

Table of Contents - NFWB July 17, 2023 Work Session Agenda Packet

1) July 17, 2023 NFWB Work Session Agenda	3
2) 2023 Budgeted Expenses - Expenditures of User Rates, Fees, and Charges Less Debt Service	8
3) 2023-07-11 - COVID Wastewater Surveillance Update Memorandum	9
4) 2023-06-30 - 2022 Bipartisan Infrastructure Law Lead Service Line Replacement Grant Award	24
5) Draft June 26, 2023 NFWB Business Meeting Minutes	27
6) 2023-07-12 - CPL WWTP Project Budget Status Chart	34
7) 2023-07-12 - CPL WWTP Construction Schedule Tracker	37
8) 2023-07-06 - CPL Financial Award Summary	38
9) July 24, 2023 Personnel Actions Sheet	43
10) Union Time Off Year to Date	44
11) Budget thru 06.30.23-Revenue Only	45
12) Budget thru 06.30.23-Expense-Sewer	50
13) Budget thru 06.30.23-Expense-Water	53
14) Budget thru 06.30.23-Expense-Board	56
15) Keybank and Bank on Buffalo Bank Balances	57
16) Wilmington Trust Balances	58
17) Treasury Account Balance	59
18) Budget Amendments Report	60
19) Capital Payments	62
20) June 2023 Operations and Maintenance Report	63
21) RESOLUTION 2023-07-001 - RENEWAL OF PERMA WORKERS COMPENSATION POLICY	82
22) Workers Compensation Renewal Proposal	83
23) RESOLUTION 2023-07-002 - AUTHORIZATION TO PROCEED WITH NYPA CLEAN ENERGY SERVICES PROJECT	95
24) 2023-05-22 - NYPA Proposed Authorization to Proceed for Services Related to Solar Development at Water Treatment Plant	97
25) 2023-05-22 - NYPA Summary of Plan to Provide Advisory Services for Solar Development at WTP	99
26) RESOLUTION 2023-07-003 - PROCUREMENT OF WATER MAIN VALVES AND HYMAX CLAMPS	111
27) 2023-05-31 - Core and Main Quote for Water Main Valves and Hymax Clamps	113
28) RESOLUTION 2023-07-004 - MILTON CAT CHANGE ORDER FOR WATER TREATMENT PLANT GENERATOR CONTROL UPGRADE PROJECT	115
29) 2023-07-11 - Milton CAT Change Order for Generator Control Upgrade Project	117
30) RESOLUTION 2023-07-005 - CHANGE ORDER FOR PROJECT 6 ENGINEERING SERVICES AGREEMENT, SODIUM HYPOCHLORITE TANK, SECONDARY CONTAINMENT, PUMPING, PIPING, AND CONTROLS	121

31) 2023-06-28 - AECOM Proposal - Change Order to WWTO Project 6 Agreement to Perform Engineering Services for Sodium Hypochlorite Tank Replacement, Pump Addition	123
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AGENDA

Working Session of the Niagara Falls Water Board July 17, 2023 at 5:00 p.m.

**Water Treatment Plant Conference Room
5815 Buffalo Avenue, Niagara Falls New York 14304**

**Meeting may be attended in person
or via videoconference – visit NFWB.org for details.**

1. Preliminary Matters

a. Attendance:

Asklar (Board Member/Chairman of Finance/Member Exec. Staff Review Cmte.) _____

Forster (Chairman) _____

Kimble (Board Member) _____

**Larkin (Board Member/Vice Chairwoman/Governance Chairwoman/
Chairwoman Exec. Staff Review Cmte.) _____**

Leffler (Board Member/Member Exec. Staff Review Cmte.) _____

b. Comments from Chairman Forster

i. 2023 Budgeted Expenses - Expenditures of User Rates, Fees, and Charges Less Debt Service

c. Presentations (none scheduled)

- d. Letters and Communications**
 - i. 2023-07-11 – COVID Wastewater Surveillance Update Memorandum**
 - ii. 2023-06-30 – 2022 Bipartisan Infrastructure Law Lead Service Line Replacement Grant Award**

- e. Prior Meeting Minutes**
 - i. Draft June 26, 2023 Meeting Minutes**

- 2. Executive Director – Dr. Abderrahman Zehraoui**
 - a. WWTP Project Budget Tracker (CPL)**
 - b. WWTP Construction Schedule Tracker (CPL)**
 - c. Financial Award Summary (CPL)**

- 3. System Infrastructure and Operations – Russell DeFranco**

- 4. Outside Infrastructure Updates – Michael Eagler**

- 5. Engineering – Douglas Williamson**

- 6. Personnel Items – David San Lorenzo**
 - a. July 24, 2023 Personnel Actions**
 - b. Union Time Off Year to Date**

- 7. Information Technology (IT) – Dr. Abderrahman Zehraoui and Jonathan Joyce**
 - a. Cybersecurity Updates**

8. Finance – Brian Majchrowicz

- a. Revenue Budget Performance Report through 6/30/2023**
- b. Sewer Fund Expense Budget Performance Report through 6/30/2023**
- c. Water Fund Expense Budget Performance Report through 6/30/2023**
- d. Board Fund Expense Budget Performance Report through 6/30/2023**
- e. Key Bank and Bank on Buffalo Balance Report**
- f. Wilmington Trust Balance Report**
- g. Treasury Account Balance Report**
- h. Budget Amendments Report**
- i. Capital Payments**

9. Questions Regarding June 2023 Operations and Maintenance Report

10. Safety – John Accardo

11. General Counsel and Secretary – Sean Costello

12. From the Chairman

13. Resolutions

2023-07-001 - RENEWAL OF PERMA WORKERS COMPENSATION POLICY

- a. Workers Compensation Renewal Proposal**

2023-07-002 - AUTHORIZATION TO PROCEED WITH NYPA CLEAN ENERGY SERVICES PROJECT

- a. 2023-05-22 - NYPA Proposed Authorization to Proceed for Services Related to Solar Development at Water Treatment Plant**
- b. 2023-05-22 - NYPA Summary of Plan to Provide Advisory Services for Solar Development at WTP**

2023-07-003 - PROCUREMENT OF WATER MAIN VALVES AND HYMAX CLAMPS

- a. 2023-05-31 - Core and Main Quote for Water Main Valves and Hymax Clamps**

2023-07-004 - MILTON CAT CHANGE ORDER FOR WATER TREATMENT PLANT GENERATOR CONTROL UPGRADE PROJECT

- a. 2023-07-11 - Milton CAT Change Order for Generator Control Upgrade Project**

2023-07-005 - CHANGE ORDER FOR PROJECT 6 ENGINEERING SERVICES AGREEMENT, SODIUM HYPOCHLORITE TANK, SECONDARY CONTAINMENT, PUMPING, PIPING, AND CONTROLS

- a. **2023-06-28 - AECOM Proposal - Change Order to WWTO Project 6 Agreement to Perform Engineering Services for Sodium Hypochlorite Tank Replacement, Pump Addition**

Anticipated Additional Resolutions for Regular Meeting:

1. **Award Bid for Water Treatment Plant Roof Replacement**
2. **Change Order for WWTP Project 1 – Scope of Masonry Repair Work Required in Basin 3 Greater Than Anticipated**
3. **Grant Applications and SEQR Determinations:**
 - c. **WIIA – Water Projects**
 - d. **WIIA – Sewer Projects**
 - e. **WQIP – Wastewater Project**

14. Unfinished/Old Business

1) WWTP Sodium Hypochlorite Tank Replacement

- 7/14/22: The 2021 WIIA Sewer (WWTP) Grant of \$1,125,000 was awarded on April 19, 2022 that included the some of the funds necessary to complete the WWTP tank removal and replacement work. We may be able to utilize some of the remaining balance of the WWTP Phase II grant to assist with this work, as well. We need approval from the NYSDEC to include some of the WWTP tank replacement work under this WWTP Phase II grant. The draft WWTP Tank Replacement RFP that was created needs to be finalized to show the grant funding sources that have been approved for the project, before we can proceed.
- 7/14/23: Resolution for engineering services in work session packet.

2) Whitney Ave. Water Main Replacement

- 5/9/23: Bid released April 24. Contractors have submitted questions and requested an extension of the bid due date. An addendum is necessary to secure competitive bids and will be issued extending the bid deadline to May 31, for award at the June 2023 Board meeting.
- 7/14/23: One bidder on 5/31/23, bid over \$4.2 million.

3) WTP Perimeter Fence Replacement Update

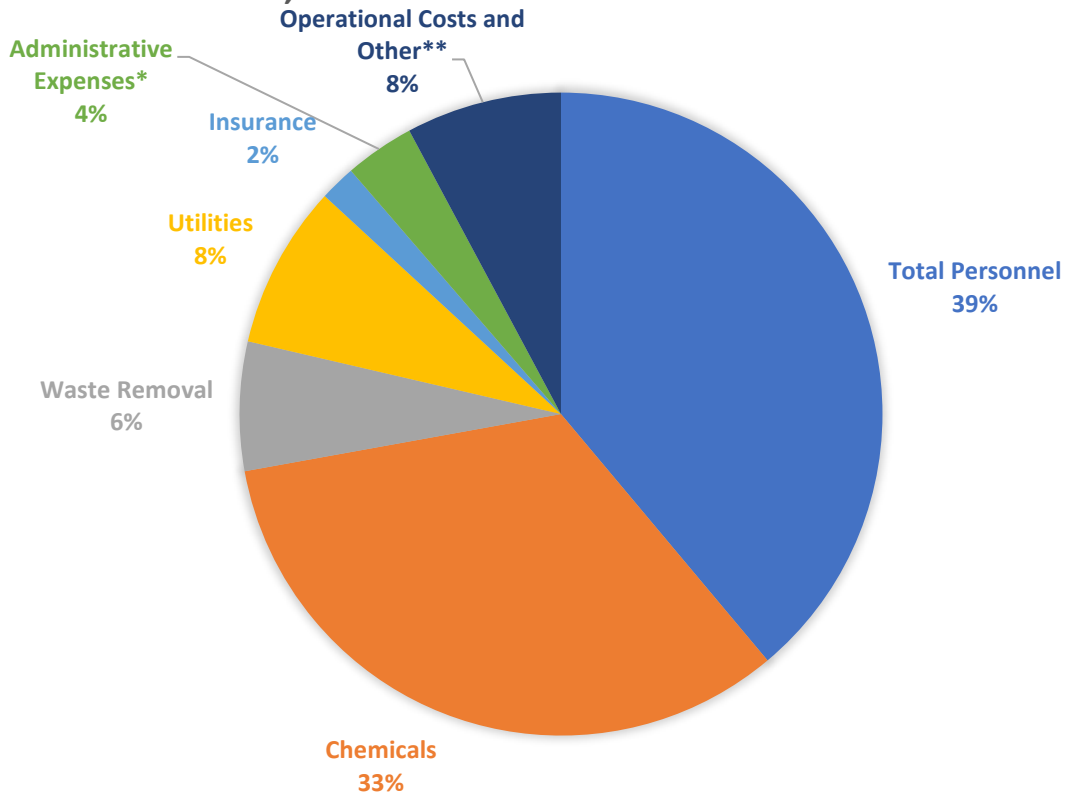
- 7/14/22: The 2021 WIIA Water Grant application of \$3 million was awarded on April 19, 2022 that included some funds that can be used for the WTP perimeter fence replacement work. On 7/13/22, the capital purchase order for the \$8,000 brush hog was completed to assist with the work in-house. WTP maintenance to schedule and coordinate the fencing work.
- 7/14/23: Security gate and lower fence for clear well building scheduled for week of July 17.

15. New Business & Additional Items for Discussion

16. Executive Session (if needed)

17. Adjournment of Meeting

2023 BUDGETED EXPENSES-EXPENDITURES OF USER RATES, FEES & CHARGES LESS DEBT SERVICE



	<u>2023</u>	<u>Percentage of Total</u>
-	-	
Total Personnel	\$ 12,599,986	39%
Chemicals	\$ 10,775,000	33%
Waste Removal	\$ 2,100,500	6%
Utilities	\$ 2,664,500	8%
Insurance	\$ 585,000	2%
Administrative Expenses*	\$ 1,137,191	4%
Operational Costs and Other**	<u>\$ 2,534,190</u>	<u>8%</u>
Total	<u>\$ 32,396,367</u>	<u>100%</u>

* Includes Office Supplies, Training, Computer Services & Software, and Professional Services

** Includes Rentals, Auto Expenses, Leases, Tools & Small Equipment, Machinery, Materials, and Undesignated Services

WASTEWATER SURVEILLANCE UPDATE

[DASHBOARD](#) | [WEBSITE](#)

DATE: July 11, 2023

TO: Niagara County Health Department, Lewiston Master, Niagara Falls, Niagara County SD, Lockport, Middleport, Newfane, and Somerset-Barker Wastewater Treatment Plant, & Stakeholders

FROM: Lydia Bennett, on behalf of the New York State Wastewater Surveillance Network

RE: Niagara County Weekly Wastewater Surveillance Data Report

Collection Date	Detection Level	Compared to NYS	Two-Week Trend
City of Lockport WWTP			
June 26, 2023	Not Detected	Lesser	Decreasing
June 27, 2023	Not Detected	Lesser	
July 3, 2023	Not Detected	Lesser	
July 4, 2023	Quantifiable Detection	Elevated	
Niagara County SD #1			
June 26, 2023	Quantifiable Detection	Elevated	Increasing
June 29, 2023	Quantifiable Detection	Elevated	
Niagara Falls STP			
June 26, 2023	Quantifiable Detection	Elevated	Increasing
July 3, 2023	Quantifiable Detection	Elevated	
Village of Middleport WWTF			
June 26, 2023	Not Detected	Lesser	Decreasing
Lewiston Master SD			
June 26, 2023	Quantifiable Detection	Elevated	Decreasing
July 3, 2023	Not Detected	Lesser	
Town of Newfane WWTP			
June 26, 2023	Quantifiable Detection	Elevated	Increasing
Somerset-Barker Sewer District			
June 7, 2023	Not Detected	Lesser	Too early to determine.

The prediction in hospitalization shows a decrease in Niagara County. There is an expected 7-day rolling average 0.18 hospitalizations per 100,000 people attributed to COVID-19 in the next 10 days.

Attached with this memo are several figures that you may find useful.

¹ We genuinely thank you for your continued participation in the New York State Wastewater Surveillance Network. We truly appreciate the time and service you give every week, and all of the work that you do!

² If you have any questions or concerns, please contact me at lbennett@cdcfoundation.org.

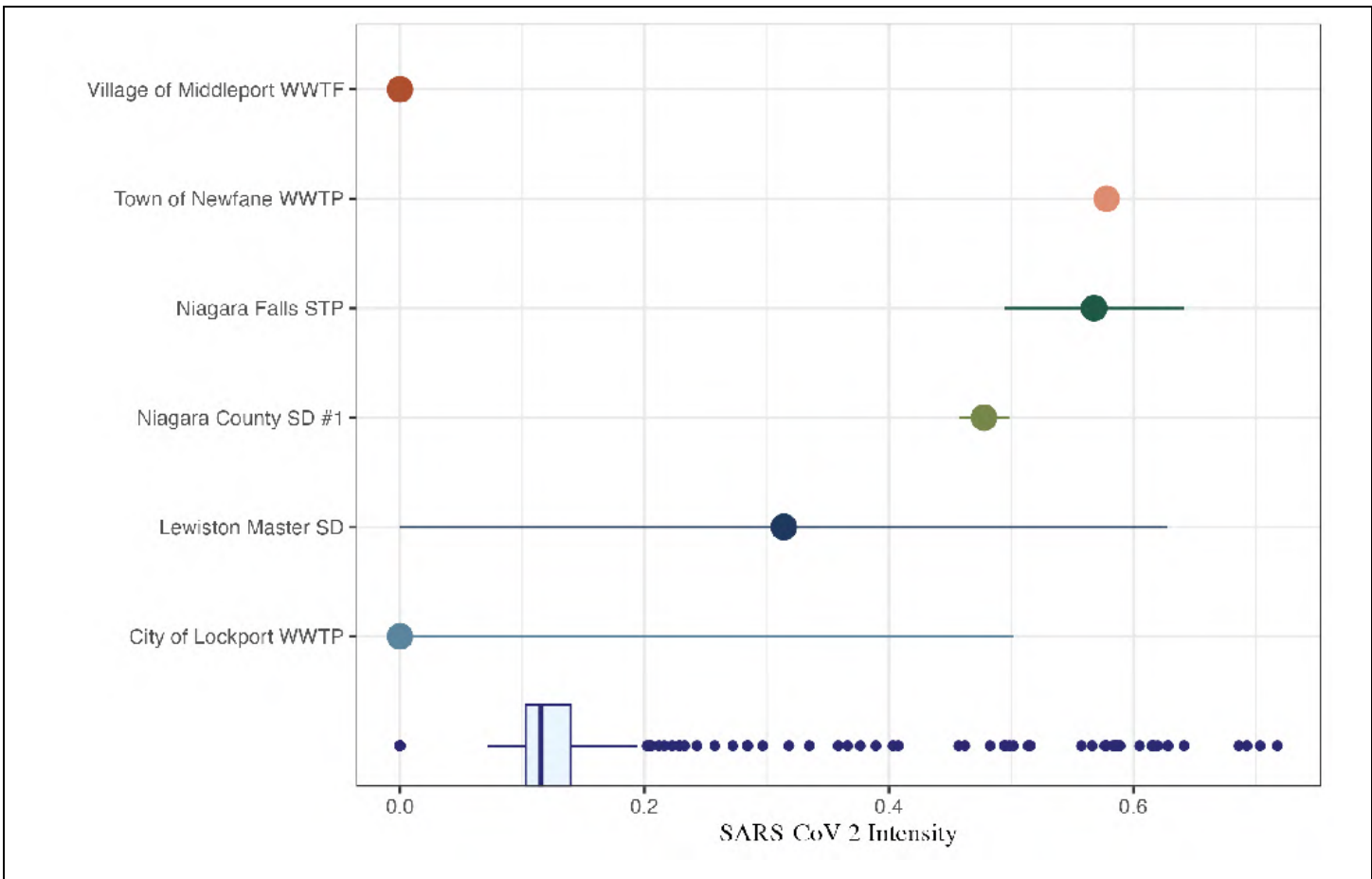


Figure 1: Observed levels of SARS-CoV-2 intensity at each of the Niagara County influents compared to NYS values.

Colored points represent the SARS-CoV-2 intensity of samples taken at the influent over the last two weeks. Different colors represent different sample dates. The box plot represents all SARS-CoV-2 values from the previous two weeks as observed from wastewater treatment facilities across New York. The box plot shows the median (solid line), first and third quartiles (box edges), minimum (lower whiskers), maximum (upper whisker), and outliers (black dots) for all NY WWTP's. The concentration of SARS-CoV-2 is normalized by population, $\ln(\text{SARS-CoV-2})/\ln(\text{PMMoV})$, to give overall intensity.

As compared to the rest of the state, the most recent Niagara County samples reveal:

- **Elevated intensity** for the population served by the Lewiston Master SD, Niagara County SD #1, Niagara Falls STP, and Town of Newfane WWTP.
- **Lesser intensity** for the population served by the Village of Middleport WWTP, City of Lockport influents.

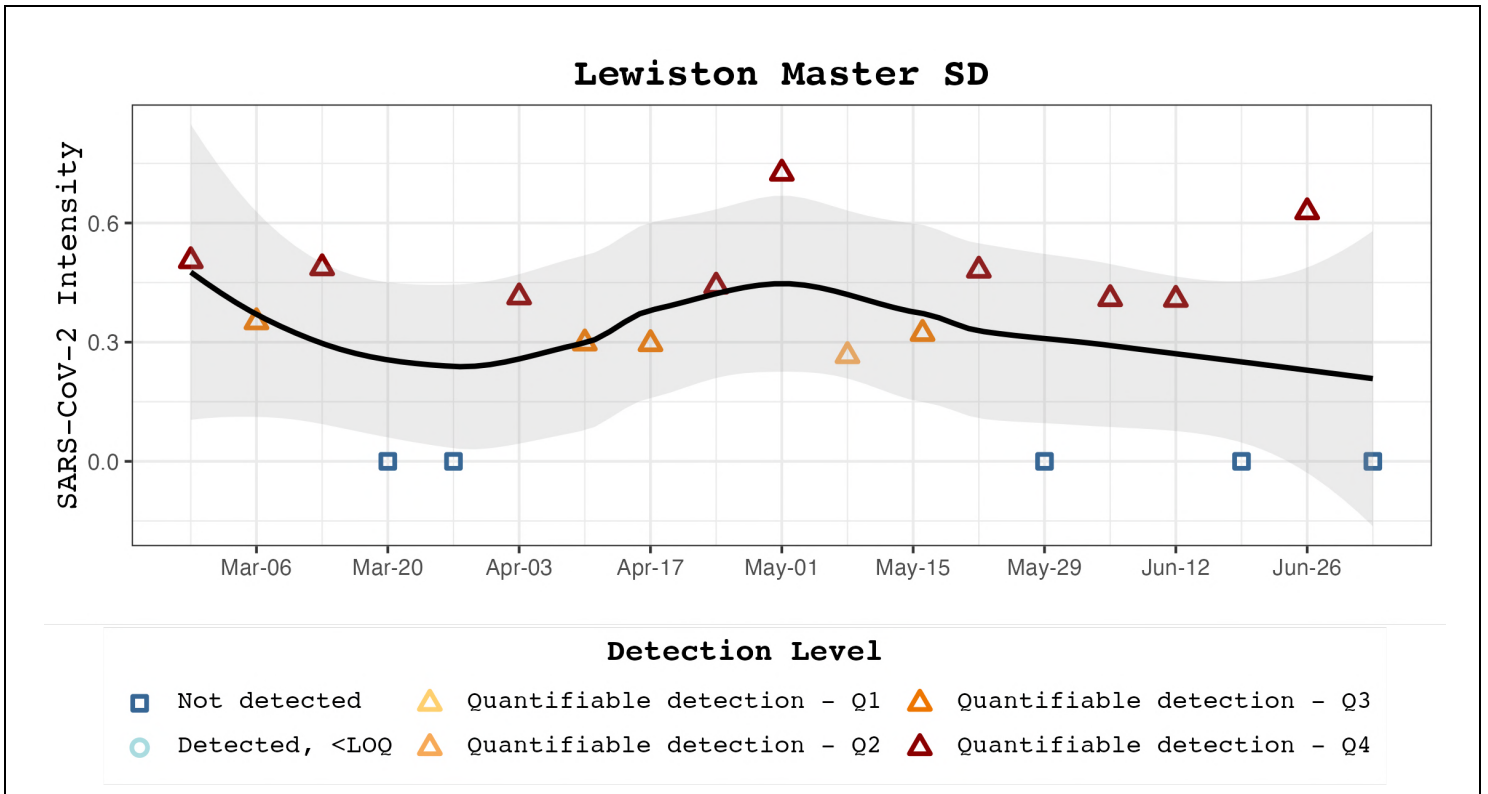


Figure 2: SARS-CoV-2 intensity over time at the Lewiston Master influent.

A smoothed trend line (black), uncertainty (gray band), and wastewater samples (points). Wastewater sample points are color coded to specify the level of SARS-CoV-2 detected. The concentration of SARS-CoV-2 is normalized by population, $\ln(\text{SARS-CoV-2})/\ln(\text{PMMoV})$, to give overall intensity.

The level of SARS-CoV-2 RNA can tell us roughly how many cases can be expected in a population.

- Not detected: low transmission, <10 cases per 100,000 in the past 7 days and <5% test positivity
- Detected, <LOQ: medium transmission, 10-50 cases per 100,000 in the past 7 days, and 5- 7.9% test positivity
- Quantifiable detection: substantial to high transmission, >50 cases per 100,000 in the past 7 days, and 8.0% test positivity or higher
 - Quantifiable detections are categorized by quantile values based on historical data. We bin these into four categories: Q1 (0-25%), Q2 (25-50%), Q3 (50-75%), and Q4 (75-100%). The higher the quantile value, the higher state of transmission is occurring relative to past data points within the county.

Over the past two weeks, the population served by the Lewiston Master influent is experiencing a decreasing trend. This would mean that the population could expect lesser daily COVID-19 cases in the coming weeks, if this trend continues. The most recent sample had a non-detection, suggesting daily case incidence of less than 10 cases per 100,000 population.

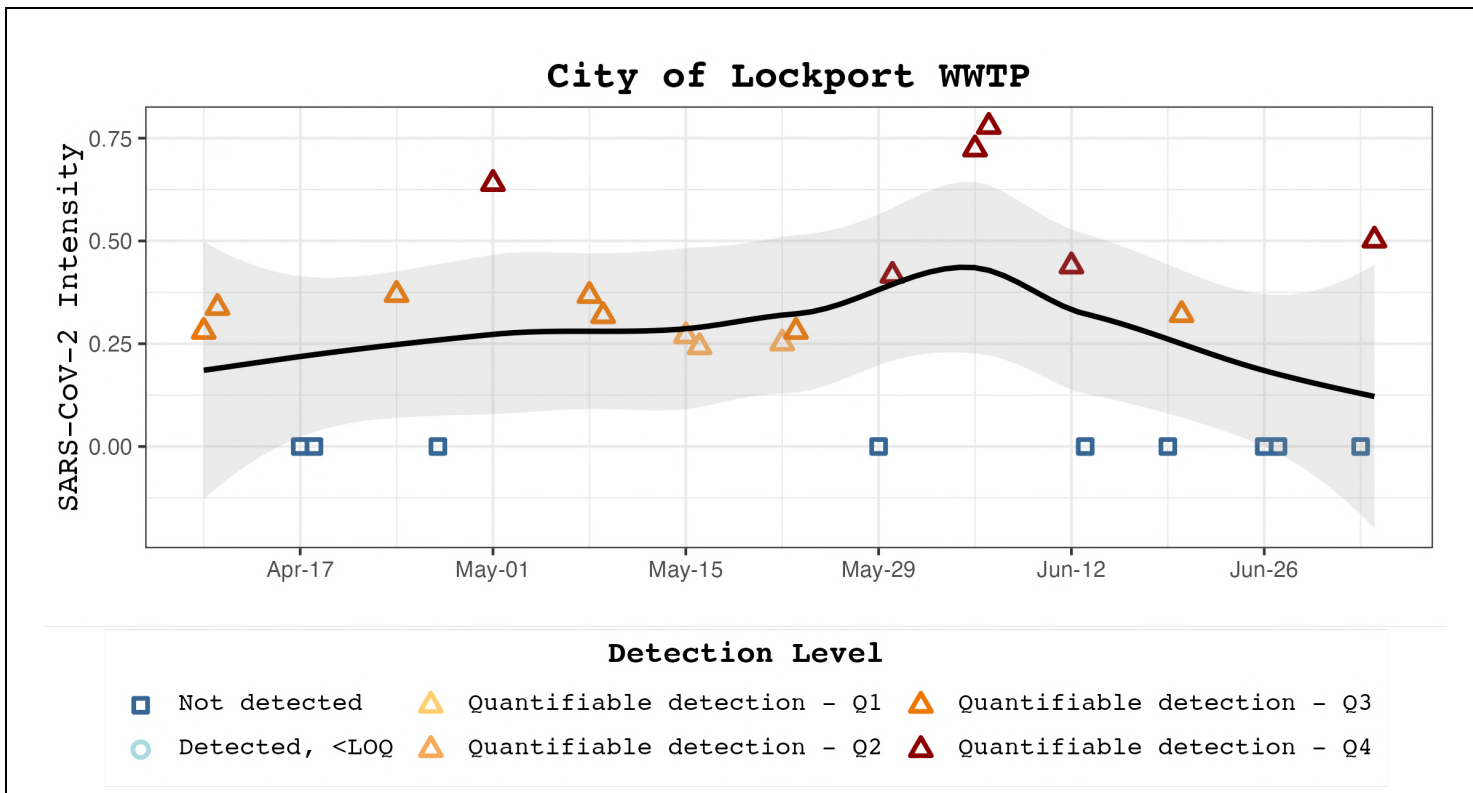


Figure 3: SARS-CoV-2 intensity over time at the City of Lockport influent.

A smoothed trend line (black) uncertainty (gray band), and wastewater samples (points) are shown. Wastewater sample points are color coded to specify the level of SARS-CoV-2 detected. The concentration of SARS-CoV-2 is normalized by population, $\ln(\text{SARS-CoV-2})/\ln(\text{PMMoV})$, to give overall intensity.

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Over the past two weeks, the population served by the City of Lockport influent is experiencing a decreasing trend. This would mean that the population could expect lesser daily COVID-19 cases in the coming weeks, if this trend continues. The most recent sample had a level of quantifiable detection, suggesting daily case incidence of greater than 50 cases per 100,000 population.

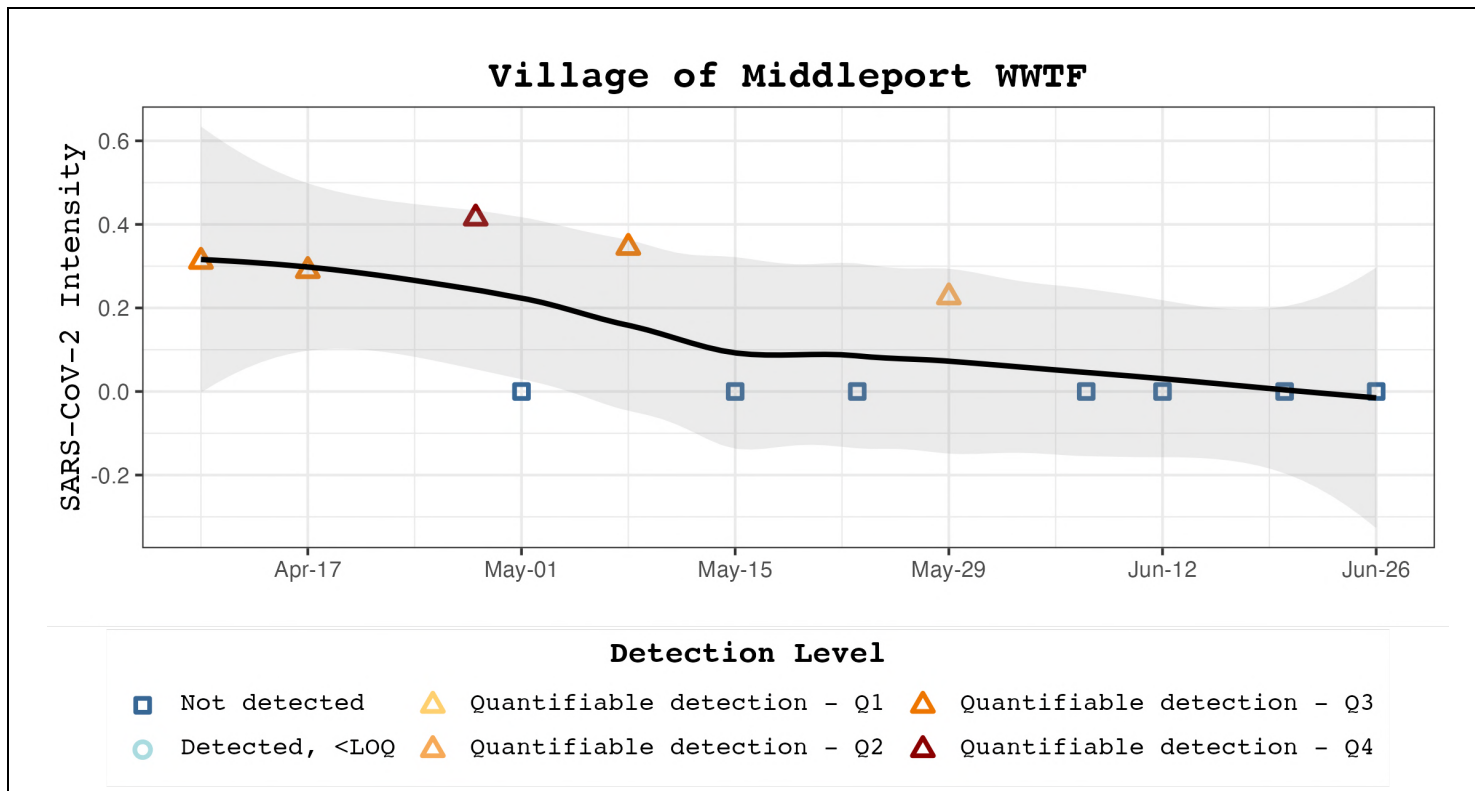


Figure 4: SARS-CoV-2 intensity over time at the Village of Middleport influent.

A smoothed trend line (black), uncertainty (gray band), and wastewater samples (points) are shown. Wastewater sample points are color coded to specify the level of SARS-CoV-2 detected. The concentration of SARS-CoV-2 is normalized by population, $\ln(\text{SARS-CoV-2})/\ln(\text{PMMoV})$, to give overall intensity.

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Over the past two weeks, the population served by the Village of Middleport influent is experiencing a decreasing trend. This would mean that the population could expect lesser daily COVID-19 cases in the coming weeks, if this trend continues. The most recent sample had a level of non-detection, suggesting daily case incidence of less than 10 cases per 100,000 population.

