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## **AGENDA**

### **Working Session of the Niagara Falls Water Board July 18, 2022 at 5:00 p.m.**

**NOTE: Meeting to be held at Wastewater Treatment Plant Conference Room  
1201 Buffalo Avenue, Niagara Falls, NY 14304**

**\*\*\*Meeting may be attended in person or via conference call --  
visit NFWB.org for call-in 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**

##### **c. Presentations (none scheduled)**





**8. Finance – Brian Majchrowicz**

- a. Status of Shut-Off Program**
- b. Revenue Budget Performance Report through June 30**
- b. Sewer Fund Expense Budget Performance Report through June 30**
- c. Water Fund Expense Budget Performance Report through June 30**
- d. Board Fund Expense Budget Performance Report through June 30**
- e. Key Bank and Bank on Buffalo Balance Report**
- f. Wilmington Trust Balance Report**
- g. Treasury Account Balance Report**
- h. Budget Amendments Report**
- i. June 2022 Capital Payments**

**9. Questions Regarding June 2022 Operations and Maintenance Report**

**10. Safety – David San Lorenzo**

**11. General Counsel and Secretary – Sean Costello**

- a. NYPA Distributed Energy Resources Advisory Services – Information and Early Site Concepts**
- b. June 14, 2022 Risk Management Plan (“RMP”) Program Inspection at WTP**

**12. From the Chairman**

**13. Resolutions**

**2022-07-001 – AWARD OF BID FOR WATER AND SEWER CONSTRUCTION AND REPAIR MATERIALS**

- a. City Purchasing Award Recommendation and Bid Tally**

**2022-07-002 – GORGE PUMPING STATION HIGH-VOLTAGE EQUIPMENT PREVENTATIVE MAINTENANCE**

- a. Ferguson Electric Proposal dated June 29, 2022**

**2022-07-003 – PASSENGER VEHICLE FLEET ADJUSTMENT**

**2022-07-004 – AUTHORIZING NYS WATER INFRASTRUCTURE IMPROVEMENT ACT GRANT APPLICATION, OBLIGATING LOCAL MATCHING FUNDS, DECLARING INTENT TO SERVE AS SEQR LEAD AGENCY, AND SEQR TYPE DETERMINATIONS – WATER PROJECTS**

**2022-07-005 – AUTHORIZING NYS WATER INFRASTRUCTURE IMPROVEMENT ACT GRANT APPLICATION, OBLIGATING LOCAL MATCHING FUNDS, DECLARING INTENT TO SERVE AS SEQR LEAD AGENCY, AND SEQR TYPE II DETERMINATION – WASTEWATER PROJECTS**

**2022-07-006 – WWTP PROJECT NO. 7, CHANGE ORDER FOR DUCT CLEANING**  
**a. Danforth Duct Cleaning Proposal dated July 11, 2022**

**2022-07-007 – WWTP PROJECT NO. 11, CHANGE ORDERS FOR CONCRETE INTERFERENCE**  
**a. CPL Memorandum Regarding Project 11 Concrete Interference Change Orders**  
**b. Danforth Change Order Proposal dated July 11, 2022**  
**c. JM Davidson Engineers Change Order Proposal dated July 12, 2022**  
**d. Project 11 Change Order Plan**

**2022-07-008 – ZERO COST CHANGE ORDER FOR SCOPE ADJUSTMENT – WWTP INTERMEDIATE PUMP ASSESSMENT PROJECT**  
**a. GHD Proposal for Revised Scope of Work**

#### **14. Unfinished/Old Business**

##### **1) Board Room WTP:**

- 3/11/22: Both contracts were executed for Electric (CIR) and Piping (Danforth). A meeting will be scheduled for 3/17 with contractors.
- 4/13/22: Danforth work complete. CIR work to be scheduled by end of month. Next steps include relocation of fiber optic line and completing wall demolition.
- 7/14/22: CIR work complete and fiber optic line relocated. Waiting on fabrication of desk.

## **2) WWTP Sodium Hypochlorite Tank Replacement**

- 3/11/22: Cost estimate from Belding Tank Technologies of \$73,300 plus \$5,000 freight for a 14,000-gallon tank. We will likely need to put drawings and specifications together to get a complete bid price. Doug is working on the bid.
- A draft RFP has been completed that includes drawings and specifications for the sodium hypochlorite tank #216 replacement. Possibility of including the replacement of ferric chloride tanks #214 and #215 in the RFP. Waiting to hear back from EFC on the grant application that was submitted in November of 2021 for this work.
- 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.

## **3) Basin 5 - Completion Date**

- 7/14/2022: The contractor will turn Basin No. 5 over to NFWB staff on July 18, 2022. Work is complete other than SCADA integration.

## **4) WWTP Brick Repair Work & Enclosure of Balcony**

- 3/11/22: Scope of work being developed and quotes will be obtained.
- 4/13/22: Bricklayers on site, work underway, meeting with canvas installer by end of April for screening in of balcony.
- 7/14/22: It was decided to complete work in house without canvas. Structure is complete. Removable screens are being fabricated. Bricklayer and Glazers have completed work in this area. Air conditioner that no longer is needed and infringed on area has been removed

## **5) WTP Carbon Tank and Chemical Offload Area Recoating**

- 7/14/22: Carbon tank 90% repainted; sandblasting of old containment area coating scheduled for next week.

## **6) Whitney Ave. Water Main Replacement**

- 3/11/22: Previously, CPL put this project on hold to focus on the 18th Street Watermain project. However, they plan to survey Whitney Avenue and start working on the design again.
- 4/14/22: Whitney Avenue survey has been completed and CPL is currently finalizing the documents for submission to DOH.
- 7/14/22: 4<sup>th</sup> Generation was awarded bid at June Board meeting. At this time, there is a 30-week lead time for material delivery.

**7) WTP Perimeter Fence Replacement Update**

- 3/11/22: Contractor quotes previously obtained, but waiting on results of grant application submitted at end of November 2021.
- 4/13/22: Quotes obtained for brush hog needed to facilitate performing work in-house.
- 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.

**8) Paychex Payroll System Update**

- 3/17/22: All information requested has been sent to Paychex. Waiting on Paychex to finish setting our system up. Per Paychex status meeting on 3/17 - 'Status of Project – 29% complete, first payroll tentatively slated to process 3/22 with a check date of 3/25'
- 4/14/22: In the process of completing a mock payroll to coincide with our previous one to make sure numbers are accurate. Timeclocks are currently being programmed and we will start testing a sample of employees with the new clocks. Continuing training.

**9) Advanced Metering Infrastructure Update**

- 3/10/22: Dave Johnson (Neptune) email update in 3/21 work session packet.
- 4/14/22: April 7, 2022 update from Neptune is in the 4/18 work session packet.

**15. New Business & Additional Items for Discussion**

**16. Executive Session: Anticipated motion to enter into executive session for the purpose of considering matters leading to the appointment, employment, promotion, demotion, or removal of a particular person (Public Officers Law § 105(f)).**

**17. Adjournment of Meeting**

# WASTEWATER SURVEILLANCE UPDATE

DASHBOARD | WEBSITE

**DATE:** July 5<sup>th</sup>, 2022

**TO:** Niagara County Health Department, Niagara Falls 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

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Wastewater samples collected on June 29<sup>th</sup>, 2022 had quantifiable levels of SARS-CoV-2 RNA in the following wastewater treatment plant catchment indicating community-level transmission:

- City of Niagara Falls

The trend in SARS-CoV-2 over the past two weeks is increasing in the following catchment:

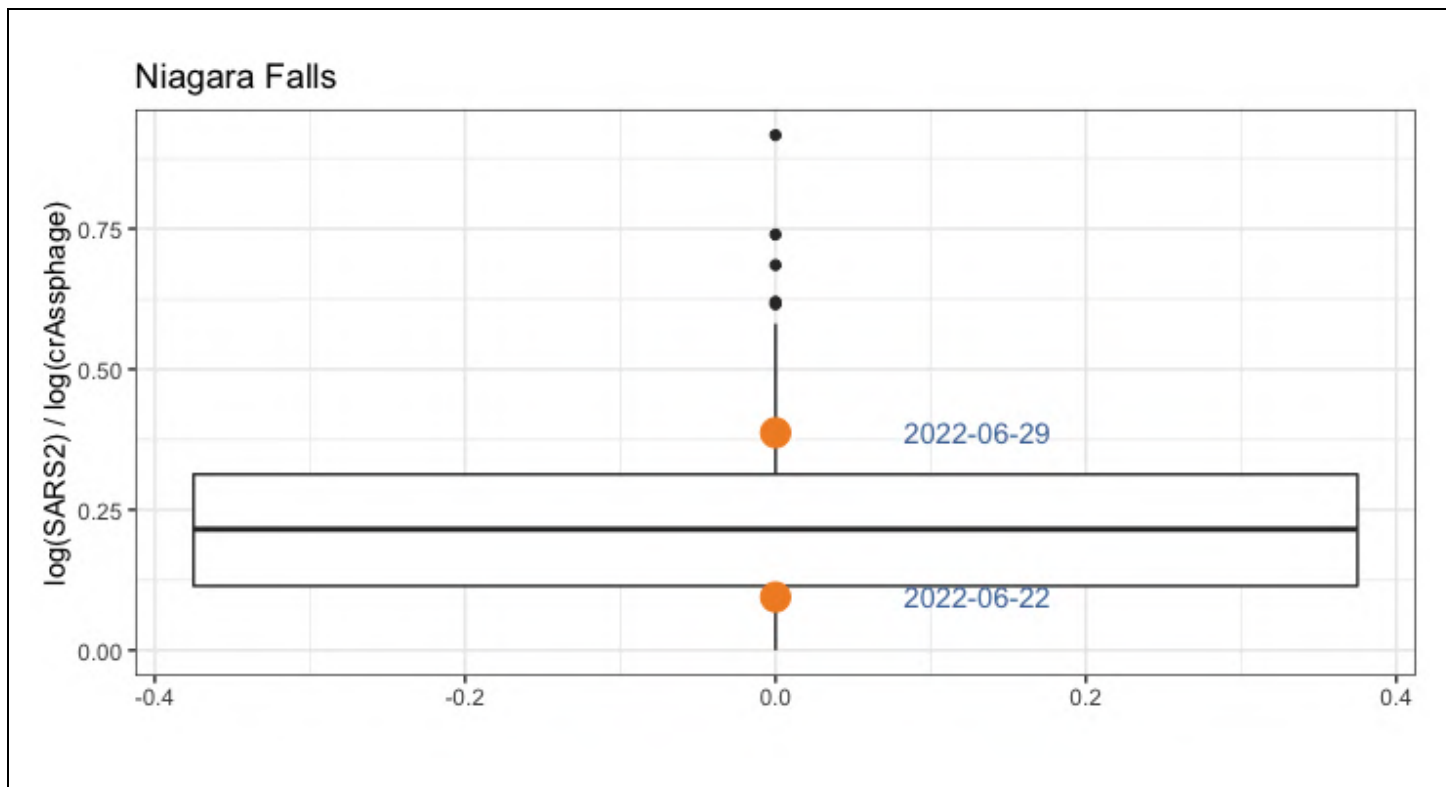
- City of Niagara Falls

Compared to levels found across New York State's average, levels of SARS-CoV-2 are elevated for the following catchment:

