwH 17.0%
Sub Total	417,075	\$39,117.44	367,315	\$42,440.04	17.0%
3. Treat./Fiscal/Misc.	KwH	\$	KwH	\$	
Office & Maint. Bldg.	4,589	\$636.59	612	\$4,295.00	
Filter Plant / Pump Station / 2nd Service	64,298	\$6,126.82	95,295	\$9,330.67	
· · · · · · · · · · · · · · · · · · ·					\$/KwH
Sub Total	68,887	\$6,763.41	95,907	\$13,625.67	44.7%
C. Distribution:	KwH	\$	KwH	\$	
Taylor Hill Tank	3,612	\$500.89	2,730	\$391.52	
Horizon Tower			1,994	\$308.07	
EE Tower	1,466	\$216.78	1,218	\$185.64	
Washington (PRV) Pit	1,305	\$205.36	794	\$133.61	
Sub Total	6,383	\$923.03	6,736	\$1,018.84	\$/KwH
Total Electrical Costs	493,145	\$46,803.88	490,158	\$57,091.15	22.7%
Electrical Cost / MG	400,140	\$145.64	400,100	\$177.50	22.170
	+	¢110.01		¢111.00	
	2023		2	2024	
NATURAL GAS COSTS	CCF Used	Cost	CCF Used	Cost	
Production Facility	2,130	\$2,020.37	2,144	\$1,463.91	
South Basin	3,089	\$2,947.64			
Raw Pump Station			491	\$346.05	
Georgia St. Bstr.	353	\$358.02	141	\$104.38	
Erie Ave. Bstr.					
Wilgus Ave. Bstr.	48	\$66.94	41	\$42.35	A/2.05
Wilgus Ave. Bstr. Office & Maint. Bldg.	1,425	\$1,372.69	983	\$42.35 \$687.03	\$/CCF
Wilgus Ave. Bstr. Office & Maint. Bldg. Total Natural Gas Costs		\$1,372.69 \$6,765.66		\$42.35 \$687.03 \$2,643.72	\$/CCF -27.6%
Wilgus Ave. Bstr. Office & Maint. Bldg.	1,425	\$1,372.69	983	\$42.35 \$687.03	
Wilgus Ave. Bstr. Office & Maint. Bldg. Total Natural Gas Costs	1,425 7,045	\$1,372.69 \$6,765.66 \$21.05	983 3,800	\$42.35 \$687.03 \$2,643.72 \$8.22	
Wilgus Ave. Bstr. Office & Maint. Bldg. Total Natural Gas Costs Natural Gas Cost / MG	1,425 7,045 2023	\$1,372.69 \$6,765.66 \$21.05	983 3,800	\$42.35 \$687.03 \$2,643.72 \$8.22 2024	
Wilgus Ave. Bstr. Office & Maint. Bldg. Total Natural Gas Costs Natural Gas Cost / MG CHEMICAL COSTS	1,425 7,045 2023 Lbs. Used	\$1,372.69 \$6,765.66 \$21.05 Cost	983 3,800 2 Lbs. Used	\$42.35 \$687.03 \$2,643.72 \$8.22 2024 Cost	-27.6%
Wilgus Ave. Bstr. Office & Maint. Bldg. Total Natural Gas Costs Natural Gas Cost / MG CHEMICAL COSTS Alum	1,425 7,045 2023 Lbs. Used 71,318	\$1,372.69 \$6,765.66 \$21.05 Cost \$14,370.58	983 3,800 2 Lbs. Used 50,216	\$42.35 \$687.03 \$2,643.72 \$8.22 2024 Cost \$10,620.68	-27.6%
Wilgus Ave. Bstr. Office & Maint. Bldg. Total Natural Gas Costs Natural Gas Cost / MG CHEMICAL COSTS Alum Carbon	1,425 7,045 2023 Lbs. Used 71,318 0	\$1,372.69 \$6,765.66 \$21.05 Cost \$14,370.58 \$0.00	983 3,800 Lbs. Used 50,216 0	\$42.35 \$687.03 \$2,643.72 \$8.22 2024 Cost \$10,620.68 \$0.00	-27.6% 5.0% #DIV/0!
Wilgus Ave. Bstr. Office & Maint. Bldg. Total Natural Gas Costs Natural Gas Cost / MG CHEMICAL COSTS Alum Carbon Chlorine	1,425 7,045 2023 Lbs. Used 71,318	\$1,372.69 \$6,765.66 \$21.05 Cost \$14,370.58 \$0.00 \$10,543.82	983 3,800 2 Lbs. Used 50,216 0 5,523	\$42.35 \$687.03 \$2,643.72 \$8.22 2024 Cost \$10,620.68 \$0.00 \$10,383.24	-27.6% 5.0% #DIV/0! -7.4%
Wilgus Ave. Bstr. Office & Maint. Bldg. Total Natural Gas Costs Natural Gas Cost / MG CHEMICAL COSTS Alum Carbon	1,425 7,045 2023 Lbs. Used 71,318 0 5,194	\$1,372.69 \$6,765.66 \$21.05 Cost \$14,370.58 \$0.00	983 3,800 Lbs. Used 50,216 0	\$42.35 \$687.03 \$2,643.72 \$8.22 2024 Cost \$10,620.68 \$0.00 \$10,383.24 \$3,801.08	-27.6% 5.0% #DIV/0!