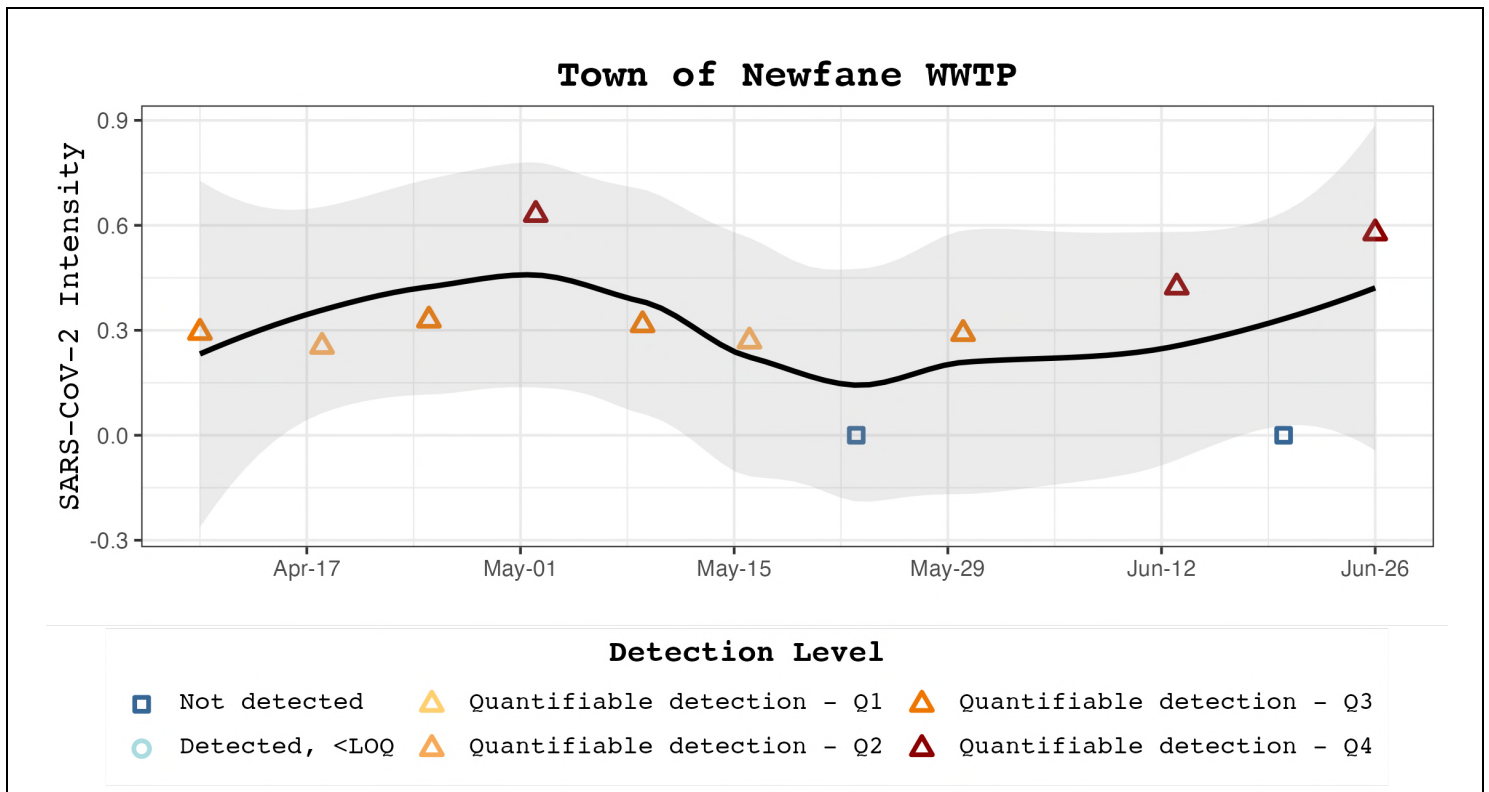


Figure 5: SARS-CoV-2 intensity over time at the Town of Newfane influent.

A smoothed trend line (black), uncertainty (gray band), and wastewater samples (points) are shown. Wastewater sample points are color coded to specify the level of SARS-CoV-2 detected. The concentration of SARS-CoV-2 is normalized by population, $\ln(\text{SARS-CoV-2})/\ln(\text{PMMoV})$, to give overall intensity.

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Over the past two weeks, the population served by the Town of Newfane influent is experiencing an increasing trend. This would mean that the population could expect higher daily COVID-19 cases in the coming weeks, if this trend continues. The most recent sample had a level of quantifiable detection, suggesting daily case incidence of greater than 50 cases per 100,000 population.

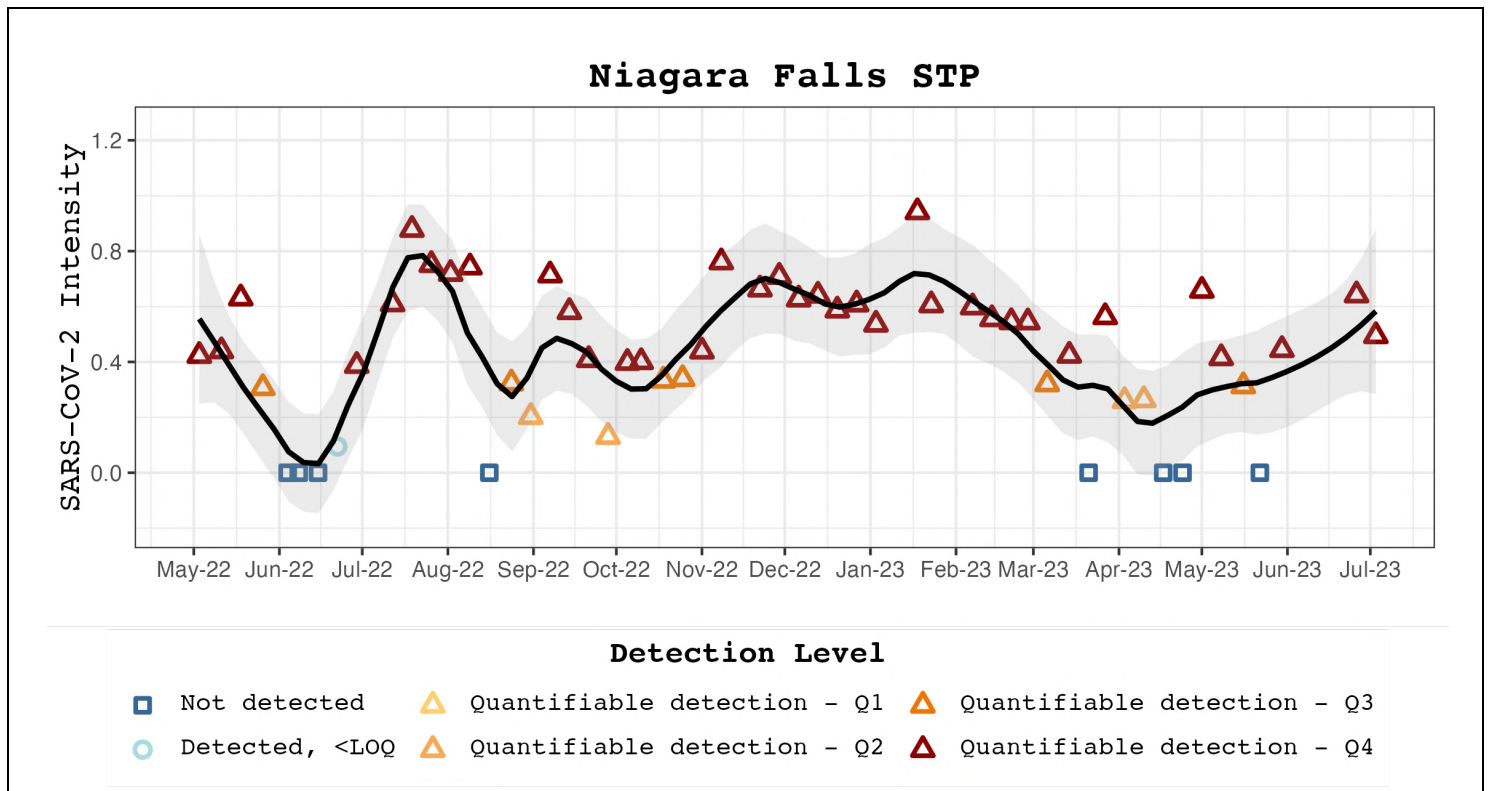


Figure 6: SARS-CoV-2 intensity over time at the Niagara Falls influent.

A smoothed trend line (black), uncertainty (gray band), and wastewater samples (points) are shown. Wastewater sample points are color coded to specify the level of SARS-CoV-2 detected. The concentration of SARS-CoV-2 is normalized by population, $\ln(\text{SARS-CoV-2})/\ln(\text{PMMoV})$, to give overall intensity.

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Over the past two weeks, the population served by the Niagara Falls STP influent is experiencing an increasing trend. This would mean that the population could expect higher daily COVID-19 cases in the coming weeks, if this trend continues. The most recent sample had a level of quantifiable detection, suggesting daily case incidence of greater than 50 cases per 100,000 population.

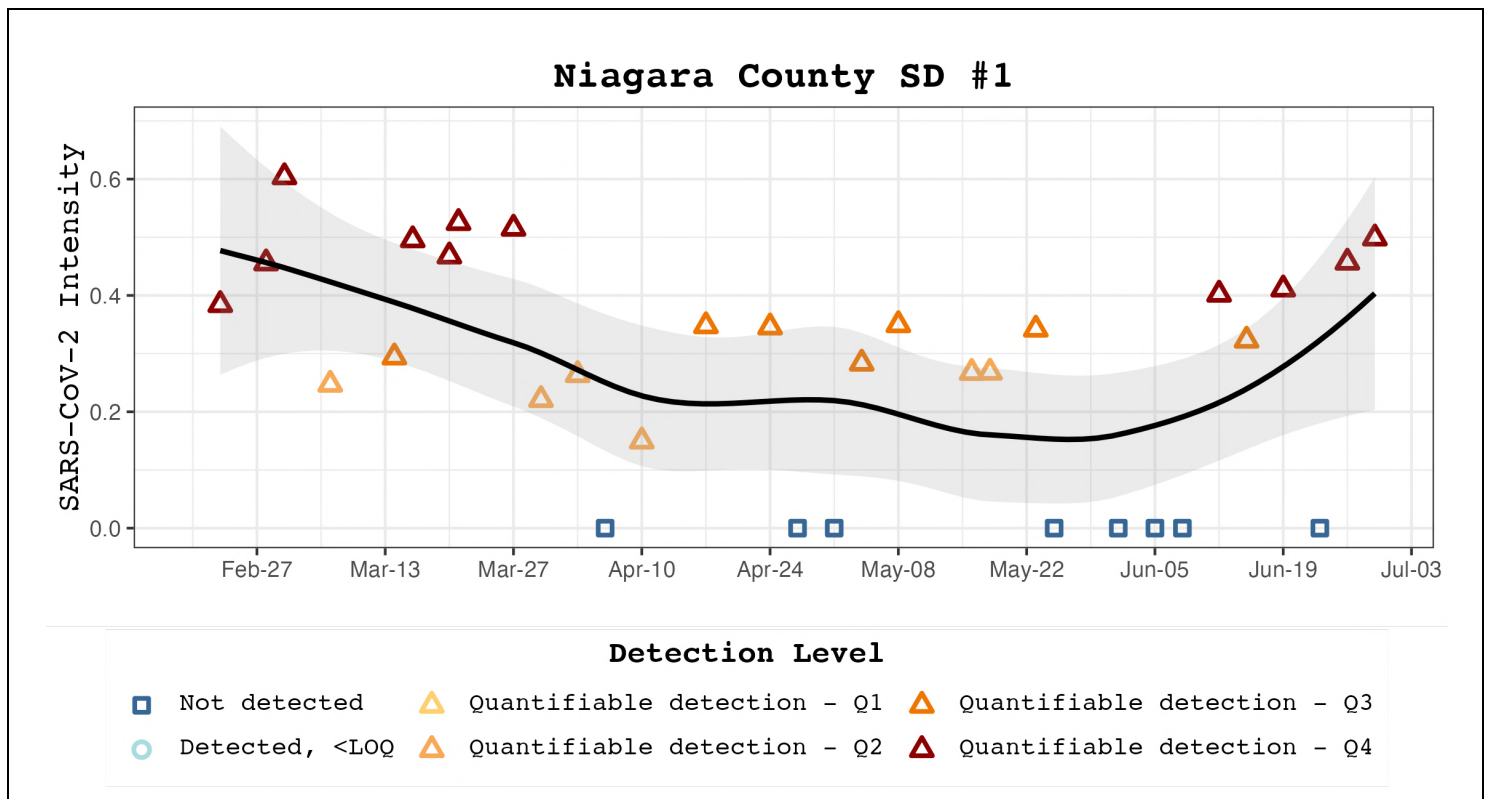


Figure 7: SARS-CoV-2 intensity over time at the Niagara County SD #1 influent.

A smoothed trend line (black), uncertainty (gray band), and wastewater samples (points) are shown. Wastewater sample points are color coded to specify the level of SARS-CoV-2 detected. The concentration of SARS-CoV-2 is normalized by population, $\ln(\text{SARS-CoV-2})/\ln(\text{PMMoV})$, to give overall intensity.

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Over the past two weeks, the population served by the Niagara County SD #1 influent is experiencing an increasing trend. This would mean that the population could expect higher daily COVID-19 cases in the coming weeks, if this trend continues. The most recent sample had a level of quantifiable detection, suggesting daily case incidence of greater than 50 cases per 100,000 population.

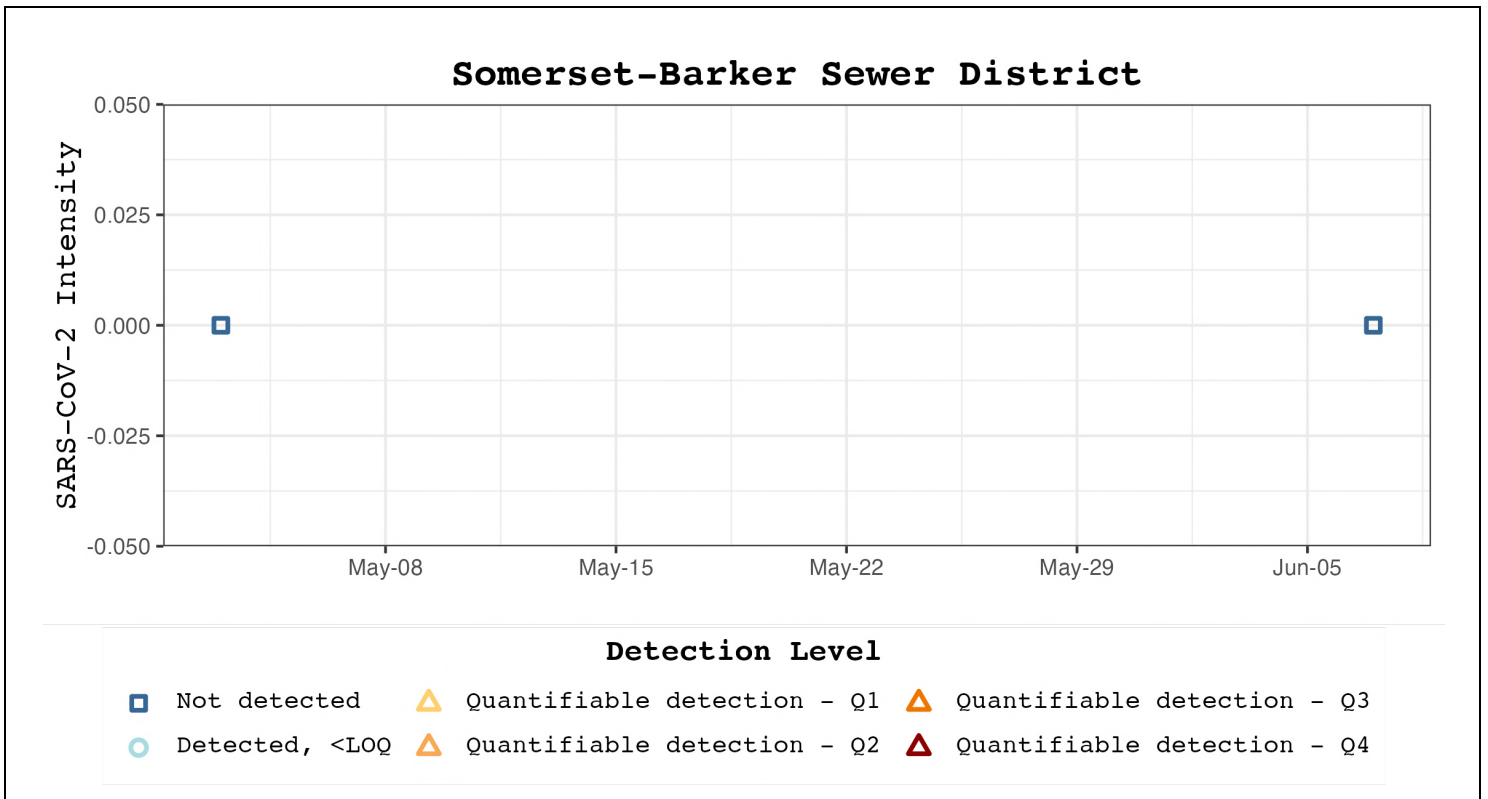


Figure 8: SARS-CoV-2 intensity over time at the Somerset-Barker Sewer District influent.

Wastewater samples (points) are shown. Wastewater sample points are color coded to specify the level of SARS-CoV-2 detected. The concentration of SARS-CoV-2 is normalized by population, $\ln(\text{SARS-CoV-2})/\ln(\text{PMMoV})$, to give overall intensity.

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While it is too early to estimate a trend in SARS-CoV-2 intensity for the population served by the Somerset-Barker Sewer District influent, their most recent sample had a non-detection, suggesting daily case incidence of less than 10 cases per 100,000 people.

Niagara County Niagara Falls STP

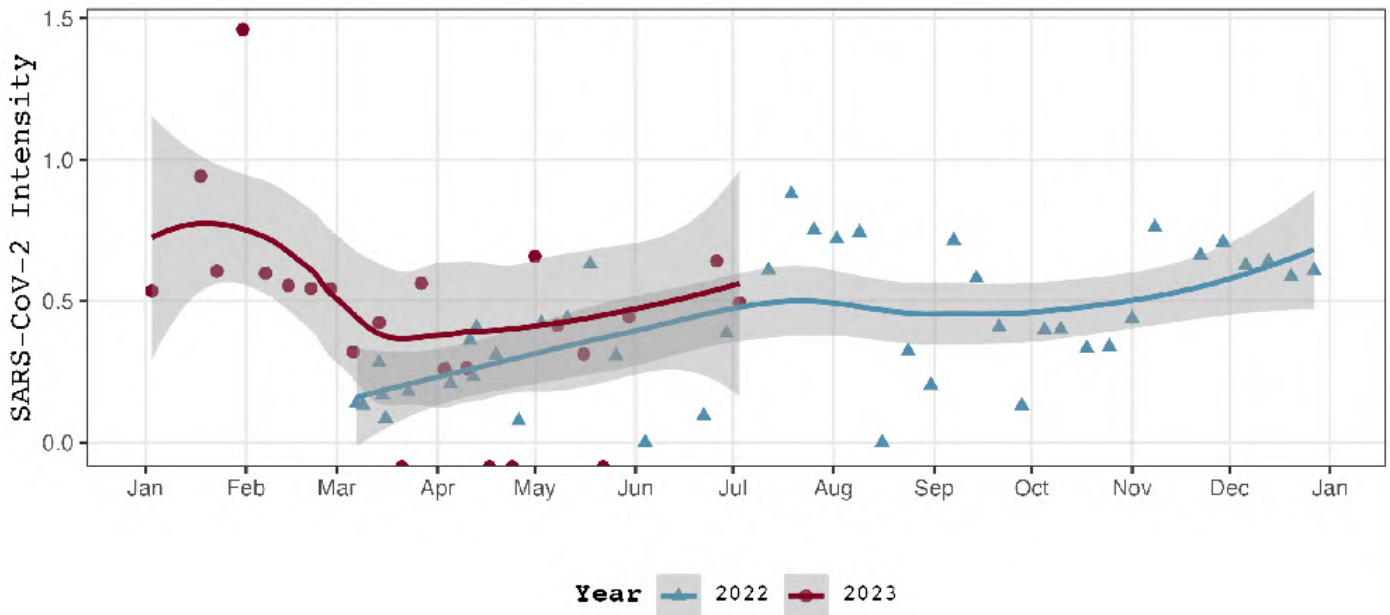


Figure 9: Annual comparison of SARS-CoV-2 intensity for each of the Niagara County sites sampling beyond one year.

Smoothed 2022, and 2023 trend lines, uncertainty (gray bands), and wastewater samples (points) are shown.

- The most recent sample from the Niagara Falls influent reveals **comparable intensity** as compared to the previous year.

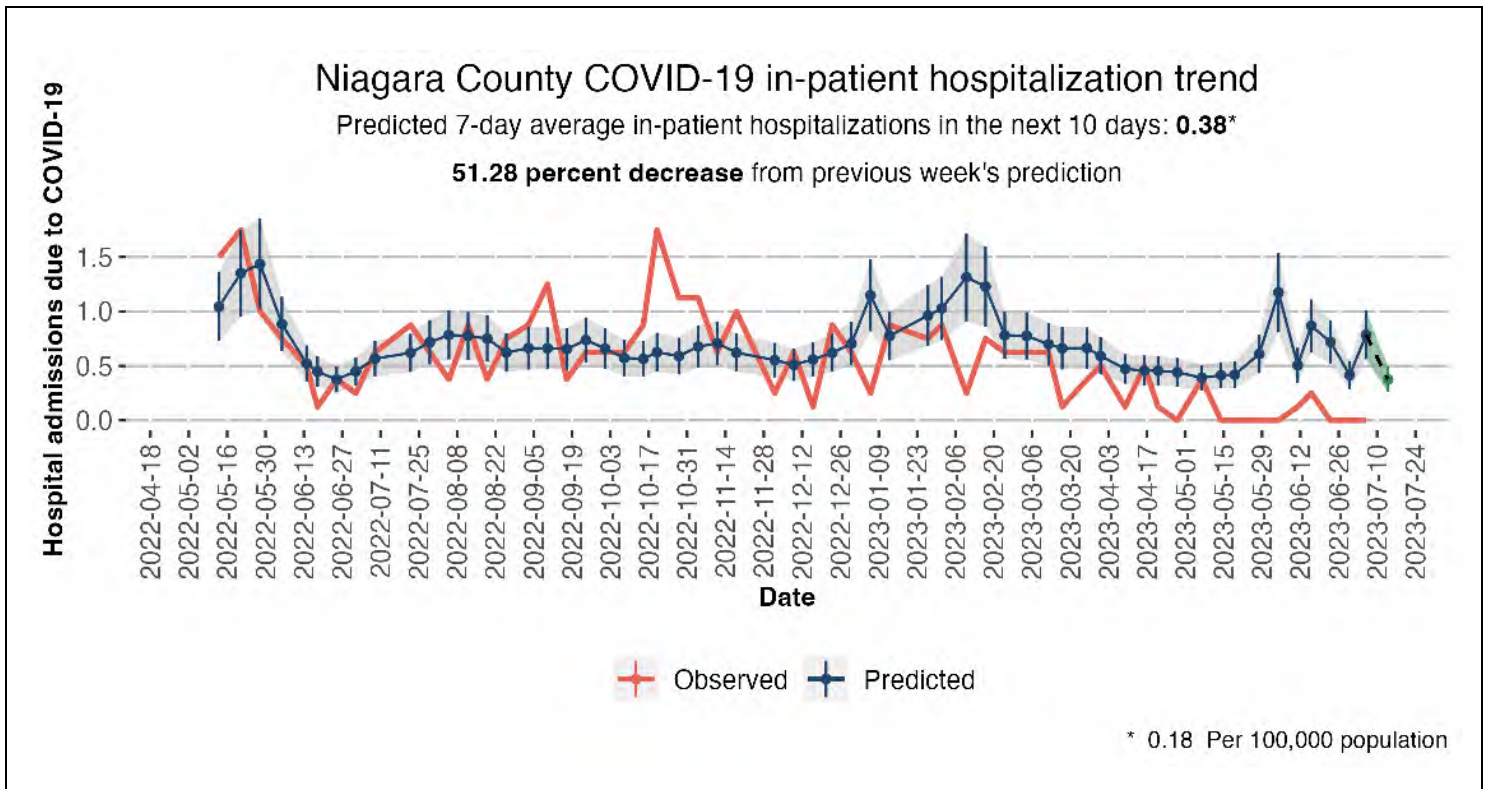


Figure 10: Observed and predicted COVID-19 attributed hospitalization trends for Niagara County.

Predictions are calculated from a generalized linear mixed model that fits wastewater data with a ten-day lag, test positivity, proportion of the county population that has full series of mRNA vaccine, along with several covariates including:

- Population over 50 years old,
- Estimated asthma and cardiovascular disease rate for the county,
- County social vulnerability from the CDC social vulnerability index,
- Whether the day was within one week of a major or minor holiday.

This model makes predictions with new data for future hospital admissions and provides uncertainty around the prediction in the form of the 95% confidence interval (the light gray and green band around the predictions).

Past predictions are in blue with the current prediction in light green. The red line is actual hospital admissions from the Department of Health HERDS or Health Electronic Response System database. These data are up-to-date for most counties. We will update these data and the models as new data are provided.

Estimated new COVID-19 hospitalizations are predictions only and come with several uncertainties including whether new variants have arisen, what the current immunization state of the county is (including booster and bivalent shots or immunity from previous infection), and other factors not captured in the model such as intervention behaviors such as masking. Week to week predictions will vary in their accuracy and the width of the confidence interval around the prediction due to changes in the data.

The current predicted 7-day average hospitalizations for the next 10 days is 0.18 hospitalizations per 100,000 people. This is a 51.28% decrease from the previous week's prediction.

**SARS-CoV-2 Genetic Sequencing Data
In Niagara County and New York State**

Variant	Source	Label	Presence within last four weeks ¹	Presence within last six weeks ²
B.1.1.529	WHO	Variant of concern	detected at state-level	not detected within state or county
BA.2	ECDC	Variant of concern	detected at state-level	detected at state-level
BA.2.3.20	ECDC	Variant under monitoring	not detected within state or county	detected at state-level
BA.2.75	ECDC; WHO	Variant of interest; Omicron subvariants under monitoring	not detected within state or county	not detected within state or county
BA.4	ECDC	Variant of concern	not detected within state or county	not detected within state or county
BA.5	ECDC	Variant of concern	detected at state-level	detected at state-level
BF.7	ECDC; WHO	Variant under monitoring; Omicron subvariants under monitoring	not detected within state or county	not detected within state or county
BN.1	ECDC	Variant under monitoring	not detected within state or county	not detected within state or county
BQ.1	ECDC; WHO	Variant of interest; Omicron subvariants under monitoring	not detected within state or county	not detected within state or county
CH.1.1	ECDC; WHO	Variant under monitoring; Omicron subvariants under monitoring	detected at state-level	detected at state-level
XAY	ECDC	Variant under monitoring	not detected within state or county	not detected within state or county
XBB	ECDC; WHO	Variant of interest; Omicron subvariants under monitoring	detected at state-level	detected at state-level
XBB.1.5	ECDC; WHO	Variant of interest; Omicron subvariants under monitoring	detected at state-level	detected at state-level
XBC	ECDC	Variant under monitoring	not detected within state or county	not detected within state or county
XBF	WHO	Omicron subvariants under monitoring	not detected within state or county	not detected within state or county

¹ Samples collected from Jun 18, 2023 to Jul 11, 2023

² Samples collected from May 30, 2023 to Jul 11, 2023

Figure 11: County level variants under monitoring table in the last four and six weeks

This table shows variants being monitored by various public health organizations. Variant name, source of information, monitoring status of variant, and presence within the county and state within the last four and six weeks are shown.

Each variant is shown at four and six week intervals shown in the footnotes.

- Not detected within state or county: variant not detected at the state or county-level
- Detected at state-level: detected somewhere else in the state, but not in the county listed
- Detected within county: detected within the county showed

Find out more about monitoring status of SARS-CoV-2 variants: [ECDC](#), [WHO](#)

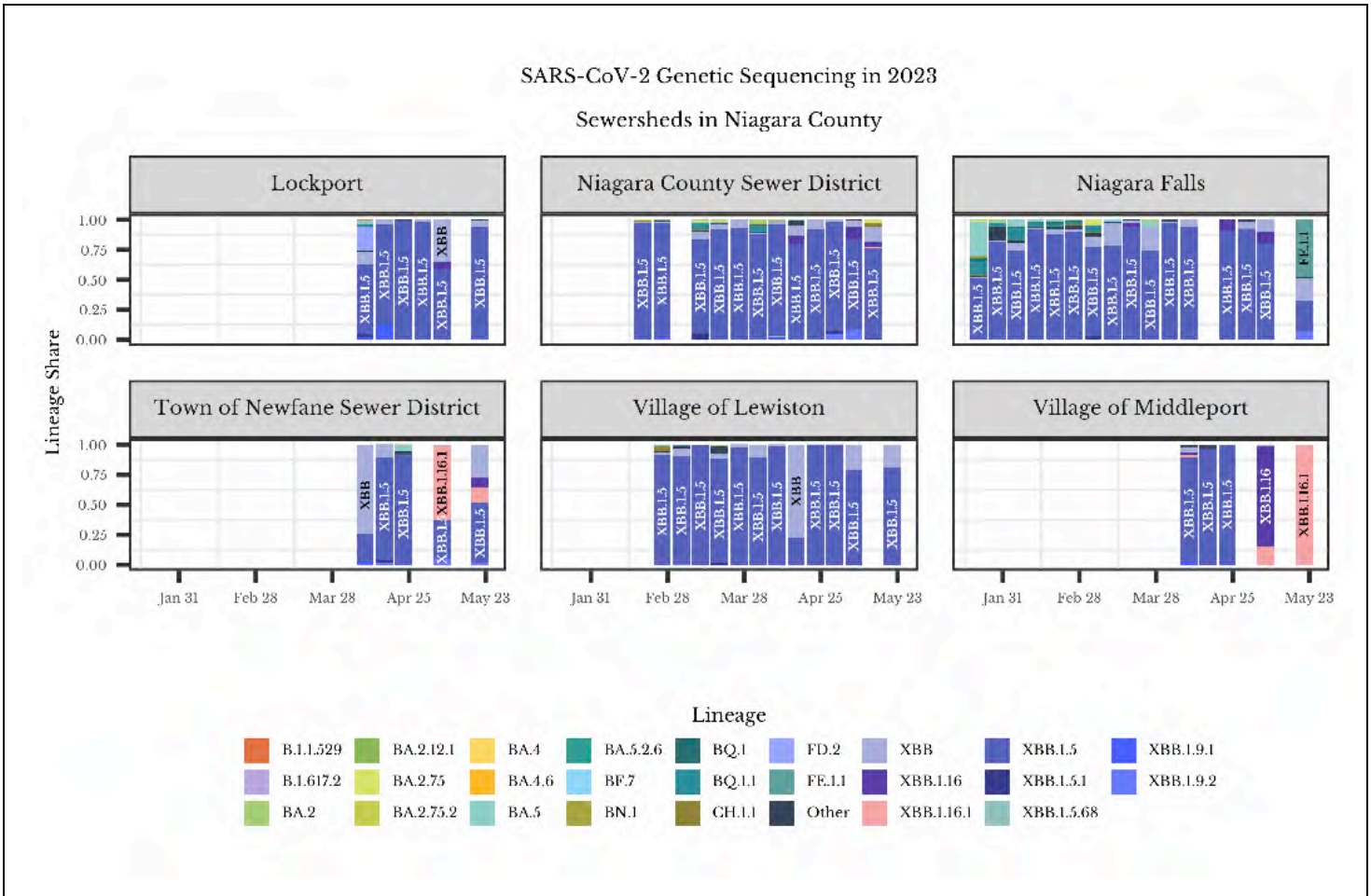


Figure 12: Sewershed level of SARS-CoV-2 genetic sequencing throughout time

Each bar shows the relative abundance of SARS-CoV-2 lineages during a sample collection date. Lineages with an abundance of at least 30% are labeled on the bar sections with the lineage name. The color of the bar corresponds to lineage. See the legend for more information regarding lineages.

The most recent samples from each treatment plant revealed lineage with highest abundance as:

- Lockport influent (05/22/2023) - **XBB.1.5.**
- Niagara County SD influent (05/18/2023) - **XBB.1.5.**
- Niagara Falls influent (05/22/2023) – **FE.1.1.**
- Newfane SD influent (05/23/2023) - **XBB.1.5.**
- Lewiston influent (05/22/23) – **XBB.1.5.**
- Middleport influent (05/23/2023) - **XBB.1.16.1.**

SARS-CoV-2 Genetic Sequencing in 2023
Niagara County Aggregation

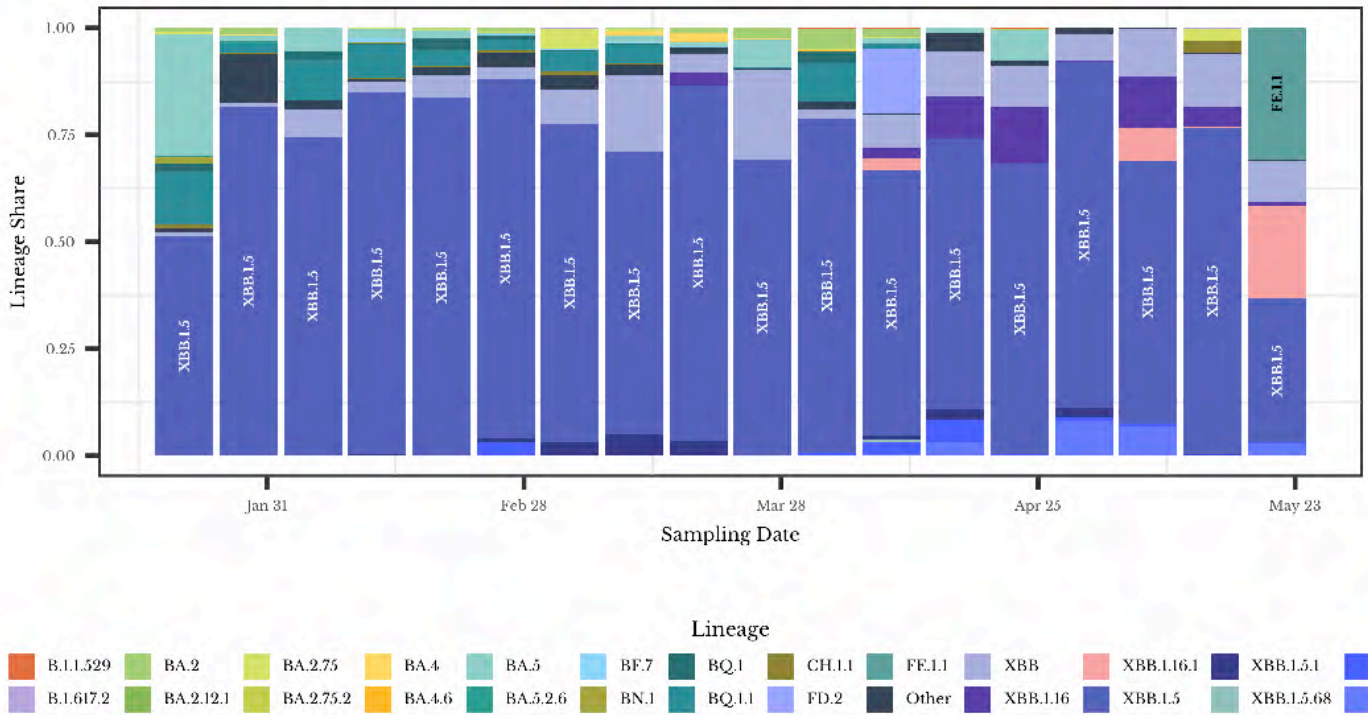


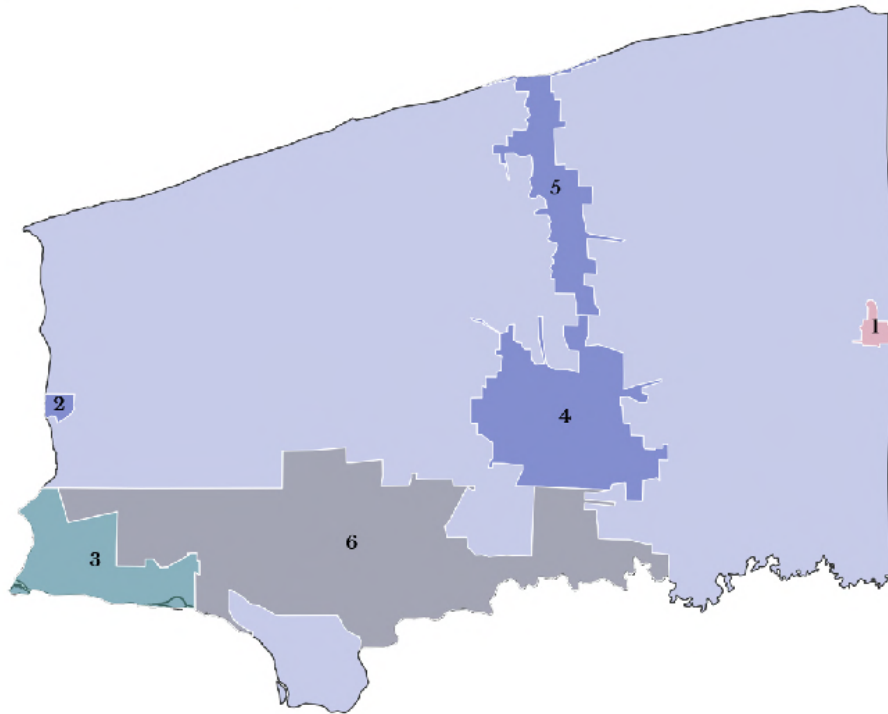
Figure 13: County aggregation of SARS-CoV-2 genetic sequencing throughout time

Each bar shows the relative abundance of SARS-CoV-2 lineages per sample collection date. Lineages with an abundance of at least 30% are labeled on the bar sections with the lineage name. The color of the bar corresponds to lineage. See the legend for more information regarding lineages.