- City of Niagara Falls

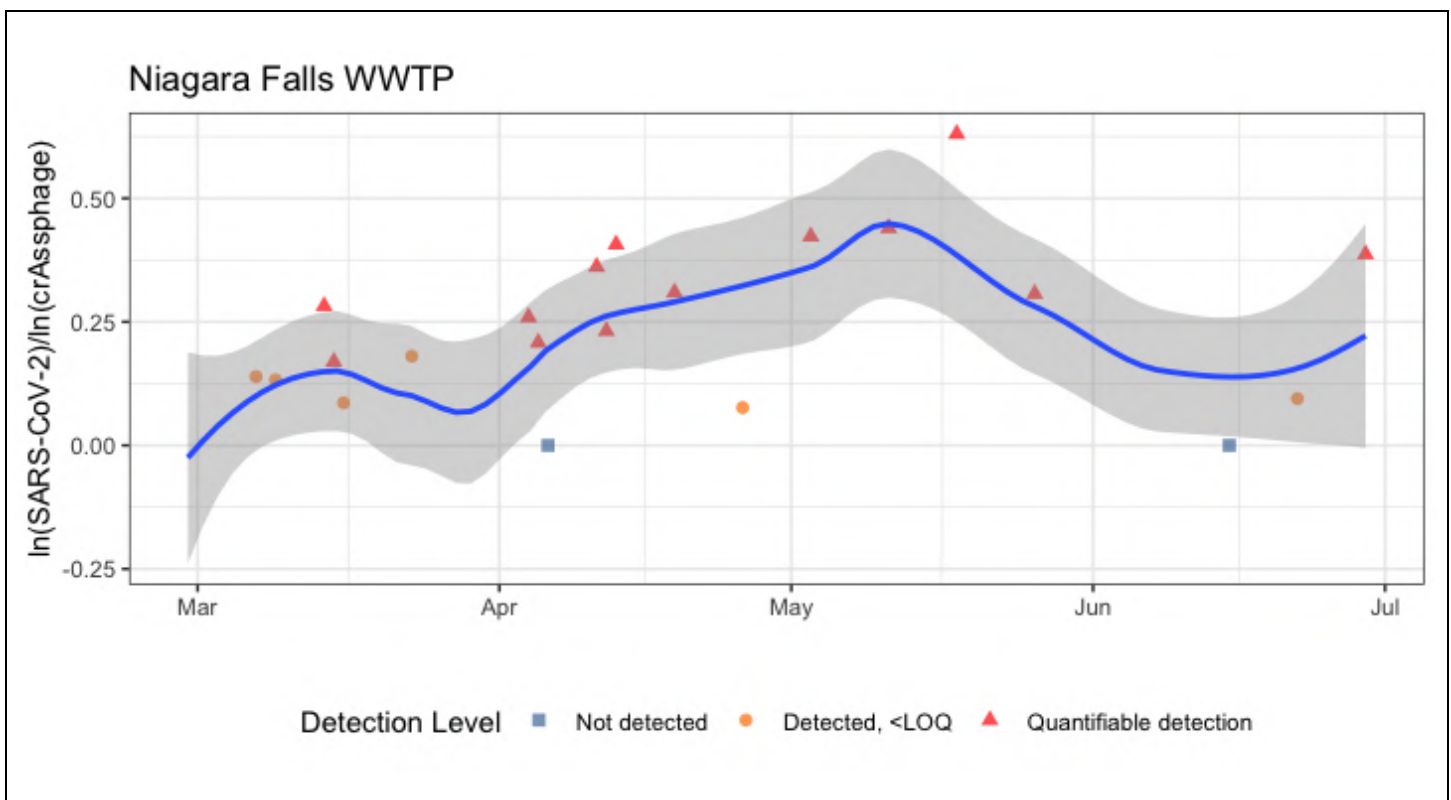
Attached with this memo are several figures that you may find useful.

If you have any questions, please contact  
Lydia Bennett | [lbennett@cdcfoundation.org](mailto:lbennett@cdcfoundation.org)



**Figure 1:**  
**Observed levels of SARS-CoV-2 intensity at the City of Niagara Falls influent compared to NYS values.**

Orange points represent the SARS-CoV-2 intensity of samples taken at the influent over the last two weeks. 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,  $\ln(\text{SARS-CoV-2})/\ln(\text{crAssphage})$ , to give overall intensity. The most recent sample reveals greater intensity at the influent in Niagara County, as opposed to the rest of the state.



**Figure 2:**  
**SARS-CoV-2 intensity over time at the City of Niagara Falls influent.**

A smoothed trend line (blue), uncertainty (gray), and wastewater samples (dots) 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,  $\ln(\text{SARS-CoV-2})/\ln(\text{crAssphage})$ , to give overall intensity. The recent trend from the influent is increasing.

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

- Not detected: <10 cases per 100,000
- Detected, <LOQ: 10-50 cases per 100,000
- Quantifiable detection: >50 cases per 100,000

Over the past two weeks, the population served by the City of Niagara Falls 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 quantifiable detection, suggesting daily case incidence of greater than 50 cases per 100,000.



## MINUTES

### **Business Meeting of the Niagara Falls Water Board June 27, 2022 at 5:00 p.m.**

Notes: Pursuant to public notice, this meeting was conducted at 1201 Buffalo Avenue, Niagara Falls, New York. The meeting could be attended in-person or via conference call pursuant to Chapter 417 of the Laws of 2021, as modified by Chapter 1 of the Laws of 2022 and pursuant to the continuation of the State Disaster Emergency Pursuant to Governor Hochul's Executive Order No. 11.

#### **1. Preliminary Matters**

*Chairman Forster called the meeting to order at 5:02 p.m.*

##### **a. Attendance:**

Asklar (Board Member/Chairman of Finance/Member Exec. Staff Review Cmte.) *Present at 5:08 p.m.*

Forster (Chairman) *Present*

Kimble (Board Member) *Present via Conference Call*

Larkin (Board Member/Vice Chairwoman/Governance Chairwoman/  
Chairwoman Exec. Staff Review Cmte.) *Present via Conference Call until 5:08 p.m.*

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

##### **b. Comments from Chairman Forster**

*Chairman Forster requested a motion to take the agenda out of order to consider Agenda Item 6(a), the Personnel Actions sheet, as Board Member Larkin, Chairperson of the Executive Staff Review Committee, is unable to stay for the whole meeting due to a family illness but spent a great deal of time working on the search for a new Director of Administrative Services.*



*Motion by Board Member Leffler and seconded by Board Member Larkin to consider Agenda Item 6(a).*

*Asklar \_\_A\_\_ Forster \_\_Y\_\_ Kimble \_\_Y\_\_ Larkin \_\_Y\_\_ Leffler \_\_Y\_\_*

*Motion carried, 4-0.*

*Motion by Board Member Larkin and seconded by Board Member Leffler to approve Personnel Action Sheet Item A1, hiring of David San Lorenzo as Director of Administrative Services.*

*Asklar \_\_A\_\_ Forster \_\_Y\_\_ Kimble \_\_N\_\_ Larkin \_\_Y\_\_ Leffler \_\_Y\_\_*

*Motion carried, 3-1.*

*Chairman Forster noted that the hiring process has been underway since January or February, and it took a lot of time, particularly by Board Member Larkin, to narrow the search down to three very good candidates. He then invited Mr. San Lorenzo to take a seat at the table alongside other Water Board executive staff.*

*Chairman Forster noted that for his comments, there are continuing issues related to the ongoing Gorge Pumping Station pump replacement project, valued at over \$4 million. He hopes Ted Donner from CPL will be able to talk about these issues, as the Water Board currently is incurring a lot of overtime associated with this issue.*

**c. Presentations**

**i. Upstate Strategic Advisors (Sam Hoyt) Regarding Status of Infrastructure Act Lobbying Effort**

*Sam Hoyt described the work his Firm has been doing with CPL and the Water Board team, Dr. Zehraoui, Sean Costello, and Chairman Forster. The goal is complete modernization of the WWTP facility.*

*He explained that as a member of the State Assembly and having worked for former Governor Cuomo for seven years, his involvement with the WWTP actually dates to 2017 when he was working for the Governor and on the State's response to the July 29, 2017 discharge from the WWTP. He is the one who pointed out to the Governor that \$20 million recently had become available from another project and suggested that those funds should be directed to the WWTP, so he is happy to have been involved in that first phase of funding.*

*The big task now is to get a quarter-billion dollars. Eight or nine months ago, Mr. Hoyt had thought it was a good time for the Water Board to try for those funds as bills resulting in \$1.2 for public infrastructure were in progress. Chairman Forster suggested he work with CPL to develop a plan.*

*An aggressive campaign of introducing the Board and Authority to Federal and State representatives ensued with the Board's funding, including one-on-one meetings with senior staff from the offices of both U.S. Senators, multiple meetings with Congressman Higgins and staff, dozens of meetings with WNY State representatives and their staff, including Assemblyman Morinello and Senator Ortt, a presentation to the entire WNY State legislative delegation, County legislators, and a robust effort to engage with other community stakeholders. This has included a ceremonial meeting between Niagara Falls NY Mayor Restaino and NF Ontario Mayor Diodate on the Rainbow Bridge, meetings with Labor Unions, Chambers of Commerce, and others. Recently, the WWTP hosted DEC Commissioner Basil Seggos, who said he was very impressed, and meetings have been held with EFC senior leadership, and importantly, there also has been regular communication with Governor Hochul's office and local representative.*

