

December 2023

OPERATIONS' DEPARTMENT MONTHLY REPORT

PUMPAGE	HIGH LIFT		LOW LIFT		2023 VS 2022
	2022	2023	2022	2023	HL
Total in MG	320.829	318.003	330.484	330.147	-0.88%
Daily Average (MG)	10.349	10.274	10.661	10.650	
Max. Day (MG)	12.942	12.517	13.350	13.001	2023 VS 2021
					HL
Gal/KwH	1,203	1,191	4,931	4,975	-6.67%
ELECTRICAL COSTS					
		2022		2023	
A. Pumping:		KwH	\$	KwH	\$
High Lift		263,621	\$21,389.15	266,000	\$25,106.22
Low Lift		66,474	\$5,393.43	66,356	\$6,262.93
Wash Pump 1		4,200	\$340.77	3,500	\$330.35
Georgia St. Bstr.		50,100	\$4,990.07	46,200	\$5,407.22
Wilgus Ave. Bstr.		2,900	\$391.58	2,900	\$428.20
EE Pit / Bstr.		5,612	\$719.77	4,680	\$663.29
Erie Ave. Bstr.		15,200	\$2,313.56	14,800	\$2,595.45
Sub Total		408,107	\$35,538.33	404,436	\$40,793.66
					\$/KwH 15.8%
B. Treat./Fiscal/Misc.		KwH	\$	KwH	\$
Office & Maint. Bldg.		4,643	\$607.71	4,323	\$620.94
Filter Plant / Pump Station / 2nd Service		67,905	\$5,984.39	68,744	\$6,948.72
Sub Total		72,548	\$6,592.10	73,067	\$7,569.66
					\$/KwH 14.0%
C. Distribution:		KwH	\$	KwH	\$
Taylor Hill Tank		2,767	\$366.99	2,341	\$343.72
Kohler Meter Pit		0	\$0.00	0	\$0.00
EE Tower		1,278	\$179.92	1,104	\$172.06
Washington (PRV) Pit		428	\$75.17	1,238	\$201.11
Sub Total		4,473	\$622.08	4,683	\$716.89
					\$/KwH 15.5%
Total Electrical Costs		485,128	\$42,752.51	482,186	\$49,080.20
Electrical Cost / MG			\$133.26		\$154.11
NATURAL GAS COSTS					
		2022		2023	
		CCF Used	Cost	CCF Used	Cost
Production Facility		2,241	\$2,465.78	1,709	\$970.05
South Basin		3,750	\$2,171.98	3,354	\$1,883.02
Raw Pump Station				313	\$193.76
Georgia St. Bstr.		84	\$99.63	91	\$70.15
Erie Ave. Bstr.		439	\$508.50	274	\$183.31
Wilgus Ave. Bstr.		48	\$66.94	34	\$36.79
Office & Maint. Bldg.		1,413	\$1,578.12	1,114	\$643.50
Total Natural Gas Costs		7,975	\$6,890.95	6,889	\$3,980.58
					\$/CCF -33.1%
Natural Gas Cost / MG			\$21.48		\$12.50
CHEMICAL COSTS					
		2022		2023	
		Lbs. Used	Cost	Lbs. Used	Cost
Alum		55,135	\$10,007.00	42,311	\$8,525.67
Carbon		0	\$0.00	0	\$0.00
Chlorine		5,481	\$8,111.88	5,163	\$10,480.89
Fluoride		1,571	\$2,183.69	1,306	\$2,640.08
KMnO4		0	\$0.00	0	\$0.00
Cationic Polymer		0	\$0.00	0	\$0.00
Liquid Phosphate		3,742	\$5,904.88	3,780	\$11,563.02
Total Chemical Costs			\$26,207.45		\$33,209.66
					26.7%
Chemical Cost / MG			\$81.69		\$104.28
Grand Total			\$75,850.91		\$86,270.44
					13.74%
Total Cost / MG			\$236.42		\$270.88
					14.58%

YTD HL 2023 vs 2022	-0.96%	YTD HL HIGH DAY PUMPAGE	15.876	June 21, 2023
YTD HL 2023 vs 2021	-1.71%	YTD HL LOW DAY PUMPAGE	9.294	January 1, 2023