Wilgus Ave. Bstr. Office & Maint. Bldg. Total Natural Gas Costs Natural Gas Cost / MG CHEMICAL COSTS Alum Carbon Chlorine Fluoride	1,425 7,045 2023 Lbs. Used 71,318 0 5,194 1,474	\$1,372.69 \$6,765.66 \$21.05 Cost \$14,370.58 \$0.00 \$10,543.82 \$2,979.69	983 3,800 2 Lbs. Used 50,216 0 5,523 1,497	\$42.35 \$687.03 \$2,643.72 \$8.22 2024 Cost \$10,620.68 \$0.00 \$10,383.24 \$3,801.08 \$0.00	-27.6% 5.0% #DIV/0! -7.4% 25.6%
Wilgus Ave. Bstr. Office & Maint. Bldg. Total Natural Gas Costs Natural Gas Cost / MG CHEMICAL COSTS Alum Carbon Chlorine Fluoride KMnO4	1,425 7,045 2023 Lbs. Used 71,318 0 5,194 1,474 0	\$1,372.69 \$6,765.66 \$21.05 Cost \$14,370.58 \$0.00 \$10,543.82 \$2,979.69 \$0.00	983 3,800 2 Lbs. Used 50,216 0 5,523 1,497 0	\$42.35 \$687.03 \$2,643.72 \$8.22 2024 Cost \$10,620.68 \$0.00 \$10,383.24 \$3,801.08 \$0.00	-27.6% 5.0% #DIV/0! -7.4% 25.6% #DIV/0!
Wilgus Ave. Bstr. Office & Maint. Bldg. Total Natural Gas Costs Natural Gas Cost / MG CHEMICAL COSTS Alum Carbon Chlorine Fluoride KMnO4 Cationic Polymer	1,425 7,045 2023 Lbs. Used 71,318 0 5,194 1,474 0 0 0	\$1,372.69 \$6,765.66 \$21.05 Cost \$14,370.58 \$0.00 \$10,543.82 \$2,979.69 \$0.00 \$0.00	983 3,800 2 Lbs. Used 50,216 0 5,523 1,497 0 0 0	\$42.35 \$687.03 \$2,643.72 \$8.22 2024 Cost \$10,620.68 \$0.00 \$10,383.24 \$3,801.08 \$0.00 \$0.00	-27.6% #DIV/0! -7.4% 25.6% #DIV/0! #DIV/0!
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	1,425 7,045 2023 Lbs. Used 71,318 0 5,194 1,474 0 0 0	\$1,372.69 \$6,765.66 \$21.05 Cost \$14,370.58 \$0.00 \$10,543.82 \$2,979.69 \$0.00 \$0.00 \$11,076.64	983 3,800 2 Lbs. Used 50,216 0 5,523 1,497 0 0 0	\$42.35 \$687.03 \$2,643.72 \$8.22 2024 Cost \$10,620.68 \$0.00 \$10,383.24 \$3,801.08 \$0.00 \$10,30.00 \$10,703.69	-27.6% 5.0% #DIV/0! -7.4% 25.6% #DIV/0! #DIV/0! -3.8%
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	1,425 7,045 2023 Lbs. Used 71,318 0 5,194 1,474 0 0 3,621	\$1,372.69 \$6,765.66 \$21.05 Cost \$14,370.58 \$0.00 \$10,543.82 \$2,979.69 \$0.00 \$0.00 \$11,076.64 \$38,970.73 \$121.27	983 3,800 2 Lbs. Used 50,216 0 5,523 1,497 0 0 0	\$42.35 \$687.03 \$2,643.72 \$8.22 2024 Cost \$10,620.68 \$0.00 \$10,383.24 \$3,801.08 \$0.00 \$10,703.69 \$35,508.69 \$110.40	-27.6% 5.0% #DIV/0! -7.4% 25.6% #DIV/0! #DIV/0! -3.8% -8.9%
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	1,425 7,045 2023 Lbs. Used 71,318 0 5,194 1,474 0 0 3,621 Grand Total	\$1,372.69 \$6,765.66 \$21.05 Cost \$14,370.58 \$0.00 \$10,543.82 \$2,979.69 \$0.00 \$11,076.64 \$38,970.73 \$121.27 \$92,540.27	983 3,800 2 Lbs. Used 50,216 0 5,523 1,497 0 0 0	\$42.35 \$687.03 \$2,643.72 \$8.22 2024 Cost \$10,620.68 \$0.00 \$10,383.24 \$3,801.08 \$0.00 \$10,703.69 \$35,508.69 \$110.40 \$95,243.56	-27.6% 5.0% #DIV/0! -7.4% 25.6% #DIV/0! #DIV/0! -3.8% -8.9% 2.92%
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	1,425 7,045 2023 Lbs. Used 71,318 0 5,194 1,474 0 0 3,621	\$1,372.69 \$6,765.66 \$21.05 Cost \$14,370.58 \$0.00 \$10,543.82 \$2,979.69 \$0.00 \$0.00 \$11,076.64 \$38,970.73 \$121.27	983 3,800 2 Lbs. Used 50,216 0 5,523 1,497 0 0 0	\$42.35 \$687.03 \$2,643.72 \$8.22 2024 Cost \$10,620.68 \$0.00 \$10,383.24 \$3,801.08 \$0.00 \$10,703.69 \$35,508.69 \$110.40	-27.6% 5.0% #DIV/0! -7.4% 25.6% #DIV/0! #DIV/0! -3.8% -8.9%
