



BOARD OF WATERWORKS COMMISSIONERS AGENDA

January 15, 2024 at 3:30 PM

Water Utility Admin Office, 72 Park Avenue, Sheboygan WI

Persons with disabilities who need accommodations to attend this meeting should contact the Sheboygan Water Utility, (920) 459-3805. Persons other than commission, committee, and board members who wish to participate remotely shall provide notice to the Utility at 920-459-3805 at least 24 hours before the meeting so that the person may be provided a remote link for that purpose.

OPENING OF MEETING

1. Pledge of Allegiance

MINUTES

2. Approve minutes of the Dec. 18, 2023 meeting

REPORTS

- [3.](#) Financial reports and approval of vouchers
- [4.](#) Superintendent's report including operations, construction-maintenance, and customer relations/fiscal

ITEMS FOR DISCUSSION AND POSSIBLE ACTION

- [5.](#) Approval of sodium hypochlorite tank rehab work
- [6.](#) Approval of replacement filter rate of flow actuators
- [7.](#) Approval of R.O. transmitting 4th quarter report
8. Update on water rate case
- [9.](#) Review of ongoing health insurance costs

PERSONNEL

NEXT MEETING

10. Next meeting will take place on: Feb. 19, 2024

ADJOURN

11. Motion to Adjourn

In compliance with Wisconsin's Open Meetings Law, this agenda was posted in the following locations more than 24 hours prior to the time of the meeting:

City Hall • Mead Public Library
Sheboygan County Administration Building • City's website



REPORT OF BILLING

DECEMBER 2023

| | <u>2023</u> | <u>2022</u> | Increase or (Decrease) |
|----------------------------------|-------------------|-------------------|---------------------------|
| <u>Quarterly Metered*</u> | | | |
| (Dist I - north of Superior Ave) | | | |
| Residential | 229,789.20 | 236,256.33 | (6,467.13) |
| Multi-Family | 17,914.15 | 17,343.03 | 571.12 |
| Commercial | 13,877.66 | 14,220.73 | (343.07) |
| Industrial | 577.64 | 704.92 | (127.28) |
| Public | 4,197.79 | 5,352.96 | (1,155.17) |
| Subtotal | 266,356.44 | 273,877.97 | (7,521.53) |
| Public Fire Protection | 65,306.34 | 65,437.87 | (131.53) |
| Flat Rate | 32,386.90 | 32,212.55 | 174.35 |
| Monthly Metered | <u>346,331.01</u> | <u>340,970.51</u> | <u>5,360.50</u> |
| Sheboygan Net | 710,380.69 | 712,498.90 | (2,118.21) |
| Sheboygan Falls | 45,886.39 | 45,506.77 | 379.62 |
| Kohler | <u>25,527.10</u> | <u>24,119.09</u> | <u>1,408.01</u> |
| Total | 781,794.18 | 782,124.76 | (330.58) |

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

Total accumulative billing for 2023 is \$10,195,567.30. A decrease of \$14,703.37 from 2022 accounted for as follows:

| | <u>2023-Total Year to Date</u> |
|-----------------|--------------------------------|
| Sheboygan | 62,047.48 |
| Sheboygan Falls | (65,009.47) |
| Kohler | (11,741.38) |
| | (14,703.37) |

Total bills mailed December, 2023: 6,903

| | | | | |
|------------------|--------------|----------------|-------------------------------|------------|
| Residential | 6,165 | Wholesale | 5 Residential | 3 |
| Multi-Family | 85 | Multi-Family | 9 Multi-Family | 11 |
| Commercial | 214 | Commercial | 20 Commercial | 196 |
| Industrial | 6 | Industrial | 65 Industrial | 62 |
| Public | 34 | Public | 4 Public | 24 |
| Quarterly | 6,504 | Monthly | 103 Flat Rate | 296 |
| | | | PUBLIC FIRE PROTECTION | |



CASH RESERVE
December 31, 2023

| | |
|--|-------------------------------|
| Ending balance on report for November 30, 2023 | <u>9,250,508.30</u> |
| Plus: Receipts | 503,021.10 |
| Misc Receipts | 39,014.84 |
| Direct Pay Receipts | 414,534.58 |
| LSL Repayment | 13,906.78 |
| Money Market/CDARs Investment Interest | 12,484.65 |
| Minus: | |
| Disbursements - vendors and payroll | (5,316,329.52) |
| Bank Service Fees & Credits | 170.94 |
| Health & Dental Claims/Adm Costs | (69,326.65) |
| NSF Checks & Customer Refunds | (679.23) |
| Invoice Cloud/Paymentech Deposit Fees | (8,421.74) |
| Reallocate Sewer/Garbage - payments | 369.51 |
| Reallocate Sewer/Garbage - monthly | (602.96) |
| SDWL RWI Reimbursement | 4,362,576.37 |
| WRS Preliminary Reconciliation | (0.01) |
| Automated Credit Card Payments | (1,125.14) |
| Utility Water Payments | (4,188.04) |
| Ending Balance December 31, 2023 | <u>\$ 9,195,913.78</u> |

Note: The above amount includes:

| | |
|------------------------------------|-------------------------------|
| Bond Reserve Fund | 612,359.69 |
| LSL Revolving Loan Fund * | 344,831.36 |
| Money Market Investment | 1,020,402.59 |
| ARPA Money Market Restricted - RWI | 288,897.07 |
| 6 Month CD | 510,824.22 |
| 3 Month CD | 1,541,633.91 |
| 9 Month CD | 1,027,000.00 |
| Total | <u>\$ 5,345,948.84</u> |

| | |
|-------------------------------------|--------------|
| General Unrestricted Operating Cash | 3,849,964.94 |
|-------------------------------------|--------------|

*LSL revolving loan fund is cash available for funding LSL replacement and comes from customer repayment of LSL loans.