- The most recent aggregation for Niagara County showed the lineage with the highest abundance in the whole county was **XBB.1.5 (38%)**.

Niagara County Dominant SARS-CoV-2 Variant by Sewershed

Week range: 05/21/23-06/10/23



1	Village of Middleport	XBB.1.16.1	100%
2	Village of Lewiston	XBB.1.5.15	58%
3	Niagara Falls	FE.1.1.1	47%
4	Lockport	XBB.1.5.10	62%
5	Town of Newfane Sewer District	XBB.1.5.49	37%
6	Niagara County Sewer District	Unavailable	

Figure 14: Map of Niagara County treatment plants and the most abundant variant at the sewershed and county level.

This map shows the sewersheds in Niagara County currently participating in genetic sequencing of wastewater. Each sewershed is numbered. The sewersheds and county are color-coded to correspond with the most abundant variant. The county variant abundance and corresponding color is aggregated to take all of the sewersheds in the county into account. The county color is slightly less opaque than the sewersheds to allow for a differentiation between the two. A table below the map shows the sewershed number as it corresponds on the map, the sewershed name, and the abundance of each variant.



Department of Health

KATHY HOCHUL
Governor

JAMES V. McDONALD, M.D., M.P.H.
Commissioner

MEGAN E. BALDWIN
Acting Executive Deputy Commissioner

June 30, 2023

Dr. Abderrahman Zehraoui, Ph.D
Executive Director, Niagara Falls Water Board
5815 Buffalo Avenue
Niagara Falls, NY 14304

Re: Drinking Water State Revolving Fund
Bipartisan Infrastructure Law Lead Service Line Replacement Funds
DWSRF Project No. 19405
Lead Service Line Inventory
City of Niagara Falls, Niagara County

Dear Dr. Zehraoui:

The NYS Department of Health (DOH) has completed an evaluation for Federal Fiscal Year (FFY) 2022 Bipartisan Infrastructure Law Lead Service Line Replacement (BIL-LSLR) funding through the Drinking Water State Revolving Fund (DWSRF) for the project referenced above. I am pleased to inform you that this project is eligible for a BIL-LSLR grant award of up to \$472,780.

This funding determination is based on the criteria as described in Amendment No. 4 to the FFY 2023 DWSRF Intended Use Plan (IUP).

Please note the following with regard to this funding determination:

- This funding award remains in effect through December 31, 2024, by which time a Project Finance Agreement (PFA) must be executed with the New York State Environmental Facilities Corporation (EFC).
- All projects funded through the BIL-LSLR must meet certain applicable programmatic requirements including, but not limited to:
 - Davis Bacon Federal Prevailing Wage rates
 - American Iron and Steel
 - Build America/Buy America (BABA) domestic sourcing
 - Federal Equivalency compliance including National Environmental Protection Act (NEPA) environmental review, federal cross-cutting authorities, disadvantaged business enterprises (DBE), single audit reporting, and surveillance services and equipment procurement, as applicable
 - Federal signage terms and conditions requiring a physical sign at construction sites. Signage guidance is available [Here](#).
 - Compliance with Federal architectural and engineering (A/E) services procurement requirements in order for A/E services to be eligible for reimbursement. A/E services procurement guidance, including the required certification form, is available [Here](#).

- Minority and Women-owned Business Enterprises (MWBE) /Equal Employment Opportunities (EEO)/ Disadvantaged Business Enterprises (DBE) participation
- An updated engineering report may be required as part of the project review process.

This DWSRF/BIL funding award letter is not a formal commitment by DOH & EFC to provide financial assistance. Such a commitment will be reflected in the PFA once executed by EFC and the applicant community. DOH & EFC may deny or otherwise adjust the financial assistance for your project if the project scope or total eligible project cost changes or based upon our review of the complete DWSRF financing application. In addition, financial assistance for your project may only be provided after receiving formal approvals from the EFC Board of Directors and the New York State Public Authorities Control Board.

Please confirm your acceptance of the funding award and intent to proceed with this project by completing and signing the enclosed form and returning it to design@health.ny.gov no later than **July 21, 2023**. Without your confirmation, we may bypass your project and award these funds to another community.

Our team along with staff at EFC will continue to assist you and your representatives through the financing process. We look forward to working with you on this important public health infrastructure project to ensure that your community has a safe, affordable, and sustainable drinking water system. Please contact me at stephen.marshall@health.ny.gov with any questions.

Sincerely,

 Stephen
Marshall

Digitally signed by
Stephen Marshall
Date: 2023.07.13
09:34:24 -04'00'

Stephen S. Marshall, P.E.
Chief, Residential Sanitation Section
Bureau of Water Supply Protection

ecc: NYSDOH – A. Kellerhouse/W. Silkworth
NYSEFC – M. Cunningham/R. Walker
Niagara County DOH – D. Ziehm/D. Drust
CPL – S. Krull

ACKNOWLEDGEMENT AND ACCEPTANCE OF BIL-LSLR FUNDING AWARD

Please confirm your community's acceptance of the BIL-EC funding and intent to proceed with this project by signing below. Please return the completed form and attachments (as appropriate) listed below to design@health.ny.gov no later than **July 21, 2023**.

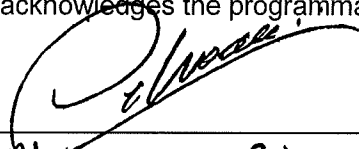
Check the appropriate box:

- A/E services have already been procured and procurement did comply with federal standards (submit completed A/E Procurement Certification Form)
 - A/E services have already been procured and procurement did not comply with federal standards
 - A/E Services have not yet been procured. A completed A/E Procurement Certification form will be submitted when available
- Provide a copy of any BANs related to the project

ACKNOWLEDGMENT BY THE AWARDEE:

DWSRF Project No. 19405
Lead Service Line Inventory
City of Niagara Falls, Niagara County

The Awardee intends to proceed with this project and accepts the BIL-LSLR funding award, and acknowledges the programmatic requirements noted above.



Dr. Abderrahman Zehraoui (Print Name)
Executive Director, NFWB (Title) 7/13/23 (Date)



MINUTES

Business Meeting of the Niagara Falls Water Board June 26, 2023 at 5:00 p.m.

**Water Treatment Plant Conference Room
5815 Buffalo Avenue, Niagara Falls New York 14304**

**Meeting could be attended in person
or via videoconference.**

1. Preliminary Matters

Chairman Forster called the meeting to order at 5:00 p.m.

Board Member Kimble said a prayer for the family of the late William Costello, father of Sean Costello, NFWB General Counsel.

a. Attendance:

Asklar (Board Member/Chairman of Finance/Member Exec. Staff Review Cmte.) *Present*

Forster (Chairman) *Present*

Kimble (Board Member) *Present via Videoconference*

Larkin (Board Member/Vice Chairwoman/Governance Chairwoman/
Chairwoman Exec. Staff Review Cmte.) *Present*

Leffler (Board Member/Member Exec. Staff Review Cmte.) *Present*

- b. Public Comments (All speakers must register with the meeting clerk prior to roll call and are limited to three minutes per person – total time for all speakers may not exceed one hour).**

No public comments.

c. Comments from Chairman Forster

Chairman Forster asked that the Board enter into executive session to discuss matters leading to the appointment, employment, promotion, demotion, or removal of a particular person.

Motion by Board Member Larkin and seconded by Board Member Asklar to enter into Executive Session at 5:04 p.m.

Asklar __Y__ Forster __Y__ Kimble __Y__ Larkin __Y__ Leffler __Y__

Motion carried, 5-0.

Motion by Board Member Asklar and seconded by Board Member Larkin to exit Executive Session at 5:27 p.m.

Asklar __Y__ Forster __Y__ Kimble __Y__ Larkin __Y__ Leffler __Y__

Motion carried, 5-0.

i. Before and After Operational Improvements

Chairman Forster commented on the before and after photos from today’s meeting packet, which show improvements made throughout the company. He stated that all the work shown has been done in-house, resulting in significant cost savings. In the past, many of these projects would have been done by outside contractors. Projects include replacing rugs original to the plant, improving stairs, redoing rundown break rooms, sealing and painting the gorge pump station tunnel, and other measures taken to improve work environment. He stated there are still many areas that are in need, but it can’t be done all at once and will take some time.

d. Presentations (none scheduled)

e. Letters and Communications

- i. 2023-06-14 – COVID Wastewater Surveillance Update Memorandum**
- ii. Correspondence from Jamestown Community College**

John Mogavero, an instructor from Jamestown Community College, sent an email to Mr. Eagler asking him to relay his message to the NFWB staff. Mr. Mogavero recently instructed Water and Wastewater Operator Courses in our facility over the span of two weeks. Mr. Mogavero stated that the WTP Conference Room was beneficial for operator training, especially the high-definition monitors, audio, and Wi-Fi. He looks forward to scheduling more training here in the future.

f. Prior Meeting Minutes

i. Draft May 22, 2023 Meeting Minutes

Motion by Board Member Larkin and seconded by Board Member Leffler to approve the May 22, 2023 meeting minutes.

Asklar __Y__ Forster __Y__ Kimble __Y__ Larkin __Y__ Leffler __Y__

Motion carried, 5-0.

2. Executive Director – Dr. Abderrahman Zehraoui

Dr. Zehraoui stated the NFWB met with the DEC and EFC on Thursday, June 15th, and submitted the application for the \$20 million plant conversion loan to the EFC on Friday, June 16th. The remaining funding for plant conversion, \$230 million, will be split into two applications, one for \$100 million, and another for \$130 million. Applications are due July 28th, 2023, and NFWB must provide further breakdown of the expected plant conversion costs. Next week, the team will be meeting with Governor Hochul’s environmental advisors to gain more support to optimize funding.

NFWB team members completed work related to the risk management plan in-house, taking over 60 hours to complete, instead of contracting the work to an engineering firm.

- a. WWTP Project Budget Tracker (CPL)**
- b. WWTP Construction Schedule Tracker (CPL)**
- c. Financial Award Summary (CPL)**

Jay Meyers and Seth Krull spoke on behalf of CPL. Mr. Krull gave an update on Item 2 from the Project Budget tracker. They are working with NFWB staff on submitting reimbursement requests from DASNY and EFC.

Mr. Meyers stated out of 11 projects, there are two remaining. Project 1 will be completed in 2024, Project 3 will be completed in August, and Project 7 was completed last week. Mr. Krull stated there has been discussion on using the remaining funds from the WWTP \$27 million grant for other items that have come up, including Intermediate Pumps, and paperwork has been submitted to the DEC.

Chairman Forster asked for an update on the roof repair project. Mr. Meyers stated the bids were opened last week, his estimate is around \$3.4 million, anticipated to start in September. Chairman Forster noted that the start time is significant because there are roof areas at the WTP that are in dire need of fixing, and patching is set to start soon, which will be a waste if major repairs will start right after. CPL will discuss this timeline with Mr. DeFranco to avoid excess work.

3. System Infrastructure and Operations – Russell DeFranco

Mr. DeFranco handed the Board Members a copy of correspondence with Marty Schebell, NFWB Control Maintenance Technician. This letter addresses WTP Turbidimeters, which are beyond their lifespan and take up most of Mr. Schebell’s time to maintain. We have 10 Turbidimeters, and 5 “brains” that operate 2 meters each. Parts are no longer available, and Mr. Schebell often must go down and reset them. There is a new Turbidimeter on loan to us, and he has not reset it since June 16th. Total cost to replace them all is \$54,000, but they don’t have to be replaced all at once. Old ones will be backup, to scavenge parts. We are required to monitor turbidity (water clarity), so it is necessary to have functioning turbidimeters.

Mr. DeFranco gave an update on WTP High Lift Pump 3, the valve is functioning properly and there are no concerns. He also stated Danforth began the work for the WWTP Intermediate Pump Valve replacement.

Currently, one Sedimentation Basin is down due to construction, and Sedimentation Basin 1 was fixed over the weekend. Mr. DeFranco thanked Mr. Eagler, and team, for using his Vac Truck to clean out Sed Basin 1, saving \$24,500.

4. Outside Infrastructure Updates – Michael Eagler

Mr. Eagler stated the 18th St Project (16” main running from Whitney to Ontario) has been completed. The road has been restored to better condition than before it was ripped up. Four new hydrants were installed on that main. The project finished \$55,000 under budget, with the help of CPL.

Freeze Thaw beds have been repaired and are ready for use.

The lift station modem for Cayuga Island came in (it has not been on SCADA for a couple months). Clayton Hotchkiss, Sanitary Engineer, will be working on programming this week.

Major flaws were discovered on Highland and Calumet 48” brick sewer main, they are estimating 300-400’ replacement. Will be a large, expensive project.

Mr. Eagler is working with the City and Fourth Generation to bring down the cost of a water valve repair on Walnut and Hyde Park.

5. Engineering – Douglas Williamson

a. Project Status Updates

Mr. Williamson stated for the Sodium Hypochlorite replacement project, he is hoping to use the remaining balance of the Phase 1 WWTP grant, issue a change order to Project #6, and get a quote from AECOM. If the quote is not sufficient, an RFP will go out.

Intermediate Pump RFP is almost done, and should be awarded by September.

Mr. Williamson stated he is waiting for answers on the electrical room HVAC, as two proposals were received, and he is unsure if they should go out for RFP. Chairman Forster stated he currently does not have an answer, and there may be a special meeting later this month.

Mr. Williamson put together an RFQ for architectural engineering services consulting to aid with project grants and RFPs.

6. Personnel Items – David San Lorenzo

a. June 26, 2023 Personnel Actions

The only item on today’s PA sheet is one resignation.

Mr. San Lorenzo stated that last year when Blue Cross switched over to Highmark, there were many billing issues. As they were reviewing a new health insurance contract at the beginning of this month, Mr. Eagler and two other employees were notified of the change. Mr. San Lorenzo stated that previous

year that we were still billed for. Mr. San Lorenzo thanks his staff, Fifi Sandonato and Erika Schroeder, for their diligent work in finding this mistake, which resulted in a substantial refund.

7. Information Technology (IT) – Dr. Abderrahman Zehraoui and Jonathan Joyce

Chairman Forster stated there was an issue last week with several employees being out and no one having access to Adobe Acrobat to create today’s meeting packet. Jonathan Joyce stated that all computers are equipped with Adobe Reader, but going forward he will extend Adobe Acrobat to users that need it, being mindful that Adobe has a monthly charge per user.

The server that IT is migrating Lucity to is up to date, and Mr. Joyce has a meeting with the account rep on June 28th to discuss the migration. Migration will start within the next couple weeks, and training will follow.

IT is also working on the VoIP system. They signed with Spectrum, are testing SIP trunks, and are getting ready to flex over telephone numbers, which will likely be a two-day procedure between both locations. They also found a service that offers language translation, which is charged per minute, and are looking into incorporating it into our phone system to be more inclusive to the community. Once the new phone system is in place, they will implement overhead paging.

The VPN was implemented and a job is being used for 2-factor identification.

Once the above projects are complete, IT will have a security audit done to test for vulnerability and check compliance.

8. Finance – Brian Majchrowicz

- a. Shutoff Program Update**
- b. Revenue Budget Performance Report through 4/30/2023**
- c. Sewer Fund Expense Budget Performance Report through 4/30/2023**
- c. Water Fund Expense Budget Performance Report through 4/30/2023**
- d. Board Fund Expense Budget Performance Report through 4/30/2023**
- e. Key Bank and Bank on Buffalo Balance Report**
- f. Wilmington Trust Balance Report**
- g. Treasury Account Balance Report**
- h. Budget Amendments Report**
- i. Capital Payments**

Mr. Majchrowicz was absent from today’s meeting.

Chairman Forster commented on the 2023 Budgeted Expenses - Expenditures of User Rates, Fees, and Charges Less Debt Service. He stated our Sodium Hypochlorite usage is down, which may have a significant favorable impact on the budget.

9. Questions Regarding May 2023 Operations and Maintenance Report

10. Safety – John Accardo

a. CPR/AED Training

The official PERMA inspection report was received, and the only concerns were minor housekeeping items. One of the recommendations from the inspection was the development of a safety committee.

Tomorrow, June 27th, there will be CPR/AED training by the NFFD for 17 of our employees in the WTP Conference Room, 9am-11am.

It was recommended by our auto insurance company, Zurich, that we develop fleet management policies. They also recommended driver safety training. A 6-hour course for each employee may reduce the company's and the driver's personal insurance premium.

11. General Counsel and Secretary – Sean Costello

12. From the Chairman

13. Resolutions

2023-06-001 – AWARD BID FOR WATER TREATMENT PLANT VENT PIPING REPLACEMENT

a. 2023-06-14 – Clark Patterson Lee Award Recommendation and Bid Tabulation for Project No. 14143.02

Motion by Board Member Larkin and seconded by Board Member Asklar to approve.

Asklar __Y__ Forster __Y__ Kimble __Y__ Larkin __Y__ Leffler __Y__

Motion carried, 5-0.

2. Unfinished/Old Business

1) WWTP Sodium Hypochlorite Tank Replacement

- 7/14/22: The 2021 WIIA Sewer (WWTP) Grant of \$1,125,000 was awarded on April 19, 2022 that included the some of the funds necessary to complete the WWTP tank removal and replacement work. We may be able to utilize some of the remaining balance of the WWTP Phase II grant to assist with this work, as well. We need approval from the NYSDEC to include some of the WWTP tank replacement work under this WWTP Phase II grant. The draft WWTP Tank Replacement RFP that was created needs to be finalized to show the grant funding sources that have been approved for the project before we can proceed.
- 9/22/22: Next step is requesting approval to use Phase II grant funds (will be packaged with other projects).

- 5/16/23: DEC comments on proposed allocation of grant funds received.

2) Whitney Ave. Water Main Replacement

- 5/9/2023: Bid released April 24. Contractors have submitted questions and requested an extension of the bid due date. An addendum is necessary to secure competitive bids has been issued extending the bid deadline to May 31, for award at the June 2023 Board meeting.

3) WTP Perimeter Fence Replacement Update

- 7/14/22: The 2021 WIHA Water Grant application of \$3 million was awarded on April 19, 2022 that included some funds that can be used for the WTP perimeter fence replacement work. On 7/13/22, the capital purchase order for the \$8,000 brush hog was completed to assist with the work in-house. WTP maintenance to schedule and coordinate the fencing work.
- 9/22/22: Brush hog delivered, Outside Maintenance has used it to clear along the fence line.
- 11/10/22: Obtaining quotes related to fence and other security needs, meeting OGS-listed contractor 11/17.
- 1/19/23: Project to be attempted in Spring with outside maintenance installing posts.
- 2/23/23: South side fence break repairs in progress. Ground elevation improvements and security wire on top of south side fence scheduled for Spring when ground has hardened.
- 5/17/23: Ground elevation correction work to be scheduled soon.

14. New Business & Additional Items for Discussion

15. Executive Session (if needed)

Conducted earlier in the meeting.

16. Adjournment of Meeting

Motion by Board Member Larkin and seconded by Board Member Asklar to adjourn the meeting at 6:40 p.m.

Asklar __Y__ Forster __Y__ Kimble __Y__ Larkin __Y__ Leffler __Y__

Motion carried, 5-0.



Niagara Falls Water Board (NFWB) Overall Project Budget Summary (Phase 1 Overall Budget = \$27M)

Last Updated: 7/12/2023

Key	
Not approved	
Preliminary Estimate	

Project	Scope	Budget	Scope/Vendor	Estimated/ Final	% Billed	Recent Work Update
1	Sedimentation Basin Upgrades	\$10,390,000	Design and Bidding (AECOM - Approved)	\$409,000	100%	Work continues on Basin #3. (Additional construction fee requested for concrete repair.)
			CA & CI (CPL - Approved)	\$470,000	70%	
			GEN Construction (Hohl - Per Bid - Approved)	\$7,836,250	72%	
			ELEC Construction (CIR - Per Bid - Approved)	\$922,769	77%	
			Project Total	\$9,638,019	74%	
			Remaining Budget	\$751,981		
2	GPS	\$4,100,000	Design and Bidding (GHD - Approved)	\$218,800	Final	Construction Complete.
			CA & CI (GHD - Approved)	\$315,230	Final	
			GEN Construction (STC - Per Bid - Approved)	\$2,653,000	Final	
			ELEC Construction (CIR - Per Bid - Approved)	\$418,300	Final	
			HVAC Construction (Danforth - Per Bid - Approved)	\$864,400	Final	
			Project Total	\$4,469,730	Final	
Remaining Budget	(\$369,730)					
3	Screens and Grit Transportation Equipment Improvements	\$1,920,000	Design and Bidding (Arcadis - Approved)	\$166,785	100%	Construction continues, waiting for control panel due in next few months.
			CA & CI (Arcadis - Approved)	\$217,750	93%	
			GEN Construction (Hohl - Per Bid - Approved)	\$1,551,986	82%	
			ELEC Construction (CIR - Per Bid - Approved)	\$255,210	76%	
			Project Total	\$2,191,730	84%	
			Remaining Budget	(\$271,730)		
4	Carbon and Filter Support Gravel Replacement	\$2,000,000	Design, Bidding, and CA/CI (AECOM - Approved)	\$114,718	Final	Construction Complete.
			GEN Construction (Carbon Activated - Per Bid - Approved)	\$1,798,840	Final	
			Final Project Total	\$1,913,558	Final	
			Final Remaining Budget	\$86,442		
5	Electrical System Improvements	\$2,610,000	Design/E.I. Team - Approved	\$102,120	100%	Submittals have been approved, waiting for delivery of transformers.
			Phase 2 Design - Approved	\$198,941	100%	
			Task 1 Construction - Ferguson - Approved	\$179,010	100%	
			Task 2 Construction - Ferguson - Approved	\$1,491,000	0%	
			Project Total	\$1,971,071	100%	
			Remaining Budget	\$638,929		

6	Effluent Disinfection	\$3,650,000	Design, Bid, and CI (AECOM - Approved)	\$189,966	Final	Construction Complete.
			GEN Construction (M&B - Per Bid - Approved)	\$1,421,042	Final	
			ELEC Construction (Ferguson - Per Bid - Approved)	\$108,000	Final	
			ELEC Construction (Ferguson - Approved Proposal - Net. Imp.)	\$338,047	Final	
			CA/In-House - CPL (Included in current CPL term contract)	~ 5% or \$185,000 if by engineer		
			Project Total	\$2,057,056		
			Remaining Budget	\$1,592,944		
7	Replacement of Critical Heating and Ventilation Equipment	\$1,160,000	Design and Bidding (E.I. Team - Approved)	\$111,800	100%	Construction closeout.
			CA/ CI (EI Team - Approved)	\$56,120	76%	
			ELEC Construction (CIR - Per Bid - Approved)	\$177,363	31%	
			HVAC Construction (Danforth - Per Bid - Approved)	\$782,000	68%	
			Running Total	\$1,127,283	62%	
			Remaining Budget	\$32,717		
8	Replacement of Blower Equipment	\$300,000	Design/In-House AECOM/ CPL (Included in current CPL contract)	N/A	N/A	Construction Complete.
			CA/CI/In-House - CPL (Included in current CPL term contract)	N/A	N/A	
			Construction (Armor Sales & Service)	\$2,478	Final	
			Construction (Core Welding)	\$950	Final	
			Construction (D&W Industrial)	\$28,222	Final	
			Construction (Mollenberg)	\$46,925	Final	
			Construction (Niagara Controls)	\$11,544	Final	
			Final Total	\$90,118		
Final Remaining Budget	\$209,882					
9	Replacement of Process Piping	\$640,000	Piping Assessment Report (Ramboll - Approved)	\$59,770	Final	Construction Complete.
			Design, Bidding, and CA/CI (JMD - Approved)	\$63,480	Final	
			Construction - (MLP - Per Bid - Approved)	\$428,300	Final	
			Running Total	\$551,550	Final	
			Remaining Budget	(\$88,450)		
10	SCADA Improvements	\$455,000	Phase 1 Design/ Construction/Kaman - Approved	\$352,450	76%	Kaman continues SCADA integration work with Capital Project contractors.
			Phase 2 Design/ Construction - Approved (For Project #6)	\$146,200		
			Running Total	\$498,650	76%	
			Remaining Budget	(\$43,650)		
Phase 1 Budget Total =		\$27,000,000	Anticipated Total Cost (Percentage of Total Budget)	\$24,508,764	Remaining Ph. Budget	\$2,491,236

Niagara Falls Water Board (NFWB) Overall Capital Project Budget Summary (Phase 2 Overall Budget = \$13M)

						Key	
						Not approved	
						Preliminary Estimate	
Project	Scope of Work	Budget	Scope/Vendor	Estimated Task	% Billed	Recent Work Update	
2B	Outfall	\$1,700,000	Design, Bidding, and CA/CI (GHD - Approved)	\$37,400	100%	(See Project #2 Update)	
			GEN Construction (STC - Per Bid - Approved)	\$562,000	90%		
			Running Total	\$599,400	91%		
			Remaining Budget	\$1,100,600			
11A	18" Plant Drain Upgrade	\$225,000	11A Design, Bidding, and CA/CI (JMD - Approved)	\$15,890	Final	Completed	
			Const. (Danforth - Per Bid - Approved)	\$169,000	Final		
			Running Total	\$184,890	Final		
			Remaining Budget	\$40,110			
11B	Hypo and Sludge Improvements	\$975,000	11B Design, Bidding, and CA/CI (JMD - Approved)	\$68,343	Final	Completed	
			Const. (Danforth - Per Bid - Approved)	\$571,490	Final		
			Running Total	\$639,833	Final		
			Remaining Budget	\$335,167			
12	Intermediate Pumps Upgrades	\$3,075,000	Intermediate Pump Assessment (GHD - Approved)	\$21,716	Final	RFP is prepared to be send out.	
			Running Total	\$21,716	Final		
			Remaining Budget	\$3,053,284			
Ph. 2 Budget = \$13,000,000			Phase 2 Running Total	\$4,499,123			
*Updated to reflect full available Phase 2 Budget, grant not yet approved			Phase 2 Remaining Budget	\$8,500,877			

NFWB Financial Award Summary

Last Updated: 6/12/23

Note: Changes from last summary are in red text



Description	Amount	Source	Status
AWARDED			
Various Watermain Improvements 2018 GRANT Portion	\$5,495,000 total \$3,000,000 grant \$2,495,000 loan 2/11/21 Agreement Date 2/11/26 use funds by	NYS EFC DWSRF 18588	City Engineer and Urban Engineers started design on two streets. CPL is involved with; 18th Street completed, Whitney Ave bid completed & Board to consider award, 77th Street under design.
Various Watermain Improvements 2018 LOAN Portion	\$5,495,000 total \$3,000,000 grant \$2,495,000 loan	NYS EFC DWSRF 18588	City Engineer and Urban Engineers started design on two streets. 18th Street under construction. Whitney Ave in bid process. 77th Street under design. Anticipate overall costs will be higher than \$5.5 million and additional loan will be needed. CPL can provide estimate upon request.
Sewer Plant Phase 1 Improvements	\$13,500,000 grant	NYS DASNY ID #15688	Awarded. Six reimbursements received that total \$4.81 million. CPL preparing reimbursement request.
Sewer Plant Phase 1 Improvements	\$13,500,000 loan long term \$27,000,000 loan short term	NYS EFC #C9-6603-12-00	Financial agreement has been processed April 2021. Disbursement request #1 for \$1.6 million has been received by NFWB. EFC approved 2nd request paperwork in amount of \$8.8 million, payment remitted. CPL preparing reimbursement #3.
Sewer Plant Phase 2 Improvements	\$13,000,000 total \$6,500,000 grant	NYS DASNY	Projects 2B, 11A, 11B and 12 are allowed to access this funding. Email sent to DEC 5/4/23 requesting projects to use remaining funds for. Awaiting DEC response.
LaSalle Sewer Area Phase 2 system report update & flow monitoring	\$250,000 total \$100,000 grant \$150,000 NFWB Match	NYSDEC Engineering Planning Grant	Application submitted 7/30/21. Grant awarded December 2021. May 2022 conference call with NFWB, DEC and EFC. NYS okay with revised schedule. EFC approved Arcadis agreement 3/13/23.
LaSalle Sewer Area Phase 2 Construction	\$1,000,000 total \$800,000 grant \$200,000 NFWB match	NYSDEC WQIP C01522GG #111619	Application submitted 7/30/21. Grant awarded December 2021. May 2022 conference call with NFWB, DEC and EFC. NYS okay with revised schedule. Possible improvements can be done in 2022 or 2023. NFWB staff to obtain agreement with DEC by end of March per DEC request.
LaSalle Sewer Area Phase 2 Construction	\$1,018,400 loan	NYS EFC CWSRF C9-6603-13-00	Application made to Intended Use Plan and listed. Funding can be for short & long terms to help assist with above WQIP grant. Bond resolution sent to EFC 12/23/22. EFC sent missing items letter 2/9/23. 4/25/23 conf call with NFWB, EFC and DEC to discuss missing items. NFWB to provide requested information.

NFWB Financial Award Summary



Last Updated: 6/12/23

Note: Changes from last summary are in red text

Description	Amount	Source	Status
Drinking Water Fluoridation Component 1 (Planning Study for water plant upgrades)	\$25,000 grant	NYS Division of Family Health #T37250GG	Application submitted 10/1/21. Planning grant awarded 2/7/22. Requested paperwork provided to DOH 3/7/22. NFWB sent quarterly report to DOH 11/7/22. NFWB obtained proposal and awarded study. Provide remaining paperwork to NYS once study complete.
2021 Various Watermain & System Improvements	\$10,025,000 total \$3,000,000 grant \$7,025,000 loan	NYS EFC DWSRF 19056	Board approved resolution 10/25/21. Application to EFC made 11/19/21. Funding awarded April 2022, NFWB accepted 5/13/22. EFC sent missing items letter 3/2/23 and request response by 3/31/23. 4/25/23 conf call with NFWB, EFC and DEC to discuss missing items. NFWB to provide requested information which involve obtaining design proposals.
2021 Various Sewer & System Improvements	\$4,500,000 total \$1,125,000 grant \$3,375,000 loan	NYS EFC CWSRF C9-6603-14-00	Board approved resolution 10/25/21. Application to EFC made 11/19/21. Funding awarded April 2022, NFWB accepted 5/13/22. EFC to send draft agreement for review. EFC requesting information on backup generator. CPL working with suppliers and staff. EFC sent missing items letter 2/3/23 and request response by 2/28/23. 4/25/23 conf call with NFWB, EFC and DEC to discuss missing items. NFWB to provide requested information which involve obtaining design proposals.
2022 Various Sewer & System Improvements	\$5,400,000 total \$1,250,000 grant \$4,150,000 loan	NYS EFC CWSRF C9-6603-16-00	NFWB staff & CPL met 3/7/22 to discuss. EFC submission deadline 9/9/22. Application submitted 9/8/22. EFC announced award 11/4/22. NFWB accepted award 11/16/22. EFC sent missing items letter 2/10/23 and request response by 3/10/23. 4/25/23 conf call with NFWB, EFC and DEC to discuss missing items. NFWB to provide requested information which involve obtaining design proposals.
2022 Lead Service Line Removal Bipartisan Infrastructure Law (BIL)	\$472,780 grant	NYS EFC DWSRF	Program offers funds to replace lead service lines from main to house. NFWB staff elected to submit 8/18/22. Application and report submitted 8/31/22. NFWB is listed on Intended Use Plan. DOH sent award letter 6/30/23 to City and copied NFWB. Assuming City needs to administer grant. DOH requires email correspondence if accepting grant by 7/21/23.