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 Chemical Cost / MG	1,425 7,045 2023 Lbs. Used 71,318 0 5,194 1,474 0 3,621	\$1,372.69 \$6,765.66 \$21.05 Cost \$14,370.58 \$0.00 \$10,543.82 \$2,979.69 \$0.00 \$0.00 \$11,076.64 \$38,970.73 \$121.27 \$92,540.27 \$287.97	983 3,800 2 Lbs. Used 50,216 0 5,523 1,497 0 0 3,637	\$42.35 \$687.03 \$2,643.72 \$8.22 2024 Cost \$10,620.68 \$0.00 \$10,383.24 \$3,801.08 \$0.00 \$10,703.69 \$35,508.69 \$35,508.69 \$1110.40 \$95,243.56 \$296.11	-27.6% 5.0% #DIV/0! -7.4% 25.6% #DIV/0! #DIV/0! -3.8% -8.9% 2.92%
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 Chemical Cost / MG	1,425 7,045 2023 Lbs. Used 71,318 0 5,194 1,474 0 3,621 Grand Total Total Cost / MG YTD HL HIGH DAY	\$1,372.69 \$6,765.66 \$21.05 Cost \$14,370.58 \$0.00 \$10,543.82 \$2,979.69 \$0.00 \$10,543.82 \$2,979.69 \$0.00 \$11,076.64 \$38,970.73 \$121.27 \$92,540.27 \$287.97 Y PUMPAGE	983 3,800 2 Lbs. Used 50,216 0 5,523 1,497 0 0 3,637 1,497 0 1,497 0 0 1,497	\$42.35 \$687.03 \$2,643.72 \$8.22 2024 Cost \$10,620.68 \$0.00 \$10,383.24 \$3,801.08 \$0.00 \$10,703.69 \$35,508.69 \$110.40 \$95,243.56 \$296.11 January 15, 2024	-27.6% 5.0% #DIV/0! -7.4% 25.6% #DIV/0! #DIV/0! -3.8% -8.9% 2.92%
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 Chemical Cost / MG	1,425 7,045 2023 Lbs. Used 71,318 0 5,194 1,474 0 3,621	\$1,372.69 \$6,765.66 \$21.05 Cost \$14,370.58 \$0.00 \$10,543.82 \$2,979.69 \$0.00 \$10,543.82 \$2,979.69 \$0.00 \$11,076.64 \$38,970.73 \$121.27 \$92,540.27 \$287.97 Y PUMPAGE	983 3,800 2 Lbs. Used 50,216 0 5,523 1,497 0 0 3,637	\$42.35 \$687.03 \$2,643.72 \$8.22 2024 Cost \$10,620.68 \$0.00 \$10,383.24 \$3,801.08 \$0.00 \$10,703.69 \$35,508.69 \$35,508.69 \$1110.40 \$95,243.56 \$296.11	-27.6% 5.0% #DIV/0! -7.4% 25.6% #DIV/0! #DIV/0! -3.8% -8.9% 2.92% 2.83%
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 Chemical Cost / MG	1,425 7,045 2023 Lbs. Used 71,318 0 5,194 1,474 0 3,621 Grand Total Total Cost / MG YTD HL HIGH DAY	\$1,372.69 \$6,765.66 \$21.05 Cost \$14,370.58 \$0.00 \$10,543.82 \$2,979.69 \$0.00 \$10,543.82 \$2,979.69 \$0.00 \$11,076.64 \$38,970.73 \$121.27 \$92,540.27 \$287.97 Y PUMPAGE	983 3,800 2 Lbs. Used 50,216 0 5,523 1,497 0 0 3,637 1,497 0 1,497 0 0 1,497	\$42.35 \$687.03 \$2,643.72 \$8.22 2024 Cost \$10,620.68 \$0.00 \$10,383.24 \$3,801.08 \$0.00 \$10,383.24 \$3,801.08 \$0.00 \$10,703.69 \$35,508.69 \$110,703.69 \$35,508.69 \$110,703.69 \$35,508.69 \$110,703.69 \$35,508.69 \$110,703.69 \$35,508.69 \$110,703.69 \$35,508.69 \$110,703.69 \$35,508.69 \$110,703.69 \$35,508.69 \$110,703.69 \$35,508.69 \$110,703.69 \$110,703.69 \$20,703.69 \$20,703.69\$20,703.69	-27.6% 5.0% #DIV/0! -7.4% 25.6% #DIV/0! #DIV/0! -3.8% -8.9% 2.92% 2.83% YTD HL Ave D
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 Chemical Cost Chemical Cost YTD HL 2024 vs 2023 -1.96%	1,425 7,045 2023 Lbs. Used 71,318 0 5,194 1,474 0 3,621 Grand Total Total Cost / MG YTD HL HIGH DAY	\$1,372.69 \$6,765.66 \$21.05 Cost \$14,370.58 \$0.00 \$10,543.82 \$2,979.69 \$0.00 \$10,543.82 \$2,979.69 \$0.00 \$11,076.64 \$38,970.73 \$121.27 \$92,540.27 \$287.97 Y PUMPAGE	983 3,800 2 Lbs. Used 50,216 0 5,523 1,497 0 0 3,637 1,497 0 1,497 0 0 1,497	\$42.35 \$687.03 \$2,643.72 \$8.22 2024 Cost \$10,620.68 \$0.00 \$10,383.24 \$3,801.08 \$0.00 \$10,703.69 \$35,508.69 \$110.40 \$95,243.56 \$296.11 January 15, 2024	-27.6% 5.0% #DIV/0! -7.4% 25.6% #DIV/0! #DIV/0! -3.8% -8.9% 2.92% 2.83%