*To use a football analogy, he feels the ball has been driven well downfield and it is time to cross the goal line. Given that it is an election year, he feels there is a good chance that one of the Governor's announcements in coming months will be funding, though it is not likely all needed funds will be awarded at once.*

*There is a \$4.2 billion bond act on the ballot this November, which would be money available over the next 3-5 years, and this as well as other State and Federal funds might be the source of the appropriations ultimately needed. Given the importance of the project both regionally and internationally, he thinks we will succeed.*

*The next steps are to keep pressure on politicians, and to invite the EFC Director to meet with us like DEC Commissioner Seggos has done.*

*Board Member Asklar inquired what Mr. Hoyt thinks the first round of funding might equal. Mr. Hoyt feels, based on recent media releases regarding other projects in the State, that there could be \$50 to \$100 million awarded to move the project forward.*

**d. Letters and Communications**

**i. 2022-05-09 – COVID Wastewater Surveillance Update Memorandum**

- e. 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).**

*None.*

**f. Prior Meeting Minutes**

**i. Draft May 23, 2022 Meeting Minutes**

*Motion by Board Member Leffler and seconded by Board Member Kimble to approve the May 23, 2022 Meeting Minutes.*

*Asklar \_\_Y\_\_ Forster \_\_Y\_\_ Kimble \_\_Y\_\_ Larkin \_\_A\_\_ Leffler \_\_Y\_\_*

*Motion carried, 4-0.*

**ii. Draft June 13, 2022 Special Meeting Minutes**

*Motion by Board Member Asklar and seconded by Board Member Leffler to approve the June 13, 2022 Special Meeting Minutes.*

*Asklar \_\_Y\_\_ Forster \_\_Y\_\_ Kimble \_\_Y\_\_ Larkin \_\_A\_\_ Leffler \_\_Y\_\_*

*Motion carried, 4-0.*

**2. Executive Director – Dr. Abderrahman Zehraoui**

- a. WWTP Project Budget Tracker (CPL)**
- b. WWTP Construction Schedule Tracker (CPL)**
- c. WWTP Capital Project Update (CPL)**

*Ted Donner from CPL reviewed the Project Budget Tracker. Issues related to Project 2, at the Gorge Pumping Station, have been related to controls. Plant IQ, subcontractor to CIR, is responsible for controls. We will continue meetings and withhold payment for control work until working controls are furnished. The controls need to be automatic so the NFWB no longer has to man the GPS.*

*Chairman Forster questioned whether there may be other issues, such as a pump bearing. Mr. Donner noted that could be the case but that the NFWB will not take ownership of the pumps from the contractor until all issues are resolved.*

*Chairman Forster asked about Project 1. It appears that July 11 is the projected date for Sedimentation Basin 5 to be back in service. Jay Meyers from CPL confirmed that is the case, the contractor has been working weekends to make up for lost days.*

### **3. Outside Infrastructure Updates – Michael Eagler**

- a. Sewer Collapse -11<sup>th</sup> & Cleveland – Impact on City Paving**
- b. Bid Needed for Repair of a 10-inch Sewer Main, 16 Feet Deep, Located 20 Feet East of 83<sup>rd</sup> and Lindbergh Intersection**

*Mr. Eagler noted that a large leak in the Deveau area has been located and repaired, and turned over to the State for paving. The good news is that in making this repair a closed valve on Delaware and Lafayette was found, associated with eight- and ten-inch mains, and there are indications that opening these valves increased pressure in the area as much as 10 PSI.*

*Outside crews have cameraed over 7,000 feet of sewer mains in LaSalle for the Consent Order, and inspected 629 laterals and 89 manholes.*

*The Meter Shop has tested 18 large meters already this year, compared with 22 all of 2021. A new program has been implemented. Only one meter was found out of calibration.*

*Mr. Eagler noted that the camera truck revealed that the top of a 10” main at 16-feet depth is collapsed, in the area of 83<sup>rd</sup> and Lindberg. City Engineering will put this repair out to bid. There also is a known issue with a 16” sewer main on Cleveland Avenue that is 14-15 feet deep. It has very low flow but the area to be repaired exceeds 200 feet and that section will need to be put out to bid. Water Board crews will repair a smaller section of about 16 feet.*

### **4. Maintenance – Joseph Argona**

*Mr. Argona noted that the WTP is dealing with high seaweed levels, requiring the buckets into which it is screened to be dumped every four hours. An electrical failure over the weekend disabled the hoist used for that process, but Ferguson Electric was called and repaired the issue. The screen room at the WWTP is underway, and then the carpenters will be moving to the WTP to work on the conference room desk. Mr. Argona would like to have the conference room project done by July 29, and is working on ordering speakers, microphones, cameras, chairs, TVs, and carpet.*

### **5. Engineering – Douglas Williamson**

*Mr. Williamson is working with CPL on materials related to grant applications and there will be resolutions for this at the July meeting.*

## **6. Personnel Items – John Accardo**

### **a. June 27, 2022 Personnel Actions Report**

*Having approved Personnel Action item A1 earlier in the meeting, there was a motion by Board Member Asklar and seconded by Board Member Leffler to approve items A2 (MW2) and A3 (WWTP Lab Director).*

*Asklar \_\_Y\_\_ Forster \_\_Y\_\_ Kimble \_\_Y\_\_ Larkin \_\_A\_\_ Leffler \_\_Y\_\_*

*Motion carried, 4-0.*

## **7. Information Technology (IT) – Dr. Abderrahman Zehraoui**

*IT has been updating the servers and a new Sophos firewall will be live by July 1. When these upgrades are complete, we will have a cyber vulnerability assessment.*

## **8. Finance – Brian Majchrowicz**

- a. Revenue Budget Performance Report through May 31**
- b. Sewer Fund Expense Budget Performance Report through May 31**
- c. Water Fund Expense Budget Performance Report through May 31**
- d. Board Fund Expense Budget Performance Report through May 31**
- e. Key Bank and Bank on Buffalo Balance Report**
- f. Wilmington Trust Balance Report**
- g. Treasury Account Balance Report**
- h. Budget Amendments Report**
- i. May 2022 Capital Payments**
- j. Payroll, Hypochlorite, Sludge, Ferric, and SIU Revenue Status Charts**

*Mr. Majchrowicz noted that there is progress on implementing Paychex, regular payroll processing is going well, and manager training went well. We hope to go live with timecards for the next pay period.*

*Mr. Majchrowicz has begun work on the 2023 budget and met with rate consultant Drescher & Malecki to begin the process.*

*Chairman Forster reviewed the budget status and noted several favorable areas.*

## **9. Questions Regarding May 2022 Operations and Maintenance Report**

*Chairman Forster requested more updates to the Industrial Monitoring section of the O&M report for the next meeting, including removal of old material and an update on Cascades.*

**10. Safety – John Accardo**

*Mr. Accardo reports that on June 15 PERMA completed a very thorough safety inspection at the water treatment plant, and they will return in July for the WWTP.*

**11. General Counsel and Secretary – Sean Costello**

**12. From the Chairman**

**13. Resolutions**

**2022-06-001 – AWARD BID FOR 18TH STREET WATER MAIN REPLACEMENT**

**a. CPL Award Recommendation Letter and Bid Tabulation**

*Motion by Board Member Leffler and seconded by Board Member Asklar to approve Resolution 2022-06-001.*

*Asklar \_\_Y\_\_ Forster \_\_Y\_\_ Kimble \_\_Y\_\_ Larkin \_\_A\_\_ Leffler \_\_Y\_\_*

*Motion carried, 4-0.*

*Chairman Forster noted that he has been asking for progress on this project since 2018.*

**2022-06-002 – FUNDS FOR RELOCATION OF WWTP ADMINISTRATION BUILDING CHILLER**

**a. Mollenberg-Betz Quote No. HJ2022-73**

*Motion by Board Member Asklar and seconded by Board Member Leffler to approve Resolution 2022-06-002.*

*Asklar \_\_Y\_\_ Forster \_\_Y\_\_ Kimble \_\_Y\_\_ Larkin \_\_A\_\_ Leffler \_\_Y\_\_*

*Motion carried, 4-0.*

**2022-06-003 – FUNDS FOR WTP CHLORINE BOOSTER PUMP PIPING**

**a. Mollenberg-Betz Quote No. HJ2022-71**

*Motion by Board Member Kimble and seconded by Board Member Asklar to approve Resolution 2022-06-003.*

*Asklar \_\_Y\_\_ Forster \_\_Y\_\_ Kimble \_\_Y\_\_ Larkin \_\_A\_\_ Leffler \_\_Y\_\_*

*Motion carried, 4-0.*

**2022-06-004 – EXTENSION OF CPL GRANT WRITING AGREEMENT**

**a. CPL Proposal Dated June 7, 2022**

*Motion by Board Member Asklar and seconded by Board Member Leffler to approve Resolution 2022-06-004.*

*Asklar \_\_Y\_\_ Forster \_\_Y\_\_ Kimble \_\_Y\_\_ Larkin \_\_A\_\_ Leffler \_\_Y\_\_*

*Motion carried, 4-0.*

**2022-06-005 – WWTP PROJECT NO. 5 TRANSFORMER REPLACEMENT**

**a. Ferguson Electric Proposal No. PD23467**

*Motion by Board Member Asklar and seconded by Board Member Kimble to approve Resolution 2022-06-005.*

*Asklar \_\_Y\_\_ Forster \_\_Y\_\_ Kimble \_\_Y\_\_ Larkin \_\_A\_\_ Leffler \_\_Y\_\_*

*Motion carried, 4-0.*

**2022-06-006 – EXERCISING OPTION FOR BONADIO & CO. TO PERFORM 2022 AUDIT**

**a. Bonadio & Co. Proposal**

*Motion by Board Member Leffler and seconded by Board Member Asklar to approve Resolution 2022-06-006.*

*Asklar \_\_Y\_\_ Forster \_\_Y\_\_ Kimble \_\_Y\_\_ Larkin \_\_A\_\_ Leffler \_\_Y\_\_*

*Motion carried, 4-0.*

**2022-06-007 – AUTHORIZING SETTLEMENT OF REYNOLDS CLAIM**

**a. Notice of Claim dated April 18, 2022**

*Motion by Board Member Leffler and seconded by Board Member Asklar to approve Resolution 2022-06-007.*

*Asklar \_\_Y\_\_ Forster \_\_Y\_\_ Kimble \_\_Y\_\_ Larkin \_\_A\_\_ Leffler \_\_Y\_\_*