APPROVAL OF VOUCHERS
December 31, 2023

| | |
|--------------------------------------|------------------------|
| <u>Total Of The General Vouchers</u> | <u>\$ 5,099,514.74</u> |
| <u>Gross Payroll</u> | <u>\$ 205,443.29</u> |
| <u>Net Payroll</u> | <u>\$ 121,710.71</u> |

BOARD OF WATER COMMISSIONERS

 PRESIDENT

 SECRETARY

 MEMBER

 SUPERINTENDENT

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 |
| | | | | | |
| 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

| Total Lbs. | 2022 | 2023 | Diff. | Total Cost | 2022 | 2023 | Diff. |
|-------------------|--------|--------|---------|------------------|-------------|-------------|--------------|
| 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

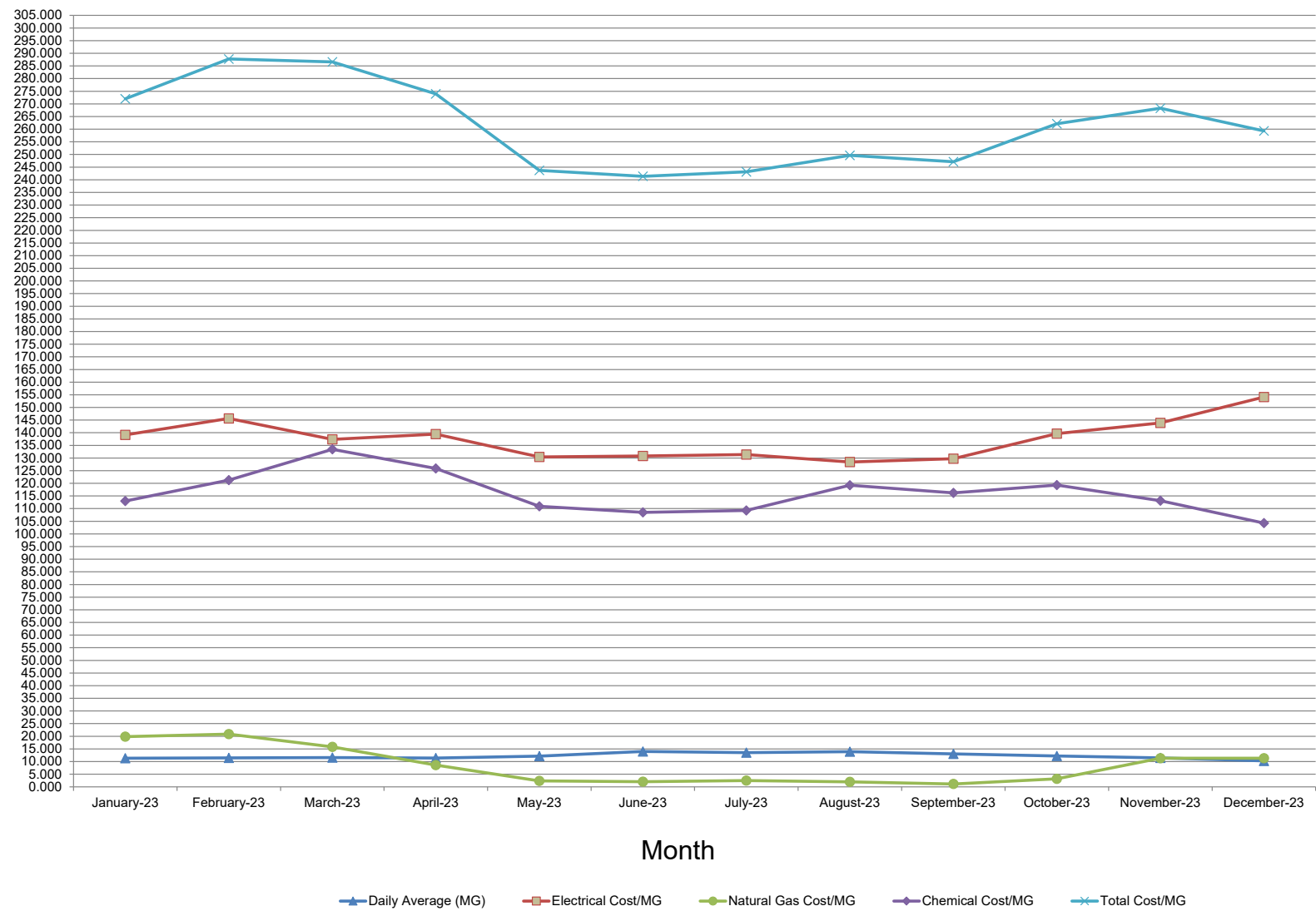
| | | 1/1/2024 | 12/1/2023 | | | 1/1/2024 | 12/1/2023 |
|-----------|--------------------------|------------|------------|-------------------------|--|-------------|-----------------------|
| % Run | Elapsed Time: | | | SLUDGE No. 1 Hour Meter | 0.0 | 0.0 | 0 |
| | No. 6 Pump | 75,912.5 | 75,706.6 | 205.9 | SYSTEM No. 2 Mag Meter | 825,810 | 509,440 |
| | Wash Pump Meter | 5,923.89 | 5,900.78 | 23.11 | Recycle Meter (Reset to zero each month) | | 316,370 |
| | 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 | | | |
| Kw/Hr run | No. 1 Prime Pump | 1,057.3 | 1,056.1 | 1.2 | Power Cost | \$0.0943843 | Bill >>>> \$36,130.31 |
| | No. 2 Prime Pump | 1,140.1 | 1,138.3 | 1.8 | | 0.36594 | KWH >>> 382,800 |
| #DIV/0! | | | | | Init. Chg. | \$38,282.27 | |
| | | | | | | \$ | KWH |
| 151.4 | Watt Hour Meters: | | | Kohler Pit | | | Low L. KWH 66,356 |
| | Wash Pump 1 | 1329.1 | 1324.1 | 3,500 | Horizon | \$292.45 | 1,857 |
| 69.4 | No. 9 Pump | 6345.99 | 6294.47 | 51,516 | Taylor | \$343.72 | 2,341 |
| | No. 8 Pump | 6837.1 | 6837.1 | 0 | ALT. 72 Park | \$365.94 | 1,000 |
| 72.1 | No. 6 Pump | 2785.2 | 2732.2 | 14,840 | Geo. Ave. | \$5,407.22 | 46,200 |
| | Wash Pump 2 | 19,368.1 | 18,624 | 893 | Wilgus Ave. | \$428.20 | 2,900 |
| 127.6 | No. 1 Pump | 10040.216 | 10037.63 | 2,586 | EE Pit | \$663.29 | 4,680 |
| | No. 2 Pump | 5002.007 | 4965.848 | 36,159 | EE Tower | \$172.06 | 1,104 |
| 582.4 | No. 3 Pump | 1232.92 | 1101.437 | 131,483 | Washington | \$201.11 | 1,238 |
| | No. 4 Pump | | | 0 | Office | \$620.94 | 4,323 |
| 239.5 | No. 5 Pump | 13,014.721 | 12,918.949 | 95,772 | Erie Ave. | \$2,595.45 | 14,800 |
| | | | | | Total | \$49,372.65 | 486,043 |
| 294.9 | Garage (MWatt/Hrs.) | 1,118.33 | 1,112.85 | 5,480 | | | |
| | Power Co. (Step #3) | 43,402 | 43,064 | 405,600 | | | |
| #DIV/0! | Left Meter - OUTSIDE | | | | | | |
| | Volume Used: | | | | | | |
| | Nat. Gas (Correct) | 46,552,910 | 46,425,954 | 159,584 | | | |
| 479.3 | | | | | | | |
| | | | | | | | |
| 0.6% | Elapsed Time: | | | Tot. Pump | 320.829 | 318.479 | 330.484 |
| | Emer. Generator | 1,162.9 | 1,159.4 | 3.5 | Daily Ave. | 10.349 | 10.274 |
| 20.3% | | | | | Max. Day | 12.942 | 12.517 |
| | | | | | Min. Day | 7.102 | 7.136 |
| 59.9% | Elapsed Time: | | | By Nat. Gas | 3.795 | 1.556 | 2.705 |
| | No. 1 Pump | 18,617.6 | 18,613.2 | 4.4 | Power KWH | 263,621 | 266,000 |
| 0.6% | No. 2 Pump | 21,331.56 | 21,180.58 | 150.98 | Gals/KWH | 1203 | 1191 |
| | No. 3 Elec. Pump | 4,213.0 | 3,767.1 | 445.9 | Cost/KWH | \$0.08114 | \$0.09438 |
| 0.0% | No. 3 Nat. Gas Pump | 603.8 | 599.3 | 4.5 | Cost/MG | \$66.67 | \$78.83 |
| | No. 4 Elec. Pump | 0.00 | 0.00 | 0.0 | Tot. Cost/MG | \$134.52 | \$155.03 |
| 0.0% | No. 4 Nat. Gas Pump | 155.4 | 155.4 | 0.0 | | | |
| | No. 5 Pump | 27,212.010 | 27,012.200 | 199.810 | | | |
| 26.9% | UV Building Generator | 181.4 | 181.4 | 0 | | | |
| | | | | | | | |
| 0.0% | | | | | | | |
| | | | | | | | |