2022

12.187

COMPARATIVE SUMMARY OF PLANT OPERATIONS

			February 2023	vs	February 2024	-	
Pumping Record	High	Lift			Low	Lift	
r amping roosia	2023	2024	Diff.	т г	2023	2024	Diff.
Tot. Water in MG	321.356	321.162	-0.06%	Tot. Water in MG	330.397	332.720	0.70%
Daily Average	11.477	11.091	-3.36%	Daily Average	11.800	11.473	-2.77%
Maximum Day	12.848	12.464	-2.99%	Maximum Day	13.127	13.087	-0.30%
Minimum Day	9.477	9.161	-3.33%	Minimum Day	9.843	9.704	-1.41%
By Natural Gas	3.667	3.833	4.53%	By Natural Gas	2.166	2.406	11.08%
Power in KWH	274,500	252,977	-7.84%	Power in KWH	67,102	65,628	-2.20%
Gals. per KWH	1,157	1,256	8.58%	Gals. per KWH	4,892	5,033	2.88%
Power \$ / KWH	\$0.08764	\$0.08955	2.18%	Power \$ / KWH			
Power \$ / MG	\$74.86	\$70.43	(\$4.43)	Power \$ / MG	\$17.80	\$17.66	(\$0.14)
Tot. Power \$/MG	\$146.91	\$195.77	\$48.86	Tot. Power \$/MG			
_							
Treatment Chem.	Lbs.	Used		_		Cost	
Total Lbs.	2023	2024	Diff.	Total Cost	2023	2024	Diff.
Alum	71,318	50,216	-29.59%	Alum	\$14,370.58	\$10,620.68	(\$3,749.90
Carbon			#DIV/0!	Carbon	\$0.00	\$0.00	\$0.00
Chlorine	5,194	5,523	6.33%	Chlorine	\$10,543.82	\$10,383.24	(\$160.58)
KMnO4	0	0	#DIV/0!	KMnO4	\$0.00	\$0.00	\$0.00
Polymer	0	0	#DIV/0!	Polymer	\$0.00	\$0.00	\$0.00
Liquid Phosphate	3,621	3,637	0.44%	Liquid Phosphate	\$11,076.64	\$10,703.69	(\$372.95)
Lb/ MG:				Cost / MG:			
Alum	215.9	150.9	-30.08%	Alum	\$43.49	\$31.92	(\$11.57)
Carbon	0.0	0.0	#DIV/0!	Carbon	#DIV/0!	#DIV/0!	#DIV/0!
Chlorine	15.7	16.6	5.59%	Chlorine	\$31.91	\$31.21	(\$0.71)
KMnO4	0.0	0.0	#DIV/0!	KMnO4	#DIV/0!	#DIV/0!	#DIV/0!
Liquid Phosphate	11.0	10.9	-0.26%	Liquid Phosphate	\$33.53	\$32.17	(\$1.35)
Fluoride:	2023	2024		Fluoride:	2023	2024	1
Total Lbs.	1,474	1,497	1.56%	Cost	\$2,979.69	\$3,801.08	\$821.39
mg/l applied as F	0.74	0.67		Cost/MG	\$9.29	\$11.84	\$2.55
Av. Res. Plt. Tap	0.71	0.70			++		<i>+</i>
	B						
Water Quality:	-	aw	I	г		1	1
	2023	2024			2023	2024	-
Turbidity	16.70	3.70		Turbidity	0.040	0.040	4
pH	8.26	8.25		pH Allvalinity	7.55	7.68	4
Alkalinity	114.5	115.0		Alkalinity	102.0	106.9	-
MF (E-Coli)	1.3	1.2		Plate Count	0.00	0.00	4
Temperature	33.8	35.6		Colilert	0	0	4
Wash-H20 % /LL	2.32	2.10		Temp.	35.7	40.0	4
Av. Flt. Run/hrs Av. ROF / MG	92.0	92.1		Cl Res.	0.93	0.87	1
AV. RUF / MG	1.35	1.48					
Network O							
Natural Gas:	2023	2024		г	2023	2024	Diff.
Nat. Gas Heating	4,729	1,588	Plant & South Basir		\$4,503.42	\$1,083.94	(\$3,419.48
Nat. Gas Pumping	490	556		┙┟	\$464.59	\$379.97	(\$84.62)
					÷	<i>t</i>	(+01.02)
Г	CCF	Cost	Natural Gas Cost	Natural Gas CCF			
#3 Gas Pump	124.0	\$84.67	\$1,463.9 [°]	1 2,144			
no oao i annp		+	+.,	-,			

#7 Gas Pump

Electric Generator Pumping totals 110.0

120.0 **556.5** \$75.11

\$81.94 **\$379.97**

		3/1/2024	2/1/2024	
% Run	Elapsed Time:			
35.9%	No. 6 Pump	76,415.1	76,165.2	249.9
3.14%	Wash Pump Meter	5,974.16	5,952.30	21.86
0.6%	No. 7 Pump	882.8	878.4	4.4
0.0%	No. 8 Pump	59,554.4	59,554.4	0.0
99.4%	No. 9 Pump	34,849.0	34,157.0	692.0
0.0%	No. 11 Pump			
0.0%	No. 12 Pump			
0.0%	No. 13 Pump			
0.0%	No. 14 Pump			
1.1%	Wash Pump 2	199	191	8
	No. 1 Prime Pump	1,060.8	1,059.2	1.6
	No. 2 Prime Pump	1,144.5	1,142.5	2.0
Kw/Hr run	Watthour Meters:			