NOTE:

	YTD HL Ave Day
2023	12.193
2022	12.253
2021	12.409

COMPARATIVE SUMMARY OF PLANT OPERATIONS

December 2022

vs

December 2023

Pumping Record

High Lift

Low Lift

	2022	2023	Diff.		2022	2023	Diff.
Tot. Water in MG	320.829	318.003	-0.88%	Tot. Water in MG	330.484	330.147	-0.10%
Daily Average	10.349	10.274	-0.72%	Daily Average	10.661	10.650	-0.10%
Maximum Day	12.942	12.517	-3.28%	Maximum Day	13.350	13.001	-2.61%
Minimum Day	7.102	7.136	0.48%	Minimum Day	6.910	6.970	0.87%
By Natural Gas	3.795	1.556	-59.00%	By Natural Gas	2.705	0.000	-100.00%
Power in KWH	263,621	266,000	0.90%	Power in KWH	66,474	66,356	-0.18%
Gals. per KWH	1,203	1,191	-0.96%	Gals. per KWH	4,931	4,975	0.90%
Power \$ / KWH	\$0.08114	\$0.09438	16.32%	Power \$ / KWH	----	----	----
Power \$ / MG	\$66.67	\$78.83	\$12.16	Power \$ / MG	\$16.32	\$18.97	\$2.65
Tot. Power \$/MG	\$134.52	\$155.03	\$20.51	Tot. Power \$/MG	----	----	----

Treatment Chem.

Lbs. Used

Cost

	2022	2023	Diff.		2022	2023	Diff.
Total Lbs.				Total Cost			
Alum	55,135	42,311	-23.26%	Alum	\$10,007.00	\$8,525.67	(\$1,481.33)
Carbon			#DIV/0!	Carbon	\$0.00	\$0.00	\$0.00
Chlorine	5,481	5,163	-5.80%	Chlorine	\$8,111.88	\$10,480.89	\$2,369.01
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	3,742	3,780	1.02%	Liquid Phosphate	\$5,904.88	\$11,563.02	\$5,658.14
Lb/ MG:				Cost / MG:			
Alum	166.8	128.2	-23.18%	Alum	\$30.28	\$25.82	(\$4.46)
Carbon	0.0	0.0	#DIV/0!	Carbon	#DIV/0!	#DIV/0!	#DIV/0!
Chlorine	16.6	15.6	-5.71%	Chlorine	\$24.55	\$31.75	\$7.20
KMnO4	0.0	0.0	#DIV/0!	KMnO4	#DIV/0!	#DIV/0!	#DIV/0!
Liquid Phosphate	11.3	11.4	1.12%	Liquid Phosphate	\$17.87	\$35.02	\$17.16

Fluoride:	2022	2023		Fluoride:	2022	2023	
Total Lbs.	1,571	1,306	-16.87%	Cost	\$2,183.69	\$2,640.08	\$456.39
mg/l applied as F	0.72	0.68		Cost/MG	\$6.82	\$8.30	\$1.48
Av. Res. Plt. Tap	0.71	0.70					

Water Quality:

Raw

TAP

	2022	2023
Turbidity	8.00	2.80
pH	8.27	8.31
Alkalinity	112.4	113.0
MF (E-Coli)	2.5	0.1
Temperature	36.5	37.9
Wash-H2O % /LL	2.94	2.22
Av. Flt. Run/hrs	91.2	92.9
Av. ROF / MG	1.31	1.43

	2022	2023
Turbidity	0.033	0.039
pH	7.61	7.72
Alkalinity	102.1	105.0
Plate Count	0.00	0.20
Colilert	0	0
Temp.	38.4	40.3
Cl Res.	0.90	0.88

Natural Gas:

	2022	2023		2022	2023	Diff.
Nat. Gas Heating	5,402	4,854	Plant & South Basin	\$5,988.83	\$2,734.16	(\$3,254.67)
Nat. Gas Pumping	590	210		\$648.63	\$118.91	(\$529.72)

	CCF	Cost	Natural Gas Cost	Natural Gas CCF
#3 Gas Pump	139.5	\$79.18	\$2,853.07	5,063
#4 Gas Pump	0.0	\$0.00		
#7 Gas Pump	0.0	\$0.00		
Electric Generator	70.0	\$39.73		
Pumping totals	209.5	\$118.91		