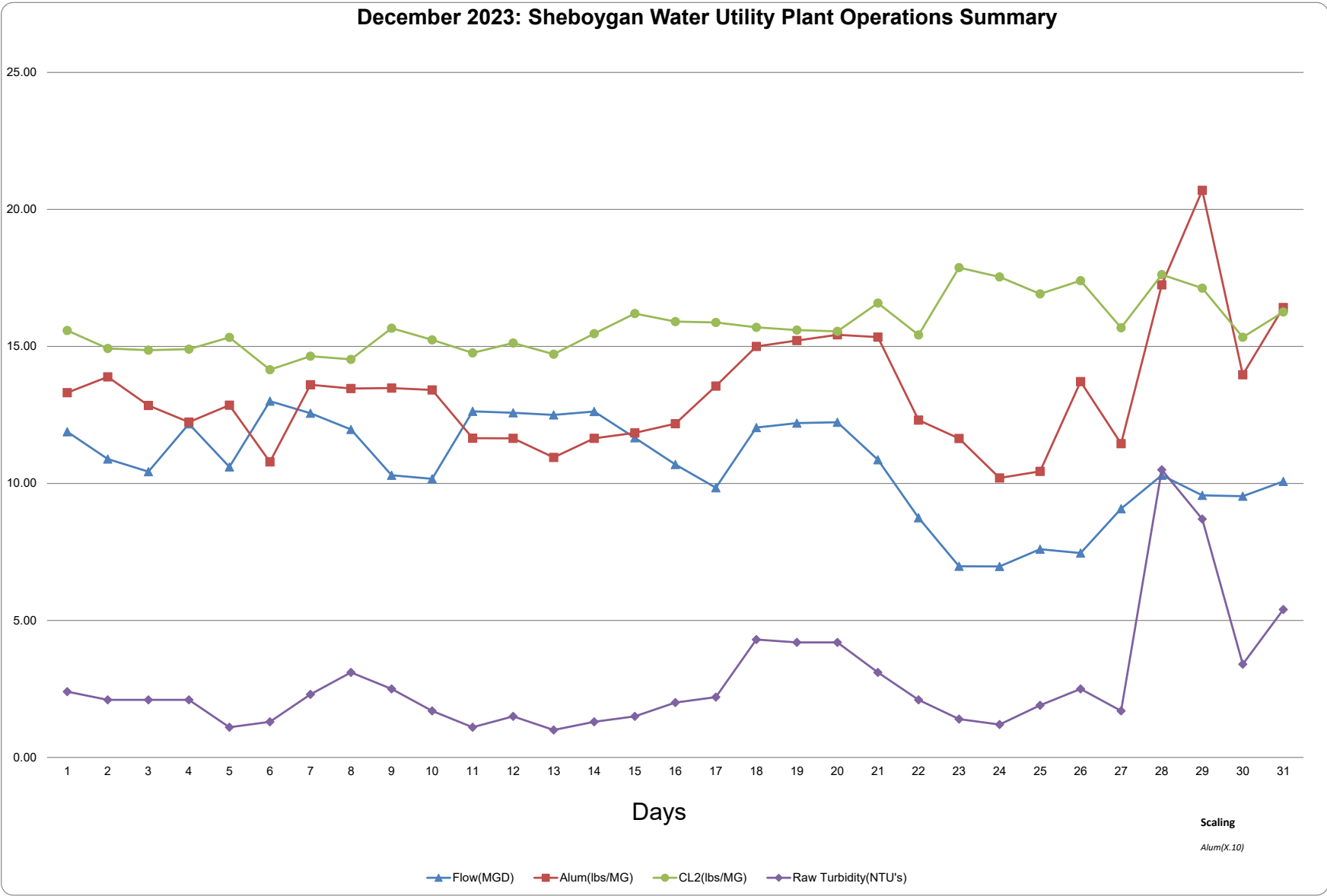
| HIGH LIFT DELIVERY | | QUARTERLY REPORT | | 2023 |
|---|---------------------|------------------|-----------------|----------|
| I. FIRST QUARTER | | Jan - Feb - Mar | | |
| | | GALLONS | COST \$ | \$/MG |
| | 2022 | 1,079,805,000 | \$233,346.76 | \$216.10 |
| | 2023 | 1,028,642,000 | \$290,526.13 | \$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





Filter Plant Maintenance Completed For December 2023

| Subject | StartDate | EndDate | Description | Yellow indicates days operating or running labs |
|---------------------------------|-----------|----------|--|---|
| 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 | |

| | | | |
|------------------------------------|-----------|-----------|--|
| 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 |



MONTHLY DISTRIBUTION DEPARTMENT REPORT

December 2023

Distribution System Maintenance:

- Repaired watermain break on S 16th Street.
- Concrete restoration of water main break service hole.
- Hauled out spoils, and hauled fill back in.
- Worked on winter hydrant checks.

Taps:

- 1" tap at 2103 S 7th Street. Lead service was removed from the system.

Building/Grounds Maintenance:

- General shop maintenance and cleaning.
- Built storage racking and organized pipe yard.
- Cleaned, inspected, and replaced light bulbs at Taylor Hill.
- Aided Operations in the start of Filter #3 and #4 repair work.