0.0 0.0 SLUDGE No. I Hour Meter SYSTEM No. 2 Mag No. 3 Raw

3/1/2024

Recycle Me

r Meter	0.0	0.0	0
g Meter	916,610	720,890	195,720
v Station			195,720
eter (Rese			

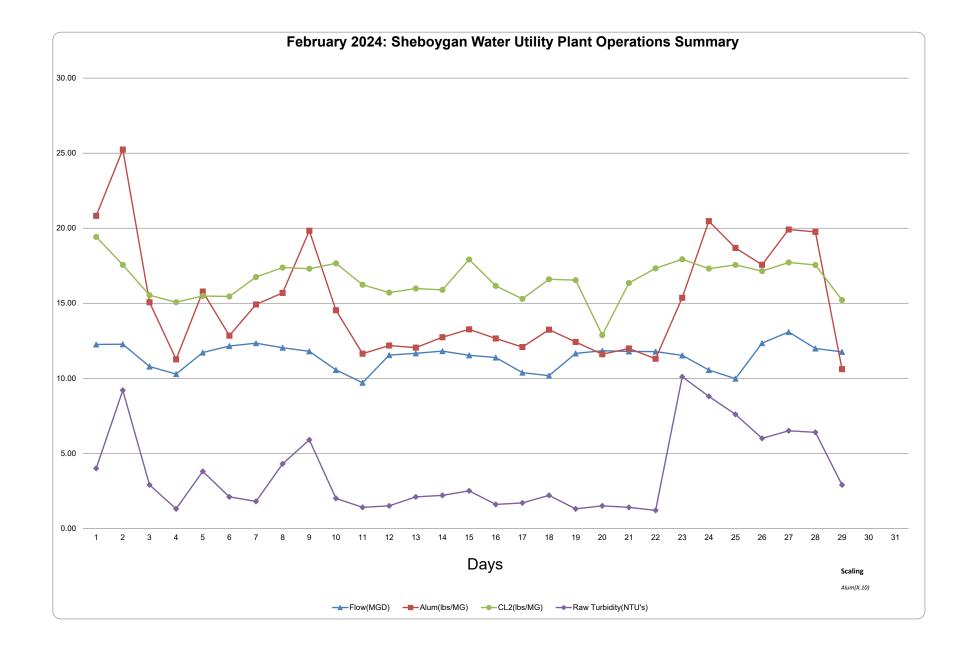
2/1/2024

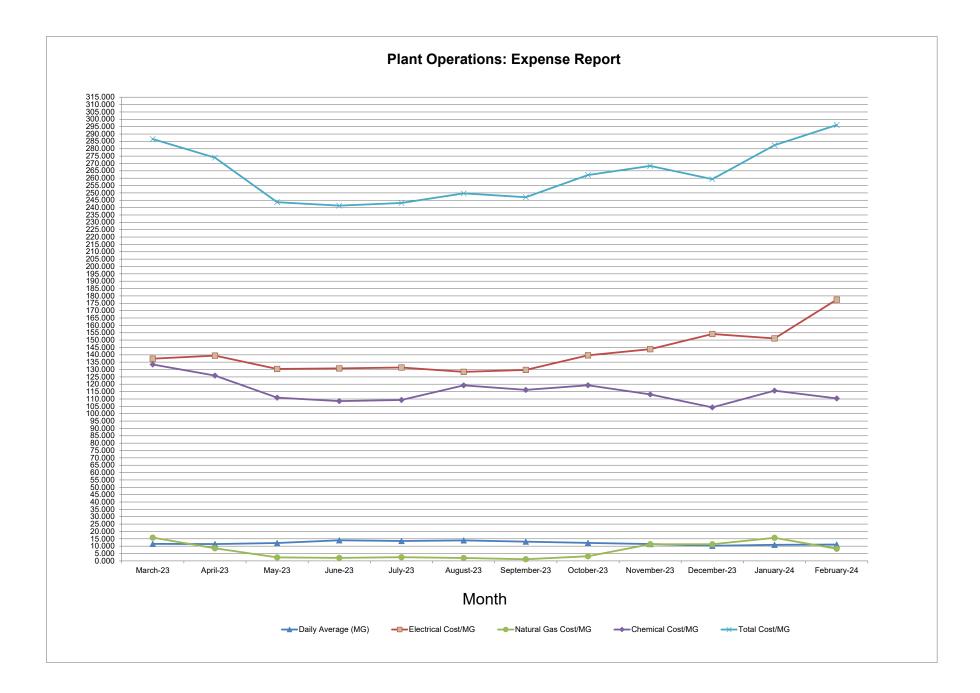
	\$37,503.52	Bill >>>>	\$0.0895500	Power Cost
	418,800	KWH >>>	0.479742857	
65,628	Low L. KWH		\$37,503.52	Init. Chg.
\$5,876.98	L.L. Cost \$	KWH	\$	
252,977	High L. KWH	65,628	\$5,876.98	_ow L. (1929)
\$22,654.08	H.L. Cost \$	0	\$0.00	_ow L. (2024)
		1,994	\$308.07	Horizon
		2,730	\$391.52	Taylor
\$28,531.06	Total Cost	1,400	\$671.64	ALT. 72 Park
		45,000	\$5,227.57	Geo. Ave.
		2,900	\$422.51	Wilgus Ave.
		710	\$5,098.00	EE Pit
\$9,330.67	Plant Costs	1,218	\$185.64	EE Tower
		794	\$133.61	Washington
		612	\$4,295.00	Office
		16,800	\$2,854.07	Erie Ave.
		558,586	\$62,968.13	Total

Kw/Hr run	Watthour Meters:	I	I	
160.1	Wash Pump 1	1339.1	1334.1	3,500
	· · -	1559.1	1554.1	3,500
#DIV/0!	No. 14 Pump			
#DIV/0!	No. 13 Pump			
#DIV/0!	No. 12 Pump			
#DIV/0!	No. 11 Pump			
68.5	No. 9 Pump	6443.87	6396.44	47,428
#DIV/0!	No. 8 Pump	6843.3	6843.3	0
72.8	No. 6 Pump	2916.2	2851.2	18,200
219.2	Wash Pump 2	21.577	20.1157	1,754
#DIV/0!	No. 1 Pump	10076.96	10076.96	0
#DIV/0!	No. 2 Pump	5002.007	5002.007	0
293.1	No. 3 Pump	1491.62	1372.593	119,027
#DIV/0!	No. 4 Pump			0
479.1	No. 5 Pump	13,241.120	13,107.170	133,950
	Garage (MWatt/Hrs.)	1,129.67	1,125.33	4,340
				,
	Power Co. (Step #3)	44,122	43,773	418,800
	Left Meter - OUTSIDE			
	Volume Used:			
	Nat. Gas (Correct)	46,933,238	46,766,794	209,220