*Motion carried, 4-0.*



## **2022-06-008 – OPERATOR TRAINEE LICENSURE INCENTIVE PROGRAM**

### **a. Draft WWTP Operator Trainee Licensure Incentive Program**

*Motion by Board Member Asklar and seconded by Board Member Kimble to approve Resolution 2022-06-008.*

*Asklar \_\_Y\_\_ Forster \_\_Y\_\_ Kimble \_\_Y\_\_ Larkin \_\_A\_\_ Leffler \_\_Y\_\_*

*Motion carried, 4-0.*

*Chairman Forster commended Mr. Costello for working with the Union to develop a solution to this problem that provides our Operator Trainees with a modest increase and us with better-educated operators.*

## **2022-06-009 – CPL BIOLOGICAL CONVERSION SUPPORT**

### **a. CPL Proposal Dated June 1, 2022**

*Motion by Board Member Asklar and seconded by Board Member Leffler to approve Resolution 2022-06-009.*

*Asklar \_\_Y\_\_ Forster \_\_Y\_\_ Kimble \_\_Y\_\_ Larkin \_\_A\_\_ Leffler \_\_Y\_\_*

*Motion carried, 4-0.*

## **14. Unfinished/Old Business**

*Chairman Forster requested Dr. Zehraoui to update these items prior to the next meeting.*

### **1) Board Room WTP:**

- 3/11/22: Both contracts were executed for Electric (CIR) and Piping (Danforth). A meeting will be scheduled for 3/17 with contractors.
- 4/13/22: Danforth work complete. CIR work to be scheduled by end of month. Next steps include relocation of fiber optic line and completing wall demolition.

### **2) WWTP Sodium Hypochlorite Tank Replacement**

- 3/11/22: We need to put out an RFP for the tank replacement work due to the costs. Cost estimate from Belding Tank Technologies of \$73,300 plus \$5,000 freight for a 14,000-gallon tank. We will likely need to put drawings and specifications together to get a complete bid price. Doug is working on the bid.
- A draft RFP has been completed that includes drawings and specifications for the sodium hypochlorite tank #216 replacement. Possibility of including the replacement of ferric chloride tanks #214 and #215 in the RFP. Waiting to



hear back from EFC on the grant application that was submitted in November of 2021 for this work.

**3) Basin 5 - Completion Date**

- 3/11/22: Basin 5 completion date is still dependent on when the gear box is delivered.

**4) WWTP Brick Repair Work & Enclosure of Balcony**

- 3/11/22: Scope of work being developed and quotes will be obtained.
- 4/13/22: Bricklayers on site, work underway, meeting with canvas installer by end of April for screening in of balcony.

**5) Whitney Ave. Water Main Replacement**

- 3/11/22: Previously, CPL put this project on hold to focus on the 18th Street Watermain project. However, they plan to survey Whitney Avenue and start working on the design again.
- 4/14/22: Whitney Avenue survey has been completed and CPL is currently finalizing the documents for submission to DOH.

**6) WTP Perimeter Fence Replacement Update**

- 3/11/22: Contractor quotes previously obtained, but waiting on results of grant application submitted at end of November 2021.
- 4/13/22: Quotes obtained for brush hog needed to facilitate performing work in-house.

**7) Paychex Payroll System Update**

- 3/17/22: All information requested has been sent to Paychex. Waiting on Paychex to finish setting our system up. Per Paychex status meeting on 3/17 - 'Status of Project – 29% complete, first payroll tentatively slated to process 3/22 with a check date of 3/25'
- 4/14/22: In the process of completing a mock payroll to coincide with our previous one to make sure numbers are accurate. Timeclocks are currently being programmed and we will start testing a sample of employees with the new clocks. Continuing training.

**8) Advanced Metering Infrastructure Update**

- 3/10/22: Dave Johnson (Neptune) email update in 3/21 work session packet.
- 4/14/22: April 7, 2022 update from Neptune is in the 4/18 work session packet.

**9) Verifying Ownership Prior to Opening Water Account**

- 3/28/22: Board Members Asklar and Larkin raised question regarding squatters possibly having water service turned on; will seek more details on specific address.

## 15. New Business & Additional Items for Discussion

*Board Member Asklar requested an update on hydrants – are any out of service? Mr. Eagler stated that one hydrant had out of service at the corner of Pine and Main with repairs delayed due to many other utility conflicts, but repairs are complete and at the present time there are zero hydrants out of service. 145 hydrants have been tested so far this year. Any hydrant out of service is replaced, and older hydrants continue to be replaced when manpower is available as preventative maintenance.*

## 16. Executive Session (if needed)

*None.*

## 17. Adjournment of Meeting

*Motion by Board Member Leffler and seconded by Board Member Asklar to adjourn the meeting at 6:11 p.m.*

*Asklar \_\_Y\_\_ Forster \_\_Y\_\_ Kimble \_\_Y\_\_ Larkin \_\_A\_\_ Leffler \_\_Y\_\_*

*Motion carried, 4-0.*



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

Last Updated: 7/13/2022

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	98%	Basin #5 is available for service work continues on Basin #4.
			CA (CPL - Approved)	\$97,500	69%	
			CI (CPL & Subcontractor - Approved)	\$357,500	36%	
			GEN Construction (Hohl - Per Bid - Approved)	\$7,878,353	41%	
			ELEC Construction (CIR - Per Bid - Approved)	\$894,100	57%	
			Project Total	\$9,636,453	45%	
			Remaining Budget	\$753,547		
2	GPS	\$4,100,000	Design and Bidding (GHD - Approved)	\$218,800	100%	Pumps #1 and #2 currently up and running. Work has moved to Pump #3 replacement.
			CA (GHD - Approved)	\$158,430	78%	
			CI (GHD Subcontractor - Approved)	\$156,800	59%	
			GEN Construction (STC - Per Bid - Approved)	\$2,653,000	68%	
			ELEC Construction (CIR - Per Bid - Approved)	\$418,300	83%	
			HVAC Construction (Danforth - Per Bid - Approved)	\$864,400	85%	
			Project Total	\$4,469,730	75%	
3	Screens and Grit Transportation Equipment Improvements	\$1,920,000	Design and Bidding (Arcadis - Approved)	\$166,786	100%	The first two dry polymer systems are installed and ready to startup. Waiting on equipment manufacturer to perform startup and training.
			CA (Arcadis - Approved)	\$128,849	88%	
			CI (Arcadis Subconsultant - Approved)	\$88,899	27%	
			GEN Construction (Hohl - Per Bid - Approved)	\$1,527,000	70%	
			ELEC Construction (CIR - Per Bid - Approved)	\$140,800	81%	
			Project Total	\$2,052,334	72%	
			Remaining Budget	(\$132,334)		
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%	Ferguson proceeding with transformer submittals and purchase of replacement transformer equipment. CPL Coordinating work.
			Phase 2 Design - Approved	\$198,941	93%	
			CA/CI/TBD - Approved	\$65,374	0%	
			Const. - Per original project Budget (EI Team Estimates \$6M)	\$2,064,555	0%	
			Task 1 Construction - Ferguson - Approved	\$179,010	100%	
			Project Total	\$2,610,000	18%	
			Remaining Budget	\$0		

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	100%	
			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, Bidding, and CA/CI (E.I. Team - Approved)	\$111,800	100%	Currently in construction. EI Team is providing part time inspection per their CA/CI contract.
			CA/ CI (EI Team - Approved)	\$28,520	11%	
			ELEC Construction (CIR - Per Bid - Approved)	\$177,363	0%	
			HVAC Construction (Danforth - Per Bid - Approved)	\$782,000	0%	
			Running Total	\$1,099,683	10%	
			Remaining Budget	\$60,317		
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	100%	Construction Complete.
			Design, Bidding, and CA/CI (JMD - Approved)	\$63,480	55%	
			Construction - (MLP - Per Bid - Approved)	\$428,300	71%	
			Running Total	\$551,550	17%	
			Remaining Budget	(\$88,450)		
10	SCADA Improvements	\$455,000	Phase 1 Design/ Construction/Kaman - Approved	\$352,450	61%	Kaman continues SCADA integration work with Capital Project contractors.
			Phase 2 Design/ Construction - Approved (For Project #6)	\$146,200		
			Running Total	\$498,650	61%	
			Remaining Budget	(\$43,650)		
Phase 1 Budget Total = \$27,000,000			Anticipated Total Cost (Percentage of Total Budget)	\$24,979,132	Remaining Ph. Budget	\$2,020,868

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

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	57%	Sludge piping change order for approval.
			Const. (Danforth - Per Bid - Approved)	\$169,000	0%	
			Running Total	\$184,890	5%	
			Remaining Budget	\$40,110		
11B	Hypo and Sludge Improvements	\$975,000	11B Design, Bidding, and CA/CI (JMD - Approved)	\$52,965	53%	Complete
			Const. (Danforth - Per Bid - Approved)	\$457,800	0%	
			Running Total	\$510,765	6%	
			Remaining Budget	\$464,235		
12	Intermediate Pumps Upgrades	\$3,075,000	Intermediate Pump Assessment (GHD - Approved)	\$21,716	0%	Project on hold.
			Running Total	\$21,716	0%	
			Remaining Budget	\$3,053,284		
Ph. 2 Budget = \$13,000,000			Phase 2 Running Total	\$4,370,055		
*Updated to reflect full available Phase 2 Budget, grant not yet approved			Phase 2 Remaining Budget	\$8,629,945		

## NFWB CAPITAL IMPROVEMENT PROJECTS

Task Description	Plan Start	Plan End	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	
Project #1: Sed. Basin Upgrades (CPL) - CA/CI Approved (10-26-20)																																							
Design and Bidding	5/22/2019	10/1/2020																																					
Mobilization	11/1/2020	2/1/2021																																					
Construction (Phase 1)	3/1/2021	6/30/2022																																					
Construction (Phase 2)	7/1/2022	2/3/2023																																					
Construction (Phase 3)	3/1/2023	2/3/2024																																					
Construction (Phase 4)	3/1/2024	11/30/2024																																					
Project #2 GPS Rehab (GHD) - CA/CI Services Approved (12-16-19)																																							
Design and Bidding	6/3/2019	6/27/2020																																					
Construction	7/1/2020	11/1/2022																																					
Project #3 Polymer and Grit (Arcadis) - CA/CI Approved (10-26-20)																																							
Design and Bidding	5/30/2019	10/1/2020																																					
Construction	11/1/2020	11/1/2022																																					
Project #4 Carbon (AECOM) - CA/CI Approved (11-25-19)																																							
Design and Bidding	5/22/2019	2/22/2020																																					
Construction	3/1/2020	9/1/2020																																					
Project #5 Electrical System Improvements (EI Team) - CA/CI Services Approved (9-28-20)																																							
Design and Bidding	4/25/2019	2/1/2022																																					
Construction	3/1/2022	5/1/2023																																					
Project #6 Effluent Disinfection (AECOM) - CA Services (Approved Previously)																																							
Design and Bidding	6/25/2019	2/1/2020																																					
Construction	3/1/2020	4/1/2021																																					