Equipment Maintenance:

- Performed routine maintenance and repairs on construction equipment and vehicle fleet.
- Maintenance of concrete trailer.

Engineering:

- Continued work on water main design on Lincoln Avenue project.
- Monthly map and database updates.
- Continued design of Lincoln Ave and S 11th St. LSL project.
- Water service replacement record updates.



Distribution System -- December 2023

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

| Location | Date Installed | Size ("), Jt | Installed By | Type |
|----------|----------------|--------------|--------------|------|
|----------|----------------|--------------|--------------|------|

Total Valves Installed = 0

Street Valves and Hydrant Valves Removed

| Location | Installed | Abandoned | Type |
|----------|-----------|-----------|------|
|----------|-----------|-----------|------|

Total Valves Removed = 0

Street Valves and Hydrant Valves Abandoned

| Location | Installed | Abandoned | Type |
|----------|-----------|-----------|------|
|----------|-----------|-----------|------|

Total Valves Abandoned = 0

Street Valves and Hydrant Valves Maintained

| Location | Maintained | Size | By |
|----------|------------|------|----|
|----------|------------|------|----|

Total Valves Maintained = 0

Hydrants Installed (including water main projects and others)

| Location | Installed | Tr Size | Valve | By |
|----------|-----------|---------|-------|----|
|----------|-----------|---------|-------|----|

Total Hydrants Installed = 0

Hydrants Removed (including water main projects and others)

| Location | Installed | Removed | Hyd Valve? |
|----------|-----------|---------|------------|
|----------|-----------|---------|------------|

Total Hydrants Removed = 0

Hydrants Abandoned (including water main projects and others)

| Location | Installed | Abandoned | Tr Size | Hyd Valve? |
|----------|-----------|-----------|---------|------------|
|----------|-----------|-----------|---------|------------|

Total Hydrants Abandoned = 0

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

| Location | Installed | Maintained |
|----------|-----------|------------|
|----------|-----------|------------|

Total Hydrants Maintained/Moved = 0

Water Main Breaks

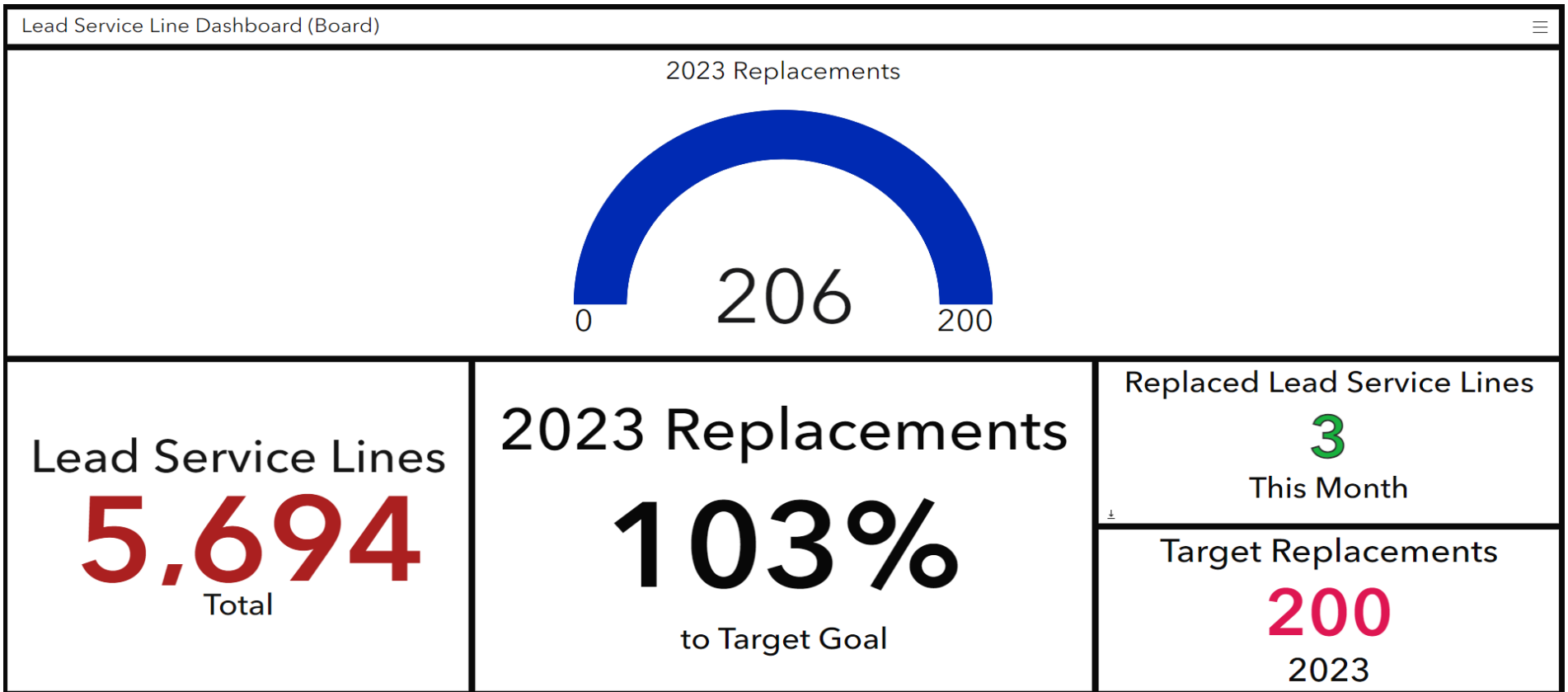
| Location | Date | Size |
|--------------------|-----------|------|
| 813 S. 16th street | 12/7/2023 | 6" |

Number of Water Main Breaks= 1



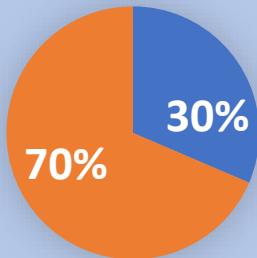
SUMMARY

| | | |
|---|-----|------------|
| Number of feet of 4 inch water main installed | 0.0 | water main |
| Number of feet of 6 inch hydrant lead installed | 0.0 | |
| Number of feet of 6 inch water main installed | 0.0 | |
| Number of feet of 8 inch water main installed | 0.0 | |
| Number of feet of 12 inch water main installed | 0.0 | |
| Number of feet of 16 inch water main installed | 0.0 | |
| Number of feet of 20 inch water main installed | 0.0 | |
| Number of feet of 24 inch water main installed | 0.0 | |
| Number of feet of water main abandoned or removed | 0.0 | |
| Number of water main breaks repaired | 1 | hydrants |
| Number of hydrants installed | 0 | |
| Number of hydrants removed or abandoned | 0 | |
| Number of hydrants maintained or moved | 0 | valves |
| Number of street valves installed | 0 | |
| Number of hydrant valves installed | 0 | |
| Number of street valves removed or abandoned | 0 | |
| Number of hydrant valves removed or abandoned | 0 | |
| Number of valves maintained | 4 | |
| Number of water connections installed | 1 | |