NFWB Financial Award Summary



Last Updated: 6/12/23

Note: Changes from last summary are in red text

Description	Amount	Source	Status
FUTURE			
Local Government Records Management Improvement	Grant, varies. Up to \$150,000 if submit with City	NYS Archives	Recommend NFWB partner with City to maximize grant award. If City not interested, NFWB should make application by themselves. Application period anticipated to be early 2021. NFWB met with City Feb 2021 to discuss. CPL awaiting direction.
Local Government Efficiency Program	Grant, varies. Up to \$150,000 if submit with City	NYS DOS	For projects that will achieve improvements between NFWB and other entities such as County, City, Public Safety, etc. NFWB met with City Feb 2021 to discuss. CPL awaiting direction.
Zero-Emission Vehicle Infrastructure Grant (electric charging stations)	max \$250,000 per location and max \$500,000 to NFWB, up to 20% NFWB match	NYS OCC	Stations must be accessible by public. NFWB interested in adding to Water Plant front parking lot. Part of CFA process. Next application deadline anticipated July 2023.
Large Funding Request Sewer Plant Biological Conversion	\$250,000,000 Total To be 3 parts on EFC IUP \$20 mill loan (design) \$100 mill \$130 mill	NYS & Federal	Effort underway with officials for request. Several meetings with officials and WNY funding delegation. CPL submitted financial application to EFC IUP list 1/11/21. Funding request submitted to Senator Schumer 4/9/22. EFC Intended Use Plan listing updated 6/7/22. Meeting between NFWB, EFC and DEC 4/26/23 to discuss conversion. \$20 million loan request made to EFC IP on 6/16/23. Preparing \$100 million EFC WIHA application by 7/28 to access WIHA & BIL grant funding. SEQR needed.
Large Funding Request Lead Removal	\$70,000,000	NYS & Federal	Effort underway with officials for request. Several meetings with officials and WNY funding delegation.
Drinking Water Fluoridation Component 2 (construction funds for water plant upgrades)	up to \$1,000,000 grant	NYS Division of Family Health	To be submitted for once study prepared and approved by NYS. NYS has open submissions through 2028.
Water System Pipe Condition Assessment & Real Time Analysis			NFWB staff & CPL discussed 3/7/22 desire to perform assessments within water system. NFWB previously received proposals, however they were cost prohibitive. CPL to see if any funding programs available.

NFWB Financial Award Summary

Last Updated: 6/12/23

Note: Changes from last summary are in red text



Description	Amount	Source	Status
Additional Lead Removal Funding Programs			NFWB staff met with Senator Gillibrand staff 8/22 and obtained information on several funding programs. CPL to investigate and provide response for possible opportunities.
2023 Various Watermain & System Improvements	\$15,240,000 total maximum of \$5,000,000 grant possible	NYS EFC DWSRF	CPL & NFWB staff to prepare EFC WIIA submission that will include prior 2022 work scope (Beech Ave Tank) plus new items of West Riverside, Water plant roof, scrubber and vent pipes. SEQR needed. Submission deadline 7/28/23.
2023 Various Sewer & System Improvements	Cost to be determined \$600,000?? 25% grant possible	NYS EFC CWSRF	CPL & NFWB staff to prepare EFC WIIA submission for funds to repair 48 inch brick sewer along Calumet Street. SEQR needed. Submission deadline 7/28/23.

NFWB Financial Award Summary

Last Updated: 6/12/23

Note: Changes from last summary are in red text



Description	Amount	Source	Status
COMPLETED / NOT ACTIVE			
LaSalle Sewer Area Phase 1 system report update & flow monitoring	\$100,000 grant	NYSDEC Engineering Planning Grant EPG #93794	Total payment of \$100,000 has been received by NFWB.
Sewer Plant Consent Order Items 11 & 14	\$500,000 grant	NYS DEC & EFC R9-20170906-129	Paperwork submitted and EFC/DEC reviewed. Payment has been issued.
Bollier Avenue Watermain Improvements 2017	\$400,000 total \$240,000 grant	NYS EFC DWSRF 18435	Funding Agreement Signed. Construction completed October 2020. All EFC reimbursements received.
Water Efficiency Green Grant Innovation Program	grant up to 75% of work \$625,000 estimated project cost	NYS CFA	Grant program to pay for meter installation, replacements or upgrades. Anticipated submission deadline July 2022. Neptune involved to help confirm cost and scope. Desire to upgrade meters from AMR to AMI type. CPL sent NFWB email regarding application requirements. NFWB not moving forward per 5/25/22 email.
2022 Various Watermain & System Improvements	\$7,785,000 total \$3,000,000 grant \$4,785,000 loan	NYS EFC	NFWB staff & CPL met 3/7/22 to discuss. EFC submission deadline 9/9/22. Application submitted 9/8/22. Not awarded with 11/4/22 EFC announcements. NFWB sent EFC email 2/3/23 noting to not accept loan and will resubmit for grant in 2023.

Niagara Falls Water Board
 Personnel Actions and Report
 Monday, July 24, 2023

Personnel Actions Sheet & Requested of the Board.
 All appointments are subject to the appointee meeting the minimum qualifications and all applicable civil service conditions.

A. PERSONNEL ACTIONS RECOMMEND TO HIRE				
Line Item Number	Position	Department/Location	Pay Rate or Grade	ADDITIONAL INFORMATION

B. RECOMMENDED PROMOTION / MOVE / APPOINTMENT				
Line Item Number	Name and Position	Type of labor move	Change in pay rate or grade	ADDITIONAL INFORMATION

C. PREVIOUSLY TABLED PERSONNEL ACTIONS (From 2023)				
Line Item Number	Action and Position	Department/Location	Pay Rate or Grade	ADDITIONAL INFORMATION

D. OTHER PERSONNEL ACTIVITY FOR BOARD NOTIFICATION				
Name	Position	Department/Location	Pay Rate	ADDITIONAL INFORMATION
Mark Richmond	MW 3	Bldg. & Grounds, WWTP	\$17.87/hr	Resignation effective 6/23/23

E. PERSONNEL ON LONG TERM LEAVE OF ABSENCE				
Position	Last Day Worked	Dept.	Return Status	Comments
Meter Tech	7/12/2023	Meter Maint	Unknown	Workers Comp

2023 Year to Date - NFWB Paid Time Off for Union Business

Employee	Hours of NFWB Paid Union Time	Wages	Benefits	Total Including Benefits
USW Employee 1	124.25	\$3,167.92	\$1,254.93	\$4,422.85
USW Employee 2	154.00	\$4,348.47	\$2,664.20	\$7,012.67
USW Employee 3	71.00	\$1,841.60	\$717.10	\$2,558.70
USW Employee 4	66.00	\$1,499.91	\$666.66	\$2,166.57
USW Employee 5	6.00	\$146.10	\$60.00	\$206.10
USW Employee 6	21.00	\$599.29	\$363.00	\$962.29
USW Employee 7	10.50	\$323.99	\$181.65	\$505.64
USW Employee 8	135.25	\$4,514.81	\$1,366.03	\$5,880.84
USW Employee 9	78.00	\$1,556.31	\$787.80	\$2,344.11
USW Employee 10	24.00	\$586.14	\$242.40	\$828.54
IBEW Employee	<u>58.50</u>	<u>\$1,796.51</u>	<u>\$1,012.05</u>	<u>\$2,808.56</u>
	748.5	\$20,381.05	\$9,315.82	\$29,696.87
Time Period: January 1, 2023 through July 12, 2023				

Revenue Budget Performance Report

Fiscal Year to Date 06/30/23

Exclude Rollup Account

Account	Account Description	Adopted Budget	Budget Amendments	Amended Budget	Current Month Transactions	YTD Encumbrances	YTD Transactions	Budget - YTD Transactions	% Used/ Rec'd	Prior Year YTD
Fund	FA - Water Board - Water									
	REVENUE									
	<i>Departmental Income</i>									
2122.001	Visual Inspections	50,000.00	.00	50,000.00	2,460.00	.00	20,202.50	29,797.50	40	26,237.50
2140.001	District 1	2,101,006.00	.00	2,101,006.00	1,912.05	.00	981,560.21	1,119,445.79	47	341,718.14
2140.002	District 2	2,546,082.00	.00	2,546,082.00	1,344.56	.00	1,141,159.47	1,404,922.53	45	548,598.78
2140.003	District 3	1,909,562.00	.00	1,909,562.00	465,763.95	.00	922,758.69	986,803.31	48	583,424.21
2140.004	Non-Resident	42,000.00	.00	42,000.00	.00	.00	19,443.48	22,556.52	46	16,827.03
2140.005	Industrial	3,591,522.00	.00	3,591,522.00	58.24	.00	1,150,240.46	2,441,281.54	32	278,032.34
2140.006	Industrial SIU	3,189,405.00	.00	3,189,405.00	.00	.00	1,284,615.87	1,904,789.13	40	691,721.27
2140.008	Hydrant Usage	6,000.00	.00	6,000.00	1,260.76	.00	2,076.29	3,923.71	35	508.35
2140.599	Miscellaneous Departmental Incom	5,000.00	.00	5,000.00	250.00	.00	2,100.00	2,900.00	42	1,250.00
2141.000	Allowance for Unpaid Trfd	(125,000.00)	.00	(125,000.00)	.00	.00	18,392.27	(143,392.27)	-15	19,762.63
2144.003	Fire Service	91,000.00	.00	91,000.00	.00	.00	.00	91,000.00	0	.00
2144.005	Service Charge	455,000.00	.00	455,000.00	24,765.10	.00	225,719.11	229,280.89	50	225,352.20
2144.006	Lab Analysis	35,000.00	.00	35,000.00	5,635.50	.00	16,344.07	18,655.93	47	16,038.00
2144.008	Missing Meter Charge	25,000.00	.00	25,000.00	1,530.00	.00	14,081.50	10,918.50	56	9,979.50
2144.009	Mtr Install/Reinstall/Reactivate	5,000.00	.00	5,000.00	200.00	.00	2,100.00	2,900.00	42	2,375.00
2144.010	Final Meter Read/Inspect	18,000.00	.00	18,000.00	1,750.00	.00	7,525.00	10,475.00	42	9,575.00
2144.011	Hydrant Testing	300.00	.00	300.00	.00	.00	.00	300.00	0	.00
2144.012	Backflow Certification	7,500.00	.00	7,500.00	70.00	.00	3,305.00	4,195.00	44	3,640.00
2148.001	District 1	78,928.00	.00	78,928.00	(91.52)	.00	38,405.45	40,522.55	49	33,428.35
2148.002	District 2	49,005.00	.00	49,005.00	(6.42)	.00	24,134.73	24,870.27	49	18,011.29
2148.003	District 3	65,561.00	.00	65,561.00	28,079.98	.00	64,876.09	684.91	99	48,860.41
2148.004	Non-Resident	2,178.00	.00	2,178.00	.00	.00	365.17	1,812.83	17	182.73
2148.005	Industrial	16,549.00	.00	16,549.00	.00	.00	12,038.19	4,510.81	73	4,580.13
2148.006	Industrial SIU	7,638.00	.00	7,638.00	.00	.00	.00	7,638.00	0	.00
2148.599	Penalty - Miscellaneous	4,460.00	.00	4,460.00	.03	.00	.18	4,459.82	0	1.43
	<i>Departmental Income Totals</i>	\$14,176,696.00	\$0.00	\$14,176,696.00	\$534,982.23	\$0.00	\$5,951,443.73	\$8,225,252.27	42%	\$2,880,104.29
	<i>Intergovernmental Charges</i>									
2230.A	City of Niag Falls-Generl	230,102.00	.00	230,102.00	.00	.00	.00	230,102.00	0	.00
	<i>Intergovernmental Charges Totals</i>	\$230,102.00	\$0.00	\$230,102.00	\$0.00	\$0.00	\$0.00	\$230,102.00	0%	\$0.00
	<i>Use Of Money & Property</i>									
2401.000	Interest Earnings	25,000.00	.00	25,000.00	.00	.00	113,244.97	(88,244.97)	453	(13,583.77)
	<i>Use Of Money & Property Totals</i>	\$25,000.00	\$0.00	\$25,000.00	\$0.00	\$0.00	\$113,244.97	(\$88,244.97)	453%	(\$13,583.77)
	<i>Licenses And Permits</i>									
2550.006	Cellular Towers	230,000.00	.00	230,000.00	16,085.65	.00	96,366.83	133,633.17	42	110,223.12
2590.004	Hydrant Permits & Rentals	12,000.00	.00	12,000.00	640.00	.00	3,292.21	8,707.79	27	2,988.32
	<i>Licenses And Permits Totals</i>	\$242,000.00	\$0.00	\$242,000.00	\$16,725.65	\$0.00	\$99,659.04	\$142,340.96	41%	\$113,211.44
	<i>Sale Of Prop/Cmp For Loss</i>									
2650.000	Sale Of Scrap	10,000.00	.00	10,000.00	404.75	.00	2,799.64	7,200.36	28	9,348.68

Revenue Budget Performance Report

Fiscal Year to Date 06/30/23

Exclude Rollup Account

Account	Account Description	Adopted Budget	Budget Amendments	Amended Budget	Current Month Transactions	YTD Encumbrances	YTD Transactions	Budget - YTD Transactions	% Used/ Rec'd	Prior Year YTD
Fund	FA - Water Board - Water									
	REVENUE									
	<i>Sale Of Prop/Cmp For Loss</i>									
2665.000	Sale-Equipment	2,723.00	.00	2,723.00	.00	.00	.00	2,723.00	0	.00
	<i>Sale Of Prop/Cmp For Loss Totals</i>	\$12,723.00	\$0.00	\$12,723.00	\$404.75	\$0.00	\$2,799.64	\$9,923.36	22%	\$9,348.68
	<i>Misc Local Sources</i>									
2701.000	Refund Appro Exp Prior Yr	.00	.00	.00	(3,392.24)	.00	(4,846.74)	4,846.74	+++	1,124.55
2770.001	NSF Check Charge	8,000.00	.00	8,000.00	945.00	.00	4,900.00	3,100.00	61	3,710.00
2770.599	Undesignated	5,000.00	.00	5,000.00	.00	.00	.00	5,000.00	0	6,144.16
	<i>Misc Local Sources Totals</i>	\$13,000.00	\$0.00	\$13,000.00	(\$2,447.24)	\$0.00	\$53.26	\$12,946.74	0%	\$10,978.71
	<i>Interfund Revenues</i>									
2801.GA	Interfd Rev WtrBd-Sewr	.00	.00	.00	.00	.00	191,331.46	(191,331.46)	+++	155,477.04
	<i>Interfund Revenues Totals</i>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$191,331.46	(\$191,331.46)	+++	\$155,477.04
	REVENUE TOTALS	\$14,699,521.00	\$0.00	\$14,699,521.00	\$549,665.39	\$0.00	\$6,358,532.10	\$8,340,988.90	43%	\$3,155,536.39
Fund	FA - Water Board - Water Totals	\$14,699,521.00	\$0.00	\$14,699,521.00	\$549,665.39	\$0.00	\$6,358,532.10	\$8,340,988.90		\$3,155,536.39

Revenue Budget Performance Report

Fiscal Year to Date 06/30/23

Exclude Rollup Account

Account	Account Description	Adopted Budget	Budget Amendments	Amended Budget	Current Month Transactions	YTD Encumbrances	YTD Transactions	Budget - YTD Transactions	% Used/ Rec'd	Prior Year YTD
Fund	FGA - Water Authority									
	REVENUE									
	<i>Misc Local Sources</i>									
2770.599	Undesignated	.00	.00	.00	.00	.00	.00	.00	+++	(1,593,255.15)
	<i>Misc Local Sources Totals</i>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	+++	(\$1,593,255.15)
	REVENUE TOTALS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	+++	(\$1,593,255.15)
Fund	FGA - Water Authority Totals	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		(\$1,593,255.15)

Revenue Budget Performance Report

Fiscal Year to Date 06/30/23

Exclude Rollup Account

Account	Account Description	Adopted Budget	Budget Amendments	Amended Budget	Current Month Transactions	YTD Encumbrances	YTD Transactions	Budget - YTD Transactions	% Used/ Rec'd	Prior Year YTD
Fund	GA - Water Board - Sewer									
	REVENUE									
	<i>Departmental Income</i>									
2120.001	District 1	2,732,467.00	.00	2,732,467.00	2,498.48	.00	1,306,554.00	1,425,913.00	48	457,899.87
2120.002	District 2	3,329,002.00	.00	3,329,002.00	1,779.82	.00	1,516,387.76	1,812,614.24	46	730,133.37
2120.003	District 3	2,504,700.00	.00	2,504,700.00	622,146.03	.00	1,229,974.51	1,274,725.49	49	778,219.41
2120.005	Industrial CSIRU	5,079,433.00	.00	5,079,433.00	77.09	.00	1,667,042.99	3,412,390.01	33	341,782.97
2120.006	Industrial SIU	10,438,936.00	.00	10,438,936.00	1,281,627.07	.00	6,180,372.52	4,258,563.48	59	3,842,464.11
2120.008	Hydrant Usage	10,000.00	.00	10,000.00	1,731.56	.00	2,811.10	7,188.90	28	672.19
2120.102	Town Of Niagara	1,098,067.00	.00	1,098,067.00	.00	.00	432,127.55	665,939.45	39	294,230.23
2122.001	Visual Inspections	.00	.00	.00	(60.00)	.00	(60.00)	60.00	+++	(180.00)
2122.002	Dye Tests	50,000.00	.00	50,000.00	2,520.00	.00	20,162.50	29,837.50	40	26,417.50
2128.001	District 1	98,024.00	.00	98,024.00	(132.83)	.00	51,177.15	46,846.85	52	44,069.07
2128.002	District 2	70,017.00	.00	70,017.00	(8.49)	.00	31,866.89	38,150.11	46	19,328.40
2128.003	District 3	86,948.00	.00	86,948.00	37,910.61	.00	86,354.05	593.95	99	65,183.63
2128.005	Industrial	19,095.00	.00	19,095.00	.00	.00	17,754.66	1,340.34	93	7,490.17
2128.006	Industrial SIU	20,368.00	.00	20,368.00	.00	.00	5,725.72	14,642.28	28	8,856.81
2141.000	Allowance for Unpaid Trfd	(125,000.00)	.00	(125,000.00)	.00	.00	23,103.89	(148,103.89)	-18	26,851.73
	<i>Departmental Income Totals</i>	\$25,412,057.00	\$0.00	\$25,412,057.00	\$1,950,089.34	\$0.00	\$12,571,355.29	\$12,840,701.71	49%	\$6,643,419.46
	<i>Use Of Money & Property</i>									
2401.000	Interest Earnings	25,000.00	.00	25,000.00	.00	.00	113,244.97	(88,244.97)	453	(13,583.77)
	<i>Use Of Money & Property Totals</i>	\$25,000.00	\$0.00	\$25,000.00	\$0.00	\$0.00	\$113,244.97	(\$88,244.97)	453%	(\$13,583.77)
	<i>Licenses And Permits</i>									
2590.006	SIU 5-Yr Permits	5,000.00	.00	5,000.00	.00	.00	.00	5,000.00	0	1,000.00
	<i>Licenses And Permits Totals</i>	\$5,000.00	\$0.00	\$5,000.00	\$0.00	\$0.00	\$0.00	\$5,000.00	0%	\$1,000.00
	<i>Fines And Forfeits</i>									
2620.000	Forfeitures Of Deposits	500.00	.00	500.00	.00	.00	.00	500.00	0	.00
	<i>Fines And Forfeits Totals</i>	\$500.00	\$0.00	\$500.00	\$0.00	\$0.00	\$0.00	\$500.00	0%	\$0.00
	<i>Sale Of Prop/Cmp For Loss</i>									
2650.000	Sale Of Scrap	5,000.00	.00	5,000.00	.00	.00	448.50	4,551.50	9	2,937.47
	<i>Sale Of Prop/Cmp For Loss Totals</i>	\$5,000.00	\$0.00	\$5,000.00	\$0.00	\$0.00	\$448.50	\$4,551.50	9%	\$2,937.47
	<i>Misc Local Sources</i>									
2701.000	Refund Appro Exp Prior Yr	.00	.00	.00	(6,864.00)	.00	(19,851.36)	19,851.36	+++	2,467.98
2770.599	Undesignated	25,000.00	.00	25,000.00	.00	.00	21,657.34	3,342.66	87	17,398.28
	<i>Misc Local Sources Totals</i>	\$25,000.00	\$0.00	\$25,000.00	(\$6,864.00)	\$0.00	\$1,805.98	\$23,194.02	7%	\$19,866.26
	<i>Interfund Revenues</i>									
2801.F	Interfd Rev Fr Water	.00	.00	.00	.00	.00	251,118.35	(251,118.35)	+++	170,571.16
	<i>Interfund Revenues Totals</i>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$251,118.35	(\$251,118.35)	+++	\$170,571.16
	REVENUE TOTALS	\$25,472,557.00	\$0.00	\$25,472,557.00	\$1,943,225.34	\$0.00	\$12,937,973.09	\$12,534,583.91	51%	\$6,824,210.58
	Fund GA - Water Board - Sewer Totals	\$25,472,557.00	\$0.00	\$25,472,557.00	\$1,943,225.34	\$0.00	\$12,937,973.09	\$12,534,583.91		\$6,824,210.58

Revenue Budget Performance Report

Fiscal Year to Date 06/30/23

Exclude Rollup Account

Account	Account Description	Adopted Budget	Budget Amendments	Amended Budget	Current Month Transactions	YTD Encumbrances	YTD Transactions	Budget - YTD Transactions	% Used/ Rec'd	Prior Year YTD
Fund	VFG - Plant Fund									
	REVENUE									
	<i>Use Of Money & Property</i>									
2401.000	Interest Earnings	700,000.00	.00	700,000.00	91,243.52	.00	519,605.28	180,394.72	74	224,943.37
	<i>Use Of Money & Property Totals</i>	\$700,000.00	\$0.00	\$700,000.00	\$91,243.52	\$0.00	\$519,605.28	\$180,394.72	74%	\$224,943.37
	<i>Sale Of Prop/Cmp For Loss</i>									
2675.000	Gain on Disposal of Assets	.00	.00	.00	.00	.00	.00	.00	+++	16,250.60
	<i>Sale Of Prop/Cmp For Loss Totals</i>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	+++	\$16,250.60
	<i>Proceeds Of Obligations</i>									
4990.000	Grant Revenue	.00	.00	.00	50,000.00	.00	50,000.00	(50,000.00)	+++	1,758,370.70
	<i>Proceeds Of Obligations Totals</i>	\$0.00	\$0.00	\$0.00	\$50,000.00	\$0.00	\$50,000.00	(\$50,000.00)	+++	\$1,758,370.70
	REVENUE TOTALS	\$700,000.00	\$0.00	\$700,000.00	\$141,243.52	\$0.00	\$569,605.28	\$130,394.72	81%	\$1,999,564.67
	Fund VFG - Plant Fund Totals	\$700,000.00	\$0.00	\$700,000.00	\$141,243.52	\$0.00	\$569,605.28	\$130,394.72		\$1,999,564.67
	Grand Totals	\$40,872,078.00	\$0.00	\$40,872,078.00	\$2,634,134.25	\$0.00	\$19,866,110.47	\$21,005,967.53		\$10,386,056.49

Expense Budget Performance Report

Fiscal Year to Date 06/30/23

Exclude Rollup Account

Account	Account Description	Adopted Budget	Budget Amendments	Amended Budget	Current Month Transactions	YTD Encumbrances	YTD Transactions	Budget - YTD Transactions	% Used/ Rec'd	Prior Year YTD
Fund	GA - Water Board - Sewer									
	EXPENSE									
	<i>Personnel - Position Control</i>									
0110.000	Biweekly Payroll	3,182,606.00	.00	3,182,606.00	84,310.95	.00	1,060,534.70	2,122,071.30	33	1,211,781.11
0153.000	Stipend	.00	.00	.00	.00	.00	.00	.00	+++	57.69
	<i>Personnel - Position Control Totals</i>	\$3,182,606.00	\$0.00	\$3,182,606.00	\$84,310.95	\$0.00	\$1,060,534.70	\$2,122,071.30	33%	\$1,211,838.80
	<i>Personnel Services</i>									
0111.000	Biweekly Comp Differential	.00	.00	.00	.00	.00	.00	.00	+++	911.12
0121.000	Weekly Comp Differential	.00	.00	.00	2.50	.00	62.12	(62.12)	+++	28.83
0125.000	Insurance OPT Out	102,356.00	.00	102,356.00	4,186.92	.00	45,974.70	56,381.30	45	49,043.24
0130.000	Temporary Payroll	438,990.00	(125,000.00)	313,990.00	17,048.33	.00	250,092.50	63,897.50	80	141,436.82
0140.000	Overtime	206,500.00	.00	206,500.00	10,316.21	.00	89,812.19	116,687.81	43	163,048.06
0150.000	Acting Next-In-Rank Pay	12,480.00	.00	12,480.00	.00	.00	.00	12,480.00	0	238.78
0151.A	Sunday Contractual Pay	51,000.00	.00	51,000.00	.00	.00	.00	51,000.00	0	15,787.43
0151.000	Sunday Premium Pay	.00	.00	.00	1,629.98	.00	22,127.58	(22,127.58)	+++	8,296.21
0152.000	Shift Premium Pay	.00	.00	.00	.00	.00	.00	.00	+++	115.66
0155.A	Holiday Contractual Pay	33,500.00	.00	33,500.00	4,040.09	.00	15,492.02	18,007.98	46	9,864.51
0155.000	Holiday Pay	.00	.00	.00	8,846.80	.00	40,652.93	(40,652.93)	+++	27,346.39
0165.000	Military Leave	.00	.00	.00	665.52	.00	6,910.76	(6,910.76)	+++	4,341.86
0170.000	Overtime Meals	8,100.00	.00	8,100.00	174.50	.00	2,527.50	5,572.50	31	4,202.75
0180.000	Comp. Time Earned	.00	.00	.00	1,692.19	.00	6,846.67	(6,846.67)	+++	2,844.22
0181.000	Vacation Pay	.00	.00	.00	467.61	.00	6,783.17	(6,783.17)	+++	61,986.46
0182.000	Personal Time	.00	.00	.00	.00	.00	1,123.59	(1,123.59)	+++	669.88
0183.000	Compensatory Time Off	.00	.00	.00	5,795.80	.00	65,741.74	(65,741.74)	+++	20,444.13
0184.000	Funeral Leave	.00	.00	.00	.00	.00	1,426.69	(1,426.69)	+++	2,069.33
0186.000	Call-In Time	19,000.00	.00	19,000.00	805.41	.00	9,562.82	9,437.18	50	11,882.17
0189.000	Sick Leave	.00	.00	.00	1,874.54	.00	26,876.82	(26,876.82)	+++	33,903.16
	<i>Personnel Services Totals</i>	\$871,926.00	(\$125,000.00)	\$746,926.00	\$57,546.40	\$0.00	\$592,013.80	\$154,912.20	79%	\$558,461.01
	<i>Capital Outlays</i>									
0210.000	Furniture & Furnishings	2,500.00	15,000.00	17,500.00	.00	294.37	11,567.96	5,637.67	68	.00
0220.000	Office Equipment	500.00	.00	500.00	.00	.00	.00	500.00	0	.00
0250.500	Safety Equipment	10,000.00	2,000.00	12,000.00	.00	3,477.57	6,724.58	1,797.85	85	845.15
	<i>Capital Outlays Totals</i>	\$13,000.00	\$17,000.00	\$30,000.00	\$0.00	\$3,771.94	\$18,292.54	\$7,935.52	74%	\$845.15
	<i>Capital Construction</i>									
0300.000	Capital Construction	.00	.00	.00	8,194.21	.00	53,300.64	(53,300.64)	+++	.00
	<i>Capital Construction Totals</i>	\$0.00	\$0.00	\$0.00	\$8,194.21	\$0.00	\$53,300.64	(\$53,300.64)	+++	\$0.00
	<i>Contractual Expenses</i>									
0411.000	Office Supplies	3,050.00	.00	3,050.00	69.70	932.45	1,379.96	737.59	76	.00
0412.000	Uniforms	2,940.00	.00	2,940.00	.00	1,184.00	76.47	1,679.53	43	.00
0413.000	Safety Shoes	11,000.00	.00	11,000.00	521.54	.00	3,380.51	7,619.49	31	3,685.07
0414.000	Automotive-Gas,Oil,Grease	45,000.00	.00	45,000.00	323.13	.00	17,489.54	27,510.46	39	17,754.23

Expense Budget Performance Report

Fiscal Year to Date 06/30/23

Exclude Rollup Account

Account	Account Description	Adopted Budget	Budget Amendments	Amended Budget	Current Month Transactions	YTD Encumbrances	YTD Transactions	Budget - YTD Transactions	% Used/ Rec'd	Prior Year YTD
Fund	GA - Water Board - Sewer									
	EXPENSE									
	<i>Contractual Expenses</i>									
0416.000	Consumable Printed Forms	1,000.00	.00	1,000.00	.00	.00	34.00	966.00	3	565.04
0417.000	Tool Allowance	300.00	.00	300.00	.00	.00	.00	300.00	0	.00
0419.001	Automotive Parts	30,000.00	.00	30,000.00	1,271.81	.00	5,114.26	24,885.74	17	15,715.18
0419.003	Cleaning/Sanitary	10,000.00	.00	10,000.00	180.49	1,510.46	1,612.48	6,877.06	31	4,225.75
0419.004	Agricultural/Botanical	50,000.00	.00	50,000.00	.00	.00	.00	50,000.00	0	.00
0419.005	Tools & Machine Parts	212,000.00	.00	212,000.00	2,597.21	39,981.69	55,943.74	116,074.57	45	68,318.16
0419.006	Construction/Repair	175,000.00	.00	175,000.00	19,062.28	21,668.39	63,618.81	89,712.80	49	50,105.19
0419.008	Signals/Communication	5,000.00	.00	5,000.00	.00	.00	1,936.60	3,063.40	39	1,494.55
0419.009	Misc Chemicals	25,000.00	.00	25,000.00	2,463.62	269.07	7,579.00	17,151.93	31	3,769.93
0419.010	Laboratory	27,000.00	.00	27,000.00	1,783.75	3,099.04	5,682.05	18,218.91	33	7,200.21
0419.012	Carbon	20,000.00	.00	20,000.00	.00	.00	.00	20,000.00	0	.00
0419.014	Ferric Chloride	700,000.00	.00	700,000.00	69,153.92	33,227.52	341,233.92	325,538.56	53	248,858.68
0419.016	Primary Polymer	120,000.00	.00	120,000.00	22,308.00	20,000.00	22,308.00	77,692.00	35	19,008.00
0419.017	Sludge Polymer	100,000.00	.00	100,000.00	34,452.00	20,000.00	34,452.00	45,548.00	54	29,400.04
0419.018	Pebble Lime	150,000.00	.00	150,000.00	6,004.25	30,000.00	49,872.95	70,127.05	53	64,059.81
0419.024	Hypochlorite Solution	9,000,000.00	.00	9,000,000.00	307,934.93	211,609.38	2,220,642.96	6,567,747.66	27	1,819,150.01
0419.599	Undesignated Supplies	57,300.00	.00	57,300.00	54.27	4,328.06	14,455.07	38,516.87	33	40,849.24
0421.001	Phone Extension Chgs	46,500.00	.00	46,500.00	1,595.56	.00	18,188.31	28,311.69	39	20,130.59
0421.002	Wireless Services	11,000.00	.00	11,000.00	880.57	.00	4,268.31	6,731.69	39	4,068.19
0422.000	Light & Power	670,000.00	.00	670,000.00	39,185.16	.00	305,657.01	364,342.99	46	313,178.79
0423.000	Water/Sewer	574,000.00	.00	574,000.00	.00	206.83	251,118.35	322,674.82	44	170,571.16
0424.000	Gas	25,000.00	.00	25,000.00	1,377.88	.00	14,919.33	10,080.67	60	13,697.94
0432.000	Property Insurance	260,000.00	.00	260,000.00	.00	.00	.00	260,000.00	0	.00
0433.000	Liability Insurance	85,000.00	.00	85,000.00	.00	.00	142,871.35	(57,871.35)	168	131,684.40
0440.003	Motor Vehicle Equipment	60,000.00	.00	60,000.00	4,099.17	.00	27,438.69	32,561.31	46	33,979.78
0440.599	Undesignated Leases	1,500.00	.00	1,500.00	68.68	.00	338.42	1,161.58	23	379.85
0441.000	Rental Of Real Property	75.00	.00	75.00	.00	.00	.00	75.00	0	41.00
0442.000	Rental Of Equipment	16,500.00	.00	16,500.00	107.90	498.60	10,109.42	5,891.98	64	2,815.93
0442.003	Motor Vehicle Equip Rentl	6,000.00	.00	6,000.00	.00	.00	1,375.50	4,624.50	23	2,377.28
0442.599	Undesignated Rentals	4,000.00	.00	4,000.00	1,053.21	570.08	1,429.92	2,000.00	50	702.90
0443.000	Repair Of Real Property	40,500.00	.00	40,500.00	87.50	4,307.06	(290.06)	36,483.00	10	28,403.75
0444.000	Repair Of Equipment	142,000.00	.00	142,000.00	10,781.55	31,945.19	79,506.90	30,547.91	78	34,423.85
0446.000	Computer Services	4,500.00	.00	4,500.00	336.02	.00	2,492.31	2,007.69	55	2,119.87
0446.007	Software	50,000.00	.00	50,000.00	.00	.00	.00	50,000.00	0	.00
0449.000	Billing & Collection	47,000.00	.00	47,000.00	4,393.01	.00	26,358.06	20,641.94	56	22,627.68
0449.002	Sludge Disposal	2,000,000.00	.00	2,000,000.00	134,765.90	150,649.32	874,242.04	975,108.64	51	671,827.51
0449.004	Special Security	.00	.00	.00	.00	.00	.00	.00	+++	195.00
0449.008	Hazardous Waste Displ.	500.00	.00	500.00	.00	.00	.00	500.00	0	.00