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						HIGH I	_IFT	LOW LI	FT
						2023	2024	2023	2024
	Elapsed Time:				Tot. Pump	321.356	321.644	330.397	332.720
	Emer. Generator	1,178.0	1,172.0	6.0	Daily Ave.	11.477	11.091	11.800	11.473
	Raw Pumpstation Gen				Max. Day	12.848	12.464	13.127	13.087
% Run	Elapsed Time:				Min. Day	9.477	9.161	9.843	9.704
0.0%	No. 1 Pump	18,686.1	18,686.1	0.0	By Nat. Gas	3.667	3.833	2.166	2.406
0.0%	No. 2 Pump	21,331.56	21,331.56	0.00	Power KWH	274,500	252,977	67,102	65,628
58.3%	No. 3 Elec. Pump	5,091.5	4,685.4	406.1	Gals/KWH	1157	1256	4892	5033
0.6%	No. 3 Nat. Gas Pump	615.0	611.0	4.0	Cost/KWH	\$0.08764	\$0.08955	*****	*****
0.0%	No. 4 Elec. Pump	0.00	0.00	0.0	Cost/MG	\$74.86	\$70.43	\$17.80	\$17.66
0.6%	No. 4 Nat. Gas Pump	164.5	160.0	4.5	Tot. Cost/MG	\$146.91	\$195.77	*****	*****
40.2%	No. 5. Pump	27,684.040	27,404.480	279.560		-	-	-	
0.2%	UV Building Generator	187.8	186.6	1.2]				