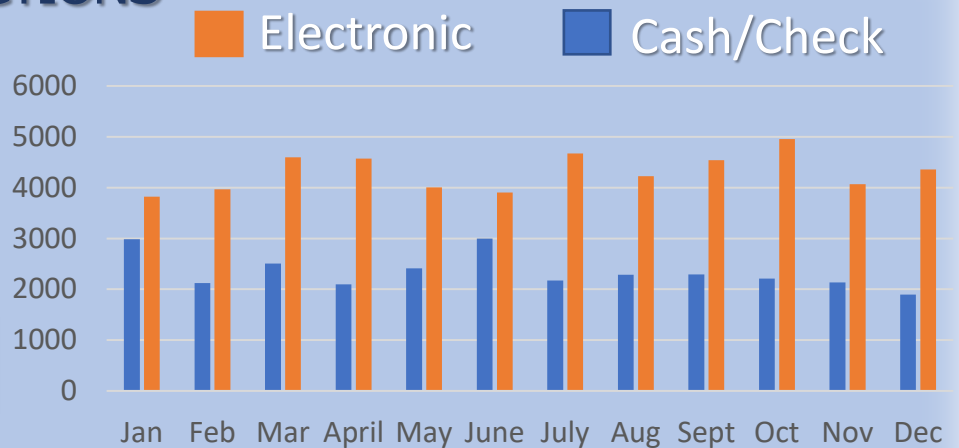


CUSTOMER RELATIONS & FISCAL SUMMARY

PAYMENT TRANSACTIONS



6,249
Total # of
Payments Processed



COLLECTIONS

District 2

\$1,126,533

Total Billed

\$242,971

Outstanding
After Due Date

1,354

Past Due Letters Mailed

0

Disconnection
Letters Mailed

0

Properties Disconnected

\$108,343

Outstanding At
Month End

PAYMENTS BY SOURCE

| | December 2022 | December 2023 |
|---|---------------|---------------|
| Payment Window <small>(Cash/Check)</small> | 339 | 295 |
| Drop Box Payments | 122 | 76 |
| Electronic Payments | 4266 | 4356 |
| Mail Payments | 1936 | 1817 |
| Total Payments | 339 | 295 |

Payments Returned **9**

UTILITY BILLS

Mailed*
5,284

Total Paperless
1,455

Total Emailed
Statements
3,495



DECEMBER
2023

*Due to tax roll process, no disconnections took place in Dec.

*Moving forward, this number
Includes Monthly billed customers.

CUSTOMER RELATIONS & FISCAL SUMMARY

PROPERTY TRANSACTIONS

| | December 2022 | December 2023 |
|-----------------------------------|------------------|------------------|
| Account Transfers <i>(Finals)</i> | 177 | 122 |
| Property Data Requests | 59 | 56 |

PSC COMPLAINTS

0 PSC Complaint(s) Filed

ACCOUNTS PAYABLE

213 Invoice Items Paid

CUSTOMER SERVICE



98

Customer Service Email
Requests Completed



435

USS Calls Answered



27:24

USS Hours
On the Phone



69

Lead ST Calls Completed
(Incoming & Outgoing)



6:15

Lead ST Hours
On the Phone

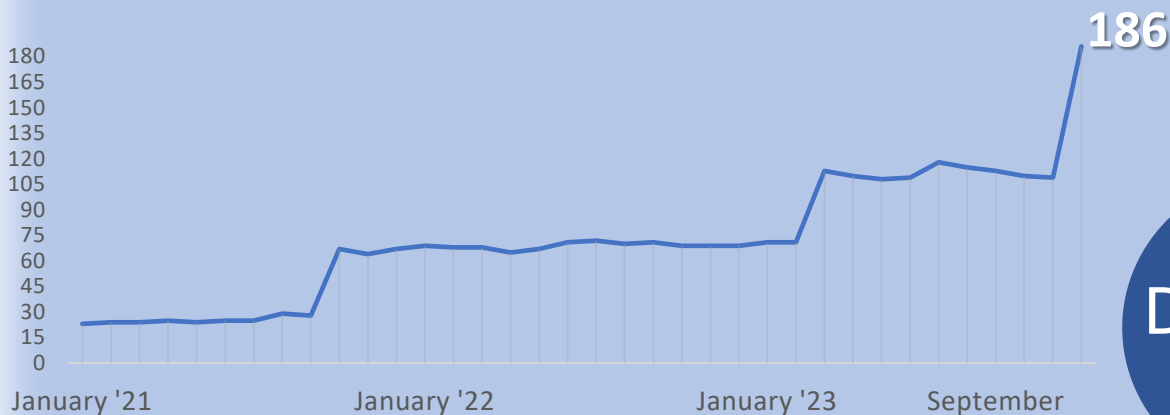
CUSTOMER ASSISTANCE PAYMENTS

Number of Payments Received: **2**

Total Dollars: **\$369.64**

*Payments received from Wisconsin Emergency Rental Assistance Program, LIHWAP, Salvation Army, and St. Vincent DePaul for customer benefit.