December 2023

% Run

Elapsed Time:

	1/1/2024	12/1/2023	
No. 6 Pump	75,912.5	75,706.6	205.9
Wash Pump Meter	5,923.89	5,900.78	23.11
No. 7 Pump	873.9	873.9	0.0
No. 8 Pump	59,540.3	59,540.3	0.0
No. 9 Pump	33,431.0	32,689.0	742.0
Wash Pump 2	184	177	7
No. 1 Prime Pump	1,057.3	1,056.1	1.2
No. 2 Prime Pump	1,140.1	1,138.3	1.8

Kw/Hr run

Wattour Meters:

Wash Pump 1	1329.1	1324.1	3,500
No. 9 Pump	6345.99	6294.47	51,516
No. 8 Pump	6837.1	6837.1	0
No. 6 Pump	2785.2	2732.2	14,840
Wash Pump 2	19,368.1	18,624	893
No. 1 Pump	10040.216	10037.63	2,586
No. 2 Pump	5002.007	4965.848	36,159
No. 3 Pump	1232.92	1101.437	131,483
No. 4 Pump			0
No. 5 Pump	13,014.721	12,918.949	95,772

Garage (MWatt/Hrs.)	1,118.33	1,112.85	5,480
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Power Co. (Step #3)	43,402	43,064	405,600
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Left Meter - OUTSIDE

Volume Used:

Nat. Gas (Correct)	46,552,910	46,425,954	159,584
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Elapsed Time:

Emer. Generator	1,162.9	1,159.4	3.5
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Elapsed Time:

No. 1 Pump	18,617.6	18,613.2	4.4
No. 2 Pump	21,331.56	21,180.58	150.98
No. 3 Elec. Pump	4,213.0	3,767.1	445.9
No. 3 Nat. Gas Pump	603.8	599.3	4.5
No. 4 Elec. Pump	0.00	0.00	0.0
No. 4 Nat. Gas Pump	155.4	155.4	0.0
No. 5. Pump	27,212.010	27,012.200	199.810
UV Building Generator	181.4	181.4	0

% Run

0.6%

20.3%

59.9%

0.6%

0.0%

0.0%

26.9%

0.0%

1/1/2024 12/1/2023

SLUDGE No. 1 Hour Meter	0.0	0.0	0
SYSTEM No. 2 Mag Meter	825,810	509,440	316,370
Recycle Meter (Reset to zero each month)			316,370

Power Cost	\$0.0943843	Bill >>>>	\$36,130.31
	0.36594	KWH >>>	382,800
Init. Chg.	\$38,282.27		
	\$	KWH	
Kohler Pit			
Horizon	\$292.45	1,857	
Taylor	\$343.72	2,341	
ALT. 72 Park	\$365.94	1,000	
Geo. Ave.	\$5,407.22	46,200	
Wilgus Ave.	\$428.20	2,900	
EE Pit	\$663.29	4,680	
EE Tower	\$172.06	1,104	
Washington	\$201.11	1,238	
Office	\$620.94	4,323	
Erie Ave.	\$2,595.45	14,800	
Total	\$49,372.65	486,043	