## NFWB Financial Award Summary



**Last Updated: 7/11/22**

Note: Changes from last summary are in red text

Description	Amount	Source	Status
<b>AWARDED</b>			
Various Watermain Improvements 2018 GRANT 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. CPL started design on 77th Street & Whitney Ave. EFC request more detail on City fee estimates. CPL sent NFWB email concerning this 1/31/22. City responded to NFWB inquiry that they will have no fees to NFWB for these projects.
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. CPL started design on 77th Street & Whitney Ave. EFC request more detail on City fee estimates. CPL sent NFWB email concerning this 1/31/22. City responded to NFWB inquiry that they will have no fees to NFWB for these projects.
Sewer Plant Phase 1 Improvements	\$13,500,000 grant	NYS DASNY ID #15688	Awarded. Six reimbursements received that total \$4.81 million.
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. <b>CPL sent NFWB staff 2nd request paperwork 6/23/22. Approval needed by Board &amp; Authority. Then 2nd submission can be made to EFC.</b>
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. Work is underway and progressing.
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. <b>May 2022 conference call with NFWB, DEC and EFC. NYS okay with revised schedule. NFWB to obtain engineering proposal and submitting remaining grant paperwork to EFC.</b>
LaSalle Sewer Area Phase 2 Construction	\$1,000,000 total \$800,000 grant \$200,000 NFWB match	NYSDEC WQIP	Application submitted 7/30/21. Grant awarded December 2021. <b>May 2022 conference call with NFWB, DEC and EFC. NYS okay with revised schedule. Possible improvements can be done in 2022 or 2023.</b>
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. EFC requested Authority resolution to keep application. CPL sent NFWB staff email regarding this 3/17/22. <b>NFWB staff working on resolution.</b>

## NFWB Financial Award Summary



**Last Updated: 7/11/22**

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. <b>NFWB to request proposals for study.</b>
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 to send draft agreement for review.
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.



## NFWB Financial Award Summary



**Last Updated: 7/11/22**

Note: Changes from last summary are in red text

Description	Amount	Source	Status
<b>FUTURE</b>			
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. Part of CFA process. Next application deadline anticipated July 2022.
Large Funding Request Sewer Plant Biological Conversion	\$250,000,000	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. <b>Funding request submitted to Senator Schumer 4/9/22. EFC Intended Use Plan listing updated 6/7/22.</b>
Large Funding Request Lead Removal	\$70,000,000	NYS & Federal	Effort underway with officials for request. Several meetings with officials and WNY funding delegation. CPL to prepare with NFWB staff, list and cost of mains to be replaced.
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 one study prepared and approved by NYS. Anticipate Round 2 funding application October 2022.
2022 Various Watermain & System Improvements	Recommend \$5,000,000 total to get maximum \$3,000,000 grant. Rest to be \$2,000,000 loan	NYS EFC	<b>NFWB staff &amp; CPL met 3/7/22 to discuss. EFC submission deadline 9/9/22. NFWB staff have selected projects to submit application for. Board resolution needed. CPL working with Staff on application and engineering report.</b>
2022 Various Sewer & System Improvements	Recommend \$5,000,000 total to get maximum \$1,250,000 grant. Rest to be \$3,750,000 loan	NYS EFC	<b>NFWB staff &amp; CPL met 3/7/22 to discuss. EFC submission deadline 9/9/22. NFWB staff have selected projects to submit application for. Board resolution and 30 day coordinated SEQR review needed. CPL working with Staff on application and engineering report.</b>

## NFWB Financial Award Summary

**Last Updated: 7/11/22**

Note: Changes from last summary are in red text



Description	Amount	Source	Status
2022 Lead Service Line Removal Bipartisan Infrastructure Law (BIL)	Program details not yet available	NYS EFC DWSRF	Program offers funds to replace lead service lines from main to house. Financial listing request required by 8/31/22. Application and engineering report needed.
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: 7/11/22**

Note: Changes from last summary are  
in red text

Description	Amount	Source	Status
<b>COMPLETED / NOT ACTIVE</b>			
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. <b>NFWB not moving forward per 5/25/22 email.</b>

## SUSTAINABLE WASTEWATER INFRASTRUCTURE OF THE FUTURE (SWIFt) TOOLKIT TRAINING

### Background

The U.S. Department of Energy (DOE) Sustainable Wastewater of the Future (SWIFt) Initiative works with water resource recovery facilities to accelerate a pathway toward sustainable infrastructure. During SWIFt Phase 1 (SWIFt 1.0), DOE worked with over 70 facilities to introduce the building blocks of energy management into their operations. SWIFt 1.0 partners reduced their total energy consumption by almost 7% in three years and put in place plans to achieve 30% facility-wide energy savings by 2021 using DOE-developed energy management decision-making tools and how-to resources. These resources have since been published as the [Wastewater Energy Management Toolkit \(SWIFt Toolkit\)](#).

SWIFt Phase 2 (SWIFt 2.0) will continue the momentum of Phase 1 by leveraging the tools, resources, and lessons of SWIFt 1.0 to benefit the broader wastewater sector. Facilities that were not able to join SWIFt 1.0 but are interested in achieving 5% short-term and 25% long-term facility-wide cumulative energy savings can participate in SWIFt Toolkit Training.

### SWIFt Toolkit Training

For facilities interested in prioritizing energy savings and introducing the building blocks of energy management into their operations, the SWIFt Toolkit Training is designed to provide a deep dive into the resources that support best practices and innovative approaches successfully used by wastewater facilities to establish and implement energy management and planning. Participating facilities will receive customized technical assistance in four critical areas: energy data management, energy efficiency improvements and advanced technology integration, project financing, and strategic energy management. These trainings are designed to help participants achieve 5% short-term, 25% long-term cumulative energy savings, draft a long term infrastructure improvement plan, and ideally integrate at least one advanced energy technology upgrade.

SWIFt Toolkit Training participants will also receive access to proven energy savings tools, no-cost energy assessments through DOE's Better Plants Program, opportunities to network with other facilities to share lessons learned and connect with potential public and private funding sources, and national recognition with energy savings success stories highlighted across DOE platforms.

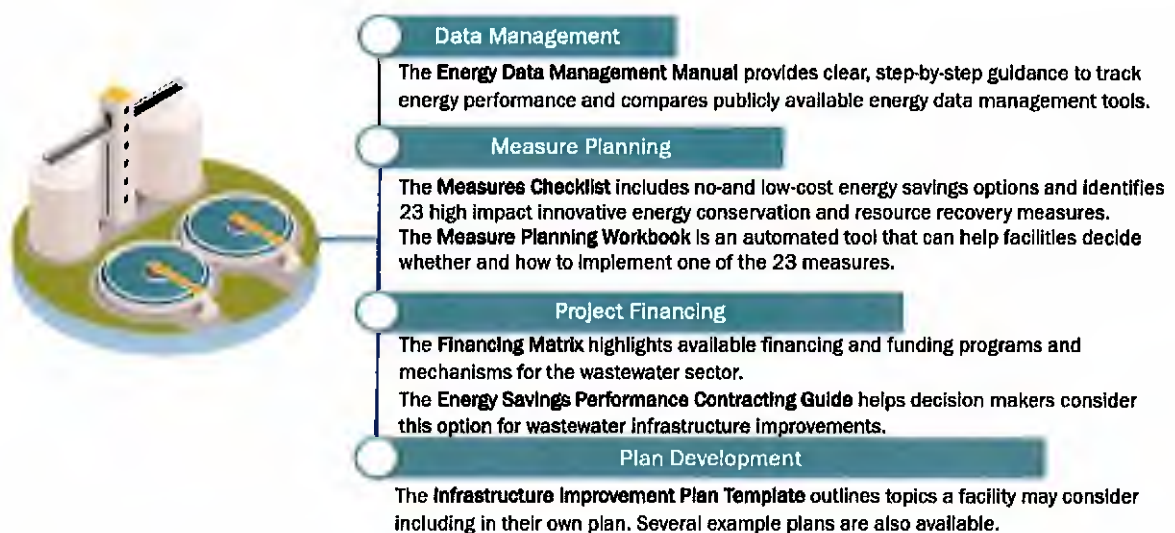


Figure 1. Participants will receive training on DOE-developed tools focused on the four key building blocks of energy management, including energy data management, measure planning, project financing, and plan development.

**SUSTAINABLE WASTEWATER INFRASTRUCTURE OF THE  
FUTURE (SWIFT) TOOLKIT TRAINING****SWIFT Toolkit Training Participants receive:**

- **Customized training, tools, resources, and road-tested strategies** to help reduce facility wide energy intensity by 5% in three years and 25% over a 10-year period
- **Assistance establishing** an energy use and energy intensity baseline and developing an infrastructure improvement plan that includes best-practice energy performance tracking, a package of cutting-edge technologies, and a concrete financing model
- **Opportunities to network** with other facilities to share lessons learned and connect with potential public and private funding sources
- **Access** to DOE's Better Plants Program which provides priority access to DOE's Industrial Assessment Centers to help facilities identify no and low cost opportunities for energy savings
- **National recognition**, with energy savings success stories highlighted across DOE platforms

**The U.S. Department of Energy will:**

- **Appoint** a point of contact
- **Provide technical assistance** and training on energy data management, energy savings measures, project financing, and project implementation plan development
- **Develop** additional technical tools and/or assistance necessary to meet the goals of the SWIFT Initiative
- **Create and facilitate** networking and technical peer exchange opportunities with stakeholder organizations and other partners to develop best practices and share innovative solutions
- **Leverage** full set of tools and resources developed by stakeholder organizations and compile best practices and approaches for striving toward sustainable infrastructure
- **Provide national recognition** to SWIFT Initiative partners and participating facilities for achieving milestones and for their leadership in working toward a sustainable wastewater infrastructure

**Note:** Sharing energy-savings data with DOE is encouraged but optional. DOE keeps facility and utility data confidential. Data are only used in the aggregate to assess the efficacy of the initiative or highlight partner success stories.