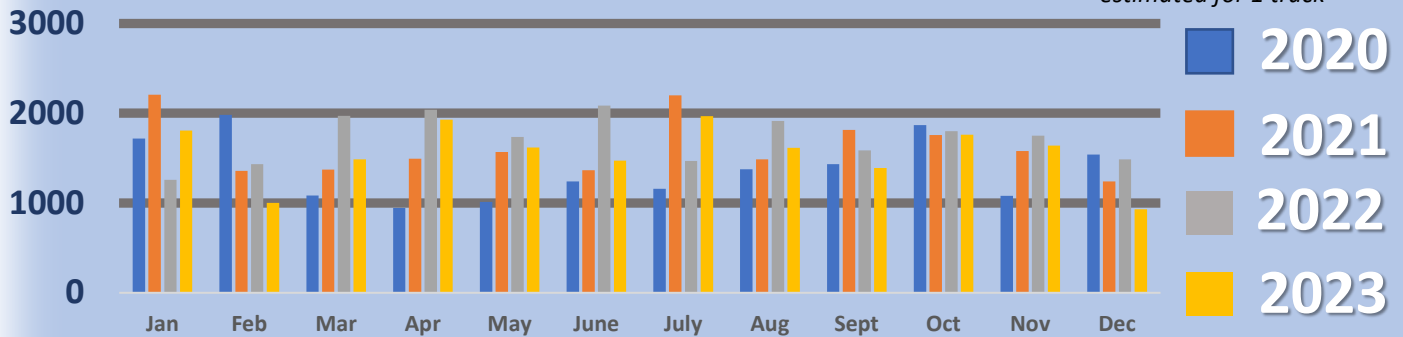
LEAD SERVICE LINE REPLACEMENT LOANS



**DECEMBER
2023**

CUSTOMER RELATIONS & FISCAL SUMMARY

SERVICE TECH MILES DRIVEN



CROSS CONNECTION

46 Inspections by SWU

42 Inspections by Hydro Corp

8 Facilities with Compliance Issues



LEAD EDUCATION

3 WDNR Lead in Drinking Water brochures distributed at home visits

TROUBLESHOOTING WORK ORDERS COMPLETED

63 Work orders completed for high consumptions, zero/low, and checks.

LEAK ALLOWANCES ISSUED

1 Customer Requests

21 CCF Allowed @ Reduced Rate



SERVICE LEAKS

2 New Reported Leak(s)

3 Leak(s) Fixed or Off

1 Active Leak(s) Month End

METERS

75

Meters

Installed/Replaced

74

Meters Tested



DECEMBER
2023

CUSTOMER RELATIONS & FISCAL SUMMARY

FACEBOOK PAGE

932



Total Page Follows & Likes

WEBSITE VISITORS

3,144



2023 Visits in December: 3,125

Top Page Viewed: **Pay Your Bill**

ADDITIONAL CR/F ACTIVITIES DECEMBER

- ◆ Service Techs (STs) continue their work replacing and testing water meters.
- ◆ USSs issued bills to District 1 and Monthly customers.
- ◆ Loan Documents and Invoices were mailed and collected for summer 2023 LSL Replacement projects.
- ◆ Concluded recruitment for a new Utility Support Specialist.

DECEMBER
2023

SHEBOYGAN WATER UTILITY

RAW WATER IMPROVEMENTS



CONSTRUCTION PROGRESS REPORT

January 2024

Project Description

This Project consists of the installation, testing, and commissioning of a new 4,250 SF low lift pump station, a new sixty-inch diameter raw water intake and future intake stub, a new chemical storage and feed system, yard piping and site improvements, and other associated work. C.D. Smith is the General Contractor and Kokosing is the subcontractor completing the intake work in Lake Michigan.

Monthly Progress

C.D. Smith has completed the following work this month:

- CDS completed installation of concrete steps adjacent to garage.
- Pieper continued electrical gear assembly in the electrical room.
- Pieper continued conduit, wire, and cable installations throughout pump station.
- Total Energy completed generator load bank testing.
- August Winter started vertical turbine pump and motor installations.
- August Winter continued HVAC installations throughout pump station.
- August Winter installed FW pipe throughout pump station.
- August Winter installed gas pipe throughout pump station.
- Kokosing completed main line intake pipe installation, installed chemical feed line pipe, and installed the intake structure.
- Nations Roof installed standing seam metal pump station roof.
- Porta Painting completed interior pump station wall painting.
- Masonry wall joints were caulked.

Contract Amount

To date, 93.1% of the Contract value has been completed.

| | Amounts |
|-------------------------------|-----------------|
| Original Cost of Project | \$41,289,000.00 |
| Total Change Orders to Date | \$572,533.88 |
| Total Cost of Project to Date | \$41,861,533.88 |
| Total Completed to Date | \$38,952,328.85 |
| Retainage | \$2,093,076.69 |
| Approved Payments to Date | \$36,859,252.16 |
| Balance to Finish | \$5,002,281.72 |

Change Management

A total of (9) Change Orders valued at \$572,533.88 have been approved to date.

Contract Duration and Schedule

The Notice to Proceed for the project was issued May 17, 2022. The Substantial Completion date is February 6, 2024 and the Final Completion date is April 6, 2024. Work related to Change Order # 7, Drive Entrance Modifications and final contract paving activities, will be complete by June 3, 2024.

Construction Photos

Progress photos below:



Concrete stair placement adjacent to garage.



Electrical gear assembly and conduit installation.



Electrical cable terminations at transformer.



Load bank set up for generator testing.



Vertical turbine pump and motor installation.



Air handling unit and ductwork at mezzanine level.



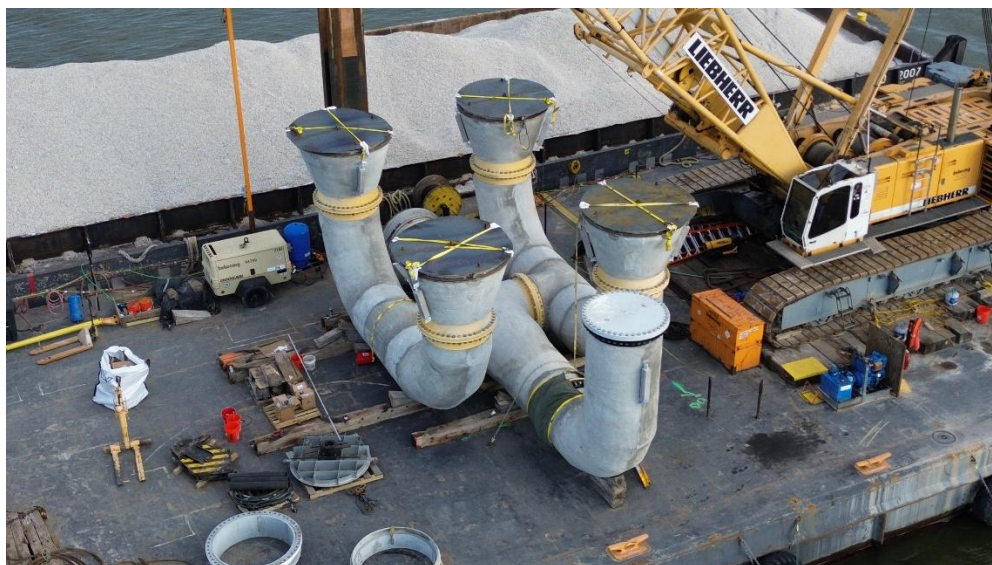
Water and gas pipe connections at water heaters.



Intake chemical feed line spool set up for pull.



Chemical feed line pulling head positioned for pull.



Intake structure assembled on crane barge.



Intake structure lifted off crane barge.



Intake structure submerged into position.



Standing seam metal roof installation activities.



Aerial view of standing seam metal roof installation.



Generator room wall painting.



Exterior masonry joint caulking.

Date: January 10, 2024
 To: Joe Trueblood, Utility Superintendent
 From: Bill Swearingen, Operations Supervisor
 Subject: Sodium Hypochlorite Bulk Tank Relining

The sodium hypochlorite bulk storage system has been in service for 24 years. The storage tanks are drained, inspected, and cleaned every two years and have required minimal maintenance. Unfortunately, operations staff are starting to see corrosion of the tank fittings resulting in chemical leakage at each flange.