Expense Budget Performance Report

Fiscal Year to Date 06/30/23

Exclude Rollup Account

Account	Account Description	Adopted Budget	Budget Amendments	Amended Budget	Current Month Transactions	YTD Encumbrances	YTD Transactions	Budget - YTD Transactions	% Used/ Rec'd	Prior Year YTD
Fund	GA - Water Board - Sewer									
	EXPENSE									
	<i>Contractual Expenses</i>									
0449.500	Safety-Contractual	5,000.00	.00	5,000.00	.00	2,268.00	343.00	2,389.00	52	70.00
0449.599	Undesignated Services	225,441.00	(21,220.00)	204,221.00	20,211.35	21,717.61	107,336.46	75,166.93	63	92,066.15
0451.000	Consultants	80,000.00	.00	80,000.00	23,049.08	9,535.00	60,320.57	10,144.43	87	56,802.60
0454.000	Attorney Services	40,000.00	.00	40,000.00	.00	.00	1,758.75	38,241.25	4	8,803.74
0461.000	Postage	30,000.00	.00	30,000.00	1,033.64	.00	20,355.21	9,644.79	68	5,725.00
0463.000	Travel & Training Expense	13,500.00	4,220.00	17,720.00	851.82	4,220.00	956.82	12,543.18	29	1,553.34
0463.500	Safety Training	1,000.00	.00	1,000.00	.00	.00	.00	1,000.00	0	.00
0465.000	Laundry & Cleaning	7,500.00	.00	7,500.00	855.30	2,321.50	3,971.30	1,207.20	84	4,035.10
0466.000	Books,Mags. & Memberships	500.00	.00	500.00	.00	.00	2,010.00	(1,510.00)	402	1,890.00
0467.000	Advertising	500.00	.00	500.00	.00	.00	110.84	389.16	22	182.61
0471.000	Recruitment Expenditures	800.00	.00	800.00	.00	.00	358.00	442.00	45	501.11
	<i>Contractual Expenses Totals</i>	\$15,192,906.00	(\$17,000.00)	\$15,175,906.00	\$712,914.20	\$616,049.25	\$4,804,357.13	\$9,755,499.62	36%	\$4,019,014.21
	<i>Employee Benefits</i>									
0801.000	NYS E.R.S. Retirement	427,310.00	.00	427,310.00	.00	.00	89,074.67	338,235.33	21	120,942.00
0803.000	Building Trades Benefits	.00	125,000.00	125,000.00	29,949.35	.00	134,519.16	(9,519.16)	108	.00
0820.000	Worker's Compensation	240,000.00	.00	240,000.00	782.74	.00	3,988.70	236,011.30	2	3,988.70
0830.000	Life Insurance	13,237.00	.00	13,237.00	.00	.00	3,607.06	9,629.94	27	6,560.53
0840.000	Unemployment Ins. NYS	5,000.00	.00	5,000.00	.00	.00	.00	5,000.00	0	.00
0860.000	Medical Insurance	2,347,747.00	.00	2,347,747.00	190,362.68	.00	1,161,649.50	1,186,097.50	49	1,133,366.31
0861.000	Dental Insurance	80,300.00	.00	80,300.00	.00	.00	.00	80,300.00	0	.00
0863.000	Vision Care Insurance	6,204.00	.00	6,204.00	.00	.00	447.89	5,756.11	7	2,780.17
0865.000	Chiropractic Insurance	930.00	.00	930.00	.00	.00	350.00	580.00	38	.00
	<i>Employee Benefits Totals</i>	\$3,120,728.00	\$125,000.00	\$3,245,728.00	\$221,094.77	\$0.00	\$1,393,636.98	\$1,852,091.02	43%	\$1,267,637.71
	<i>Employee Benefit - FICA</i>									
0810.000	Social Security	261,077.00	.00	261,077.00	10,521.93	.00	122,857.09	138,219.91	47	132,251.45
	<i>Employee Benefit - FICA Totals</i>	\$261,077.00	\$0.00	\$261,077.00	\$10,521.93	\$0.00	\$122,857.09	\$138,219.91	47%	\$132,251.45
	EXPENSE TOTALS	\$22,642,243.00	\$0.00	\$22,642,243.00	\$1,094,582.46	\$619,821.19	\$8,044,992.88	\$13,977,428.93	38%	\$7,190,048.33
Fund	GA - Water Board - Sewer Totals	\$22,642,243.00	\$0.00	\$22,642,243.00	\$1,094,582.46	\$619,821.19	\$8,044,992.88	\$13,977,428.93		\$7,190,048.33
	Grand Totals	\$22,642,243.00	\$0.00	\$22,642,243.00	\$1,094,582.46	\$619,821.19	\$8,044,992.88	\$13,977,428.93		\$7,190,048.33

Expense Budget Performance Report

Fiscal Year to Date 06/30/23

Exclude Rollup Account

Account	Account Description	Adopted Budget	Budget Amendments	Amended Budget	Current Month Transactions	YTD Encumbrances	YTD Transactions	Budget - YTD Transactions	% Used/ Rec'd	Prior Year YTD
Fund	FA - Water Board - Water									
	EXPENSE									
	<i>Personnel - Position Control</i>									
0110.000	Biweekly Payroll	2,502,809.00	.00	2,502,809.00	96,105.85	.00	1,141,493.10	1,361,315.90	46	986,984.25
0153.000	Stipend	4,925.00	.00	4,925.00	230.71	.00	2,768.52	2,156.48	56	2,941.56
	<i>Personnel - Position Control Totals</i>	\$2,507,734.00	\$0.00	\$2,507,734.00	\$96,336.56	\$0.00	\$1,144,261.62	\$1,363,472.38	46%	\$989,925.81
	<i>Personnel Services</i>									
0111.000	Biweekly Comp Differential	.00	.00	.00	.00	.00	.00	.00	+++	1,782.63
0121.000	Weekly Comp Differential	.00	.00	.00	5.20	.00	96.50	(96.50)	+++	31.81
0125.000	Insurance OPT Out	61,479.00	.00	61,479.00	3,937.40	.00	43,567.12	17,911.88	71	31,914.99
0130.000	Temporary Payroll	106,000.00	(597.00)	105,403.00	5,762.50	.00	62,431.27	42,971.73	59	59,040.30
0140.000	Overtime	94,150.00	.00	94,150.00	4,749.38	.00	51,369.54	42,780.46	55	43,364.03
0150.000	Acting Next-In-Rank Pay	.00	.00	.00	.00	.00	.00	.00	+++	4,834.11
0151.A	Sunday Contractual Pay	16,000.00	.00	16,000.00	.00	.00	.00	16,000.00	0	5,443.90
0151.000	Sunday Premium Pay	.00	.00	.00	650.58	.00	7,632.86	(7,632.86)	+++	2,548.96
0152.000	Shift Premium Pay	.00	.00	.00	.00	.00	.00	.00	+++	120.11
0155.A	Holiday Contractual Pay	8,500.00	.00	8,500.00	975.87	.00	3,875.13	4,624.87	46	2,350.84
0155.000	Holiday Pay	.00	.00	.00	10,710.54	.00	47,432.52	(47,432.52)	+++	28,599.29
0170.000	Overtime Meals	2,715.00	.00	2,715.00	101.00	.00	1,092.00	1,623.00	40	1,118.25
0180.000	Comp. Time Earned	.00	.00	.00	260.60	.00	3,992.54	(3,992.54)	+++	1,247.26
0181.000	Vacation Pay	.00	.00	.00	480.26	.00	18,626.92	(18,626.92)	+++	54,045.89
0182.000	Personal Time	.00	.00	.00	350.57	.00	1,267.38	(1,267.38)	+++	1,591.40
0183.000	Compensatory Time Off	.00	.00	.00	1,927.91	.00	67,440.88	(67,440.88)	+++	17,059.36
0184.000	Funeral Leave	.00	.00	.00	.00	.00	2,349.55	(2,349.55)	+++	1,748.15
0186.000	Call-In Time	9,350.00	.00	9,350.00	540.90	.00	4,975.88	4,374.12	53	3,606.09
0189.000	Sick Leave	.00	.00	.00	2,130.62	.00	36,335.82	(36,335.82)	+++	49,193.26
0190.000	Vacation Cash Conversion	12,337.00	.00	12,337.00	.00	.00	.00	12,337.00	0	7,402.21
	<i>Personnel Services Totals</i>	\$310,531.00	(\$597.00)	\$309,934.00	\$32,583.33	\$0.00	\$352,485.91	(\$42,551.91)	114%	\$317,042.84
	<i>Capital Outlays</i>									
0210.000	Furniture & Furnishings	4,500.00	.00	4,500.00	.00	1,792.00	2,082.39	625.61	86	.00
0230.000	Motor Vehicle Equipment	5,000.00	.00	5,000.00	.00	.00	.00	5,000.00	0	.00
0250.000	Other Equipment	30,000.00	(10,000.00)	20,000.00	2,335.50	.00	5,245.62	14,754.38	26	8,890.03
0250.007	Computer Equipment	25,000.00	35,000.00	60,000.00	1,776.55	28,731.80	7,635.51	23,632.69	61	12,204.78
0250.500	Safety Equipment	2,000.00	.00	2,000.00	.00	20.08	1,381.81	598.11	70	.00
	<i>Capital Outlays Totals</i>	\$66,500.00	\$25,000.00	\$91,500.00	\$4,112.05	\$30,543.88	\$16,345.33	\$44,610.79	51%	\$21,094.81
	<i>Contractual Expenses</i>									
0411.000	Office Supplies	10,200.00	.00	10,200.00	1,333.18	2,748.20	6,210.42	1,241.38	88	2,031.27
0412.000	Uniforms	1,800.00	.00	1,800.00	.00	.00	.00	1,800.00	0	.00
0413.000	Safety Shoes	7,800.00	.00	7,800.00	562.94	.00	2,950.57	4,849.43	38	1,264.89
0414.000	Automotive-Gas,Oil,Grease	60,000.00	.00	60,000.00	16.58	18.01	16,463.76	43,518.23	27	33,395.30
0415.000	Fuel Oil	30,000.00	.00	30,000.00	.00	.00	.00	30,000.00	0	.00

Expense Budget Performance Report

Fiscal Year to Date 06/30/23

Exclude Rollup Account

Account	Account Description	Adopted Budget	Budget Amendments	Amended Budget	Current Month Transactions	YTD Encumbrances	YTD Transactions	Budget - YTD Transactions	% Used/ Rec'd	Prior Year YTD
Fund	FA - Water Board - Water									
	EXPENSE									
	<i>Contractual Expenses</i>									
0416.000	Consumable Printed Forms	1,000.00	.00	1,000.00	.00	872.35	906.35	(778.70)	178	565.04
0417.000	Tool Allowance	150.00	.00	150.00	.00	.00	35.63	114.37	24	.00
0419.001	Automotive Parts	25,000.00	.00	25,000.00	1,271.81	84.00	8,910.49	16,005.51	36	14,003.37
0419.003	Cleaning/Sanitary	5,000.00	.00	5,000.00	105.60	1,275.89	1,120.71	2,603.40	48	1,914.40
0419.005	Tools & Machine Parts	92,000.00	20,000.00	112,000.00	13,154.49	30,806.50	56,422.48	24,771.02	78	45,598.34
0419.006	Construction/Repair	200,000.00	.00	200,000.00	33,036.07	24,743.11	65,614.59	109,642.30	45	68,431.08
0419.009	Misc Chemicals	633,000.00	.00	633,000.00	49,549.47	61,529.70	320,682.99	250,787.31	60	223,006.19
0419.010	Laboratory	33,000.00	5,000.00	38,000.00	3,772.40	4,385.62	16,936.27	16,678.11	56	15,457.53
0419.599	Undesignated Supplies	6,250.00	.00	6,250.00	.00	.00	1,676.97	4,573.03	27	2,738.66
0421.001	Phone Extension Chgs	25,000.00	.00	25,000.00	.00	.00	5,567.70	19,432.30	22	9,221.42
0421.002	Wireless Services	15,000.00	.00	15,000.00	1,261.29	.00	8,394.39	6,605.61	56	6,220.38
0422.000	Light & Power	600,000.00	.00	600,000.00	37,613.72	.00	254,343.19	345,656.81	42	248,649.33
0423.000	Water/Sewer	698,000.00	.00	698,000.00	.00	.00	191,331.46	506,668.54	27	155,477.04
0424.000	Gas	25,000.00	.00	25,000.00	5,968.07	.00	31,012.02	(6,012.02)	124	14,181.25
0432.000	Property Insurance	180,000.00	.00	180,000.00	.00	.00	.00	180,000.00	0	.00
0433.000	Liability Insurance	60,000.00	.00	60,000.00	.00	.00	98,041.03	(38,041.03)	163	101,940.85
0440.003	Motor Vehicle Equipment	84,000.00	.00	84,000.00	4,099.18	.00	27,438.75	56,561.25	33	33,979.80
0440.599	Undesignated Leases	1,500.00	.00	1,500.00	110.56	.00	540.10	959.90	36	625.95
0442.000	Rental Of Equipment	4,500.00	.00	4,500.00	10.00	.00	815.01	3,684.99	18	1,791.43
0442.003	Motor Vehicle Equip Rentl	5,000.00	.00	5,000.00	.00	.00	1,834.00	3,166.00	37	2,377.28
0442.599	Undesignated Rentals	4,000.00	.00	4,000.00	174.92	1,446.88	1,003.12	1,550.00	61	1,254.77
0444.000	Repair Of Equipment	33,200.00	.00	33,200.00	603.55	71.98	3,108.84	30,019.18	10	627.04
0446.000	Computer Services	4,500.00	.00	4,500.00	336.02	.00	2,140.33	2,359.67	48	2,119.83
0446.008	Software Maint/Licenses	335,000.00	(35,000.00)	300,000.00	40,434.01	38,109.91	114,929.40	146,960.69	51	125,250.90
0449.000	Billing & Collection	47,000.00	.00	47,000.00	4,393.02	.00	26,358.12	20,641.88	56	22,627.68
0449.001	Sludge Removal	120,000.00	.00	120,000.00	.00	.00	3,931.31	116,068.69	3	.00
0449.003	Waste Disposal	.00	.00	.00	662.36	1,207.98	2,492.02	(3,700.00)	+++	.00
0449.008	Hazardous Waste Displ.	.00	.00	.00	.00	.00	408.63	(408.63)	+++	.00
0449.500	Safety-Contractual	5,000.00	.00	5,000.00	.00	.00	2,990.00	2,010.00	60	70.00
0449.599	Undesignated Services	837,500.00	(18,730.00)	818,770.00	4,243.58	.00	756,953.22	61,816.78	92	749,904.79
0451.000	Consultants	63,000.00	.00	63,000.00	23,671.54	2,205.72	55,462.29	5,331.99	92	41,914.06
0454.000	Attorney Services	35,000.00	.00	35,000.00	.00	.00	1,758.75	33,241.25	5	8,228.73
0461.000	Postage	30,000.00	.00	30,000.00	1,033.65	.00	20,550.05	9,449.95	69	5,724.94
0463.000	Travel & Training Expense	19,500.00	4,327.00	23,827.00	7.82	1,797.00	6,627.03	15,402.97	35	18,014.55
0465.000	Laundry & Cleaning	1,500.00	.00	1,500.00	.00	700.00	.00	800.00	47	601.04
0466.000	Books,Mags. & Memberships	500.00	.00	500.00	.00	.00	.00	500.00	0	287.00
0467.000	Advertising	500.00	.00	500.00	.00	.00	110.85	389.15	22	182.62
0471.000	Recruitment Expenditures	800.00	.00	800.00	314.00	.00	974.00	(174.00)	122	850.12

Expense Budget Performance Report

Fiscal Year to Date 06/30/23

Exclude Rollup Account

Account	Account Description	Adopted Budget	Budget Amendments	Amended Budget	Current Month Transactions	YTD Encumbrances	YTD Transactions	Budget - YTD Transactions	% Used/ Rec'd	Prior Year YTD
Fund	FA - Water Board - Water									
	EXPENSE									
	<i>Contractual Expenses Totals</i>	\$4,340,200.00	(\$24,403.00)	\$4,315,797.00	\$227,739.83	\$172,002.85	\$2,117,046.84	\$2,026,747.31	53%	\$1,960,528.87
	<i>Employee Benefits</i>									
0801.000	NYS E.R.S. Retirement	213,655.00	.00	213,655.00	.00	.00	44,537.33	169,117.67	21	60,471.00
0820.000	Worker's Compensation	225,000.00	.00	225,000.00	521.82	.00	2,802.04	222,197.96	1	(10,456.68)
0830.000	Life Insurance	10,515.00	.00	10,515.00	.00	.00	2,749.69	7,765.31	26	4,878.90
0840.000	Unemployment Ins. NYS	5,000.00	.00	5,000.00	.00	.00	.00	5,000.00	0	.00
0860.000	Medical Insurance	1,549,847.00	.00	1,549,847.00	125,803.03	.00	746,774.85	803,072.15	48	737,730.07
0861.000	Dental Insurance	54,350.00	.00	54,350.00	.00	.00	.00	54,350.00	0	.00
0863.000	Vision Care Insurance	4,125.00	.00	4,125.00	.00	.00	313.65	3,811.35	8	1,865.72
0865.000	Chiropractic Insurance	2,000.00	.00	2,000.00	.00	.00	745.00	1,255.00	37	740.00
	<i>Employee Benefits Totals</i>	\$2,064,492.00	\$0.00	\$2,064,492.00	\$126,324.85	\$0.00	\$797,922.56	\$1,266,569.44	39%	\$795,229.01
	<i>Employee Benefit - FICA</i>									
0810.000	Social Security	220,451.00	.00	220,451.00	9,620.19	.00	111,968.55	108,482.45	51	94,032.49
	<i>Employee Benefit - FICA Totals</i>	\$220,451.00	\$0.00	\$220,451.00	\$9,620.19	\$0.00	\$111,968.55	\$108,482.45	51%	\$94,032.49
	EXPENSE TOTALS	\$9,509,908.00	\$0.00	\$9,509,908.00	\$496,716.81	\$202,546.73	\$4,540,030.81	\$4,767,330.46	50%	\$4,177,853.83
Fund	FA - Water Board - Water Totals	\$9,509,908.00	\$0.00	\$9,509,908.00	\$496,716.81	\$202,546.73	\$4,540,030.81	\$4,767,330.46		\$4,177,853.83
	Grand Totals	\$9,509,908.00	\$0.00	\$9,509,908.00	\$496,716.81	\$202,546.73	\$4,540,030.81	\$4,767,330.46		\$4,177,853.83

Expense Budget Performance Report

Fiscal Year to Date 06/30/23
Exclude Rollup Account

Account	Account Description	Adopted Budget	Budget Amendments	Amended Budget	Current Month Transactions	YTD Encumbrances	YTD Transactions	Budget - YTD Transactions	% Used/ Rec'd	Prior Year YTD
Fund FGB - Water Board										
EXPENSE										
<i>Contractual Expenses</i>										
0419.599	Undesignated Supplies	4,700.00	.00	4,700.00	145.17	.00	2,860.98	1,839.02	61	1,828.22
0451.000	Consultants	60,000.00	.00	60,000.00	10,887.10	.00	58,205.00	1,795.00	97	4,916.25
0454.000	Attorney Services	40,000.00	.00	40,000.00	.00	.00	7,899.24	32,100.76	20	2,309.00
0459.000	Auditors	28,000.00	.00	28,000.00	.00	.00	26,500.00	1,500.00	95	26,000.00
0461.000	Postage	250.00	.00	250.00	.00	.00	.00	250.00	0	.00
0466.000	Books,Mags. & Memberships	7,050.00	.00	7,050.00	4,380.00	.00	5,514.54	1,535.46	78	4,253.00
<i>Contractual Expenses Totals</i>		\$140,000.00	\$0.00	\$140,000.00	\$15,412.27	\$0.00	\$100,979.76	\$39,020.24	72%	\$39,306.47
EXPENSE TOTALS		\$140,000.00	\$0.00	\$140,000.00	\$15,412.27	\$0.00	\$100,979.76	\$39,020.24	72%	\$39,306.47
Fund FGB - Water Board Totals		\$140,000.00	\$0.00	\$140,000.00	\$15,412.27	\$0.00	\$100,979.76	\$39,020.24		\$39,306.47
Grand Totals		\$140,000.00	\$0.00	\$140,000.00	\$15,412.27	\$0.00	\$100,979.76	\$39,020.24		\$39,306.47

BANK ON BUFFALO & KEYBANK

BANK BALANCES-FY 2023

MONTH	ACCT #	Account Name	STARTING VALUE	DEPOSITS	WITHDRAWALS	TRANSFERS	NET CHANGE IN VALUE	MONTH ENDING VALUE	PY MONTH ENDING VALUE
JANUARY	X4873	Board Expense Account	91,624.82					91,624.82	91,624.82
	X4881	O&M Reserve	5,198,449.50	287.45	(287.45)			5,198,449.50	5,198,449.50
	X4899	Depository-BOB	4,681,372.45	4,099,830.73		(3,644,910.34)	454,920.39	5,136,292.84	8,318,028.71
	X9220	Depository-Keybank	558,495.95	166,599.72				725,095.67	626,585.69
	X4906	Payroll	161,396.74		(740,673.19)	733,933.19	(6,760.00)	154,636.74	109,421.19
	X4914	Benefits	6,735.75		(10,029.00)	15,887.25	5,858.25	12,594.00	5,954.75
	X0643	Operating	1,281,584.64		(9,325,817.09)	2,895,081.90	(430,735.19)	850,849.45	837,462.98
	X4445	Grants	1,709,955.74		(1,700,015.00)	28.00	(1,699,987.00)	9,968.74	298,917.78
		Totals		13,689,615.59	4,266,717.90	(5,776,821.73)		(1,510,103.83)	12,179,511.76

MONTH	ACCT #	Account Name	STARTING VALUE	DEPOSITS	WITHDRAWALS	TRANSFERS	NET CHANGE IN VALUE	MONTH ENDING VALUE	PY MONTH ENDING VALUE
FEBRUARY	X4873	Board Expense Account	91,624.82					91,624.82	91,624.82
	X4881	O&M Reserve	5,198,449.50					5,198,449.50	5,198,449.50
	X4899	Depository	5,136,292.84	2,206,728.13		(2,217,773.53)	(11,045.40)	5,125,247.44	4,741,214.88
	X9220	Depository-Keybank	725,095.67	122,279.91				847,375.58	726,516.00
	X4906	Payroll	154,636.74		(560,735.75)	563,294.07	2,558.32	157,195.06	112,953.28
	X4914	Benefits	12,594.00		(8,850.25)	10,028.00	1,177.75	13,771.75	13,610.75
	X0643	Operating	850,849.45		(1,843,078.82)	1,644,451.46	(198,627.36)	652,222.09	831,085.27
	X4445	Grants	9,968.74					9,968.74	588,812.22
		Totals		12,179,511.76	2,329,008.04	(2,412,664.82)	0.00	(83,656.78)	12,095,854.98

MONTH	ACCT #	Account Name	STARTING VALUE	DEPOSITS	WITHDRAWALS	TRANSFERS	NET CHANGE IN VALUE	MONTH ENDING VALUE	PY MONTH ENDING VALUE
MARCH	X4873	Board Expense Account	91,624.82					91,624.82	91,624.82
	X4881	O&M Reserve	5,198,449.50					5,198,449.50	5,198,449.50
	X4899	Depository	5,125,247.44	2,095,085.04		(3,474,042.46)	(1,378,957.42)	3,746,290.02	4,089,034.55
	X9220	Depository-Keybank	847,375.58	172,169.66				1,019,545.24	878,782.30
	X4906	Payroll	157,195.06		(561,461.37)	545,426.41	(16,034.96)	141,160.10	110,393.08
	X4914	Benefits	13,771.75		(9,833.00)	10,669.00	836.00	14,607.75	6,901.75
	X0643	Operating	652,222.09		(2,304,076.27)	2,917,947.05	613,870.78	1,266,992.87	810,472.87
	X4445	Grants	9,968.74					9,968.74	1,800,665.70
		Totals		12,095,854.98	2,267,254.70	(2,875,370.64)		(608,115.94)	11,487,739.04

MONTH	ACCT #	Account Name	STARTING VALUE	DEPOSITS	WITHDRAWALS	TRANSFERS	NET CHANGE IN VALUE	MONTH ENDING VALUE	PY MONTH ENDING VALUE
APRIL	X4873	Board Expense Account	91,624.82					91,624.82	91,624.82
	X4881	O&M Reserve	5,198,449.50					5,198,449.50	5,198,449.50
	X4899	Depository	3,746,290.02	3,458,012.13		(2,136,323.10)	1,321,689.03	5,067,979.05	6,406,191.73
	X9220	Depository-Keybank	1,019,545.24	207,953.90		(1,000,000.00)	(792,046.10)	227,499.14	207,776.99
	X4906	Payroll	141,160.10		(543,644.09)	553,011.55	9,367.46	150,527.56	99,991.56
	X4914	Benefits	14,607.75		(10,622.00)		(10,622.00)	3,985.75	11,127.75
	X0643	Operating	1,266,992.87		(2,747,375.04)	2,583,311.55	(164,063.49)	1,102,029.38	832,948.86
	X4445	Grants	9,968.74					9,968.74	650.70
		Totals		11,487,739.04	3,665,966.03	(3,301,641.13)		364,324.90	11,852,063.94

MONTH	ACCT #	Account Name	STARTING VALUE	DEPOSITS	WITHDRAWALS	TRANSFERS	NET CHANGE IN VALUE	MONTH ENDING VALUE	PY MONTH ENDING VALUE
MAY	X4873	Board Expense Account	91,624.82					91,624.82	91,624.82
	X4881	O&M Reserve	5,198,449.50					5,198,449.50	5,198,449.50
	X4899	Depository	5,067,979.05	2,524,176.35		(2,285,879.93)	238,296.42	5,306,275.47	7,354,626.58
	X9220	Depository-Keybank	227,499.14	176,934.34				404,433.48	356,542.52
	X4906	Payroll	150,527.56		(565,362.81)	835,486.32	270,123.51	420,651.07	100,279.57
	X4914	Benefits	3,985.75		(7,961.00)	26,840.00	18,879.00	22,864.75	17,364.75
	X0643	Operating	1,102,029.38		(1,477,868.95)	1,423,553.61	(54,315.34)	1,047,714.04	822,155.65
	X4445	Grants	9,968.74					9,968.74	14,900.70
		Totals		11,852,063.94	2,701,110.69	(2,051,192.76)	(0.00)	649,917.93	12,501,981.87

MONTH	ACCT #	Account Name	STARTING VALUE	DEPOSITS	WITHDRAWALS	TRANSFERS	NET CHANGE IN VALUE	MONTH ENDING VALUE	PY MONTH ENDING VALUE
JUNE	X4873	Board Expense Account	91,624.82					91,624.82	91,624.82
	X4881	O&M Reserve	5,198,449.50					5,198,449.50	5,198,449.50
	X4899	Depository	5,306,275.47	2,608,604.14		(2,833,207.06)	(224,602.92)	5,081,672.55	5,918,574.05
	X9220	Depository-Keybank	404,433.48	173,476.50				577,909.98	514,360.64
	X4906	Payroll	420,651.07		(839,328.71)	570,128.90	(269,199.81)	151,451.26	173,821.57
	X4914	Benefits	22,864.75		(10,125.12)		(10,125.12)	12,739.63	14,989.75
	X0643	Operating	1,047,714.04		(2,673,484.52)	2,263,078.16	(410,406.36)	637,307.68	730,667.22
	X4445	Grants	9,968.74	50,000.00				59,968.74	302.65
		Totals		12,501,981.87	2,832,080.64	(3,522,938.35)		(690,857.71)	11,811,124.16

Wilmington Trust

BANK BALANCES-FY 2022

MONTH	ACCT #	Account Name	STARTING VALUE	DEPOSITS	Payments	Change in Market Value	NET CHANGE IN VALUE	MONTH ENDING VALUE
JANUARY	X3250	Debt Service	7,736,729.24	515,620.29	(586,441.40)	26,638.40	(44,182.71)	7,692,546.53
	X3251	Construction	877.47			2.76	2.76	880.23
	X3252	Debt Service Reserve	7,123,949.38			26,713.75	26,713.75	7,150,663.13
	X9279	Expense Account	16,079.32					16,079.32
	X4118-0	2022A DSF	916,276.56	101,621.42	(914,592.70)	1,770.90	(811,200.38)	105,076.18
	X4118-1	2022A Issuance	9,619.92					9,619.92
	X2722	Capital Fund Construction	156,507.22	10,506,458.18	(704,638.57)	21,048.29	9,822,867.90	9,979,375.12
		Totals	15,960,039.11	11,123,699.89	(2,205,672.67)	76,174.10	8,994,201.32	24,954,240.43

MONTH	ACCT #	Account Name	STARTING VALUE	DEPOSITS	Payments	Change in Market Value	NET CHANGE IN VALUE	MONTH ENDING VALUE
FEBRUARY	X3250	Debt Service	7,692,546.53	515,620.29		26,287.33	541,907.62	8,234,454.15
	X3251	Construction	882.92			2.69	2.69	882.92
	X3252	Debt Service Reserve	7,150,663.13			24,705.02	24,705.02	7,175,368.15
	X9279	Expense Account	16,079.32					16,079.32
	X4118-0	2022A DSF	105,076.18			320.74	320.74	105,396.92
	X4118-1	2022A Issuance	9,619.92					9,619.92
	X2722	Capital Fund Construction	9,979,375.12		(1,488,476.76)	28,515.38	(1,459,961.38)	8,519,413.74
		Totals	24,954,240.43	515,620.29	(1,488,476.76)	79,831.16	(893,025.31)	24,061,215.12

MONTH	ACCT #	Account Name	STARTING VALUE	DEPOSITS	Payments	Change in Market Value	NET CHANGE IN VALUE	MONTH ENDING VALUE
MARCH	X3250	Debt Service	8,234,454.15	515,620.29		32,411.31	548,031.60	8,782,485.75
	X3251	Construction	882.92			3.07	3.07	885.99
	X3252	Debt Service Reserve	7,175,368.15			27,462.69	27,462.69	7,202,830.84
	X9279	Expense Account	16,079.32					16,079.32
	X4118-0	2022A DSF	105,396.92	80,735.84		647.97	81,383.81	186,780.73
	X4118-1	2022A Issuance	9,619.92					9,619.92
	X2722	Capital Fund Construction	8,519,413.74		(327,236.85)	28,754.58	(298,482.27)	8,220,931.47
		Totals	24,061,215.12	596,356.13	(327,236.85)	89,279.62	358,398.90	24,419,614.02

MONTH	ACCT #	Account Name	STARTING VALUE	DEPOSITS	Payments	Change in Market Value	NET CHANGE IN VALUE	MONTH ENDING VALUE
APRIL	X3250	Debt Service	8,782,485.75	1,035,740.58	(4,500.00)	33,905.64	1,065,146.22	9,847,631.97
	X3251	Construction	885.99	3.12			3.12	891.11
	X3252	Debt Service Reserve	7,202,830.84			26,739.73	26,739.73	7,229,570.57
	X9279	Expense Account	16,079.32					16,079.32
	X4118-0	2022A DSF	186,780.73	182,357.26		1,000.43	183,357.69	370,138.42
	X4118-1	2022A Issuance	9,619.92					9,619.92
	X2722	Capital Fund Construction	8,220,931.47		(338,712.21)	28,414.34	(310,297.87)	7,910,633.60
		Totals	24,419,614.02	1,218,100.96	(343,212.21)	90,060.14	964,948.89	25,384,562.91

MONTH	ACCT #	Account Name	STARTING VALUE	DEPOSITS	Payments	Change in Market Value	NET CHANGE IN VALUE	MONTH ENDING VALUE
MAY	X3250	Debt Service	9,847,631.97		(261,520.44)	37,039.26	(224,481.18)	9,623,150.79
	X3251	Construction	891.11			3.37	3.37	892.48
	X3252	Debt Service Reserve	7,229,570.57			27,803.48	27,803.48	7,257,374.05
	X9279	Expense Account	16,079.32					16,079.32
	X4118-0	2022A DSF	370,138.42			1,403.73	1,403.73	371,542.15
	X4118-1	2022A Issuance	9,619.92					9,619.92
	X2722	Capital Fund Construction	7,910,633.60		(1,381,847.15)	26,763.78	(1,355,083.37)	6,555,550.23
		Totals	25,384,562.91		(1,643,367.59)	93,013.62	(1,550,353.97)	23,834,208.94

MONTH	ACCT #	Account Name	STARTING VALUE	DEPOSITS	Payments	Change in Market Value	NET CHANGE IN VALUE	MONTH ENDING VALUE
JUNE	X3250	Debt Service	9,623,150.79	515,765.19		38,064.08	553,829.27	10,176,980.06
	X3251	Construction	892.48			3.36	3.36	895.84
	X3252	Debt Service Reserve	7,257,374.05			27,018.96	27,018.96	7,284,393.01
	X9279	Expense Account	16,079.32					16,079.32
	X4118-0	2022A DSF	371,542.15	91,178.63		1,731.13	92,909.76	464,451.91
	X4118-1	2022A Issuance	9,619.92					9,619.92
	X2722	Capital Fund Construction	6,555,550.23		(517,265.90)	24,425.99	(492,839.91)	6,062,710.32
		Totals	23,834,208.94	606,943.82	(517,265.90)	91,243.52	180,921.44	24,015,130.38

WEALTH ADVISORS- 2643

Treasury Reconciliation FY 2023

MONTH	STARTING VALUE	DEPOSITS/WITHDRAWALS	TRANSFERS	CHANGE IN VALUE	MONTH ENDING VALUE	PY MONTH ENDING VALUE
JAN	15,227,145.81	(25,383.34)	-	53,171.98	15,254,934.45	15,436,824.17
FEB	15,254,934.45	(26,552.96)	-	(7,432.01)	15,220,949.48	15,433,352.18
MAR	15,220,949.48	(46,834.27)	-	129,939.40	15,304,054.61	15,430,135.70
APR	15,304,054.61	(51,111.64)	-	18,135.81	15,271,078.78	15,424,553.53
MAY	15,271,078.78	(27,208.21)	-	32,674.76	15,276,545.33	15,421,170.00
JUN	15,276,545.33	-	-	-	15,276,545.33	15,397,568.19
JUL	15,276,545.33	-	-	-	15,276,545.33	15,398,795.06
AUG	15,276,545.33	-	-	-	15,276,545.33	15,322,422.45
SEP	15,276,545.33	-	-	-	15,276,545.33	15,233,218.27
OCT	15,276,545.33	-	-	-	15,276,545.33	15,174,647.51
NOV	15,276,545.33	-	-	-	15,276,545.33	15,229,644.66
DEC	15,276,545.33	-	-	-	15,276,545.33	15,227,145.81
FY TOTAL		(177,090.42)	-	226,489.94		