Filter Plant Maintenance Completed For February 2024

Sublect	StartDate	EndDate	Description Yellow indicates days operating or running labs			
Pipe Gallery	1-Feb-24		Bled rate of flow and loss of head transmitters.			
Menzer	1-Feb-24		Purchase Indian head gasket shellac.			
Georgia Ave.	1-Feb-24		Finish cleaning gasket surfaces, flush pump case, and install new pump house gasket on lower portion.			
Vaintenance Shop	2-Feb-24		Clean and reorganize tools used during Georgia pump 4 service.			
Georgia Ave.	2-Feb-24	-	Run pump, check balance, prime bare metal, and begin bringing tools home.			
Georgia Ave.	2-Feb-24	-	Flush inside of pump with fresh water, double check clearances, final torque bolts, and ensure everything spins freely.			
Georgia Ave.	2-Feb-24		Finish assembling pump 4.			
Filter Repair Tools	5-Feb-24		Scrub, wash, and store.			
Georgia Ave.	5-Feb-24		First coat of blue paint on pump 4.			
Filter 10	5-Feb-24		Clean surface sweeps, light skim, and wash.			
Monday Meeting	5-Feb-24		Topics include vacation coverage, raw water improvement update, South Basin floc issue, Georgia pump 4 completion, etc.			
POs and monthly paperwork	5-Feb-24		Submitted PO for swan reagents and sent monthly maintenance paperwork to supervisor			
ights old crew quarters	5-Feb-24		Replaced lights in old crew quaters			
Venards	5-Feb-24		Menards light bulbs			
Ortho reagents	5-Feb-24		Refilled Ortho Phosphate reagents in lab			
Filter 1	5-Feb-24		Clean surface sweeps, light skim, and wash.			
Truck 10	5-Feb-24		Wash outside and floor mats.			
Colilert Test	6-Feb-24		Participate in yearly Collert verification test.			
Garbage	6-Feb-24		Throw out plant garbage and recycling.			
Truck 24	6-Feb-24		Soap and wash.			
Filter 2	6-Feb-24		Clean surface sweeps, skim, and wash.			
Filter 3	6-Feb-24		Vacuum filter bottom.			
Filter 4	6-Feb-24		Vacuum both North and South sides.			
Georgia Ave.	6-Feb-24	1	Apply second coat of blue paint to pump 4.			
Filter 9	7-Feb-24		Clean surface sweeps, skim, and wash.			
Filter 3	7-Feb-24 7-Feb-24		Final vacuum and inspection.			
S.B. bathroom light Cleaned S.B. bathroom	7-Feb-24	-	Removed ballast from south basin light fixture, replaced with bypass T-8 LED light bulbs			
	7-Feb-24		Cleaned south basin bathroom			
Dan Covering Laboratory	7-Feb-24	8-Feb-24				
Filter 9 Surface Sweep	7-Feb-24		Repair broken surface sweep end nozzle.			
Cleaned common areas	8-Feb-24		Mopped and cleaned filter plant common areas and south basin bathroom			
Filter 11	8-Feb-24		Clean surface sweeps, skim, and wash.			
Filter 5	8-Feb-24		Clean surface sweeps and wash; need to skim again.			
Georgia Ave.	8-Feb-24		Install pump 4 covers, wash off pump 5, and clean area.			
Menards	8-Feb-24		Purchase ear plugs, stainless hardware, and hose clamps.			
Filter 8			Clean surface sweeps, skim, and wash.			
	9-Feb-24					
	9-Feb-24 9-Feb-24		Clean surface sweeps, skim, and wash. Tour of new low lift and suction well station			
New Low Lift tour						
New Low Lift tour Valve Hog	9-Feb-24		Tour of new low lift and suction well station			
New Low Lift tour Valve Hog Trilling's	9-Feb-24 9-Feb-24		Tour of new low lift and suction well station Install new magnet for rpm pickup.			
New Low Lift tour Valve Hog Trilling's Filter 6 Sample Pump	9-Feb-24 9-Feb-24 9-Feb-24		Tour of new low lift and suction well station Install new magnet for rpm pickup. Purchase magnets, bottle brush, and rags. Diagnose sample pump inop.			
New Low Lift tour Valve Hog Trilling's Eilter 6 Sample Pump Eilter 6	9-Feb-24 9-Feb-24 9-Feb-24 9-Feb-24		Tour of new low lift and suction well station Install new magnet for rpm pickup. Purchase magnets, bottle brush, and rags. Diagnose sample pump inop. Repair surface sweeps, skim, and wash.			
New Low Lift tour Valve Hog Trilling's Filter 6 Sample Pump Filter 6 #10 gas engine oil	9-Feb-24 9-Feb-24 9-Feb-24 9-Feb-24 9-Feb-24 9-Feb-24 9-Feb-24		Tour of new low lift and suction well station Install new magnet for rpm pickup. Purchase magnets, bottle brush, and rags. Diagnose sample pump inop. Repair surface sweeps, skim, and wash. Added engine oil to #10 filter plant emergency gas engine			
New Low Lift tour Valve Hog Trilling's Filter 6 Sample Pump Filter 6 #10 gas engine oil #4 gas engine oil	9-Feb-24 9-Feb-24 9-Feb-24 9-Feb-24 9-Feb-24 9-Feb-24 9-Feb-24 9-Feb-24		Tour of new low lift and suction well station Install new magnet for rpm pickup. Purchase magnets, bottle brush, and rags. Diagnose sample pump inop. Repair surface sweeps, skim, and wash. Added engine oil to #10 filter plant emergency gas engine Added engine oil to #4 high lift gas engine			
New Low Lift tour Valve Hog Trilling's Filter 6 Sample Pump Filter 6 #10 gas engine oil #4 gas engine oil Filter 7	9-Feb-24 9-Feb-24 9-Feb-24 9-Feb-24 9-Feb-24 9-Feb-24 9-Feb-24 12-Feb-24		Tour of new low lift and suction well station Install new magnet for rpm pickup. Purchase magnets, bottle brush, and rags. Diagnose sample pump inop. Repair surface sweeps, skim, and wash. Added engine oil to #10 filter plant emergency gas engine Added engine oil to #4 high lift gas engine Repair surface sweeps, skim, and wash.			
New Low Lift tour Valve Hog Trilling's Filter 6 Sample Pump Filter 6 #10 gas engine oil #4 gas engine oil Filter 7 Filter 7	9-Feb-24 9-Feb-24 9-Feb-24 9-Feb-24 9-Feb-24 9-Feb-24 9-Feb-24 12-Feb-24 12-Feb-24		Tour of new low lift and suction well station Install new magnet for rpm pickup. Purchase magnets, bottle brush, and rags. Diagnose sample pump inop. Repair surface sweeps, skim, and wash. Added engine oil to #10 filter plant emergency gas engine Added engine oil to #4 high lift gas engine Repair surface sweeps, skim, and wash. Enter UV reference data.			
New Low Lift tour Yalve Hog Trilling's Filter 6 Sample Pump Filter 6 #10 gas engine oil #4 gas engine oil Filter 7 UV Data UV Reference Check	9-Feb-24 9-Feb-24 9-Feb-24 9-Feb-24 9-Feb-24 9-Feb-24 9-Feb-24 12-Feb-24 12-Feb-24 12-Feb-24		Tour of new low lift and suction well station Install new magnet for rpm pickup. Purchase magnets, bottle brush, and rags. Diagnose sample pump inop. Repair surface sweeps, skim, and wash. Added engine oil to #10 filter plant emergency gas engine Added engine oil to #4 high lift gas engine Repair surface sweeps, skim, and wash. Enter UV reference data. Perform UV reference check on West train.			
New Low Lift tour Valve Hog Trilling's Filter 6 Sample Pump #10 gas engine oil #4 gas engine oil Filter 7 UV Data UV Data UV Reference Check Monday Meeting	9-Feb-24 9-Feb-24 9-Feb-24 9-Feb-24 9-Feb-24 9-Feb-24 9-Feb-24 12-Feb-24 12-Feb-24 12-Feb-24 12-Feb-24		Tour of new low lift and suction well station Install new magnet for rpm pickup. Purchase magnets, bottle brush, and rags. Diagnose sample pump inop. Repair surface sweeps, skim, and wash. Added engine oil to #10 filter plant emergency gas engine Added engine oil to #4 high lift gas engine Repair surface sweeps, skim, and wash. Enter UV reference data. Perform UV reference check on West train. Topics include South basin floc service, Energenecs, New PCs, Filter maintenance, coverage, laboratory upgrade, and office up			
New Low Lift tour Valve Hog Trilling's Filter 6 Sample Pump #10 gas engine oil #4 gas engine oil Filter 7 UV Data UV Reference Check Monday Meeting Filter 3	9-Feb-24 9-Feb-24 9-Feb-24 9-Feb-24 9-Feb-24 9-Feb-24 9-Feb-24 12-Feb-24 12-Feb-24 12-Feb-24 12-Feb-24 12-Feb-24		 Tour of new low lift and suction well station Install new magnet for rpm pickup. Purchase magnets, bottle brush, and rags. Diagnose sample pump inop. Repair surface sweeps, skim, and wash. Added engine oil to #10 filter plant emergency gas engine Added engine oil to #4 high lift gas engine Repair surface sweeps, skim, and wash. Enter UV reference data. Perform UV reference check on West train. Topics include South basin floc service, Energenecs, New PCs, Filter maintenance, coverage, laboratory upgrade, and office upgelie gin setting up tools, fasteners, lighting, walkway, etc. 			
Hite I our Valve Hog Trilling's Filter 6 Sample Pump Filter 6 #10 gas engine oil #4 gas engine oil Filter 7 UV Data UV Data UV Reference Check Monday Meeting Filter 3 Dakota Supply Group Menards	9-Feb-24 9-Feb-24 9-Feb-24 9-Feb-24 9-Feb-24 9-Feb-24 9-Feb-24 12-Feb-24 12-Feb-24 12-Feb-24 12-Feb-24		 Tour of new low lift and suction well station Install new magnet for rpm pickup. Purchase magnets, bottle brush, and rags. Diagnose sample pump inop. Repair surface sweeps, skim, and wash. Added engine oil to #10 filter plant emergency gas engine Added engine oil to #4 high lift gas engine Repair surface sweeps, skim, and wash. Enter UV reference data. Perform UV reference check on West train. Topics include South basin floc service, Energenecs, New PCs, Filter maintenance, coverage, laboratory upgrade, and office upper service. 			