Low L. KWH 66,356

L.L. Cost \$ \$6,262.93

High L. KWH 266,000

H.L. Cost \$ \$25,106.22

Total Cost \$31,369.15

Plant Costs \$6,948.72

SUMMARY

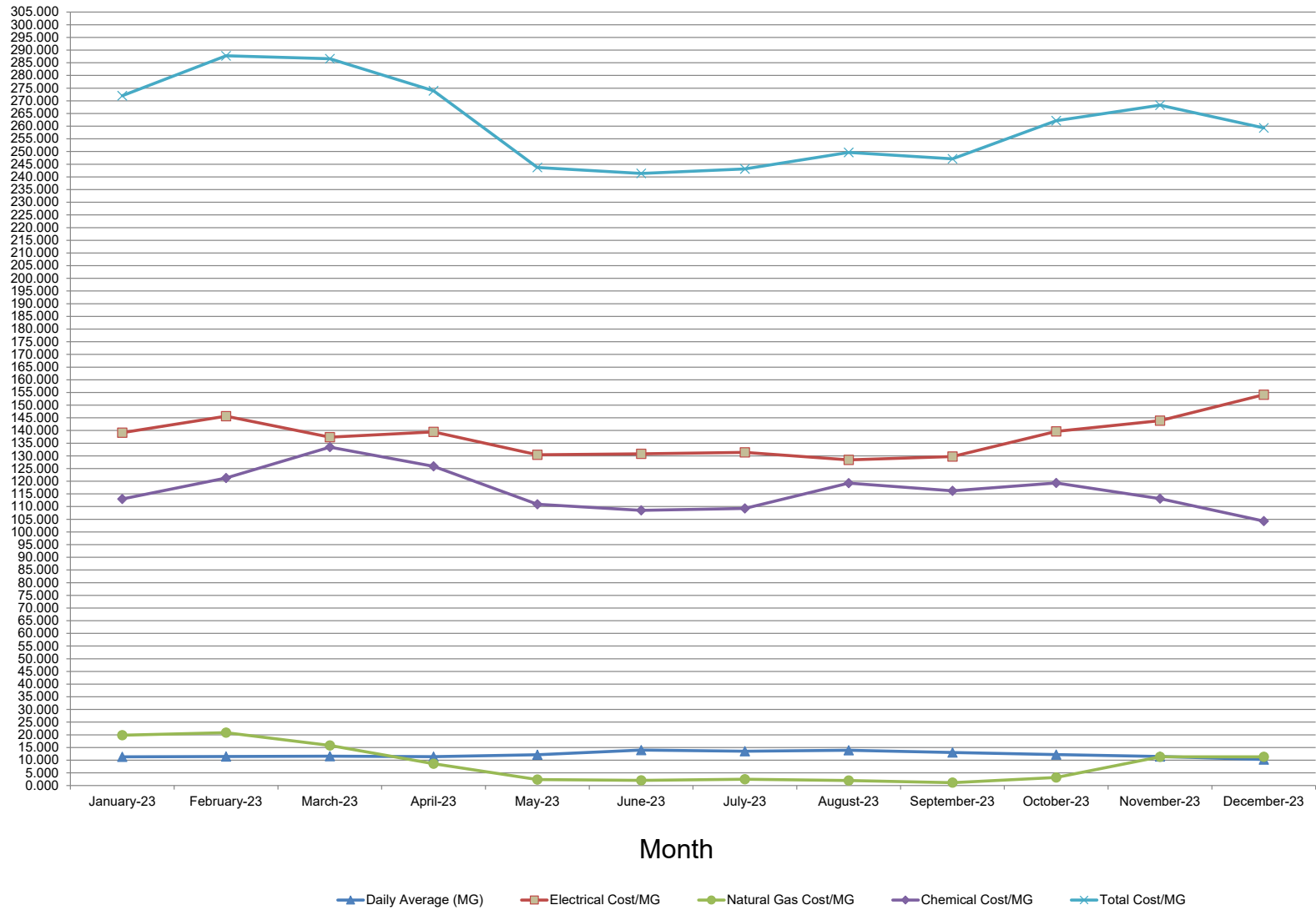
	HIGH LIFT		LOW LIFT	
	2022	2023	2022	2023
Tot. Pump	320.829	318.479	330.484	330.147
Daily Ave.	10.349	10.274	10.661	10.650
Max. Day	12.942	12.517	13.350	13.001
Min. Day	7.102	7.136	6.910	6.970
By Nat. Gas	3.795	1.556	2.705	0.000
Power KWH	263,621	266,000	66,474	66,356
Gals/KWH	1203	1191	4931	4975
Cost/KWH	\$0.08114	\$0.09438	*****	*****
Cost/MG	\$66.67	\$78.83	\$16.32	\$18.97
Tot. Cost/MG	\$134.52	\$155.03	*****	*****