NFWB Live
Budget Amendments Report

From Date: 6/1/2023 - To Date: 6/30/2023

Account	G/L Date	Journal	Description	Increases	Decreases	Amended Balance
Fund: FA Water Board - Water						
Department: 1990 Contingency Account						
Sub Department: 0000 .						
0449.599 - Undesignated Services				Amended Balance as of: 6/1/2023		\$40,000.00
	06/05/2023	2023-00001888	TRANSFER FOR ADDITIONAL FUNDS IN TRAVEL & TRAINING	\$0.00	\$500.00	\$29,500.00
				\$0.00	\$500.00	\$39,500.00
Sub Department: 0000 . Totals:				\$0.00	\$500.00	
Department: 1990 Contingency Account Totals:				\$0.00	\$500.00	
Department: 8330 Purification						
Sub Department: 0100 Operations						
0463.000 - Travel & Training Expense				Amended Balance as of: 6/1/2023		\$4,000.00
	06/05/2023	2023-00001888	TRANSFER FOR ADDITIONAL FUNDS IN TRAVEL & TRAINING	\$500.00	\$0.00	\$4,500.00
				\$500.00	\$0.00	\$4,500.00
Sub Department: 0100 Operations Totals:				\$500.00	\$0.00	
Department: 8330 Purification Totals:				\$500.00	\$0.00	
Fund Totals: Water Board - Water				\$500.00	\$500.00	
Fund: GA Water Board - Sewer						
Department: 1990 Contingency Account						
Sub Department: 0000 .						
0449.599 - Undesignated Services				Amended Balance as of: 6/1/2023		(\$19,220.00)
	06/08/2023	2023-00001932	TRANSFER FOR ADDITIONAL SAFETY EQUIPMENT	\$0.00	\$2,000.00	\$14,221.00
				\$0.00	\$2,000.00	(\$21,220.00)
Sub Department: 0000 . Totals:				\$0.00	\$2,000.00	
Department: 1990 Contingency Account Totals:				\$0.00	\$2,000.00	

Budget Amendments Report

From Date: 6/1/2023 - To Date: 6/30/2023

Account	G/L Date	Journal	Description	Increases	Decreases	Amended Balance
Fund: GA Water Board - Sewer						
Department: 8110 W.W.T.P.						
Sub Department: 0001 Administration						
0250.500 - Safety Equipment						
				Amended Balance as of: 6/1/2023		\$10,000.00
	06/08/2023	2023-00001932	TRANSFER FOR ADDITIONAL SAFETY EQUIPMENT	\$2,000.00	\$0.00	\$12,000.00
				\$2,000.00	\$0.00	\$12,000.00
Sub Department: 0001 Administration Totals:				\$2,000.00	\$0.00	
Department: 8110 W.W.T.P. Totals:				\$2,000.00	\$0.00	
Fund Totals: Water Board - Sewer				\$2,000.00	\$2,000.00	
Grand Totals:				\$2,500.00	\$2,500.00	

BANK PAID DATE	Req #	Invoice Date	PP # of #	VENDOR	Project Name	DESCRIPTION	INVOICE	AMOUNT	CIP FUNDING ACCOUNT
6/27/2023	2023-097	3/27/2023	N/A	Door Specialties, Inc	WTP Upgrades	Door Replacements	SI011077/SI011079	\$ 8,728.00	WTP-6
6/27/2023	2023-098	5/1/2023	N/A	Advanced Network Services of WNY, Inc.	IT Server Room	Fiber instalation	215102	\$ 7,597.00	C-1
6/27/2023	2023-099	4/24/2023	N/A	Micro Solutions	WTP Security Upgrades	Cameras	18-6376	\$ 14,916.87	WTP-2.2
6/27/2023	2023-100	4/26/2023	N/A	LMT Technology Solutions	IT Upgrades	Server to replace backup domain controller	612057	\$ 14,634.50	C-1
6/27/2023	2023-103	5/8/2023	N/A	KS State Bank	Fleet Replacement	2020 Peterbilt 348 Dump Truck(Installation)	57681-7-2023	\$ 37,221.69	C-3
6/27/2023	2023-104	5/31/2023	Retention	John W. Danforth	Exterior Piping Improvements	Construction	PB111105RTN	\$ 36,934.65	WWTP-11G
6/27/2023	2023-105	5/31/2023	5	John W. Danforth	Exterior Piping Improvements	Construction	PB111105	\$ 753.40	WWTP-11G
6/27/2023	2023-106	6/5/2023	20	Hohl Industrial	Basin Modifications	Construction	179324-20	\$ 237,305.82	WWTP-1
6/27/2023	2023-107	6/5/2023	15	Hohl Industrial	Gen/Mech-Screenings & Grit transport	Construction	179421-15	\$ 37,837.32	WWTP-3
6/27/2023	2023-108	7/18/2022	5	JM Davidson	Exterior Piping Improvements	Professional Services	22071	\$ 13,325.00	WWTP-11
6/27/2023	2023-109	9/15/2022	6	JM Davidson	Exterior Piping Improvements	Professional Services	22143	\$ 6,045.00	WWTP-11
6/27/2023	2023-110	2/20/2023	33	Kaman Automation	SCADA Upgrade	SCADA Upgrade	CTR0049015	\$ 3,225.00	WWTP-10
6/27/2023	2023-111	3/28/2023	34	Kaman Automation	SCADA Upgrade	SCADA Upgrade	CTR0049293	\$ 5,710.00	WWTP-10
6/27/2023	2023-112	6/12/2023	1	CPL	WWTP Biological Process Improvements	Professional Services-April 2023	91558	\$ 24,382.88	WWTP-15
6/27/2023	2023-113	6/12/2023	N/A	CPL	Combined Projects-Misceleneous	Professional Services-Capital Work Management-May 2023	91573	\$ 7,099.56	C-5
6/27/2023	2023-114	5/16/2023	N/A	CPL	Combined Projects-Misceleneous	Professional Services-Capital Work Management-April 2023	90993	\$ 13,043.26	C-5
6/27/2023	2023-115	3/17/2023	2	AECOM	Consent Order Services	OEM-February 2023	2000734827	\$ 12,105.32	C-5
6/27/2023	2023-116	3/31/2023	3	AECOM	Consent Order Services	OEM-March 2023	2000739596	\$ 3,068.80	C-5
6/27/2023	2023-117	5/9/2023	4	AECOM	Consent Order Services	OEM-April 2023	2000757371	\$ 20,426.70	C-5
6/27/2023	2023-118	5/21/2023	27	Arcadis	WWTP project 3	Construction Administration-February 2023	34355121	\$ 6,834.13	WWTP-3
6/27/2023	2023-119	1/17/2023	26	Arcadis	WWTP project 3	Construction Administration-January 2023	34343451	\$ 6,071.00	WWTP-3
								\$ 517,265.90	



Monthly O&M Report For the Month of June 2023

1. Treatment & Plant Maintenance

1.1. Water – Robert Rowe, updated 07/12/2023.

OPERATIONS AND MAINTENANCE

Total water production for the month of June was 575 million gallons. The average daily water production was 19.2 million gallons. The plant data summary table is included below for your reference.

2023 TOTALS AND AVERAGES

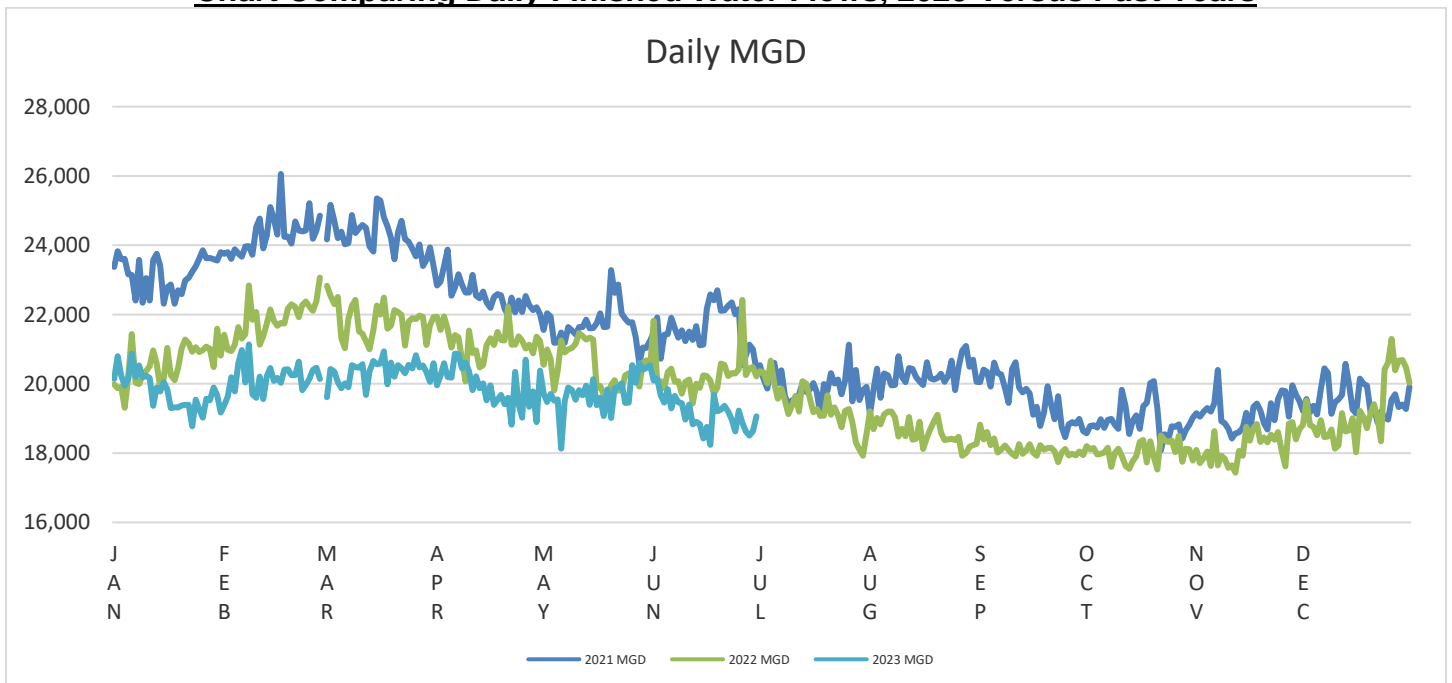
	R/W	PRE CL2	PACL LBS	H2SiF6 LBS	PO4 LBS	POST CL2 LBS	F/W 1000 GAL/ DAY
	PUMPAGE	LBS	LBS	LBS	LBS	LBS	
JAN	612909	7237	154400	15124	1634	3720	19771
FEB	564652	6502	120100	14151	1547	3353	20166
MAR	630959	6898	138000	15821	1742	3980	20354
APR	598023	7137	122000	14989	1624	3782	19934
MAY	611999	7730	105200	15865	1940	4054	19742
JUN	574667	7087	80500	15130	2765	3941	19156
JUL							
AUG							
SEP							
OCT							
NOV							
DEC							
TOTAL	3593209	42591	720200	91080	11252	22830	119122



FOR COMPARISON: 2022 TOTALS AND AVERAGES

	R/W	PRE CL2	PACL	H2SiF6	PO4	POST CL2	F/W 1000 GAL/ DAY
	PUMPAGE	LBS	LBS	LBS	LBS	LBS	
JAN	637659	6204	121300	15499	1680	4054	20570
FEB	612048	6616	111900	15155	1682	3718	21859
MAR	677306	7211	139500	17187	1854	4264	21849
APR	636257	7744	116500	15914	1757	3999	21209
MAY	635991	7910	108200	16438	1732	4341	20516
JUN	608333	8066	82900	16195	1625	4035	20278
JUL	600130	8528	89200	16400	1606	4134	19359
AUG	577218	8690	95700	15248	1728	3748	18620
SEP	543695	8185	95900	13682	831	3452	18123
OCT	559128	6949	100100	13280	1548	3352	18036
NOV	545795	6661	107800	13006	1495	3416	18193
DEC	596240	7564	147800	13954	1619	3513	19234
TOTAL	7229800	90328	1316800	181958	19157	46026	237844

Chart Comparing Daily Finished Water Flows, 2023 Versus Past Years





2023 ANALYTICAL RESULTS

	RAW TURB	RAW pH	PRE Cl2 RES.mg/l	POST Cl2 RES.mg/l	EFF TURB NTU	EFF pH	F. RES mg/l
JAN	19.3	8.0	0.58	1.24	0.043	7.5	0.67
FEB	14.7	8.1	0.57	1.24	0.047	7.5	0.67
MAR	8.0	8.1	0.56	1.24	0.031	7.6	0.67
APR	6.1	8.0	0.55	1.24	0.038	7.4	0.71
MAY	1.4	8.0	0.53	1.25	0.037	7.5	0.72
JUN	1.9	7.9	0.54	1.26	0.032	7.5	0.68
JUL							
AUG							
SEP							
OCT							
NOV							
DEC							
AVG	8.6	8.0	0.56	1.24	0.038	7.5	0.69

Operations and Maintenance Highlights

Freeze Thaw Bed #1 has been cleaned of solids, and with the help of Mike Eagler and his crew the damaged areas of the liner have been opened up for inspection. The liner is now repaired and we have the bed ready for service.

High Lift Pump #4 is having valve issues, Maintenance and Electrician to investigate.

High overtime continues in Operations due to our current staff shortages, but trainees are gaining time served towards licensing.

The need for a booster pump system to aid and back-up our Chlorine dosing into the raw water has been discussed and has become more evident. We have started the process of sourcing equipment and drawing up plans.

We have received approval to move forward from DOH



Wastewater – Dennis Kirkland, Acting Chief Operator- updated 07/10/23

June 2023

Sampling Notes - None

Project #1 (Sedimentation Basins and Screening) Sed basin #5 is majority done other than a few punch-list items and SCADA incorporations. The level sensor, floating baffle. The sprocket motion monitor was installed on both Sed Basin #4 and #5. Hohl took over Sed Basin #3 and has dismantled all the equipment and now building the forms for concrete to separate the “East and West side of the basin. We are preparing to hand them over Sed Basin #2 for a week in July for connecting concrete repairs.

Project #2 (GPS) This project is complete. We have all the hard copy O&M manuals and Digital O&M manuals as well. Training in all aspects of the Project has been received by the proper departments.

Project #3 (Poly, Grit Conveyor, BFP (Belt Filter Press) Controls) The BFP portion is held up on materials and approvals of change orders. The Grit conveyor is operational and the shoots for the screw are installed. Control units for the final two poly systems are being wired in and are now installed in permanent locations . Floor drains are cored out. NFWB personnel to install overflow piping and drain lines.

Project #5 (Electrical) At June Board meeting Ferguson was authorized to replace transformers for two power centers, other portions of Project 5 are being re-evaluated by CPL. The timeline for transformer replacement is not yet final.

Project #7 (HVAC) Work is just about complete at the facility. We had some necessary changes that needed to be made that are now since been completed. Training has been since completed and there is a few punch list items and O&Ms manuals need to be handed over as well.

Project #9 & #11 (Inside/Outside Piping) Project #9 is completed. Danforth finished all the replacement valves in the thickened sludge building and all the temporary piping is set up in the basement of the facility. Project 11 is completed as well, just need to wait for spring so our OSM crew could rake and seed the grass and put in the driveway again. All the piping in the ground will all be GPS as well.

Project #10 (Kaman – Overall Controls) Kaman is still waiting for components for the controls that will be added to the BFP and incorporating them. Capabilities will be added to the HMI (Human Machine Interfaces) screens at each of the three belt filter presses. Kaman would be involved in the HOA switch on each Gorge Pump. Kaman is waiting on the level sensor and tipping pole sensors to move forward with project #1 Sed basins incorporation. They also worked on the HMI and level sensor incorporation. In the scum building.

In conclusion, everything at the WWTP has been moving forward without issue. Conditions have never been better, and morale has never been higher. Each department has put in time and effort to make sure all the projects and upgrades to the facility are getting done the way we have envisioned and in a timely manner.



WASTEWATER TREATMENT PLANT OPERATING DATA														
2023	FLOWS			Chlorine	Rainfall	SLUDGE		Polymer		FeCl3	LIME	H2O2	NaOCl	Grit
	EFF	CBE	GPS	Residual		NET	LANDFILL	BFP	PRIM					
MONTH	MGD	MGD	MGD	PPM	inches	(Tons)		(Lbs)		(gals.)	(Tons)	(gals.)	(gals.)	(Tons)
January	29.84	46.43	14.12	1.7	0.7	1360.0	365.0	1029.0	2389.0	19690	39.7	0	198850	31.9
February	24.78	42.82	13.82	1.6	1.0	1092.0	319.0	575.0	2139.0	16920	23.3	0	175760	26.8
March	33.05	48.46	15.03	1.5	1.6	1487.0	401.0	1408.0	2475.0	22820	46.5	0	242440	34.1
April	28.34	42.67	13.48	1.5	2.7	1378.0	386.0	1317.0	2235.0	21090	51.3	0	139155	17.4
May	20.74	33.68	11.71	1.6	0.5	1476.0	373.0	2098.0	2059.0	18180	47.8	0	126660	4.6
June	19.81	31.45	11.43	1.6	1.5	1351.0	372.0	1664.0	2012.0	18860	49.2	0	103180	19.2
July														
August														
September														
October														
November														
December														
Totals	26.09	40.92	13.27	1.6	8.0	8144.0	2216.0	8091.0	13309.0	117560	257.8	0	986045	134.0

Explanation of data abbreviations:

- INF: Influent
- EFF: Effluent
- CBE Carbon Bed Effluent
- GPS: Gorge Pump Station
- MGD: Millions of Gallons per Day
- PPM: Parts Per Million
- BFP: Belt Filter Press
- PRIM: Primary
- FeCl3: Ferric Chloride
- H2O2: Peroxide
- NaOCl: Sodium Hypochlorite

2021 Data for Comparison Purposes

WASTEWATER TREATMENT PLANT OPERATING DATA														
2021	FLOWS			Chlorine	Rainfall	SLUDGE		Polymer		FeCl3	LIME	H2O2	NaOCl	Grit
	INF/EFF	CBE	GPS	Residual		NET	LANDFILL	BFP	PRIM					
MONTH	MGD	MGD	MGD	PPM	inches	(Tons)		(Lbs)		(gals.)	(Tons)	(gals.)	(gals.)	(Tons)
January	32.12	41.31	13.50	2.2	0.3	2421.0	643.0	3664.0	4398.0	27380	121.8	0	367350	18.8
February	23.60	43.20	12.12	1.8	0.6	1721.0	518.0	2391.0	3107.0	19700	45.7	0	424560	12.0
March	24.32	45.57	12.00	2.0	0.7	2805.0	816.0	3397.0	3430.0	21380	79.0	0	301700	41.2
April	24.18	45.25	12.28	1.8	0.7	2150.0	582.0	2800.0	3335.0	22160	86.1	0	478895	26.0
May	20.59	42.66	11.12	1.6	0.8	1674.0	463.0	2334.0	3345.0	22500	69.8	0	697120	46.4
June	20.69	41.20	11.28	1.6	0.7	1735.0	524.0	2641.0	3363.0	21800	67.8	810	763300	65.3
July	26.76	48.23	12.75	1.4	6.1	1516.0	455.0	2544.0	3629.0	24780	55.7	6140	711170	15.9
August	19.49	36.87	11.21	1.3	0.4	1544.0	440.0	2846.0	3368.0	21420	91.6	0	739870	15.6
September	24.36	43.10	12.14	1.9	0.7	1775.0	533.0	2943.0	3931.0	24840	100.1	0	817405	23.5
October	25.66	44.13	12.74	1.9	2.2	1281.0	394.0	1753.0	3854.0	25100	82.4	0	744630	15.8
November	24.03	35.73	12.71	2.0	1.0	1624.0	470.0	1899.0	3573.0	23360	77.6	0	431430	11.0
December	25.02	35.86	13.47	1.7	0.5	1418.0	409.0	1351.0	3470.0	23660	42.9	0	288885	14.4
Totals	24.24	41.93	12.28	1.8	14.7	21664.0	6247.0	30563.0	42803.0	278080	920.5	6950	6766315	305.9



2.1. Sewer Collection & Water Distribution Michael Eagler, updated 07/13/2023

Sewer Collections System										
2023	Service Calls	Flushing (Feet)	UFPO Responses	Receivers Cleaned	Bypass Pumping (Hours)	Catch Basins	Manholes	Main	Connections	Lateral
January	138	13210	559	47	50.3	4	6	3	3	4
February	151	16590	500	56	24.92	7	4	4	7	3
March	156	33201	931	135	145.5	2	5	1	2	4
April	148	29160	937	476	41.1	4	2	0	2	5
May	150	27465	1128	368	0	3	5	1	4	4
June	157	23405	1137	289	0	4	2	1	7	9
July										
August										
September										
October										
November										
December										
Totals										

Water Distribution																
2023	Main Break	Svc. Leaks	Curb Box Reset	Valve Repaired	Valve Replaced	Hydrant Replaced	Hydrant Repaired	Hydrant Flow	Hydrant Flush-Winterized	Hydrant Leaks	Hydrants out of Svc.	Misc. Svc. Calls	Concrete	Landscape	UFPO	
January	5	8	17	0	4	0	2	0	67	0	0	138	0	0	559	
February	7	5	12	3	1	1	1	0	102	0	0	151	0	0	500	
March	2	8	15	3	0	15	1	0	237	0	0	156	2	0	931	
April	5	11	17	8	2	13	3	12	188	0	0	148	13	5	1023	
May	6	8	5	5	5	2	1	8	212	0	0	150	15	32	1128	
June	9	7	13	7	2	4	9	13	415	1	0	157	12	9	1137	
July																
August																
September																
October																
November																
December																
Totals	34	47	79	26	14	35	17	33	1221	1	0	900	42	46	5284	



3. Analytical Services

3.1 Water Laboratory – Jordan Boyd, updated 7/11/2023

1. New York State Water Sanitary Code Part V Monitoring/Reporting

- Monthly collection for the Distribution System was conducted in June. 60 Samples for Free Chlorine, Turbidity, Phosphate, Fluoride, Standard Plate Count & Coliform. Those results were satisfactory and were within reporting limits.
- Monthly sampling for TOC, DOC & UV254 on both finished and source water were collected in June. All samples were in compliance.
- PFOA, PFOS, and 1,4-Dioxane samples were collected and sent out to be analyzed by Alpha Analytical. A result of 1.87ng/L was reported for PFOS, which is well below the maximum contaminant limit (MCL) of 10.0ng/L. PFOA and 1,4-Dioxane was not detected in the sample. This completes our requirement for these parameters for 2023.
- Inorganic Chemicals (IOC's) samples were collected and sent out to be analyzed by Alpha Analytical. All result were well below the maximum contaminant limit (MCL). This completes our requirement for these parameters for 2023.
- Second quarter UCMR5 samples (Unregulated Contaminant Monitoring Rule 5) were collected in June and sent out to Pace Analytical for analysis. The estimated report date is July 30th.

2. In-house/DEC Monitoring

- All in-house monitoring for process water bacteriology and chemistry was within normal limits for May.
- No water main breaks or community complaints were sampled in June.
- The monthly SPDES sample collected from the freeze thaw beds was within normal limits for May. Chloroform and Dichlorobromomethane were sampled in June according to the new SPDES permit established for 2023.
- NYS ELAP biennial lab audit was conducted on June 20-22nd. No significant deficiencies were found. All other areas of concern are being addressed and submitted back to the state for approval.
- Samples analyzed for 2023: 6,528.

3. Laboratory Contract Analysis

- The Chemistry Laboratory analyzed 8 samples for Total Organic Carbon and 9 Wet Chemistry Samples for City of Lockport and Town of Tonawanda, 3 Wet Chemistry samples from the Village of Lewiston, and 1 sample from Niagara County Water District.
- The Microbiology lab analyzed 21 samples from the Aquarium of Niagara's indoor and outdoor pools and 3 samples from the Village of Lewiston. All results were reported to the representative contacts.
- Revenue created for 2023 was \$16,158.00



3.2 Wastewater Laboratory - Brian Eldridge 7/11/2023

1. The data for June's State Pollutant Discharge Elimination System (SPDES) report is currently being compiled.
2. Priority Pollutant samples were collected and will be analyzed.
3. The second round of CSO sampling will be conducted in July.



4. Customers & Compliance

4.1. Meter Shop – Bob Reid Updated 6/13/23 *[Note: This month’s O&M Report file was not made available for updates until after Bob Reid went on vacation – June figures will be included in next update to O&M Report.]*

Shop read 5243 Residential Meters.

MONTH:	WORK ORDERS	STOPPED METERS	Registers Replaced	Properties Tagged	INDUSTRIAL METERS READ	RESIDENTIAL METERS READ
JANUARY	75	7	6	7	0	7186
FEBRUARY	76	5	7	12	0	5244
MARCH	72	2	14	11	570	5418
APRIL	76	0	6	7	0	7184
MAY	109	0	7	9	0	5243
JUNE						
JULY						
AUGUST						
SEPTEMBER						
OCTOBER						
NOVEMBER						
DECEMBER						
TOTAL	408	14	40	46	570	30275

METER READINGS:

DISTRICT 3	B.REID	M.MYERS	V.Virtuoso	J.PAUL	F.DERUBEIS	TOTAL
5/1/23	1365			1604		2969
5/2/23	1380			337	528	2245
5/5/23					29	29
TOTAL	2745			1941	557	5243



4. Industrial Pretreatment Monitoring / Enforcement – Joel Paradise updated 07/10/2023

Hauled Waste Program – The Hauled waste moratorium imposed on August 16th, 2017 is still in effect. All indications are that this program will not be reinstated.

Investigations/Enforcement – All inspections have been conducted and Notices of Violation have been issued as required.

SIU Updates:

1. All SIU (Significant Industrial User) whose discharge permits nearing expiration in the next several months have been sent their renewal applications for our review and eventual reissuance of their NFWB wastewater discharge permit. This is an ongoing and continuing process.
The Cross Connection Inspectors work of conducting his inspections as a function of building sales, monitoring the annual tests results of all back flow prevention devices, along with updating our database and filing/archiving the hard copies has been progressing on schedule.
2. SIU discharge permits are being continually updated using the most recent data generated by Steve Stewart to verify / adjust discharge limits.
3. The RFP for the Local Limits re-evaluation was released 2/10/2023 with proposals due in March.
4. NFWB and the DEC continues to closely monitor Cascades which has made significant progress getting their ETP back working as designed and appears to have turned the corner with their discharge permit compliance. The weekly reports submitted by Cascades indicate that they have maintained effluent discharges for SOC well below their discharge permit limits consistently now since June 10th, 2022 although there have been several instances where the TSS valued on the discharge to the WWTP were above their discharge permit limits. We continue to monitor the situation through site visits, sampling, and their required weekly progress reports. We are in the process of writing an Order on Consent and assessing violations and associated fines. The consolidation of discharge permits #50 and #73 is almost ready to be issued.
5. The 2021 Annual IPP Report to the USEPA, copied to NYSDEC has been completed , mailed out, and was received in a timely fashion. We are still awaiting their comments.
6. The electronic copy Niagara Falls Water Board's 2022 Industrial Pretreatment Program's Annual Report to the USEPA due March 1st, 2023 was sent out in the AM on Monday, February 27th, 2023. The hard copies were postmarked for delivery via USPS on 3/27/2023 and received on 3/3/2023.



4. Industrial Pretreatment Monitoring / Enforcement (continued) updated 07/19/2023

7. The new combined Cascades / Greenpac discharge permit #80 "Greenpac Mill LLC" was issued on April 13, 2023.
8. The NFWB received the report of the results of the NFWB Pretreatment Compliance Audit conducted on behalf of the EPA on Tues. 2/14 - 2/15/2023. The report arrived on Tuesday, April 25th in the form of an "Information Request" and "Administrative Compliance Order". A meeting was held on Thursday, April 27th, 2023 to plan and begin the process of the response from the NFWB.
9. On Tuesday, May 30th, 2023 Bruce Freeman was hired to eventually assume the Cross-Connection Inspector position currently held by Randy Burns. Randy's status is currently being evaluated by his physician due to chronic back problems.
10. All 2nd 2023 quarter SIU Self-Monitoring Reports were submitted on time and are being evaluated for discharge permit compliance.
11. On Tuesday, June 6th, we collected the required quarterly collection system BHC samples. As in prior BHC sampling events, the samples were delivered to the Lab and sent out for analysis.

4. Safety – John Accardo, Updated 7/12/2023

1. NF. Fire Dept. completed CPR/ Training June 27th at 9:00 a.m.
2. Final PREMA Report submitted.
3. Scrubber is repaired.
4. Life preservers and throw ropes in place on basins at WWTP.
5. Smoke detector replacement at WTP in progress.



6. Technical Services – Doug Williamson, updated 7/11/2023

1. **LaSalle SSO Abatement Program and Consent Order (R9-20080528-32):**
LaSalle SSES Phase 1 workshop meeting was held with Arcadis on June 29th to discuss the results of the night-time weiring, smoke testing and CCTV work that has been performed.
We have a second NYSDEC Engineering Planning grant of \$100,000 in place for new Sanitary Sewer Evaluation Surveys in LaSalle along with the engineering report. We also have an NYSDEC WQIP grant of \$800,000 in place for the construction improvements recommended by this engineering report. A revised work plan that included Phase 1, 2 and 3 LaSalle sewer shed work areas was approved by the NYSDEC on May 24th. Upon approval of the plan, the NFWB immediately began sanitary sewer cleaning and CCTV work in the approved sewer shed areas. We are planning on revising the current LaSalle consent order for years 12 - 18 and eliminate the remaining work items within the schedule that have a negligible impact on I & I.

2. **NYSDEC Consent Order (R9-20170906-129) WWTP Phase I and II Projects:**
In June, we continued to support CPL and the design consultants on the WWTP Phase I and II projects and continually work on the grant reimbursements for construction work completed. Construction progress meetings are being held for ongoing projects, as necessary.

Project 1 Sedimentation Basins and Scum Collection System Modification –Construction at sedimentation basin no.3 continued in June.

Project 2 GPS Rehabilitation – Final Project close-out documents were received on March 31st. We submitted a reimbursement request for the GPS Tunnel Rehabilitation work.

Project 3 Screenings and Grit Transport Equipment Improvements – Construction is ongoing in the polymer area. Progress meeting was last held on May 19th.

Project 5 Electrical System Improvements – Waiting on power center 2 and 5 transformer delivery for Phase II work with Ferguson Electric.

Project 7 Replacement of Critical Heating & Ventilation Equipment – Weekly inspection progress reports have been provided along with HVAC and Electrical punch lists. Final project walk-thru was held on June 20th and construction is complete.

Project 10 SCADA Improvements – work continued as necessary.

Project 11 Exterior Piping Improvements – has been completed except for site restoration. Change order meeting was held on May 30th.

Project 12 WWTP Intermediate Pumps Condition Assessment report was received from GHD on January 23rd and has been reviewed. We plan to put out an RFP for design, bidding and construction administration services.



3. **NYSDEC WWTP SPDES Permit NY0026336 and Consent Order (R9-20170906-129) Items:**

In June, we continued to address the WWTP SPDES Permit NY0026336 and Consent Order (R9-20170906-129) items.

The WWTP Spill Prevention Report was updated and certified on June 12th. Ferric chloride tanks #214 & #215 are due for a 5-year CBS inspection by August 9th. Sulfuric Acid tank #213 is also due for inspection but has not been active and will be closed soon.

The quarterly POTW legal ad was published in the Niagara Gazette on June 30th.

The WWTP NetDMR was approved on June 7th for April 2023. There continue to be violations for the alpha BHC limit each month. A report of non-compliance event was provided to the NYSDEC.

4. **Town of Niagara Sewer Flow Monitoring**

We received a letter from the Town of Niagara on May 31, 2023 regarding their invoice and agreement. The Town is disputing their 2023 Sanitary Sewer Services Charge Calculation. They were provided the raw flow monitoring data to perform their own analysis of the data on June 6th.

We are looking into renegotiating the Agreement in early 2024.

5. **Stormwater Management**

WNYSC meeting was held in June. A cooperating MS4 letter of support for the WNYSC SMP mapping project was provided on June 15th.

6. **Engineering Support**

In June, the engineering department continued to provide engineering and GIS support to NFWB departments, engineering consultants and developers as Needed. Attended weekly **WWTP and WTP O & M meetings** regarding ongoing and planned projects.

We received a deficiency letter from the EPA on May 12th regarding the onsite inspection in June of 2022. We met several times in June to address the outstanding items and a detailed response letter was provided to the EPA to address each of the deficiencies on June 9th.

7. **Capital Improvement Projects:**

In June, the **5 Year Capital Improvement Plan** project statuses and progress continued to be tracked. Met with EFC and CPL in April regarding CWSRF projects and plan to meet quarterly, if necessary. CPL memo that was updated on April 24th regarding **WWTP Phase II Projects** was submitted to NYSDEC/EFC for approval on May 4th. Grants status update



meeting was held on May 9th with CPL, AECOM and NFWB staff and plan to meet monthly.

We put together a **Request for Qualifications for Architectural/Engineering Services** to provide the NFWB with a list of pre-qualified firms to be assigned various consulting tasks as need arises. This RFQ will also serve as the NFWB's compliance with the New York State EFC Certification for A/E Services Procurement for Federally Funded Projects.

Water Projects

The **Whitney Avenue** watermain replacement project bid opening was held on May 30th at 2 pm.

The **18th Street watermain** - Ontario Avenue to Whitney Avenue construction is complete.

The **2021 WIIA Water Grant** of \$3 million was awarded on April 19th, 2022. WTP and water replacement projects are being planned.

Updated **Water System and Storage Tank Engineer's report** was submitted to the NYSDOH on June 16th.

Sewer Projects

RFP 2023-02 Local Limits Reevaluation to reevaluate the local limits established on our significant industrial user's sanitary sewer discharges progressed with AECOM in June.

WTP Projects

In June, the **Water Treatment Plant Fluoride System Assessment** progressed with C & S Engineers, Inc. to develop an engineering report accessing the fluoride system, under Drinking Water Fluoridation Component 1 (Planning Study for water plant upgrades), NYS Division of Family Health Grant #T37250GG. The 4th quarterly report and Claim for Payment were submitted to the NYSDOH on June 30th.

WWTP Projects (additional)

The **2021 WIIA Sewer (WWTP) Grant** of \$1,125,000 was awarded on April 19th, 2022. We are planning on how to proceed with these projects.