After an onsite assessment, Fiberglass Solutions LLC provided a recommendation and comprehensive quote that includes:

- Relining of one tank- this work is highly recommended to extend the working life of each tank.
- Replacement fittings- fittings are corroded and need replacement.
- Installation of a side manway for safe entry and ease of work

We have 3 bulk tanks, so with this approach we can schedule one tank relining and fitting replacement per year (i.e. 2024, 2025, 2026). The relining and fitting replacement work extends the tank life 7-10 years and we can continue to reline each tank in the future as needed. NOTE: The side manway cost would not be included in future tank relining and fitting replacement work (7-10 year mark). This would decrease overall costs by ~\$3,000, so a future tank relining/fitting replacement cost would be~ \$14,500 per tank.

A new tank's life expectancy is 10-14 and estimated cost of ~\$24K, but that does not include installation/mobilization costs by a mechanical a contractor and requires removal and replacement of all piping and containment wall.

I would like to recommend and ask for approval of the proposal provided by Fiberglass Solutions LLC. The proposal includes all materials, labor, travel, and expenses required to complete the work.

Budget Item (2023): \$150,000.00

Sodium Hypochlorite Chemical Storage System

| | | |
|--|--------|-------------|
| (1) FRP Bulk Tank Relining with Fittings Replacement | Total: | \$17,507.00 |
|--|--------|-------------|



Quote

Do What's Right
Take Action & Be Accountable
Be Generous
Demonstrate Solution Based Thinking

| | |
|--------------|-------------------|
| Date: | December 14, 2023 |
| Valid Until | 1/13/2024 |
| Quote #: | 694 |
| Customer ID: | |

Customer:

Bill Swearingen
Sheboygan Water Utility
72 Park Ave,
Sheboygan, WI 53081
920-459-3812

Quote/Project Description

Tank Relining Proposal

| Item No: | Description | Quantity | Unit Price | Line Total |
|----------|---|----------|-------------|-------------|
| 1.00 | Tank Relining - Application of Qty. 1 layer 3 oz/sq. ft. chopped strand mat fiberglass - Application of Qty. 2 layers C veil (corrosion barrier) - Application of resin barrier - Resin to be Derakane Signia 411 with BPO cure (or equal) - Installation of Qty. 1 - 24" 30 psi FRP side Manway - 304 SS bolts and washers for manway - Viton Gasket - includes all compromised flanges to be replaced - Tank sidewalls and floor to be sanded/ground for preparation prior to application of FRP materials - Includes post-cure in accordance with resin manufacturer's recommendations - Tank to be clean and dry prior to arrival - Work to be completed during normal business hours - Work anticipated to take approximately 3.5 - 4.5 days - Work to be completed by confined space certified technicians - Work includes all required safety equipment for confined space entry - Includes all materials, labor, travel and expenses | 1.00 | \$17,507.00 | \$17,507.00 |
| | | | | |

| | |
|------------------|-------------|
| Subtotal | \$17,507.00 |
| Sales Tax (5.5%) | |

| | |
|--------------|--------------------|
| Total | \$17,507.00 |
|--------------|--------------------|

Special Notes and Instructions

Once signed, please email it to the provided address.

Standard payment terms are 30% down payment ARO with remainder due N30 upon completion.

Please note we only cover sales tax for the State of Wisconsin. If the job is completed outside of the State of Wisconsin, the Customer will be responsible for paying the Use Tax if they are not sales tax exempt.

Above information is not an invoice and only an estimate of services/goods described above.

Payment will be collected in prior to provision of services/goods described in this quote.

Please confirm your acceptance of this quote by signing this document

Signature

Print Name

Date

If you have any questions concerning this quote, please contact Ben Bertram at 920-217-3965.

Thank you for your business!

995 Waube Lane, Green Bay, Wisconsin 54304
920-468-6261 or ben@fiberglasssolutions.us

Date: January 10, 2024
 To: Joe Trueblood, Utility Superintendent
 From: Bill Swearingen, Operations Supervisor
 Subject: Filter Effluent Electric Actuators (Filters 8-11)

I would like to recommend replacing filter's 8-11 rate of flow electric actuators originally installed in 2002. These actuators are installed on the filter effluent piping and control the flow through the filter beds via SCADA. Filter 7 rate of flow actuator was problematic and was replaced 2017. Filters 1-6 rate of flow actuators were replaced in 2023.

The attached proposal includes programming, startup, and installation services.

2024 Budget Item: \$50,000.00

| <u>Items</u> | <u>Unit</u> | <u>Total</u> |
|-------------------------------|------------------|--------------|
| (2) Filter Effluent Actuators | \$9,872.00 | \$19,745 |
| (2) Filter Effluent Actuators | \$7,655.00 | \$15,310 |
| | Quotation Total: | \$35,055.00 |

To: Sheboygan Water Utility
 Ref: Filter 8-11 Rate Of Flow Valve-Replacement Actuators
 Attn: Andy Wellman & Bill Swearigan

Date: 12/13/2023
 Proposal No. Q2672dzsh
 Page: one of one
 Industry Code: 4952

FOB: Pre-Pay & Add
 Terms: N30
 Delivery: An

Make Order To: Dorner Company
 N61 W23043 Silver Spring Dr.
 Sussex, WI 53089

Phone No: (262) 932-2100

Sales Contact: Gordie Hoeft

Prepared By: Pete Pronold

| Item | Quan. | Description | Unit Price | Total |
|------|-------|---|------------|-----------|
| 1 | 2 | Replacement Auma SAR10.2-26/GS100.3 electric actuator for use with Filter 10-11 rate of flow 16" DeZurik BAW butterfly valve, Auma SO A01-3239. Pricing includes (2) two Dorner Service Technicians to remove existing actuators and install new actuators as described above. NOTE: All field wiring is by others. | \$ 9,872 | \$ 19,745 |
| 2 | 2 | Replacement Auma SAR07.6-26B/GS63.3 electric actuator for use with Filter 8-9 rate of flow 12" Bray 30 butterfly valve. Auma SO A02-6083. Pricing includes (2) two Dorner Service Technicians to remove existing actuators and install new actuators as described above. NOTE: All field wiring is by others. | \$ 7,655 | \$ 15,310 |
| | | Auma electric actuator with features below | | |
| | | Modulating service | | |
| | | 480/60/3 power | | |
| | | Six programmable relays | | |
| | | Space heater in switch compartment | | |
| | | Side mounted handwheel override | | |
| | | Aumatic controls including solid state starters, power supply, phase disciminator, local control station, 20 X 4 character LED display | | |
| | | Positioner - 4-20 ma input signal | | |
| | | 24 VDC control voltage | | |
| | | MWG position transmitter | | |
| | | Double seal terminal compartment | | |
| | | 30 second speed of operation | | |
| | | GS63.3/GS100.3 gearbox with indicator | | |
| | | NEMA 6P enclosure | | |
| | | Total | | \$ 35,055 |

Notes: Prices quoted are FOB Factory with freight pre-pay & add. Quote valid for 30 days. Any applicable taxes are not included in the above pricing. Delivery times are estimated and are not guaranteed.