Filter 3	12-Feb-24	Plugs 1 ½I and 2I fittings on surface sweep; minor water leak.
Cleaned up Fluoride	12-Feb-24	Cleaned up fluoride spill from pump hose breaking
Filter #3 cap install	13-Feb-24	New cap install on filter #3
Filter #3 cap install	14-Feb-24	New cap install on filter #3
Filter #4 cap install	15-Feb-24	New cap install on filter #4
Filter #4 cap install	16-Feb-24	New cap install in filter #4
Menards	16-Feb-24	Menards for filter plant maintenance items
Viking electric	16-Feb-24	Viking electric to start account for float switches, fiberglass strut and strut clamps
Replaced sodium thio barrel	19-Feb-24	Replaced sodium thio barrel
Filter 4	19-Feb-24	Install epoxy, grout, and angle iron.
Filter 3	19-Feb-24	Install epoxy, grout, and angle iron.
Filter 3	20-Feb-24	Install grout filler on North and South ends.
Filter 4	20-Feb-24	Install grout filler on North and South ends.
Filter replacement cleanup	21-Feb-24	Cleaning up filter plant from filter replacement project
Filter 3	21-Feb-24	Apply epoxy and patch on back walls.
Filter 3 + 4	21-Feb-24	Install surface sweeps.
Filter 4	21-Feb-24	Apply epoxy and patch on back walls.
Tools and Maintenance Shop	21-Feb-24	Continue cleaning tools and maintenance shop.
Filter replacement cleanup	22-Feb-24	Ran Zamboni on filter plant hallway cleaning floors
Hypo Transfer Pump	22-Feb-24	Install new wet end and cleanup area.
Menards	22-Feb-24	Menards supply run for filter plant maintenance items
Viking Electric	22-Feb-24	Parts run to Viking Electrici for sludge pump float switches
Maintenance Shop	22-Feb-24	Assemble shop vac, organize broom closet, vacuum shop, etc.
Tool cleaning	23-Feb-24	Cleaned tools from filter project
Friday meeting	23-Feb-24	Discussing future projects and plant maintenance
Taylor hill	23-Feb-24	Maintenance checks t Taylor hill reservoir
Georgia pump station	23-Feb-24	Maintenance checks at Georgia pump station, checked over flow screen
Horizon tower	23-Feb-24	Maintenance checks, filled reagents and checked overflow screen
EE tower	23-Feb-24	Maintenance checks and overflow screen at EE tower, overflow screen needs replacement
Erie pump station	23-Feb-24	Maintenance check and refilled reagents at Erie pump station
Trash and cardboard removal	23-Feb-24	Tool out trash and cardboard from filter plant
Check clear well vent screens	26-Feb-24	Checked clear well vent screens and will replace one screen on clear well extension
South basin cleaning	26-Feb-24	Drained and cleaned floc side of south basin to repair #1 floc drive chain
Monday Meeting	26-Feb-24	Topics include raw water improvement pump startup, South basin service, LL isolation valve operation, ortho storage options, filter media installation.
Menards	26-Feb-24	Purchase 21 fittings for flush hoses.
Trilling's	27-Feb-24	Purchase stainless steel screen for vent/overflow pipe repairs.
Maintenance Shop	27-Feb-24	Put south basin service items away, clean tools, organize south cabinet, etc.
South Basin	27-Feb-24	Begin filling: switch on feed pumps, set flow, etc.
South Basin Floc 1	27-Feb-24	Remove 2I-3I from all East paddles for chain clearance.
South Basin	27-Feb-24	Grease bearings sleeves, inspect paddle assemblies, and torque saddle bolts.
South Basin Floc 1	27-Feb-24	Reinstall chain, move idler inboard, and grease.
Joshua Doctors Appointment	28-Feb-24	Joshua doctors appointment.
Paint Filter 6	28-Feb-24	Apply first coat of yellow paint to filter 6 railing.
Raw Water Improvement Project	28-Feb-24	Flow test
Raw Water Improvement Project	28-Feb-24	Assist startup.
Sodium Hypo Feed Room	28-Feb-24	Apply first coat of paint to hypo line run tubes.
Sludge Pump VFD	29-Feb-24	Begin diagnosing VFD feedback communication issue.
Maintenance Shop	29-Feb-24	Clean computer areas.
Georgia Ave.	29-Feb-24	Finish installing adapter plates on pump 4+5 valves.
PLC Diagnostic	29-Feb-24	Assist Rick diagnosing PLC communication issues with orthophosphate day tank and sludge pump feedback.