The **2022 WIIA grant for WWTP and sewer projects** of \$1,350,000 was awarded on November 4th, 2022. We are planning on how to proceed with these projects.

WWTP Sodium Hypochlorite Tank Replacement

We are hoping to use some of the WWTP phase 1 remaining balance for the sodium hypochlorite tank replacement project and use a consultant for the design, bidding and construction administration services.



WWTP Intermediate Pumps

We will be issuing an RFP for design, bidding and construction administration services soon for award at the September Board meeting.

WWTP Electrical Room HVAC Improvements

We received two proposals for the design, bidding and construction administration services and are waiting on a decision whether to award the work or issue an RFP.



2023 OXIDIZER BUDGET

BUDGET = \$9,000,000.00 for year

COST = \$2,366,889.81 to date

% USED = 26.30% to date

BUDGET = \$24,657.53 per day avg. \$750,000.00 per month avg.

COST = \$13,076.74 per day avg. \$197,240.82 per month avg.

26.1 Flow (MGD) 181 total days



WWTP DATA		OXIDIZER USAGE				SLUDGE REMOVAL			
MONTH	FLOW (MG)	H2O2 (GAL)	NaOCl (GAL)	GAL PER MG FLOW	TOTAL ESTIMATED COST	LANDFILL SLUDGE (TONS)	SOLIDS THROUGH PUT (%)	FERRIC CHLORIDE (TONS)	LIME (TONS)
Jan-2023	924.9	0	203,550	223	\$486,280.95	364.8	136.7	36.9	39.7
Feb-2023	693.8	0	175,760	258	\$419,890.64	319.5	181.2	31.7	23.3
Mar-2023	1,024.5	0	242,440	172	\$579,189.16	255.7	77.1	42.8	44.8
Apr-2023	850.2	0	139,155	330	\$332,441.30	385.6	111.0	39.5	51.3
May-2023	643.0	0	126,660	198	\$302,590.74	372.6	120.4	34.1	47.8
Jun-2023	594.4	0	103,180	175	\$246,497.02	372.1	154.4	35.4	49.2
Jul-2023									
Aug-2023									
Sep-2023									
Oct-2023									
Nov-2023									
Dec-2023									
TOTALS	4,730.8	0	990,745	226	\$2,366,889.81	2,070.2	123.8	220.4	256.0

Low value for year

High value for year

2022 Oxidizer Figures for Comparison:

2022 OXIDIZER BUDGET

BUDGET = \$7,500,000.00 for year

COST = \$4,504,060.00 to date

% USED = 60.05% to date

BUDGET = \$20,547.95 per day avg. \$625,000.00 per month avg.

COST = \$12,339.89 per day avg. \$375,338.33 per month avg.

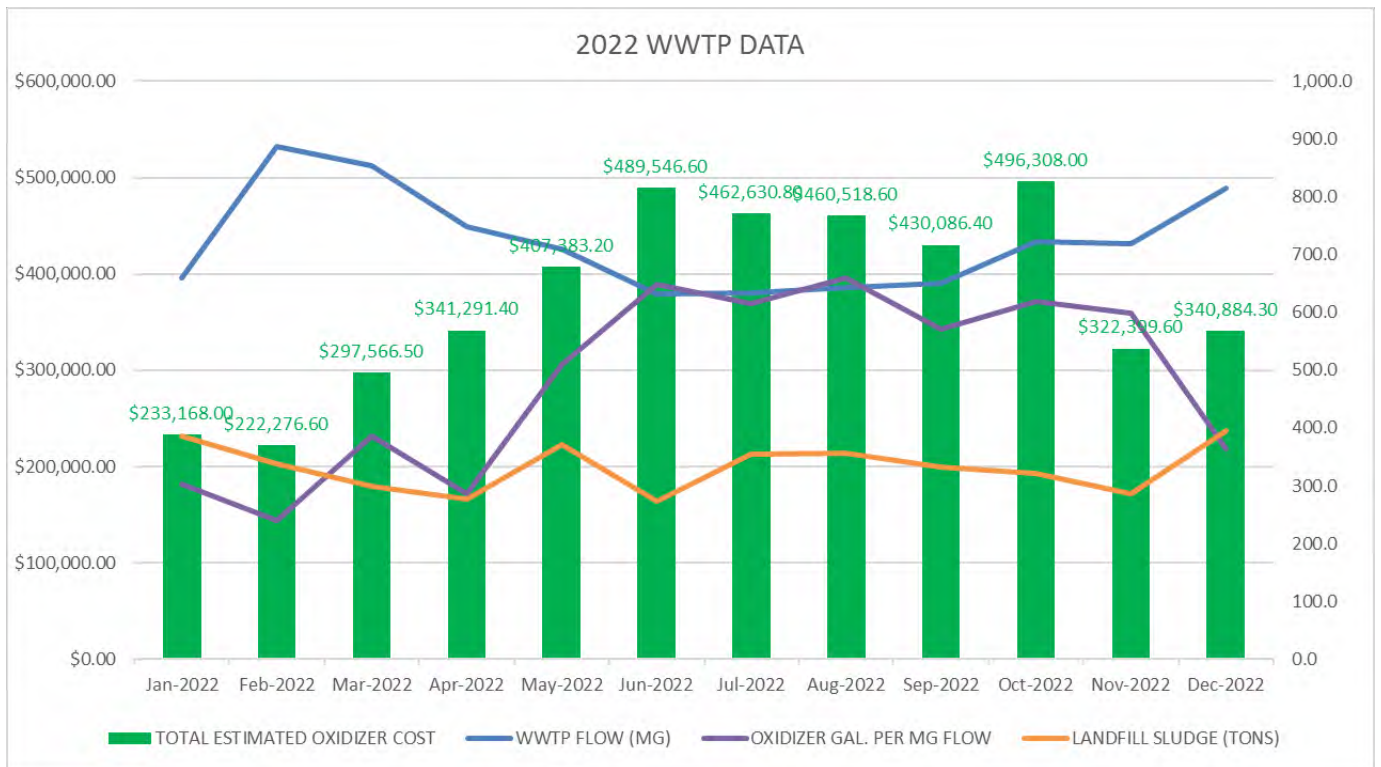
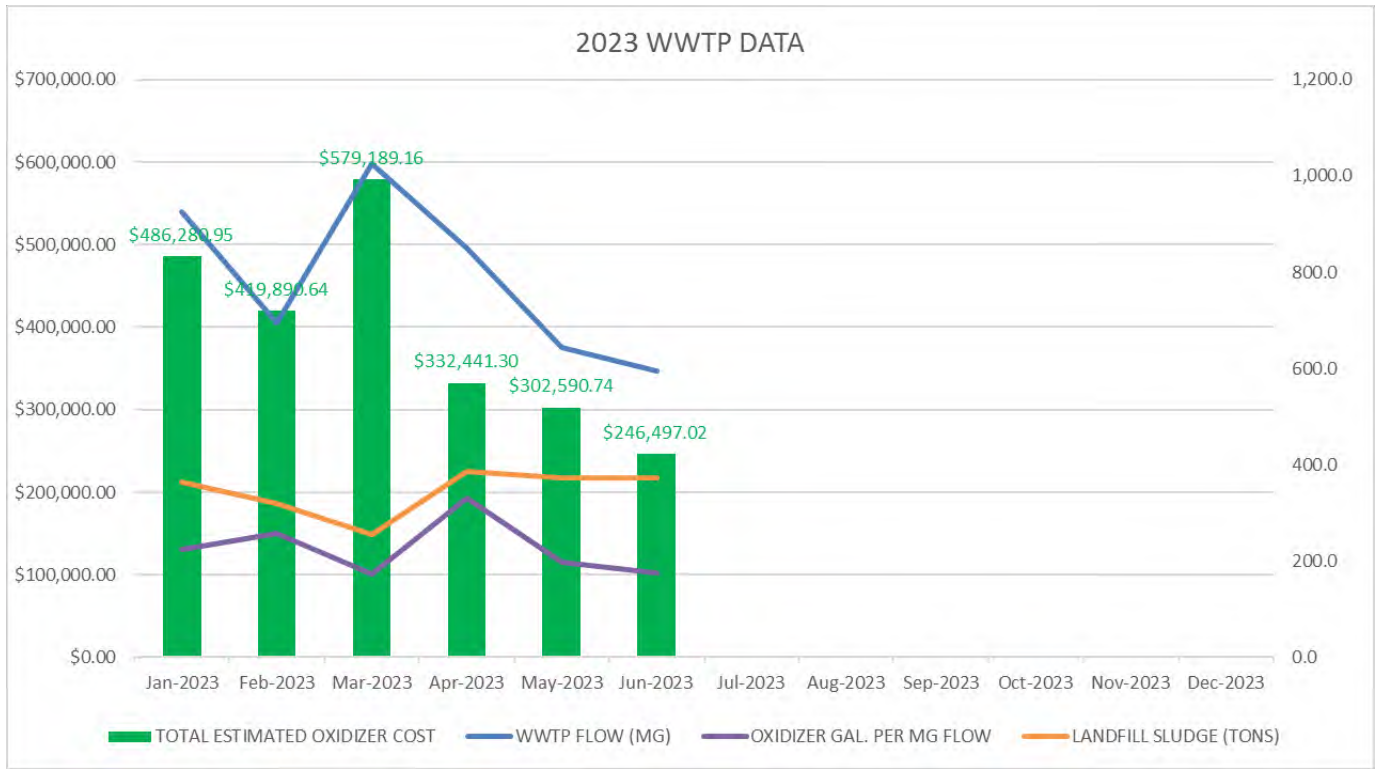
23.8 Flow (MGD) 365 total days



WWTP DATA		OXIDIZER USAGE				SLUDGE REMOVAL			
MONTH	FLOW (MG)	H2O2 (GAL)	NaOCl (GAL)	GAL PER MG FLOW	TOTAL ESTIMATED COST	LANDFILL SLUDGE (TONS)	SOLIDS THROUGH PUT (%)	FERRIC CHLORIDE (TONS)	LIME (TONS)
Jan-2022	659.8	0	197,600	302	\$233,168.00	386.3	152.1	39.4	73.2
Feb-2022	886.9	0	188,370	240	\$222,276.60	338.3	116.1	45.4	67.6
Mar-2022	854.3	0	252,175	387	\$297,566.50	299.7	129.1	45.5	42.7
Apr-2022	748.2	0	289,230	287	\$341,291.40	276.1	98.3	44.3	54.8
May-2022	709.3	0	345,240	509	\$407,383.20	371.1	131.2	46.8	57.0
Jun-2022	631.7	0	414,870	649	\$489,546.60	273.4	119.8	43.0	25.4
Jul-2022	633.7	0	392,060	615	\$462,630.80	354.7	111.7	45.0	76.1
Aug-2022	642.7	0	390,270	660	\$460,518.60	355.5	140.0	42.8	44.9
Sep-2022	649.6	0	364,480	571	\$430,086.40	332.1	89.1	37.1	55.7
Oct-2022	722.5	0	420,600	619	\$496,308.00	321.6	92.0	41.8	64.3
Nov-2022	718.8	0	273,220	599	\$322,399.60	286.8	102.3	40.8	80.1
Dec-2022	815.8	0	288,885	364	\$340,884.30	394.6	96.6	44.4	42.9
TOTALS	8,673.3	0	3,817,000	484	\$4,504,060.00	3,990.3	112.2	516.2	684.4

Low value for year

High value for year





7. SECURITY REPORT— John Accardo 7/12/2023

1. No WWTP security incidents were reported in June
2. Awaiting revised quote from Ferguson Electric for WTP security upgrades.

8. INFORMATION TECHNOLOGY (I.T.) 7/13/2023

Primary System Statuses

- **VMware Environment** – No issues to report.
- **New World Cloud** – No issues to report.
- **Exchange Office 365** – No issues to report.
- **Network WTP/WWTP/Gorge** – No Issues to report.
- **Network Security** – All systems secured, no incidents to report.

Updates/Issues Addressed/Resolved for the Current Month: (Not Included: Daily Tasks/User Issues)

NFWB – WTP - Lucity new VM is created on OS 2019 and SQL is installed. Waiting for the transfer of data from the vendor.

NFWB – WTP – NFWB cyber insurance vendor now requires all VPN users to have 2FA Completed.

NFWB – WWTP - New Domain Controller was installed successfully at WWTP. It is now the primary Domain Controller. Working on upgrading secondary DC to OS 2022.

NFWB – The wireless access points are being tested and getting ready for deployment at both sites.

NFWB –
3CX Phone System tested successfully. Waiting for Spectrum to assign DIDs. Extras phones have been programmed for the new software and are ready to deploy.

NFWB – create network topology to prep for cyber audit. Interactive logon message deployed to all NFWB devices.



Project planning:

- TBD: Upgrade WTP Main Security Gate. We've determined that we will need a trench dug so we can run conduit with direct burial Ethernet or Fiber to the gate. From there we will need to seek a new Gate/Intercom that will interface with our existing Verkada security system. Due to weather and the Gate intercom no available yet, estimated potential kick-off May/June

9. SYSTEM INFRASTRUCTURE AND OPERATIONS – Russell DeFranco 7/14/2023

WTP

1. Freeze thaw beds diversion of sludge to WWTP via sewer to begin week of July 17.
2. Chlorine piping gallery vent repair drawings completed by CPL. Next step is to release bid.
3. Security gate and louver fence for clear well building scheduled for week of July 17.
4. Turbidity meters and parts on order for month of August 2023.
5. Reassigned grass cutting from maintenance workers/equipment based at the WWTP to maintenance workers and equipment based at WTP for more efficiency.
6. Surplus inventory identified at WWTP (see below) now available for use at WTP.

WWTP

1. Inventory control accomplished via recovery of approximately \$40,000 value of inventory and documented in warehouse.
2. Installation of tint film in 2019 for WWTP Plant Planner Office, estimated cost= \$3,500. Removal of tint on 07/14/2023, for safety concerns by American Glass= \$775.
3. Rate payer savings by reducing expense of vehicle assigned to maintenance at WWTP. The vehicle will be auctioned off and funds placed back in NFWB account.
4. AED in place at Outside Maintenance Building.
5. Sedimentation Basins 1, 3, 4, & 5 are operational. Basin 2 under construction/repair.
6. Scum Building flush out valve installed and preventing backup from the processing of sludge and trash filtered out of the process.
7. Danforth scheduled to resume work on intermediate pump #1 valve removal. CPL, Ops and Danforth Supervisor coordinating date and time with consideration of weather conditions.

RENEWAL OF PERMA WORKERS COMPENSATION POLICY

WHEREAS, the Niagara Falls Water Board has procured its Workers’ Compensation insurance policy from PERMA for several years; and

WHEREAS, the workers’ compensation policy renews on July 1 each year; and

WHEREAS, USI, the Water Board’s broker, sought to market the Water Board’s policy with multiple carriers, and after reviewing the results of these efforts with Water Board staff recommended that the Water Board renew its coverage through PERMA, with an estimated premium of \$412,186 after applicable State assessment and a credit for payment in full;

NOW THEREFORE BE IT

RESOLVED, that the Niagara Falls Water Board hereby authorizes the Director of Administrative Services to accept PERMA’s proposal to renew the Workers’ Compensation policy for the July 1, 2023 to June 30, 2024 policy year.

Water Board Personnel Responsible for Implementation of this Resolution:

Director of Administrative Services

Water Board Budget Line or Capital Plan Item with Funds for this Resolution:

Budget Lines: FA.8310.0001.0820.000

GA.8110.0001.0820.000

Budget Lines Supplied by: B. Majchrowicz

Available Funds Confirmed by: B. Majchrowicz

On July 24, 2023, the question of the adoption of the foregoing Resolution was duly put to a vote on roll call, which resulted as follows:

	Yes	No	Abstain	Absent
Board Member Asklar	[]	[]	[]	[]
Board Member Kimble	[]	[]	[]	[]
Board Member Larkin	[]	[]	[]	[]
Board Member Leffler	[]	[]	[]	[]
Chairman Forster	[]	[]	[]	[]

Signed By:

Vote Witnessed By:

Nicholas J. Forster, Chairman

Sean W. Costello, Secretary to Board

Property & Casualty Insurance Proposal

Niagara Falls Water Board



Timothy Wroblewski

Vice President

Account Manager: Linda A. Mayflower, ACSR, CPIA

Date Prepared: June 14, 2023

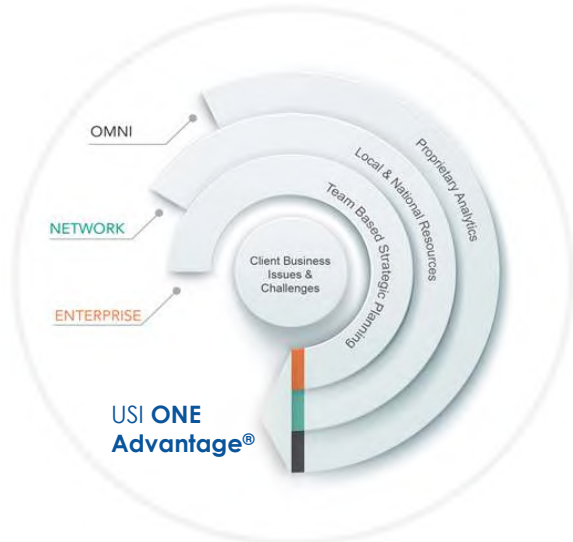


About USI Insurance Services

USI is one of the largest insurance brokerage and consulting firms in the world, delivering property and casualty, employee benefits, personal risk, program and retirement solutions to large risk management clients, middle market companies, smaller firms and individuals. Headquartered in Valhalla, New York, USI connects together over 9,000 industry leading professionals across approximately 200 offices to serve clients’ local, national and international needs. USI has become a premier insurance brokerage and consulting firm by leveraging the USI ONE Advantage®, an interactive platform that integrates proprietary and innovative client solutions, networked local resources and expertise, and enterprise-wide collaboration to deliver customized results with positive, bottom line impact. USI attracts best-in-class industry talent with a long history of deep and continuing investment in our local communities. For more information, visit usi.com.

The USI ONE Advantage

What truly distinguishes USI as a leading middle market insurance brokerage and consulting firm is the USI One Advantage, a game-changing value proposition that delivers clients a robust set of risk management and benefit solutions and exclusive resources with financial impact. USI ONE™ represents **Omni, Network, Enterprise**—the three key elements that create the USI ONE Advantage and set us apart from the competition.



Omni – USI’s Proprietary Analytics

Omni, which means “all,” is USI’s one-of-a-kind solutions platform—real time, interactive, dynamic and evolving, and customized for each client. Built in-house by USI subject matter experts, Omni captures the experience of more than 100,000 clients, thousands of professionals and over 100 years of business activity through our acquired agencies into targeted, actionable solutions.

Network – USI’s Local and National Resources

USI has made a very large investment in local resources and technical expertise, with more than 6,000 professionals networked nationally to build strong vertical capabilities and integrated account teams. Our local and regional experts ensure account team availability, hands-on service, and ongoing diligent follow-through so we can deliver on the solutions we customize for our clients.

Enterprise – USI’s Team Based Strategic Planning

USI’s enterprise planning is a disciplined, focused, analysis centered on our client’s issues and challenges. Highly consultative meetings integrate USI’s Omni analytics with our broad resource network to build a risk management strategy aligned with client business needs. Our enterprise process is a proven method for identifying, quantifying and minimizing client risk exposures.

The USI ONE Advantage—our **Omni** knowledge engine, with our **Network** of local and national resources, delivered to our clients through our **Enterprise** planning process gives USI fundamentally different solutions, the resources to deliver, and a process to bring superior results to our clients.

This proposal is merely a descriptive summary of coverage provided by the insurance companies being proposed and should be used for reference purposes only; it is not a binder and does not amend or alter the insurance contract. Please refer to the policy contract for specific terms, conditions, limitations, and exclusions.

Proposal date: 06/13/2023 Prepared for Niagara Falls Water Board
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Service Team

USI Insurance Services, LLC

726 Exchange St. Ste 618, Buffalo, NY 14210

(716) 314-2000 www.usi.com

Producers

Your is **Timothy Wroblewski**

Direct Number: (716) 314-2107

E-Mail: Timothy.Wroblewski@usi.com

Account Management Team

Your **CL Account Manager** is **Linda A. Mayflower, ACSR, CPIA**

Direct Number: (716) 314-2060

E-Mail: Linda.Mayflower@usi.com

Your **CL Sr Account Rep** is **Lisa Waterhouse**

Direct Number: (716) 314-2064

E-Mail: Lisa.Waterhouse@usi.com

Additional USI Contacts

Your **Claims Advocate** contact is **Jeanne Badaszewski, CWCP**

Direct Number: (716) 314-2038

E-Mail: Jeanne.Badaszewski@usi.com

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Schedule of Locations

Workers Compensation

Insurance Company: PERMA Public Employer Risk Management

Policy Term: 07/01/2023 to 07/01/2024

Location Number	Address	City	State	ZIP Code
1	5815 Buffalo Avenue;	Niagara Falls	NY	14304

Only the locations shown above are included in this proposal. If any locations are not shown above and should be included for coverage, please notify us immediately.

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Workers' Compensation

Insurance Company: PERMA Public Employer Risk Management
Policy Term: 07/01/2023 to 07/01/2024

Coverage Description	Limit
Employers Liability - Each Accident	\$1,000,000
Employers Liability - Disease (Policy Limit)	\$1,000,000
Employers Liability - Disease (Each Employee)	\$1,000,000
Experience Mod	1.62

Coverage is not automatic in all states. Please notify us immediately if you begin operations in another state.

Workers' Compensation Schedule of Exposures

State: NY **Experience Modifier: 1.62**

Class Code	Classification Description	Estimated Annual Payroll	Premium
6319	Water Line Repair	\$460,622	\$38,139
7520	Waterworks	\$850,396	\$126,550
7540	Meter Reader Utility Company	\$258,384	\$17,248
7580	Sewer Plant	\$1,719,732	\$147,520
8810	Clerical Office Employees NOC	\$1,817,357	\$4,669
9402	Street Cleaning	\$578,922	\$75,670

Premium Adjustments	Amount
New York State Assessment	\$10,586
2% Credit on Total Contribution, if pay in full by 7/01/23	-\$8,196

Total Estimated Annual Premium Including Premium Adjustments	\$412,186
---	------------------

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Proposal date: 06/13/2023 Prepared for Niagara Falls Water Board
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Premium Summary

Coverage	Carrier	Expiring Term Premium	Proposed Term Premium
Worker's Compensation	Perma	\$403,083	\$412,186
TOTAL ESTIMATED ANNUAL PREMIUM		\$403,083	\$412,186

Binding Requirements:

- "Client Authorization To Bind" signed by the insured

Note:

In evaluating your exposure to loss, we have been dependent upon information provided by you. If there are other areas that need to be evaluated prior to binding of coverage, please bring these areas to our attention. Should any of your exposures change after coverage is bound, such as your beginning new operation, hiring employees in new states, buying additional property, etc., please let us know so proper coverage(s) can be discussed.

Higher limits may be available. Please contact us if you would like a quote for higher limits.

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Proposal date: 06/13/2023 Prepared for Niagara Falls Water Board
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USI Disclosures

Direct Bill DISCLOSURE: The Insurance Company operates independently for the financing of your insurance premium. Your agreement to finance this premium is directly with the insurance company and not USI Insurance Services.

If payment is not received by the due date, the insurance company could cancel your insurance policy(s) for non-payment of premium. The insurance company has the right to honor the cancellation date and **NOT** offer reinstatement or rewrite the insurance coverage.

We are not in a position to make monthly reminders or verify that your payment was received. Please take the necessary action to avoid possible cancellation of your insurance policy(s) which you are paying directly to the insurance company.

Information Concerning Our Fees: As a licensed insurance producer, USI is authorized to confer with or advise our clients and prospective clients concerning substantive benefits, terms or conditions of insurance contracts, to sell insurance and to obtain insurance coverages for our clients. Our compensation for placement of insurance coverage, unless otherwise specifically negotiated and agreed to with our client, is customarily based on commission calculated as a percentage of the premium collected by the insurer and is paid to us by the insurer. We may also receive from insurers and insurance intermediaries (which may include USI affiliated companies) additional compensation (monetary and non-monetary) based in whole or in part on the insurance contract we sell, which is contingent on volume of business and/or profitability of insurance contracts we supply to them and/or other factors pursuant to agreements we may have with them relating to all or part of the business we place with those insurers or through those intermediaries. Some of these agreements with insurers and/or intermediaries include financial incentives for USI to grow its business or otherwise strengthen the distribution relationship with the insurer or intermediary. Such agreements may be in effect with one or more of the insurers with whom your insurance is placed, or with the insurance intermediary we use to place your insurance. You may obtain information about the nature and source of such compensation expected to be received by us, and, if applicable, compensation expected to be received on any alternative quotes pertinent to your placement upon your request.

Document Delivery DISCLOSURE: USI strives to make your interactions with us easy and efficient. Therefore, we intend to deliver your policy and all policy-related documents electronically through our InsurLink client portal or through email. If you do not wish to receive these documents electronically or if you would like a paper copy of any or all documents at no cost to you, please notify your client service representative in writing. If your email or electronic contact information changes, please notify your client service representative in writing.

Reviewing Client Contracts DISCLOSURE: As a service to our clients, upon their request, USI will review those portions of your contract regarding the insurance and indemnity requirements as they relate to your insurance program and provide comments and/or recommendations based upon such review. This service should not be taken as legal advice and it does not replace the need for review by the insured's own legal counsel.

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Marketing Summary


This list represents the carriers that were approached to provide a competitive insurance program for your business.

Carrier	Result
Comp Alliance	Declined – See attachment
MEMIC	Declined – first dollar coverage (would only consider large Ded starting at \$500,000)
NY State Insurance Fund	Indication as discussed \$520,000

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Process to Report a Loss:

- 1) Call dedicated USIHotline
- 2) Mention “USI ServiceMaster Elite Preferred Program”

USI HOTLINE: 800.426.7045

PROGRAM OVERVIEW

- ServiceMaster Elite is one of USI’s preferred mitigation service providers in New England and upstate New York.
- All First Notice of Claims requiring property damage mitigation services can be directed to ServiceMaster Elite.
- Program covers all USI Commercial and Residential clients.
- USI clients will receive prioritized service when “USI - ServiceMaster Elite” program is mentioned.
- Ensures client access to a top-class operator with scale and capabilities to provide best-in-class service.
- Critical service offering to optimize client loss ratios, premiums, and speed to resuming business or “life” operations.
- Daily project management updates, photos and robust documentation on all open claims.

24/7 Emergency Services

Water Damage Restoration

Fire Damage Restoration

Content Services

Biohazard Services

Service Consultation

Reconstruction Services

Mold Damage Remediation

USI has had positive experience with ServiceMaster and highly recommends them. Please know other vendors are still available to our clients and we encourage our clients to make a choice in selecting vendors.

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Proposal date: 06/13/2023 Prepared for Niagara Falls Water Board
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Linda Mayflower

From: Timothy Wroblewski
Sent: Tuesday, May 30, 2023 3:50 PM
To: Linda Mayflower
Subject: Fwd: Niagara Falls Water Board - Comp Alliance

FYI

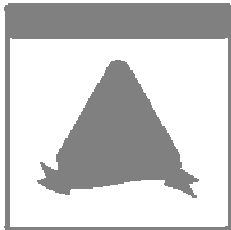
Get [Outlook for iOS](#)

From: Shawn Roes <sroes@wrightinsurance.com>
Sent: Tuesday, May 30, 2023 3:18:48 PM
To: Timothy Wroblewski <Timothy.Wroblewski@usi.com>
Subject: Niagara Falls Water Board - Comp Alliance

Good Afternoon Tim, as we discussed, unfortunately the structure of the Niagara Falls Water Board makes them not a fit for the Comp Alliance program. Being a group public entity workers' compensation program the structure of the group only allows us to write members who have taxing authority. The NYS Workers' Compensation Board only allows us to have members in our group with taxing authority which they view as different than an entity who sets rates.

I am so sorry that we couldn't provide you with a quote on this one and really appreciate you submitting this to us.

Thank You,
Shawn



Shawn Roes

Assistant Vice President of Marketing

P: 315-506-5133

www.compalliance.org



Wright Risk Management

Brown & Brown Insurance

A Division of

Please remember that insurance coverage cannot be bound, amended, or canceled by leaving an electronic or voicemail message. Thank you.

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Insurance coverage cannot be bound, amended or cancelled via voicemail, facsimile or e-mail message without confirmation from an authorized Wright Insurance Group representative.

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**AUTHORIZATION TO PROCEED WITH
NYPA CLEAN ENERGY SERVICES PROJECT**

WHEREAS, the Niagara Falls Water Board (“Water Board”) desires to obtain potential energy savings and other long-term financial benefits for ratepayers and benefits for the environment associated with renewable energy and energy efficiency projects; and

WHEREAS, the Water Board has been working with the New York Power Authority (“NYPA”) Distributed Energy Resources Advisory Services (“DER Advisory Services”) group to determine whether it is feasible and would be beneficial to the Water Board to install solar panels at Water Board facilities; and

WHEREAS, by Resolution 2022-10-005, the Water Board entered into a Master Cost Recovery Agreement which outlines certain terms and conditions of the relationship between the Water Board and NYPA for such a project; and

WHEREAS, after analyzing the Water Board’s properties, NYPA and Water Board staff recommend proceeding with further analysis and potential development of a solar energy system on unused property at the water treatment plant, and NYPA has offered its services to determine the technical and financial feasibility for the site, to develop a request for proposals for the potential project, to procure competitive bids, to assist with the execution of long-term power purchase agreements or other equivalent definitive agreements, and provide project management oversight until commercial operation of the system; and

WHEREAS, to proceed with this work, NYPA requires that the Water Board execute a formal authorization to proceed dated May 22, 2023, which represents the Water Board’s commitment to proceed with a solar project at the water treatment plant site should it receive viable responses from a prospective vendor and obligates the Water Board to pay a fee not to exceed \$28,119 to NYPA in certain circumstances to cover part of NYPA’s costs for the services it will render to the Water Board, which otherwise will be covered by the selected developer;

* CONTINUED ON NEXT PAGE *

NOW THEREFORE BE IT

RESOLVED, that on behalf of the Niagara Falls Water Board, its Executive Director hereby is authorized to execute the May 22, 2023 authorization to proceed for the New York Power Authority to render services to the Water Board related to the development of a solar energy system at the Water Treatment Plant.

Water Board Personnel Responsible for Implementation of this Resolution:
Executive Director

Water Board Budget Line or Capital Plan Item with Funds for this Resolution:
Not applicable.

On July 24, 2023, the question of the adoption of the foregoing Resolution was duly put to a vote on roll call, which resulted as follows:

	Yes	No	Abstain	Absent
Board Member Asklar	[]	[]	[]	[]
Board Member Kimble	[]	[]	[]	[]
Board Member Larkin	[]	[]	[]	[]
Board Member Leffler	[]	[]	[]	[]
Chairman Forster	[]	[]	[]	[]

Signed By:

Vote Witnessed By:

Nicholas J. Forster, Chairman

Sean W. Costello, Secretary to Board



May 22, 2023

Dr. Abderrahman Zehraoui
Executive Director
Niagara Falls Water Board
5815 Buffalo Avenue
Niagara Falls, NY 14304

Re: Authorization to Proceed for Niagara Falls Water Board – Clean Energy Services

The New York Power Authority (NYPA) is pleased to offer its advisory services and assistance to the Niagara Falls Water Board (NFWB) in the development and analysis of Solar Photovoltaic (PV) systems, with the potential of incorporating battery energy storage systems (BESS), at its sites. NFWB seeks to engage NYPA to evaluate potential solar PV systems at its 5815 Buffalo Avenue location. These services include performing preliminary technical and financial feasibility for the site, develop a Request for Proposals (RFP), procure competitive bids, assist with the execution of long-term Power Purchase Agreements (PPAs) or other equivalent definitive agreements, and provide project management oversight until commercial operation of this system. This Authorization to Proceed (ATP) authorizes NYPA to extend services to any other locations that NFWB appends to the portfolio. NYPA is committed to working with NFWB to incorporate clean energy and provide customized advisory services.

Commitment to Proceed

Execution of this authorization indicates your commitment to proceed with these projects should NFWB determine that viable responses from prospective vendors have been received.

Upon receipt of this signed ATP, NYPA will create a Request For Proposal (RFP) for your review prior to issuance to developers. This RFP will be issued for all services required to design, install, and operate solar PV and energy storage systems for NFWB.

The Authority Program Fee (APF) for this project includes a base cost of \$187,4600 for the 5815 Buffalo Avenue locations, and \$60,000 per MW for projects at other sites NFWB chooses to append to the portfolio. The fee shall be paid to NYPA by the Selected Developer after the RFP process has been completed and as projected completion milestones are achieved. In the event that (i) eighteen (18) months after the selection of the solar developer(s) no project has received permits sufficient for the selected developer to begin construction; (ii) NFWB notifies the Authority that NFWB no longer wishes to proceed with developing any project or (iii) NYPA is unable to fully recover the APF, then NFWB agrees to pay NYPA the maximum amount of \$28,119.

May 22, 2023

Dr. Abderrahman Zehraoui

Re: **Authorization to Proceed for Niagara Falls Water Board – Clean Energy Services**

Upon receipt of this signed ATP, NYPA will create an RFP.

NYPA looks forward to working together to make this project a success.