HIGH LIFT DELIVERY		QUARTERLY REPORT		2023
I. FIRST QUARTER		Jan - Feb - Mar		
		GALLONS	COST \$	\$/MG
	2022	1,079,805,000	\$233,346.76	\$216.10
	2023	1,028,642,000	\$290,526.13	\$282.44
	Percent Difference	-4.74%	24.50%	30.70%
II. SECOND QUARTER		Apr - May - Jun		
		GALLONS	COST \$	\$/MG
	2022	1,114,560,000	\$220,553.73	\$197.88
	2023	1,136,726,000	\$286,793.50	\$252.30
	Percent Difference	1.99%	30.03%	27.50%
III. THIRD QUARTER		Jul - Aug - Sep		
		GALLONS	COST \$	\$/MG
	2022	1,253,674,000	\$258,395.90	\$206.11
	2023	1,240,280,000	\$306,280.54	\$246.94
	Percent Difference	-1.07%	18.53%	19.81%
IV. FOURTH QUARTER		Oct - Nov - Dec		
		GALLONS	COST \$	\$/MG
	2022	1,040,483,000	\$229,995.97	\$221.05
	2023	1,039,681,000	\$274,137.72	\$263.67
	Percent Difference	-0.08%	19.19%	19.28%
YEAR TO DATE : 2023				
ELECTRICITY CHEMICALS NATURAL GAS		GALLONS	COST \$	\$/MG
	2022	4,488,522,000	\$942,292.36	\$209.93
	2023	4,445,329,000	\$1,157,737.89	\$260.44
	Percent Difference	-0.96%	22.86%	24.06%
YEAR TO DATE : 2023				
SLUDGE DISPOSAL to WWTP		GALLONS	COST \$	
	2022	4,203,119	\$35,328.38	
	2023	4,838,061	\$62,503.75	
	Percent Difference	15.11%	76.92%	
STORM WATER CHARGES		2023	NA	\$0.00
HIGH LIFT SYSTEM DELIVERY :				
	Maximum Pumpage Day	15,876,000	June 21, 2023	
	Minimum Pumpage Day	9,294,000	January 1, 2023	

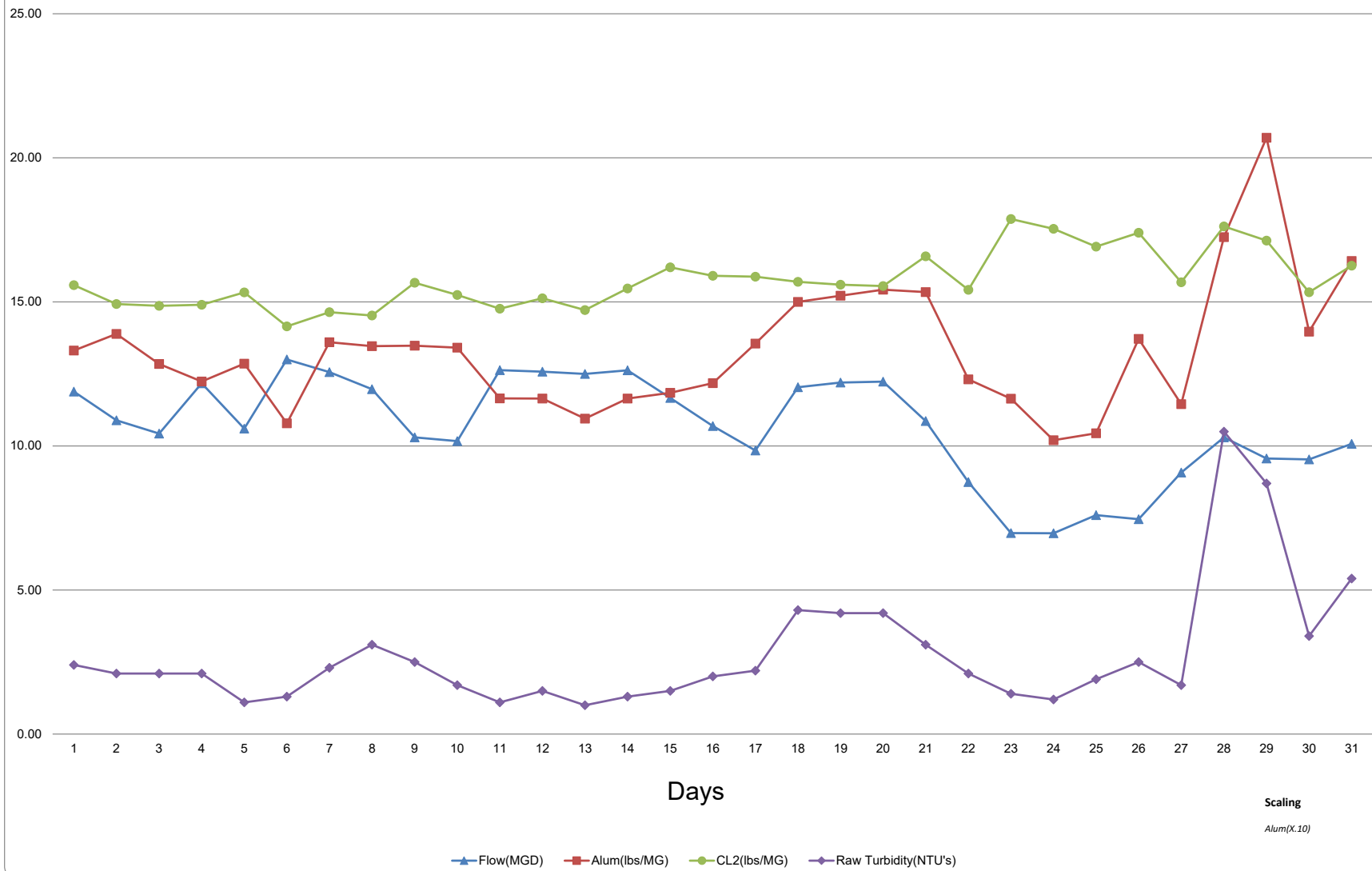
	MG	\$	\$/MG
2022	4,488,522,000	\$942,292.36	\$209.93
2023	4,445,329,000	\$1,157,737.89	\$260.44