Name of Utility

Niagara Falls Water Board

Address

5815 Buffalo Ave, Niagara Falls, NY 14304

Point of Contact Name

Dr. Abderrahman Zehraoui

Point of Contact Email

AZEHRAOUI@NFWB.org

Send your completed sign-up sheet to [shannon.zaret@ee.doe.gov](mailto:shannon.zaret@ee.doe.gov)

**Niagara Falls Water Board**  
**Personnel Actions and Report**  
**Monday, July 25, 2022**

**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
1	Confidential Secretary	Administration	\$19.20/hr	Proposed to be shared between ED, DAS, and GC. Part-time versus full-time status to be determined.
2	Joseph Argona, Temporary Part-Time	Administration	\$35/hr	Not to exceed 20 hours per week or \$35,000 per year. Start on or after August 15, 2022.

**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 2022)**

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
1	Joseph Argona, Supervisor of Maintenance	WTP	75000 (approx.)	Retirement effective July 29, 2022.

**E. PERSONNEL ON LONG TERM LEAVE OF ABSENCE**

Name	Last Day Worked	Dept.	Return Status	Comments
Jean Syverson	5/18/2022	Admin WWTP	Unknown	Workers Comp

# Revenue Budget Performance Report

Fiscal Year to Date 06/30/22

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	<b>FA - Water Board - Water</b>									
	<b>REVENUE</b>									
	<i>Departmental Income</i>									
2122.001	Visual Inspections	50,000.00	.00	50,000.00	3,785.00	.00	26,237.50	23,762.50	52	26,162.50
2140.001	District 1	1,893,780.00	.00	1,893,780.00	1,996.62	.00	881,279.30	1,012,500.70	47	270,571.89
2140.002	District 2	2,338,000.00	.00	2,338,000.00	882.78	.00	1,044,586.02	1,293,413.98	45	463,456.33
2140.003	District 3	1,753,500.00	.00	1,753,500.00	439,280.25	.00	842,297.60	911,202.40	48	498,974.48
2140.004	Non-Resident	35,070.00	.00	35,070.00	.00	.00	16,827.03	18,242.97	48	16,189.04
2140.005	Industrial	3,099,019.00	.00	3,099,019.00	.00	.00	1,217,371.24	1,881,647.76	39	210,249.98
2140.006	Industrial SIU	2,630,250.00	.00	2,630,250.00	225.00	.00	1,331,070.40	1,299,179.60	51	694,878.50
2140.008	Hydrant Usage	6,000.00	.00	6,000.00	.00	.00	508.35	5,491.65	8	5,306.80
2140.599	Miscellaneous Departmental Incom	5,000.00	.00	5,000.00	250.00	.00	1,250.00	3,750.00	25	332.39
2141.000	Allowance for Unpaid Trfd	(125,000.00)	.00	(125,000.00)	.00	.00	19,762.63	(144,762.63)	-16	22,280.46
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	24,808.00	.00	225,352.20	229,647.80	50	225,032.04
2144.006	Lab Analysis	39,220.00	.00	39,220.00	5,748.00	.00	16,038.00	23,182.00	41	16,270.50
2144.008	Missing Meter Charge	25,000.00	.00	25,000.00	2,040.00	.00	9,979.50	15,020.50	40	16,961.50
2144.009	Mtr Install/Reinstall/Reactivate	5,000.00	.00	5,000.00	500.00	.00	2,375.00	2,625.00	48	2,375.00
2144.010	Final Meter Read/Inspect	17,000.00	.00	17,000.00	2,100.00	.00	9,575.00	7,425.00	56	9,775.00
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	725.00	.00	3,640.00	3,860.00	49	3,400.00
2148.001	District 1	72,478.00	.00	72,478.00	(187.09)	.00	33,428.35	39,049.65	46	22,650.63
2148.002	District 2	40,915.00	.00	40,915.00	(41.82)	.00	18,034.79	22,880.21	44	16,749.75
2148.003	District 3	60,204.00	.00	60,204.00	22,560.69	.00	48,860.41	11,343.59	81	38,494.45
2148.004	Non-Resident	2,338.00	.00	2,338.00	.00	.00	182.73	2,155.27	8	426.81
2148.005	Industrial	15,197.00	.00	15,197.00	(2,046.66)	.00	4,580.13	10,616.87	30	4,431.56
2148.006	Industrial SIU	7,014.00	.00	7,014.00	.00	.00	.00	7,014.00	0	8,369.30
2148.599	Penalty - Miscellaneous	4,096.00	.00	4,096.00	.05	.00	1.43	4,094.57	0	(21.76)
	<i>Departmental Income Totals</i>	\$12,527,881.00	\$0.00	\$12,527,881.00	\$502,625.82	\$0.00	\$5,753,237.61	\$6,774,643.39	46%	\$2,573,317.15
	<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 &amp; Property</i>									
2401.000	Interest Earnings	25,000.00	.00	25,000.00	.00	.00	(1,824.99)	26,824.99	-7	1,969.91
	<i>Use Of Money &amp; Property Totals</i>	\$25,000.00	\$0.00	\$25,000.00	\$0.00	\$0.00	(\$1,824.99)	\$26,824.99	-7%	\$1,969.91
	<i>Licenses And Permits</i>									
2550.006	Cellular Towers	230,000.00	.00	230,000.00	18,570.82	.00	110,223.12	119,776.88	48	107,032.56
2590.004	Hydrant Permits & Rentals	12,000.00	.00	12,000.00	.00	.00	2,988.32	9,011.68	25	8,844.57
	<i>Licenses And Permits Totals</i>	\$242,000.00	\$0.00	\$242,000.00	\$18,570.82	\$0.00	\$113,211.44	\$128,788.56	47%	\$115,877.13
	<i>Sale Of Prop/Cmp For Loss</i>									
2650.000	Sale Of Scrap	10,000.00	.00	10,000.00	.00	.00	9,348.68	651.32	93	3,427.31

# Revenue Budget Performance Report

Fiscal Year to Date 06/30/22

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	<b>FA - Water Board - Water</b>									
	<b>REVENUE</b>									
	<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	\$0.00	\$0.00	\$9,348.68	\$3,374.32	73%	\$3,427.31
	<i>Misc Local Sources</i>									
2701.000	Refund Appro Exp Prior Yr	.00	.00	.00	.00	.00	1,124.55	(1,124.55)	+++	(674.70)
2770.001	NSF Check Charge	8,000.00	.00	8,000.00	770.00	.00	3,745.00	4,255.00	47	3,815.00
2770.599	Undesignated	5,000.00	.00	5,000.00	.00	.00	6,144.16	(1,144.16)	123	.00
	<i>Misc Local Sources Totals</i>	\$13,000.00	\$0.00	\$13,000.00	\$770.00	\$0.00	\$11,013.71	\$1,986.29	85%	\$3,140.30
	<i>Interfund Revenues</i>									
2801.GA	Interfd Rev WtrBd-Sewr	.00	.00	.00	.00	.00	155,477.04	(155,477.04)	+++	168,451.54
	<i>Interfund Revenues Totals</i>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$155,477.04	(\$155,477.04)	+++	\$168,451.54
	<b>REVENUE TOTALS</b>	\$13,050,706.00	\$0.00	\$13,050,706.00	\$521,966.64	\$0.00	\$6,040,463.49	\$7,010,242.51	46%	\$2,866,183.34
Fund	<b>FA - Water Board - Water Totals</b>	\$13,050,706.00	\$0.00	\$13,050,706.00	\$521,966.64	\$0.00	\$6,040,463.49	\$7,010,242.51		\$2,866,183.34



# Revenue Budget Performance Report

Fiscal Year to Date 06/30/22

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	<b>GA - Water Board - Sewer</b>									
	<b>REVENUE</b>									
	<i>Departmental Income</i>									
2120.001	District 1	2,509,153.00	.00	2,509,153.00	2,630.00	.00	1,174,236.14	1,334,916.86	47	357,788.41
2120.002	District 2	3,056,935.00	.00	3,056,935.00	1,137.21	.00	1,388,291.61	1,668,643.39	45	614,636.80
2120.003	District 3	2,279,550.00	.00	2,279,550.00	588,460.52	.00	1,124,558.34	1,154,991.66	49	669,215.09
2120.005	Industrial CSIRU	4,664,310.00	.00	4,664,310.00	.00	.00	1,596,205.82	3,068,104.18	34	311,240.70
2120.006	Industrial SIU	9,585,800.00	.00	9,585,800.00	1,315,344.47	.00	7,849,049.74	1,736,750.26	82	2,613,064.80
2120.007	Waste Hauler Fees	3,000.00	.00	3,000.00	.00	.00	.00	3,000.00	0	3,225.00
2120.008	Hydrant Usage	10,000.00	.00	10,000.00	.00	.00	672.19	9,327.81	7	7,553.27
2120.102	Town Of Niagara	631,276.00	.00	631,276.00	.00	.00	294,230.23	337,045.77	47	338,619.28
2122.001	Visual Inspections	.00	.00	.00	.00	.00	(180.00)	180.00	+++	.00
2122.002	Dye Tests	50,000.00	.00	50,000.00	3,785.00	.00	26,417.50	23,582.50	53	26,162.50
2128.001	District 1	90,013.00	.00	90,013.00	(265.28)	.00	44,069.07	45,943.93	49	29,428.94
2128.002	District 2	64,295.00	.00	64,295.00	(65.63)	.00	19,357.13	44,937.87	30	22,209.86
2128.003	District 3	79,843.00	.00	79,843.00	30,350.88	.00	65,183.63	14,659.37	82	50,366.44
2128.005	Industrial	17,535.00	.00	17,535.00	(2,279.04)	.00	7,490.17	10,044.83	43	5,995.65
2128.006	Industrial SIU	18,704.00	.00	18,704.00	.00	.00	8,856.81	9,847.19	47	12,701.96
2141.000	Allowance for Unpaid Trfd	(125,000.00)	.00	(125,000.00)	.00	.00	26,851.73	(151,851.73)	-21	29,248.05
2770.998	Occidental Brine	.00	.00	.00	.00	.00	100,507.90	(100,507.90)	+++	.00
	<i>Departmental Income Totals</i>	\$22,935,414.00	\$0.00	\$22,935,414.00	\$1,939,098.13	\$0.00	\$13,725,798.01	\$9,209,615.99	60%	\$5,091,456.75
	<i>Use Of Money &amp; Property</i>									
2401.000	Interest Earnings	25,000.00	.00	25,000.00	.00	.00	(1,824.99)	26,824.99	-7	1,457.75
	<i>Use Of Money &amp; Property Totals</i>	\$25,000.00	\$0.00	\$25,000.00	\$0.00	\$0.00	(\$1,824.99)	\$26,824.99	-7%	\$1,457.75
	<i>Licenses And Permits</i>									
2590.006	SIU 5-Yr Permits	5,000.00	.00	5,000.00	.00	.00	1,000.00	4,000.00	20	750.00
	<i>Licenses And Permits Totals</i>	\$5,000.00	\$0.00	\$5,000.00	\$0.00	\$0.00	\$1,000.00	\$4,000.00	20%	\$750.00
	<i>Fines And Forfeits</i>									
2620.000	Forfeitures Of Deposits	800.00	.00	800.00	.00	.00	.00	800.00	0	.00
	<i>Fines And Forfeits Totals</i>	\$800.00	\$0.00	\$800.00	\$0.00	\$0.00	\$0.00	\$800.00	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	2,937.47	2,062.53	59	.00
2690.001	Damages to WB Property	84,525.00	.00	84,525.00	.00	.00	.00	84,525.00	0	.00
	<i>Sale Of Prop/Cmp For Loss Totals</i>	\$89,525.00	\$0.00	\$89,525.00	\$0.00	\$0.00	\$2,937.47	\$86,587.53	3%	\$0.00
	<i>Misc Local Sources</i>									
2701.000	Refund Appro Exp Prior Yr	.00	.00	.00	.00	.00	2,467.98	(2,467.98)	+++	(40,943.64)
2770.599	Undesignated	25,000.00	.00	25,000.00	.00	.00	17,398.28	7,601.72	70	1,397.40
	<i>Misc Local Sources Totals</i>	\$25,000.00	\$0.00	\$25,000.00	\$0.00	\$0.00	\$19,866.26	\$5,133.74	79%	(\$39,546.24)
	<i>Interfund Revenues</i>									
2801.F	Interfd Rev Fr Water	.00	.00	.00	.00	.00	170,571.16	(170,571.16)	+++	162,950.74