R. O. No. 12 - 31 - 23. By BOARD OF WATER COMMISSIONERS. January 18, 2023

We, hereby, submit the Board of Water Commissioners' Report on the Water Utility for the fourth quarter of 2023.

The water pumpage decreased 0.08% from the same period in 2022. 1,039,681,000 gallons were pumped in the fourth quarter 2023, compared to 1,040,483,000 in 2022.

The 2023 audited balance sheet and income statement will be submitted separately in April 2024 upon completion of the final audit.

Construction-Maintenance:

Construction-maintenance work by the Water Utility during the fourth quarter of 2023:

| | |
|--|------|
| Number of feet of 4 inch water main installed | 0.0 |
| Number of feet of 6 inch hydrant lead installed | 0.0 |
| Number of feet of 6 inch water main installed | 0.0 |
| Number of feet of 8 inch water main installed | 0.0 |
| Number of feet of 10 inch water main installed | 0.0 |
| Number of feet of 12 inch water main installed | 36.5 |
| Number of feet of 16 inch water main installed | 0.0 |
| Number of feet of 20 inch water main installed | 0.0 |
| Number of feet of 24 inch water main installed | 0.0 |
| Number of feet of water main abandoned or removed..... | 0.0 |
| Number of water main breaks repaired | 2 |
| Number of fire hydrants installed, replaced, relocated, removed, flushed, or major repairs made.... | 0 |
| Number of water main valves installed, repaired, removed, or replaced | 6 |
| Number of water service connections installed | 10 |

Details are shown on the attached spreadsheets.

Other Utility Business:

Work was completed on installation of the new intake pipeline and inlet. Work continues on the raw water pumping station, with completion anticipated in late spring 2024. The Utility submitted a rate case to WI Public Service Commission and anticipates new rates going into effect by March 2024 to offset costs related to the intake pipeline project. Work also began on rehabilitation of two additional water filters in the treatment plant. The Utility also implemented a new water bill format.

BOARD OF WATER COMMISSIONERS

Gerald R. Van De Kreeke, President

Thomas E. Howe, Secretary

Richard Dale, Member

Attachments - Distribution System Quarterly Report
High Lift Delivery Operations Quarterly Report



Distribution System -- 4th Quarter - October, November, and December 2023

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

| Location | Date Installed | Size ("), Jt | Installed By | Type |
|--|----------------|--------------|--------------|-------|
| 72 Park Ave - Filter Plant Suction Well Area | 10/15/2023 | 20" LJ | SWU | B/F-N |

Total Valves Installed = 1

Street Valves and Hydrant Valves Removed

| Location | Installed | Abandoned | Type |
|----------|-----------|-----------|------|
|----------|-----------|-----------|------|

Total Valves Removed = 0

Street Valves and Hydrant Valves Abandoned

| Location | Installed | Abandoned |
|--|------------|------------|
| 72A Park Ave. on N. discharge (north of pump sta.) | 1908-1928? | 10/15/2023 |

Total Valves Abandoned = 1

Street Valves and Hydrant Valves Maintained

| Location | Maintained | Size | By |
|----------|------------|------|----|
|----------|------------|------|----|

Total Valves Maintained = 0

Hydrants Installed (including water main projects and others)

| Location | Installed | Tr Size | Valve | By |
|----------|-----------|---------|-------|----|
|----------|-----------|---------|-------|----|

Total Hydrants Installed = 0

Hydrants Removed (including water main projects and others)

| Location | Installed | Removed | Hyd Valve? |
|----------|-----------|---------|------------|
|----------|-----------|---------|------------|

Total Hydrants Removed = 0

Hydrants Abandoned (including water main projects and others)

| Location | Installed | Abandoned | Tr Size | Hyd Valve? |
|----------|-----------|-----------|---------|------------|
|----------|-----------|-----------|---------|------------|

Total Hydrants Abandoned = 0

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

| Location | Installed | Maintained |
|----------|-----------|------------|
|----------|-----------|------------|

Total Hydrants Maintained/Moved = 0

Water Main Breaks

| Location | Date | Size |
|--------------------|------------|------|
| 2411 Ontario Ave | 11/30/2023 | 6" |
| 813 S. 16th street | 12/7/2023 | 6" |

Number of Water Main Breaks=2



SUMMARY

| | | |
|---|------|------------|
| Number of feet of 4 inch water main installed | 0.0 | water main |
| Number of feet of 6 inch hydrant lead installed | 0.0 | |
| Number of feet of 6 inch water main installed | 0.0 | |
| Number of feet of 8 inch water main installed | 0.0 | |
| Number of feet of 12 inch water main installed | 36.5 | |
| Number of feet of 16 inch water main installed | 0.0 | |
| Number of feet of 20 inch water main installed | 0.0 | |
| Number of feet of 24 inch water main installed | 0.0 | |
| Number of feet of water main abandoned or removed | 0.0 | |
| Number of water main breaks repaired | 2 | |
| Number of hydrants installed | 0 | hydrants |
| Number of hydrants removed or abandoned | 0 | |
| Number of hydrants maintained or moved | 0 | |
| Number of street valves installed | 1 | valves |
| Number of hydrant valves installed | 0 | |
| Number of street valves removed or abandoned | 1 | |
| Number of hydrant valves removed or abandoned | 0 | |
| Number of valves maintained | 4 | |
| Number of water connections installed | 10 | |



WATER MAIN AND APPURTENANCES INSTALLATION -- 4th Quarter -October, November, & December 2023

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

| Location: 12" Water Main | Installed | New Valves | New Hyd. | New Hyd Valves | Aband. Valves | Aband. Hyd. | Remove Hyd. | Size " Installed | Feet Installed | New Hyd Lead | Size Aband. | Feet. Aband. | Feet. Rem. | By |
|--------------------------|-----------|------------|----------|----------------|---------------|-------------|-------------|------------------|----------------|--------------|-------------|--------------|------------|-----|
| Gateway Dr North Tie in | 10/2/2023 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 36.5 | 0 | | 0 | 0 | SWU |
| Totals: | | 0 | 0 | 0 | 0 | 0 | 0 | | 36.5 | 0 | | 0 | 0 | |

| 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.