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 2023 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 2023: Sheboygan Water Utility Plant Operations Summary



Filter Plant Maintenance Completed For December 2023

Subject	StartDate	EndDate	Description	
Laboratory Water Bath	1-Dec-23		Disassemble and repair water bath mixer bearings.	
Filter 3+4 Materials	1-Dec-23		Unload filter materials for filters 3+4.	
South Basin Bathroom	1-Dec-23		Clean south basin bathroom.	
Raw Water Pump Station	1-Dec-23		Tour raw water pump station.	
2" B.W. Basin Line	1-Dec-23		Finish removing/disposing old 2" PVC and brackets.	
Off loaded filter sand	4-Dec-23		Off loaded 4 trucks of filter sand and anthracite	
Off loaded filter caps	4-Dec-23		Off loaded filter caps and equipment for filter replacement	
H.L. Cooling Water	4-Dec-23		Begin design/planning H.L. cooling water repair.	
Monthly Filter plant report	4-Dec-23		Monthly filter plant report sent to supervisor	
Purchase requisitions and POs	4-Dec-23		Submitted purchase order requisitions and sent purchase orders to vendors for orders	
East Hypo analyzer reagents	5-Dec-23		Filled East Hypo analyzer reagents	
Cleaned East West analyzers	5-Dec-23		Cleaned, flushed and calibrated east and west Hypo analyzers	
Flushed South EFF analyzer	5-Dec-23		Flushed south basin effluent Hypo analyzer	
Cleaned south EFF INF	5-Dec-23		Cleaned south basin influent and effluent Hypo analyzers	
Cleaned south basin turbidity	5-Dec-23		Cleaned south basin turbidity analyzer	
Taylor wet floor	5-Dec-23		Turbidity drain plug was leaking and floor was cleaned up and drain plug fixed	
Dan operated afternoon	5-Dec-23	5-Dec-23	Dan covered 1st afternoon operations for mark	
Dakota Supply Group	5-Dec-23		Purchase 3/4" and 1 1/2" copper line and fittings.	
H.L. Cooling Water Feed	5-Dec-23		Begin fabricating/replacing 3/4" H.L. cooling water feed line.	
Wilgus pressure test	6-Dec-23		Wilgus pressure test on fire pump	
Taylor hill	6-Dec-23		Taylor hill to check dog house floor dried out and adjust heater	
Pulled Ops SCADA cable	6-Dec-23		Pulled new SCADA cable (CAT 6) for lower computer from Ops cabinet to closet	
Mopped Floors common areas	6-Dec-23		Swept and Mopped all common area floors	
Ran Zamboni filter hall	6-Dec-23		Ran Zamboni floor cleaner several times down filter hall to clean up from filter Vacuum job	
H.L. Cooling Water Feed	6-Dec-23		Install new 3/4" pressure regulating valve for H.L. pumps 2 + 3.	
Vacuumed rugs in front entrance	6-Dec-23		Removed rugs from plant, cleaned and vacuumed rugs from filter Vac truck job	
Removed plastic from entrance	6-Dec-23		Removed plastic curtains from front entrance after vac truck job	
Dan operating 1st shift	7-Dec-23	7-Dec-23	Dan covering 1st shift operations	
H.L. 2" RPZ Line	7-Dec-23		Remove old 1 1/2" gate valve, install new 1 1/2" ball valve, and remove old 2" galvanized line.	
H.L. 2" RPZ Line	7-Dec-23		Begin installing new 1 1/2" and 2" RPZ interconnect option.	
H.L. 2" RPZ Line Strut	7-Dec-23		Fabricate stainless steel strut and 3/8" holding H.L. 2" RPZ line.	
Dakota Supply Group	7-Dec-23		Purchase 1 1/2" strut clamps, 3/4" copper/male fittings, copper adapters, and pipe hangers.	
Dan 1st shift afternoon	8-Dec-23		Dan covered 1st shift operations in the afternoon for Jeff	
Dakota Supply Group	8-Dec-23		Purchase 1" insulated strut clamps.	
Fabricate S.S. Hangers	8-Dec-23		Fabricate S.S. hangers for H.L. 1 1/2" and 2" lines in pipe vault.	
H.L. 1 1/2"+2" RPZ Line	8-Dec-23		Mount new stainless steel strut supporting 1 1/2" + 2" H.L. RPZ line.	
H.L. Pipe Vault Lines	8-Dec-23		Fabricate strut and hanger assemblies for 1" pipe vault lines on East wall.	
H.L. Pipe Vault Lines	8-Dec-23		Install new strut attaching 1" pipe fault lines to East wall in high lift.	
Monday Meeting	11-Dec-23		Topics include coverage, self-assessment, holidays, raw water pump station, filter maintenance, etc.	
Front Hall Packages	11-Dec-23		Sort front hall packages and deliver to respective parties.	
H.L. Pipe Gallery	11-Dec-23		Coat new hangers and fasteners with primer/paint.	
H.L. Cleanup	11-Dec-23		Begin returning tools and parts to maintenance shop.	
Ortho Feed Pumps	12-Dec-23		Install new/updated rollers, hoses, and covers.	
Falls Glass	12-Dec-23		Pickup lock cylinders for raw water pump station.	
Self Assessment	12-Dec-23		Enter information into self-assessment.	
H.L. Cleanup	12-Dec-23		Continue H.L. cleanup.	
Menards	12-Dec-23		Purchase 3/8" and 1/2" stainless steel valves, 3/4" wire brush, and emery cloth.	
Filter 4	13-Dec-23		Label and remove surface sweeps.	
Filter 3	13-Dec-23		Label and remove surface sweeps	