# Revenue Budget Performance Report

Fiscal Year to Date 06/30/22

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	<b>GA - Water Board - Sewer</b>									
	REVENUE									
	<i>Interfund Revenues Totals</i>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$170,571.16	(\$170,571.16)	+++	\$162,950.74
	<b>REVENUE TOTALS</b>	\$23,080,739.00	\$0.00	\$23,080,739.00	\$1,939,098.13	\$0.00	\$13,918,347.91	\$9,162,391.09	60%	\$5,217,069.00
Fund	<b>GA - Water Board - Sewer Totals</b>	\$23,080,739.00	\$0.00	\$23,080,739.00	\$1,939,098.13	\$0.00	\$13,918,347.91	\$9,162,391.09		\$5,217,069.00

# Revenue Budget Performance Report

Fiscal Year to Date 06/30/22  
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	<b>VFG - Plant Fund</b>									
	<b>REVENUE</b>									
	<i>Use Of Money &amp; Property</i>									
2401.000	Interest Earnings	700,000.00	.00	700,000.00	.00	.00	.00	700,000.00	0	233,753.29
	<i>Use Of Money &amp; Property Totals</i>	\$700,000.00	\$0.00	\$700,000.00	\$0.00	\$0.00	\$0.00	\$700,000.00	0%	\$233,753.29
	<i>Proceeds Of Obligations</i>									
4990.000	Grant Revenue	.00	.00	.00	.00	.00	272,953.75	(272,953.75)	+++	1,371,189.59
	<i>Proceeds Of Obligations Totals</i>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$272,953.75	(\$272,953.75)	+++	\$1,371,189.59
	<b>REVENUE TOTALS</b>	\$700,000.00	\$0.00	\$700,000.00	\$0.00	\$0.00	\$272,953.75	\$427,046.25	39%	\$1,604,942.88
Fund	<b>VFG - Plant Fund Totals</b>	\$700,000.00	\$0.00	\$700,000.00	\$0.00	\$0.00	\$272,953.75	\$427,046.25		\$1,604,942.88
	<b>Grand Totals</b>	\$36,831,445.00	\$0.00	\$36,831,445.00	\$2,461,064.77	\$0.00	\$20,231,765.15	\$16,599,679.85		\$9,688,195.22

# Expense Budget Performance Report

Fiscal Year to Date 06/30/22

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	<b>GA - Water Board - Sewer</b>									
	<b>EXPENSE</b>									
	<i>Personnel - Position Control</i>									
0110.000	Biweekly Payroll	3,009,321.00	.00	3,009,321.00	.00	.00	899,650.37	2,109,670.63	30	1,218,237.44
0153.000	Stipend	6,000.00	.00	6,000.00	.00	.00	115.38	5,884.62	2	1,038.46
	<i>Personnel - Position Control Totals</i>	<b>\$3,015,321.00</b>	<b>\$0.00</b>	<b>\$3,015,321.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$899,765.75</b>	<b>\$2,115,555.25</b>	<b>30%</b>	<b>\$1,219,275.90</b>
	<i>Personnel Services</i>									
0111.000	Biwkly Comp Differential	.00	.00	.00	.00	.00	1,182.20	(1,182.20)	+++	5,885.51
0125.000	Insurance OPT Out	104,598.00	.00	104,598.00	.00	.00	36,338.25	68,259.75	35	54,250.72
0130.000	Temporary Payroll	151,000.00	.00	151,000.00	.00	.00	61,180.54	89,819.46	41	77,020.50
0140.000	Overtime	185,500.00	.00	185,500.00	.00	.00	103,625.09	81,874.91	56	68,491.52
0150.000	Acting Next-In-Rank Pay	12,480.00	.00	12,480.00	.00	.00	299.72	12,180.28	2	8,421.94
0151.A	Sunday Contractual Pay	36,000.00	.00	36,000.00	.00	.00	16,716.35	19,283.65	46	23,164.01
0152.000	Shift Premium Pay	.00	.00	.00	.00	.00	116.44	(116.44)	+++	136.23
0155.A	Holiday Contractual Pay	18,500.00	.00	18,500.00	.00	.00	8,090.22	10,409.78	44	8,869.65
0155.000	Holiday Pay	.00	.00	.00	.00	.00	21,046.33	(21,046.33)	+++	26,809.59
0165.000	Military Leave	.00	.00	.00	.00	.00	3,676.50	(3,676.50)	+++	3,685.68
0170.000	Overtime Meals	6,225.00	.00	6,225.00	.00	.00	2,782.25	3,442.75	45	2,023.45
0181.000	Vacation Pay	.00	.00	.00	.00	.00	70,436.86	(70,436.86)	+++	78,941.47
0182.000	Personal Time	.00	.00	.00	.00	.00	266.70	(266.70)	+++	2,569.29
0183.000	Compensatory Time Off	.00	.00	.00	.00	.00	4,986.32	(4,986.32)	+++	2,815.78
0184.000	Funeral Leave	.00	.00	.00	.00	.00	870.81	(870.81)	+++	3,186.25
0185.000	Jury Duty	.00	.00	.00	.00	.00	.00	.00	+++	3,560.92
0186.000	Call-In Time	16,125.00	.00	16,125.00	.00	.00	8,760.53	7,364.47	54	9,545.35
0189.000	Sick Leave	.00	.00	.00	.00	.00	26,679.95	(26,679.95)	+++	34,145.52
	<i>Personnel Services Totals</i>	<b>\$530,428.00</b>	<b>\$0.00</b>	<b>\$530,428.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$367,055.06</b>	<b>\$163,372.94</b>	<b>69%</b>	<b>\$413,523.38</b>
	<i>Capital Outlays</i>									
0220.000	Office Equipment	500.00	.00	500.00	.00	.00	.00	500.00	0	.00
0250.500	Safety Equipment	15,000.00	.00	15,000.00	.00	2,081.28	845.15	12,073.57	20	8,065.73
	<i>Capital Outlays Totals</i>	<b>\$15,500.00</b>	<b>\$0.00</b>	<b>\$15,500.00</b>	<b>\$0.00</b>	<b>\$2,081.28</b>	<b>\$845.15</b>	<b>\$12,573.57</b>	<b>19%</b>	<b>\$8,065.73</b>
	<i>Contractual Expenses</i>									
0411.000	Office Supplies	2,950.00	.00	2,950.00	.00	1,149.49	.00	1,800.51	39	648.36
0412.000	Uniforms	1,740.00	.00	1,740.00	.00	.00	.00	1,740.00	0	.00
0413.000	Safety Shoes	11,000.00	.00	11,000.00	228.34	.00	3,685.07	7,314.93	34	2,757.90
0414.000	Automotive-Gas,Oil,Grease	33,000.00	.00	33,000.00	4,442.97	.00	17,754.23	15,245.77	54	12,248.08
0416.000	Consumable Printed Forms	700.00	.00	700.00	.00	.00	565.04	134.96	81	378.75
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	6,745.07	5,727.99	15,715.18	8,556.83	71	10,968.56
0419.003	Cleaning/Sanitary	10,000.00	.00	10,000.00	1,177.66	366.36	4,225.75	5,407.89	46	3,716.05
0419.004	Agricultural/Botanical	40,000.00	.00	40,000.00	.00	.00	.00	40,000.00	0	.00
0419.005	Tools & Machine Parts	207,000.00	(5,000.00)	202,000.00	12,882.31	8,565.16	68,318.16	125,116.68	38	47,973.56