Sincerely,

Authorization to Proceed,

Joe Rende
Sr. Director, Key Account Management
New York Power Authority

Dr. Abderrahman Zehraoui
Executive Director
Niagara Falls Water Board



**NY Power
Authority**

New York Power Authority Distributed Energy Resources Advisory Services

DER Advisory Services

Helps navigate scoping, design, and implementation of clean energy projects



**Statewide
Contract**



**Feasibility
Studies**



Design Build



**Customer
Applications**

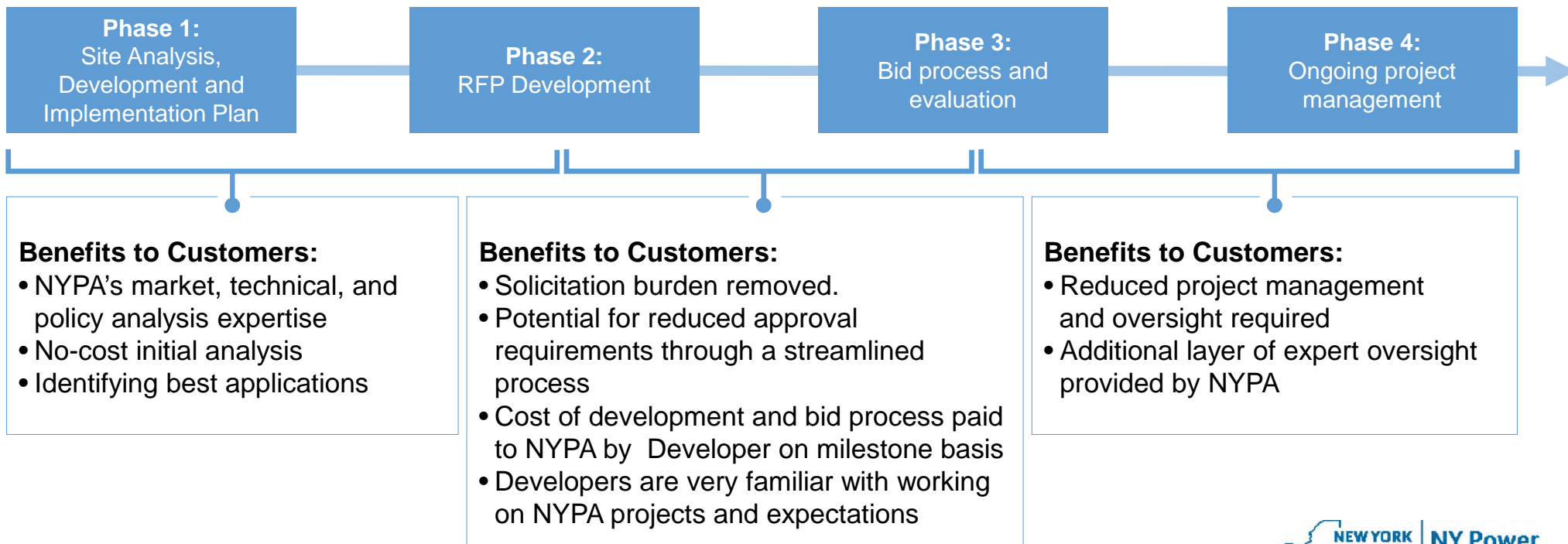
Managed Services

- Streamlined program structure
- Policy and regulatory oversight
- Goal Planning
- Standardized contracts and pre-approved solar vendors
- Feasibility assessments and conceptual site designs
- Complete economic analysis of tariff rates and utility data
- Development of project Scope of Work
- Evaluation of Proposals
- Specialized procurement administration process



NYPA DER team manages projects from inception to completion

Advisory Services are delivered through a phased approach, and add value at every phase in the process



Clean Energy Development

Currently over 30 individual customers are implementing renewable projects through NYPA's DER Advisory Services

Examples of some Customers we are currently working with:

- NYS Office of General Services
- New York State Parks, Recreation & Historic Preservations
- NYS Department of Corrections & Community Supervision
- State University of New York – 8 Individual campuses
- The City of New York (DCAS)
- NYC Department of Environmental Protection
- Metropolitan Transportation Authority (MTA)
- Jacob K. Javits Convention Center
- Port Authority of the State of New York and New Jersey
- Westchester County



**Over 325 MW in
Development
across NYS**



Electric Baseline of Organization

\$378,969.25 Annual Expenditure on National Grid Transmission and Delivery (not including NYPA Supply \$)

23,825,479.00 kWh/year (2022)

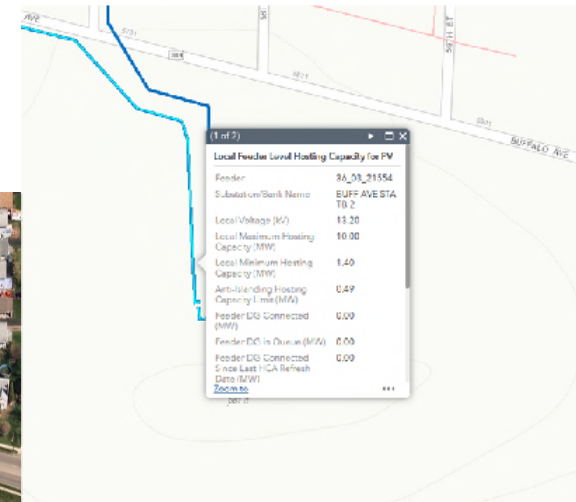
NYPA Supply cost not included. Supply costs are not available to be offset by Solar VDER Tariff.

Project Intent:

Build On-site Solar PV to generate VDER Credits to off set \$378,969 of delivery portion of Utility Bill.



5815 Buffalo Avenue



Local Feeder Level Hosting Capacity for PV

Substation/Bank Name	BUFF AVE STA
Feeder	36_03_21554
Local Voltage (kV)	13.20
Local Maximum Hosting Capacity (MW)	10.00
Local Minimum Hosting Capacity (MW)	5.20



5815 Buffalo Avenue



Preliminary Solar Design

	Capacity	Annual Production	kWh/kWp
<i>Field Segment 1</i>	1.66 MW	1.875 GWh	1,126.8
<i>Field Segment 2</i>	638.8 kW	720.5 MWh	1,127.8
<i>Field Segment 3</i>	631.8 kW	712.5 MWh	1,127.7

Total System Capacity: 2.93 MW



Value Stack Compensation

- **Annual NFWB utility expenditure (2022): \$379,000**
- Value of Distributed Energy Resources (VDER) compensation under Remote Crediting (RC)
 - NFWB can utilize VDER credits up to 110% of its annual NGRID utility expenditure
 - NFWB’s total annual energy expenditure exceeds sites’ total projected compensation

Annual Production & Value (Year 1)			
	Total Production	Average VDER Rate	Total VDER Value
5815 Buffalo Avenue 463kW	3,304,000 kWh	\$0.09/kWh	\$297,000



Contracts

- Power Purchase Agreement (PPA)
- System is built, owned, and operated by developer
- NFWB commits to purchase all the power from the solar field(s) at a PPA rate \$/kWh (either fixed over life of agreement or annual % increase)

- Capital Project
- NFWB Builds project and savings pay for project



Niagara County Solar Law

Niagara County became the first local government in the nation to pass a local law requiring producers to finance solar panel recycling.

Beginning August 1, 2022, no manufacturer, distributor, retailer or installer may sell or offer for sale a solar panel in Niagara County unless the manufacturer is in full compliance with Niagara County Local Law No.4.

Some suppliers have been approved and many are in process of getting approved. Solar companies are responding to bids in Niagara County



Next Steps

- Execute Authorization to Proceed
- Execute Customer Project Commitment
- Issue Request for Proposals
 - Include all identified potential project sites
 - Include option for energy storage



PROCUREMENT OF WATER MAIN VALVES AND HYMAX CLAMPS

WHEREAS, the Niagara Falls Water Board (“Water Board”) maintains a water distribution system which consists of approximately 260 miles of watermain piping and approximately 5,000 valves; and

WHEREAS, over time, valves fail and must be replaced to prevent leaks and be able to control flows or isolate sections of the distribution system for repair or replacement, and the outside maintenance crews utilize Hymax clamps during valve replacements to connect replaced valves with water mains; and

WHEREAS, to obtain the parts required for valve replacements which are known to be necessary, the Water Board obtained a quotation dated May 31, 2023 from Core and Main, Inc., the firm awarded the bid to supply these materials pursuant to Resolution 2022-07-001 (Bid No. W2022-01), for \$30,326.04; and

* CONTINUED ON NEXT PAGE *

NOW THEREFORE BE IT

RESOLVED, that the Niagara Falls Water Board authorizes the procurement of valves and Hymax clamps from Core & Main, Inc., pursuant to that firm’s quote dated May 31, 2023 and for an amount not to exceed \$30,326.04.

Water Board Personnel Responsible for Implementation of this Resolution:
Executive Director

Water Board Budget Line or Capital Plan Item with Funds for this Resolution:
CIP Item No. W-3, Large Valve Replacement
Capital Line Supplied by: M. Eagler
Available Funds Confirmed by:

On July 24, 2023, the question of the adoption of the foregoing Resolution was duly put to a vote on roll call, which resulted as follows:

	Yes	No	Abstain	Absent
Board Member Asklar	[]	[]	[]	[]
Board Member Kimble	[]	[]	[]	[]
Board Member Larkin	[]	[]	[]	[]
Board Member Leffler	[]	[]	[]	[]
Chairman Forster	[]	[]	[]	[]

Signed By:

Vote Witnessed By:

Nicholas J. Forster, Chairman

Sean W. Costello, Secretary to Board



Bid Proposal for NIAGARA FALLS WATER BOARD VALVES AND HYMAX VERSA

CUSTOMER	NIAGARA FALLS WATER BOARD 1200 BUFFALO AVE NIAGRA FALLS, NY 14303	Job NIAGARA FALLS WATER BOARD VALVES AND HYMAX VERSA Bid Date: 05/26/2023 Bid #: 2945923
	Sales Representative Scott Little (M) 716-535-0799 (T) 716-625-8666 Scott.Little@coreandmain.com	Core & Main 650 West Ave Lockport, NY 14094 (T) 716-625-8666
CONTACT		
NOTES		



Bid Proposal for NIAGARA FALLS WATER BOARD VALVES AND HYMAX VERSA

NIAGARA FALLS WATER BOARD

Bid Date: 05/26/2023

Core & Main 2945923

Core & Main

650 West Ave

Lockport, NY 14094

Phone: 716-625-8666

Seq#	Qty	Description	Units	Price	Ext Price
		DUE TO CURRENT SUPPLY CHAIN DISRUPTIONS, MATERIALS ARE SUBJECT TO PRICING AT TIME OF SHIPMENT. MATERIAL AVAILABILITY AND TIMELINESS OF SHIPMENTS CANNOT BE GUARANTEED. THIS TERM SUPERSEDES ALL OTHER CONTRACTUAL PROVISIONS.			
10	6	8 A2362-23 MJ RW GV OL L/ACC	EA	1,833.00	10,998.00
20	4	10 A2362-23 MJ RW GV OL L/ACC	EA	2,858.01	11,432.04
30	4	12 MJ BUTTERFLY VLV ON PRATT	EA	1,974.00	7,896.00
				Sub Total	30,326.04
				Tax	0.00
				Total	30,326.04

UNLESS OTHERWISE SPECIFIED HEREIN, PRICES QUOTED ARE VALID IF ACCEPTED BY CUSTOMER AND PRODUCTS ARE RELEASED BY CUSTOMER FOR MANUFACTURE WITHIN THIRTY (30) CALENDAR DAYS FROM THE DATE OF THIS QUOTATION. CORE & MAIN LP RESERVES THE RIGHT TO INCREASE PRICES TO ADDRESS FACTORS, INCLUDING BUT NOT LIMITED TO, GOVERNMENT REGULATIONS, TARIFFS, TRANSPORTATION, FUEL AND RAW MATERIAL COSTS. DELIVERY WILL COMMENCE BASED UPON MANUFACTURER LEAD TIMES. ANY MATERIAL DELIVERIES DELAYED BEYOND MANUFACTURER LEAD TIMES MAY BE SUBJECT TO PRICE INCREASES AND/OR APPLICABLE STORAGE FEES. THIS BID PROPOSAL IS CONTINGENT UPON BUYER'S ACCEPTANCE OF SELLER'S TERMS AND CONDITIONS OF SALE, AS MODIFIED FROM TIME TO TIME, WHICH CAN BE FOUND AT: <https://coreandmain.com/TandC/>

**MILTON CAT CHANGE ORDER FOR WATER TREATMENT PLANT
GENERATOR CONTROL UPGRADE PROJECT**

WHEREAS, the Niagara Falls Water Board (“Water Board”) Water Treatment Plant (“WTP”) is equipped with two CAT brand emergency backup generators sufficient to maintain vital operations in the event of a power failure to the WTP; and

WHEREAS, these generators are original to the WTP and from time to time require repairs and refurbishment to continue to provide reliable emergency backup power; and

WHEREAS, in Resolution 2023-02-003, the Water Board approved a \$259,789 proposal from Milton CAT to supply equipment and a \$49,889 proposal from Ferguson Electric to supply labor and material necessary to upgrade the generator and switchgear controls, which originally were constructed in 1995, lack readily available replacement parts, and are technologically obsolete; and

WHEREAS, after a recent site visit by Milton CAT, two desirable additions to the approved scope of work were identified, and Milton CAT has presented a proposed change order with pricing based off of Sourcewell Contract No. 120617-CAT, from which the Water Board is authorized to make procurements pursuant to General Municipal Law § 103(16) and which provides a discount off of normal prices, to add these items to the scope of work for a total of \$38,728; and

WHEREAS, one of the changes covered by the proposed change order is to update the controls on a transfer switch that has been associated with generator issues in the past, and the other change is to add a remote touchscreen interface in the WTP control room, so the operator on duty can monitor the status of the generators and switchgear without having to go to the generator building, which will enhance the operators’ ability to control operations in the event of an outage; and

WHEREAS, a portion of the work described in this resolution may be eligible for reimbursement pursuant to the Water Board’s Drinking Water State Revolving Fund Grant No. 19056;

* CONTINUED ON NEXT PAGE *

NOW THEREFORE BE IT

RESOLVED, that on behalf of the Niagara Falls Water Board, its Executive Director hereby is authorized to pay to Milton CAT an additional amount not to exceed \$38,728 to complete the scope of work set forth in that firm’s proposal dated July 11, 2023, with this sum being in addition to the \$259,789 previously approved for that firm’s work on the Water Treatment Plant Generator Control Upgrade Project.

Water Board Personnel Responsible for Implementation of this Resolution:
Executive Director

Water Board Budget Line or Capital Plan Item with Funds for this Resolution:
Capital Line WTP-6.2, Emergency Backup Generator Upgrades
and NYS EFC DWSRF Grant No. 19056
Capital Line Supplied by: D. Williamson

On February 27, 2023, the question of the adoption of the foregoing Resolution was duly put to a vote on roll call, which resulted as follows:

	Yes	No	Abstain	Absent
Board Member Asklar	[]	[]	[]	[]
Board Member Kimble	[]	[]	[]	[]
Board Member Larkin	[]	[]	[]	[]
Board Member Leffler	[]	[]	[]	[]
Chairman Forster	[]	[]	[]	[]

Signed By:

Vote Witnessed By:

Nicholas J. Forster, Chairman

Sean W. Costello, Secretary to Board



Milford, MA
Batavia, NY
North Reading, MA

Londonderry, NH
Binghamton, NY
Richmond, VT

Clifton Park, NY
Brewer, ME
Wareham, MA

Syracuse, NY
Scarborough, ME
Cranston, RI

TO: Niagara Falls Water Board
ATTN: Russell DeFranco

Opp: 21-27423 CO1
DATE: 7/11/23

PROJECT

Change - Generator and Switchgear Modernization - Sourcewell Member #87692

We are pleased to present you with a change order on the upgrade of your generator and switchgear. The changes below will add new controls to TS-3 and a remote operator station for the operators in the control room.

Change summary:

- Replace Caterpillar EMCP 4.4 Controllers with DIEF controls
- Add Remote HMI for control room
 - 15" HMI
 - Wall mount enclosure
- Add DIEF TS-3 Controls
 - DIEF AGC-4 Mains Controller
 - Sync Check
 - CAN Converter
- Additional Engineering and as built drawings for new system

Additional Cost	\$	40,767	
Sourcewell Discount	5%	\$ (2,039)	
Net Price			\$ 38,728
		Net Price, F.O.B. Job Site/Tailgate	\$ 38,728



Customer Requirements:

- All running of wires is by others, a list of wires needed will be provided after engineering is complete
- Anything not specifically mentioned in this proposal is excluded
- All third-party testing is excluded
- All NETA Testing is excluded
- All permits, fees, permissions, registrations, and inspections are excluded
- All fuel and DEF, including fuel and DEF for any rental generators is excluded
- All arc flash studies are excluded
- All coordination studies are excluded
- All Ground Fault and Arc Flash testing and studies are excluded
- Milton Cat reserves the right to correct errors and omissions
- Videotaping of training provided by Milton CAT technicians is strictly prohibited
- Federal, state, and local code compliance is strictly the responsibility of the owner
- Buyer may not cancel a purchase order or return equipment without Milton Cat's written consent
- Customer electrician required for connection of load banks and rental generators, the same transformer is to be used to connect load bank and rental generator
- Customer responsible for completing full preventative maintenance on switchgear power envelope (breakers, bus bar, etc) prior to start of project
- No warranty on existing equipment has been expressed or implied, all existing equipment is assumed to be functional. A quote will be issued for any components that are found to be not functional
- Existing customer system interfacing is the customers sole responsibility for proper functional interface with new equipment
- No background checks, drug tests, health screenings, or safety training is included in this proposal
- All documentation will be delivered in electronic format
- Customer to provide free and clear access to all generators and switchgear, some work may happen outside of normal business hours, days longer than 8 hours, and over weekends
- Prevailing Wages are included
- No modifications to ATS's are included
- Engine, Switchgear, and surrounding areas must be free and clear of oil, glycol, dirt, and debris for safety and reduced contamination



Payment Terms:

Pricing is based on CAT Sourcewell Contract #120617-CAT.

With Credit Department Approval – Net 30 Days

Sales tax is not included.

Credit card payments are not accepted.

This is a quotation on the goods named above and subject to the conditions noted herein:

The estimate provided to you is based on what can be reasonably observed by a Milton Cat Product Support Representative. If, during actual repairs, additional worn or failed components are discovered, you will be contacted with an updated estimate that will include a breakdown of additional parts and/or labor. No additional repairs will be made without the customers signed approval. Transportation, freight, tax, miscellaneous supplies, and environmental charges are not included unless otherwise noted. We greatly appreciate the opportunity to estimate this repair for you and look forward to providing you the best service in the industry.

This price is firm for thirty (30) days. Please see attached Terms and Conditions. Please note sales tax, if applicable, is not included in our price. We appreciate this opportunity to quote you on your equipment requirements and hope to be favored with your valued order.

We look forward to serving your future purchase and/or rental needs.

Sincerely,

Justin Peterson / Product Support Consultant / Cell: (603) 260-3568 / Email: Justin_Peterson@miltoncat.com



MILTON CAT POWER SYSTEMS STANDARD TERMS & CONDITIONS

- A)** Customer is responsible for any and all installation of the equipment supplied by **Milton Cat Power Systems**, unless otherwise specified in writing. All equipment needed to perform any loading or unloading of the equipment supplied by **Milton Cat Power Systems** is the responsibility of the buyer. All permits, fees and regulatory requirements are the responsibility of the buyer.
- B)** **Milton Cat Power Systems** limits the scope of supply for this quotation to the equipment and services listed in our bill of material. Unless specifically listed in our bill of material, equipment not indicated is assumed to be supplied by others. We have detailed the equipment proposed in the bill of material. Please check it to be certain that it meets your requirements.
- C)** **Milton Cat Power Systems** reserves the right to correct any errors or omissions. Standard warranty of the manufacturer applies. Copies are available upon request.
- D)** The Price of any equipment scheduled for shipment on a date beyond a period of twelve (12) months from date of purchase order is subject to increase by seller, unless otherwise agreed to in writing.
- E)** Contracts which include penalty or liquidated damage clauses, waivers of subrogation, or naming a third party additionally insured are not acceptable or binding on **Milton Cat Power Systems**, unless accepted and confirmed in writing by an officer of **Milton Cat Power Systems**.
- F)** There will be a cancellation fee for any orders cancelled, once placed and accepted by **Milton Cat Power Systems**. Cancellation fees will be addressed and negotiated at time of cancellation.
- G)** **Milton Cat Power Systems** will not be responsible for any labor or material charges by others associated with the start-up and installation of this equipment unless previously agreed upon, in writing by **Milton Cat**

Customer Acceptance: This proposal is accepted at the price and per the terms indicated. (Please provide the entire proposal form to Milton Cat with signature). Milton Cat requires a purchase order to proceed with the order.

Name (print)

Company

Title

Signature/Date

NIAGARA FALLS WATER BOARD RESOLUTION # 2023-07-005

**CHANGE ORDER FOR PROJECT 6 ENGINEERING SERVICES
AGREEMENT - SODIUM HYPOCHLORITE TANK, SECONDARY CONTAINMENT,
PUMPING, PIPING, AND CONTROLS**

WHEREAS, the Niagara Falls Water Board (“Water Board”) retained AECOM for design and construction engineering services to implement improvements to its effluent disinfection system in connection with a wastewater treatment plant project referred to as “Project 6”; and

WHEREAS, the construction work associated with the original scope of work for Project 6 is complete, but the Water Board has identified a need for additional improvements related to the effluent disinfection system, to wit, replacement of Sodium Hypochlorite Storage Tank 216 which is near the end of its useful life, addition of two sodium hypochlorite addition pumps to add that chemical to the carbon filter backwash, and associated pumps, piping, electrical, and control work; and

WHEREAS, AECOM was requested to submit a proposal to perform this added scope of work pursuant to the terms of its contract for WWTP Project 6; and

WHEREAS, AECOM has proposed to complete the design and construction engineering services required for the sodium hypochlorite tank, secondary containment, pumping, piping, and control work as a change order to its Project 6 contract for a total additional fee not to exceed \$99,852; and

WHEREAS, the Water Board secured grant funds and loan financing from Environmental Facilities Corporation under Project No. C9-6603-14-00 which will offset a portion of the cost of this work;

* CONTINUED ON NEXT PAGE *

NOW THEREFORE BE IT

RESOLVED, that the Niagara Falls Water Board be and is hereby authorized to execute a change order to AECOM's contract for WWTP Project 6 to complete the design and construction engineering services required for the sodium hypochlorite tank, secondary containment, pumping, piping, and control work project for a total additional fee not to exceed \$99,852.

Water Board Personnel Responsible for Implementation of this Resolution:
Executive Director

Water Board Budget Line or Capital Plan Item with Funds for this Resolution:
CIP Item No. WWTP-13, Chemical Bulk Storage

On July 24, 2023, the question of the adoption of the foregoing Resolution was duly put to a vote on roll call, which resulted as follows:

	Yes	No	Abstain	Absent
Board Member Asklar	[]	[]	[]	[]
Board Member Kimble	[]	[]	[]	[]
Board Member Larkin	[]	[]	[]	[]
Board Member Leffler	[]	[]	[]	[]
Chairman Forster	[]	[]	[]	[]

Signed By:

Vote Witnessed By:

Nicholas J. Forster, Chairman

Sean W. Costello, Secretary to Board

June 28, 2023

Mr. Douglas Williamson, PE
Director of Technical & Regulatory Services
Niagara Falls Water Board
5815 Buffalo Avenue
Niagara Falls, NY 14304

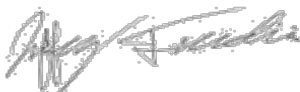
Subject: Proposal for NFWB Wastewater Treatment Plant (WWTP)
Sodium Hypochlorite Improvements

Dear Mr. Williamson:

The Niagara Falls Water Board (NFWB) is continually executing multiple capital improvement projects on its wastewater treatment plant (WWTP) and other infrastructure to deliver high-quality services to its customers. AECOM has a unique familiarity with many of the NFWB WWTP unit processes that present opportunities for efficiency and comprehensive evaluations. Since 2017, AECOM has been evaluating process operations, providing technical support to improve treatment performance, and most recently providing design and construction services. Our experience has allowed us to understand processes within the WWTP and how those processes are interdependent. We look forward to using this experience as we work with you and your team to evaluate and implement improvements to the sodium hypochlorite storage and carbon filter backwash water chlorination systems.

AECOM is fully committed to support the NFWB on this project and we look forward to discussing our proposal and approach. This proposal is conditioned upon execution of an agreement with terms that are consistent with our Project 6 Effluent Disinfection Upgrades project contract. Please contact Jeff Tudini at 716-868-4306 or jeffrey.tudini@aecom.com if you have any questions or need additional information. Thank you for your consideration

Sincerely yours,
AECOM USA, Inc.



Jeff Tudini
Project Manager



John L. Albrecht
Vice President, Operations Manager, Northeast Water

Table of Contents

Sodium Hypochlorite Storage Tank, Secondary Containment, and Backwash Sodium Hypochlorite Pumps, Piping, and Controls	3
Purpose	3
Scope of Project.....	4
Design Phase Services	5
Construction Phase Services	5
Budget Estimate	6
Project Team	7
Project Schedule	8

ATTACHMENTS:

1. Cost Table

Sodium Hypochlorite Storage Tank, Secondary Containment, and Backwash Sodium Hypochlorite Pumps, Piping, and Controls

Purpose

The purpose of this project is to provide engineering design and construction phase services for the following wastewater treatment plant (WWTP) improvements:

- Sodium Hypochlorite Storage Tank 216 Replacement – including provisions for secondary containment in accordance with New York State Chemical Bulk Storage (NYS CBS) Regulations (6 NYCRR 596 – 599).
- Two (2) new sodium hypochlorite addition pumps to add sodium hypochlorite to the carbon filter backwash water including pumps, piping, electrical, and controls.
- Related improvements in the Odor Control Building to facilitate the above work including restoration or replacement of the Tank 216 secondary containment, relocating piping and related facilities as necessary.

As reported to us by NFWB, the work is necessary because Tank 216 is reaching the end of its service life as determined by the most recent 5-year Chemical Bulk Storage (CBS) inspection report prepared by EnSol Engineering and Environment. The existing Tank 216 relies upon a concrete/masonry secondary containment dike that has experienced coating failure, and as a result the containment is not liquid tight. The New York State CBS regulations require that secondary containment be provided for sodium hypochlorite storage tanks.

In addition to replacement of Tank 216, the NFWB plans to replace the two (2) peristaltic pumps that deliver sodium hypochlorite to the carbon filter backwash water that helps clean the filter underdrains and support media. The current pumps are near the end of their life and the variable frequency drives (VFDs) and controls are not reliable.

A total of eight (8) sodium hypochlorite pumps are located within the same containment dike that provides secondary containment for Tank 216. The eight (8) pumps are as follows:

- Four (4) sodium hypochlorite pumps used for effluent disinfection,
- Two (2) sodium hypochlorite pumps used for filter backwash (slated for replacement)
- Two (2) sodium hypochlorite pumps used for primary effluent chlorination.

As a result of replacing Tank 216 and the need for providing secondary containment for Tank 216 and the above pumps, a significant amount of relocation and/or rework of pumps and piping will be necessary in order to facilitate the installation of a new Tank 216 and the necessary secondary containment.

Scope of Project

The work will include the evaluation and implementation of the following:

- Replacement for Tank 216 of similar capacity using either a double walled tank, or the existing containment dike. The design will consider necessary relocation/rework of existing facilities to accommodate the secondary containment upgrades.
 - The existing secondary containment will be modified by creating a shallow sump that will serve as a low point with which to pump any accumulated liquid out of the containment area.
 - If the existing secondary containment dike is retained a lining system will be specified for making the dike liquid tight.
 - A review of the options for double walled tank replacement versus single wall tank with containment dike improvements will be conducted and reviewed with the NFWB ahead of advancing the system improvement design.
- Two (2) new positive displacement peristaltic pumps with variable frequency drives sized for both backwash water chlorination, and carbon filter high-strength dosing with sodium hypochlorite for occasional cleaning of the underdrain and gravel. Ancillary features will include:
 - New pressure reliefs to prevent pipeline over pressurization (pump running against deadheaded piping)
 - Piping and valves (manual) in the vicinity of the pumps to allow either pump to provide sodium hypochlorite to either filter backwash pump.
 - Wiring and controls to allow for remote automatic operation of the two sodium hypochlorite backwash pumps by the filter operator during filter backwash.
 - Two (2) automated control valves located at the point where the sodium hypochlorite flows into the filter backwash piping that will open and close based on when backwash cycles are initiated via SCADA programming. These valves will prevent backflow of filter backwash water into the NaOCl piping.
 - An ancillary suction side pipe that terminates in the secondary containment sump that will facilitate draining the secondary containment by pumping accumulated sodium hypochlorite into the filter backwash water.
 - The valves used to determine which pump delivers NaOCl to the Train A or Train B filters will be manually operated and it is up to the operator to confirm that a proper flow path is provided. In the event the pump is run deadheaded, the pressure relief valves will minimize pipe over pressurization and damage.

Design Phase Services

AECOM will provide the following design phase deliverables:

- Drawings:
 - M-1 – Process Piping Schematic Drawing
 - M-2 – Process Storage Tank, Pump and Piping Plan and Section
 - E-1 – Electrical Power, Instrumentation and Control Plan Drawing with Conduit and Conductor Schedule
 - I-1 – Piping and Instrumentation Diagram
- Bill of Material – Bill of Material for Pumps, Piping, Valves, Relief Valves, VFDs
- Specifications – Where necessary for items not covered in Bill of Materials and will include:
 - Project sequencing which is a written schedule identifying project construction phasing to facilitate ongoing plant operations during construction.
 - Sequence of Operations – Written (text) sequence of operations that will be followed by the system integration contractor to terminate the various instruments and controls and program the operating sequence into the supervisory control and data acquisition (SCADA) system.
- Three (3) project meetings are planned for: project kick-off, design progress review at proximately 90%, and final (100%).

The project will be set up with two contracts one for mechanical and one for electrical work. Following completion of the design phase deliverables AECOM will prepare a notice to bidders for publication by the NFWB and will conduct a pre-bid meeting for contractors at the site. This will likely include mechanical and electrical contractors. AECOM will respond to questions or clarifications posed by contractors that arise during the bid phase. AECOM will review contractor bids and provide comments on bidder's submittals concerning responsiveness to the Request for Bids.

Construction Phase Services:

During construction AECOM will provide the following services:

- Review submittals, including resubmittals (assume up to 15 submittals will be reviewed).
- Respond to questions (Response to up to 20 questions is assumed),
- Issue clarifications (Review of 10 RFI's are assumed),
- Inspect work (includes up to 8 site visits has been assumed),
- Document construction progress based on site visits observations. Progress reports will be provided to NFWB via email,
- Recommend progress payments (up to 4 progress payments have been assumed),
- Assist with system startup and testing consisting of 2 site visits observing filter backwashing and operation of the sodium hypochlorite pumps to convey chemical to the backwash water inlet,
- Assist with training NFWB operations and maintenance personnel on system operations and maintenance, (up to 16 hours has been budgeted)

- Prepare record drawings that reflect the completed construction.

Assumptions:

- Contractor will provide redline drawings of the changes made during construction.
- Cost estimation is not included in this scope.
- SCADA integration will be performed by others.

Budget Estimate

See attached Table 2 for a detailed summary of manhours and costs for this project. We recommend NFWB establish a budget of \$99,852 for these services. AECOM will invoice NFWB monthly based on work completed in the billing period. AECOM has made the following assumptions in development of this project budget:

- The terms and conditions of our existing agreement will be used for this scope of services.
- Construction inspection will be performed on a part-time basis. AECOM will work with the contractor in an attempt to observe work at key milestones. Note that AECOM will not be able to observe work conducted in our absence.
- During his typical three-day-per week site visits performed by Dr. Goeddertz as part of the Onsite Environmental Monitoring (OEM) services, AECOM will observe and document construction progress. These costs will be carried by the OEM contract services as Dr. Goeddertz is already on-site for that project.
- We have assumed the construction will occur simultaneously with Dr. Goeddertz existing OEM services at the facility.

Project Team

The key project team is identified below in Table 1.

Table 1: Proposed Project Staff

Name	Role	Experience
Jeffrey Tudini	Project Manager and Process Engineer	Jeffrey (Jeff) will serve as Project Manager for these projects. Jeff has 16-years of experience as a consultant in industrial and municipal wastewater treatment including serving as the lead engineer for the NFWB biological treatment pilot and capital improvement design Project 1 (Sedimentation Basin and Scum Collection Modifications).
John Goeddertz, PhD	Sr. Project Engineer	John will provide senior technical guidance. He has over 30-years of experience as a municipal and industrial wastewater consultant, including multiple evaluations and designs for the NFWB WWTP.
Jordan Radomski	Project Engineer	Jordan will provide project engineering and AutoCAD drafting for the project. He has over 5 years of experience as a consultant in municipal wastewater treatment including assisting with multiple projects at the NFWB WWTP and capital improvement design Project 6 (Carbon Filter Media and Gravel Replacement).
Dan Casper	Staff. Engineer	Dan graduated the University at Buffalo with bachelor's degree in Environmental Engineering. Dan will assist the project with CAD and design support.

Project Schedule

AECOM will work with the NFWB staff to schedule a kickoff meeting upon receipt of written authorization to proceed (i.e., purchase order). AECOM proposes to complete the design documents within 10-weeks of project kickoffs. The construction phase services are estimated to be approximately 10 months after the contracts are in place for construction. Of this time, six (6) months are allotted for equipment and material lead time, and four (4) months for actual construction duration.

TABLE 2
Niagara Falls Water Board
AECOM - Cost Proposal Summary Form

Sodium Hypochlorite Storage Tank, Secondary Containment, and Backwash Sodium Hypochlorite Pumps, Piping, and Controls

Item	Labor Hours						Other Direct Costs (Vehicle Mileage, Printing, Supplies, Subcontractor Markup, Shipping,) All at COST plus 5%	Total Cost (Labor + ODCs)
	QA/QC	Project Manager	Senior Project Engineer I	Project Engineer	CAD	Total		
	Cost per Hour-> \$250	\$168	\$219	\$93	\$82			
Task 1 – Design Phase Services								
Prepare Design Documents	4	16	116	96	220	452	\$200	\$56,336
Subtotal Hours	4	16	116	96	220	452		
Subtotal Cost	\$998	\$2,690	\$25,417	\$8,970	\$18,060	\$56,136	\$200	\$56,336
Task 2 – Construction Phase Services								
Bid Phase Assistance	0	4	16	8	0	28	\$0	\$4,926
Construction Inspection	0	8	40	158	0	206	\$500	\$25,373
Construction Administration (shop drawing review, respond to questions, pay applications, etc.)	0	16	16	40	40	112	\$0	\$13,217
Subtotal Hours	0	28	72	206	40	346		
Subtotal Cost	\$0	\$4,707	\$15,776	\$19,249	\$3,284	\$43,016	\$500	\$43,516
TOTAL HOURS	4	44	188	302	260	798		
TOTAL COST	\$ 998	\$ 7,397	\$ 41,193	\$ 28,219	\$ 21,344	\$ 99,152	\$700	\$99,852