Yellow indicates days operating or running labs

Dan Covering Laboratory	13-Dec-23	13-Dec-23	Dan covering laboratory for Eric.
Filter 4	13-Dec-23		Replace broken ¼" and 3/8" valves, remove galvanized pipe, and fabricate new ½" nipple assembly.
Filter 3	13-Dec-23		Replace broken 3/8" valve with stainless steel plug.
Georgia pump #4	14-Dec-23		Georgia pump station pump #4 has a bad mechanical seal and is out of service until pump seal can be fixed
Falls Glass	14-Dec-23		Pickup lock set for raw water pump station.
Maintenance Shop	15-Dec-23		Sweep and mop floor.
Filter Hall Floor	15-Dec-23		Sweep filter hall floor.
Hypo Feed Line Surround	15-Dec-23		Scale and apply rust reformer.
UV Reference Check	18-Dec-23		Perform UV reference check, new desiccant pack on West UVT% analyzer, and refill CLR bottles.
Georgia Ave.	18-Dec-23		Check reagents, walk grounds, begin prepping pump 4 for repair.
Horizon Ave.	18-Dec-23		Refill reagents, check heater, walk grounds, etc.
Dan Covering Laboratory	18-Dec-23	18-Dec-23	Dan covering laboratory for Eric.
Monday Meeting	18-Dec-23		Topics include coverage, Georgia pump 4, raw water improvement project, UV reference check, etc.
Georgia Ave. x 2	19-Dec-23		Remove valve turner for fabrication; need to add operating nut/bracket.
Wilgus Ave.	19-Dec-23		Check heat, walk grounds, and flush pressure meter line; found/left canned beans, oatmeal, and a syringe by transformer.
Erie Ave.	19-Dec-23		Check reagents, walk grounds, inspect generator fluid levels, etc.
Horizon Ave.	19-Dec-23		Check cathodic system.
EE Tower	19-Dec-23		Collect lab sample, check heater, and walk grounds.
Taylor Hill	19-Dec-23		Check regents, empty dehumidifier, and walk grounds.
Holiday Party	20-Dec-23		Holiday party in garage.
Copies for operations	20-Dec-23		Made copies for operations
Removed trash	20-Dec-23		Removed trash from filter plant
Viking electric	20-Dec-23		Viking electric for actuator fuses
Filter 2 Waste Valve	20-Dec-23		Replace 2A filter fuse and reset breaker.
Dakota Supply Group	20-Dec-23		Purchase filter fuses; out of stock.
S.B. influent analyzer	20-Dec-23		Cleaned, calibrated south basin influent analyzer
S.B. effluent analyzer	20-Dec-23		Cleaned and calibrated south basin effluent analyzer
S.B turbidity meter	20-Dec-23		Cleaned south basin turbidity meter
Lab tap hypo analyzer	20-Dec-23		Cleaned, calibrated and filled reagents on lab tap hypo analyzer
Menards	20-Dec-23		Purchase new chop saw and stand for filter maintenance.
Chop Saw and Stand	20-Dec-23		Assemble new chop saw and stand.
Georgia Handwheels	21-Dec-23		Continue fabricating handwheel to valve turner adapters.
Menards	21-Dec-23		C-clamps and chipping hammers.
Christmas Holiday	22-Dec-23	25-Dec-23	Christmas Holiday
Utility observed Christmas holiday	22-Dec-23		Utility observed Christmas holiday
Utility observed Christmas holiday	25-Dec-23		Utility observed Christmas holiday
Home Depot	26-Dec-23		Purchase and pickup filter 3+4 edge grout.
Operations Meeting	26-Dec-23		Topics include raw water improvement (missing pump checks), filter maintenance, coverage, and Georgia pump 4.
Filter 4	26-Dec-23		Chisel outside grout, loosen angle iron fasteners, and discard created waste.
Filter 3	26-Dec-23		Chisel outside grout, loosen angle iron fasteners, and discard created waste.
Dan 2nd shift for Mark	27-Dec-23	27-Dec-23	Dan covering 2nd shift for mark
Begin Priming Valve Adapters	27-Dec-23		File, scrub, and prime valve turner adapters.
Georgia Ave. Valve Turner Adapters	27-Dec-23		Finish drilling new holes for valve turner wheel adapters.
Filter 3	27-Dec-23		Begin removing caps, chipping, and cleaning Leopold top landings.
Filter 3	27-Dec-23		Install plywood catwalk.
Filter 3	27-Dec-23		Finish cleaning grout and pull angle iron for cleaning.
Filter 4	27-Dec-23		Finish cleaning up grout and pull angle iron for cleaning.
Josh 1st shift for Tyler	28-Dec-23	28-Dec-23	Josh covering 1st shift for Tyler
Dan covering morning labs	28-Dec-23	28-Dec-23	Dan covering morning lab work
Cleaned floors	28-Dec-23		Cleaned common area, bathroom and filter hall floors
Filter plant trash	28-Dec-23		Removed filter plant trash
Painting valve plates	28-Dec-23		Painting valve plates for Georgia ave pump station
New years Holiday	29-Dec-23	1-Jan-24	New years holiday
Utility observed new years	29-Dec-23		Utility observed new years