# Expense Budget Performance Report

Fiscal Year to Date 06/30/22

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	<b>GA - Water Board - Sewer</b>									
	<b>EXPENSE</b>									
	<i>Contractual Expenses</i>									
0419.006	Construction/Repair	135,000.00	(20,000.00)	115,000.00	16,145.95	15,533.30	50,105.19	49,361.51	57	25,471.74
0419.008	Signals/Communication	5,000.00	.00	5,000.00	.00	.00	1,494.55	3,505.45	30	.00
0419.009	Misc Chemicals	21,500.00	.00	21,500.00	523.00	1,711.69	3,769.93	16,018.38	25	6,449.11
0419.010	Laboratory	26,000.00	.00	26,000.00	736.44	6,189.50	7,200.21	12,610.29	51	8,967.35
0419.012	Carbon	.00	15,000.00	15,000.00	.00	14,835.00	.00	165.00	99	.00
0419.014	Ferric Chloride	445,000.00	.00	445,000.00	90,882.94	59,117.06	248,858.68	137,024.26	69	182,543.93
0419.016	Primary Polymer	80,000.00	.00	80,000.00	.00	20,992.00	19,008.00	40,000.00	50	.00
0419.017	Sludge Polymer	100,000.00	.00	100,000.00	.00	10,599.96	29,400.04	60,000.00	40	49,920.00
0419.018	Pebble Lime	150,000.00	.00	150,000.00	10,276.36	55,940.19	64,059.81	30,000.00	80	65,069.07
0419.024	Hypochlorite Solution	7,500,000.00	(45,000.00)	7,455,000.00	896,771.68	363,955.08	1,878,838.01	5,212,206.91	30	999,124.16
0419.599	Undesignated Supplies	49,350.00	30,000.00	79,350.00	15,836.52	18,056.53	40,849.24	20,444.23	74	17,232.67
0421.001	Phone Extension Chgs	29,500.00	.00	29,500.00	3,929.03	.00	20,130.59	9,369.41	68	20,110.36
0421.002	Wireless Services	10,000.00	.00	10,000.00	920.84	.00	4,068.19	5,931.81	41	3,452.44
0422.000	Light & Power	628,000.00	.00	628,000.00	55,548.65	.00	330,707.79	297,292.21	53	292,551.05
0423.000	Water/Sewer	486,000.00	.00	486,000.00	.00	.00	170,571.16	315,428.84	35	162,950.74
0424.000	Gas	25,000.00	.00	25,000.00	3,865.80	.00	13,697.94	11,302.06	55	11,956.78
0432.000	Property Insurance	180,000.00	.00	180,000.00	.00	.00	.00	180,000.00	0	.00
0433.000	Liability Insurance	135,000.00	.00	135,000.00	279.00	.00	131,684.40	3,315.60	98	115,582.30
0440.003	Motor Vehicle Equipment	80,000.00	.00	80,000.00	5,500.44	.00	33,979.78	46,020.22	42	37,816.80
0440.599	Undesignated Leases	1,050.00	.00	1,050.00	121.31	.00	379.85	670.15	36	534.89
0441.000	Rental Of Real Property	75.00	.00	75.00	41.00	.00	41.00	34.00	55	41.00
0442.000	Rental Of Equipment	15,500.00	.00	15,500.00	695.59	475.49	2,815.93	12,208.58	21	2,621.86
0442.003	Motor Vehicle Equip Rentl	.00	6,000.00	6,000.00	459.28	.00	2,377.28	3,622.72	40	6,554.61
0442.599	Undesignated Rentals	3,800.00	.00	3,800.00	.00	1,852.78	702.90	1,244.32	67	792.64
0443.000	Repair Of Real Property	35,000.00	5,000.00	40,000.00	4,614.45	.00	28,403.75	11,596.25	71	13,496.28
0444.000	Repair Of Equipment	150,000.00	20,000.00	170,000.00	7,023.69	11,273.90	34,423.85	124,302.25	27	35,693.27
0446.000	Computer Services	3,500.00	.00	3,500.00	354.98	.00	2,119.87	1,380.13	61	2,099.87
0449.000	Billing & Collection	45,000.00	.00	45,000.00	3,771.28	.00	22,627.68	22,372.32	50	20,578.30
0449.002	Sludge Disposal	2,500,000.00	.00	2,500,000.00	147,271.89	705,664.49	794,335.51	1,000,000.00	60	903,130.75
0449.004	Special Security	.00	.00	.00	.00	.00	195.00	(195.00)	+++	.00
0449.008	Hazardous Waste Displ.	200.00	.00	200.00	.00	.00	.00	200.00	0	.00
0449.500	Safety-Contractual	3,200.00	.00	3,200.00	.00	.00	70.00	3,130.00	2	1,811.23
0449.599	Undesignated Services	186,843.00	(6,000.00)	180,843.00	36,239.29	65,330.50	91,828.61	23,683.89	87	36,249.51
0451.000	Consultants	73,762.00	.00	73,762.00	16,644.26	4,679.44	56,802.60	12,279.96	83	43,473.49
0454.000	Attorney Services	55,000.00	.00	55,000.00	4,740.85	.00	8,803.74	46,196.26	16	18,219.12
0461.000	Postage	30,000.00	.00	30,000.00	886.04	.00	5,725.00	24,275.00	19	14,751.47
0463.000	Travel & Training Expense	21,100.00	.00	21,100.00	199.50	.00	1,553.34	19,546.66	7	399.00
0463.500	Safety Training	1,000.00	.00	1,000.00	.00	.00	.00	1,000.00	0	.00

# Expense Budget Performance Report

Fiscal Year to Date 06/30/22

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	<b>GA - Water Board - Sewer</b>									
	<b>EXPENSE</b>									
	<i>Contractual Expenses</i>									
0465.000	Laundry & Cleaning	7,500.00	.00	7,500.00	977.04	1,868.76	4,035.10	1,596.14	79	598.56
0466.000	Books,Mags. & Memberships	500.00	.00	500.00	.00	.00	1,890.00	(1,390.00)	378	2,010.00
0467.000	Advertising	500.00	.00	500.00	18.55	.00	182.61	317.39	37	196.35
0471.000	Recruitment Expenditures	400.00	.00	400.00	.00	.00	501.11	(101.11)	125	.00
	<i>Contractual Expenses Totals</i>	\$13,555,970.00	\$0.00	\$13,555,970.00	\$1,350,752.00	\$1,373,884.67	\$4,218,501.67	\$7,963,583.66	41%	\$3,181,141.96
	<i>Employee Benefits</i>									
0801.000	NYS E.R.S. Retirement	412,820.00	.00	412,820.00	.00	.00	120,942.00	291,878.00	29	106,755.83
0820.000	Worker's Compensation	240,000.00	.00	240,000.00	782.74	.00	3,988.70	236,011.30	2	(2,454.05)
0830.000	Life Insurance	12,837.00	.00	12,837.00	1,097.45	.00	6,560.53	6,276.47	51	6,525.24
0840.000	Unemployment Ins. NYS	17,253.00	.00	17,253.00	.00	.00	.00	17,253.00	0	.00
0860.000	Medical Insurance	2,245,937.00	.00	2,245,937.00	190,249.11	.00	1,141,140.00	1,104,797.00	51	1,157,676.01
0861.000	Dental Insurance	64,800.00	.00	64,800.00	.00	.00	.00	64,800.00	0	.00
0863.000	Vision Care Insurance	5,713.00	.00	5,713.00	.00	.00	2,311.79	3,401.21	40	2,896.10
0865.000	Chiropractic Insurance	930.00	.00	930.00	.00	.00	.00	930.00	0	320.00
	<i>Employee Benefits Totals</i>	\$3,000,290.00	\$0.00	\$3,000,290.00	\$192,129.30	\$0.00	\$1,274,943.02	\$1,725,346.98	42%	\$1,271,719.13
	<i>Employee Benefit - FICA</i>									
0810.000	Social Security	270,792.00	.00	270,792.00	.00	.00	94,622.82	176,169.18	35	121,795.97
	<i>Employee Benefit - FICA Totals</i>	\$270,792.00	\$0.00	\$270,792.00	\$0.00	\$0.00	\$94,622.82	\$176,169.18	35%	\$121,795.97
	<b>EXPENSE TOTALS</b>	\$20,388,301.00	\$0.00	\$20,388,301.00	\$1,542,881.30	\$1,375,965.95	\$6,855,733.47	\$12,156,601.58	40%	\$6,215,522.07
Fund	<b>GA - Water Board - Sewer Totals</b>	\$20,388,301.00	\$0.00	\$20,388,301.00	\$1,542,881.30	\$1,375,965.95	\$6,855,733.47	\$12,156,601.58		\$6,215,522.07
	<b>Grand Totals</b>	\$20,388,301.00	\$0.00	\$20,388,301.00	\$1,542,881.30	\$1,375,965.95	\$6,855,733.47	\$12,156,601.58		\$6,215,522.07

# Expense Budget Performance Report

Fiscal Year to Date 06/30/22

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	<b>FA - Water Board - Water</b>									
	<b>EXPENSE</b>									
	<i>Personnel - Position Control</i>									
0110.000	Biweekly Payroll	2,437,924.00	.00	2,437,924.00	.00	.00	664,208.71	1,773,715.29	27	1,027,344.01
0153.000	Stipend	10,925.00	.00	10,925.00	.00	.00	2,191.78	8,733.22	20	3,945.42
	<i>Personnel - Position Control Totals</i>	<b>\$2,448,849.00</b>	<b>\$0.00</b>	<b>\$2,448,849.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$666,400.49</b>	<b>\$1,782,448.51</b>	<b>27%</b>	<b>\$1,031,289.43</b>
	<i>Personnel Services</i>									
0111.000	Biwkly Comp Differential	.00	.00	.00	.00	.00	1,970.88	(1,970.88)	+++	.00
0125.000	Insurance OPT Out	54,884.00	.00	54,884.00	.00	.00	21,438.23	33,445.77	39	29,677.76
0130.000	Temporary Payroll	20,500.00	.00	20,500.00	.00	.00	51,279.05	(30,779.05)	250	1,061.08
0140.000	Overtime	90,150.00	.00	90,150.00	.00	.00	29,228.31	60,921.69	32	32,721.36
0150.000	Acting Next-In-Rank Pay	.00	.00	.00	.00	.00	4,677.15	(4,677.15)	+++	.00
0151.A	Sunday Contractual Pay	15,500.00	.00	15,500.00	.00	.00	5,750.66	9,749.34	37	7,654.33
0152.000	Shift Premium Pay	.00	.00	.00	.00	.00	120.36	(120.36)	+++	141.97
0155.A	Holiday Contractual Pay	8,000.00	.00	8,000.00	.00	.00	1,844.57	6,155.43	23	2,341.22
0155.000	Holiday Pay	.00	.00	.00	.00	.00	20,716.16	(20,716.16)	+++	30,025.27
0170.000	Overtime Meals	2,415.00	.00	2,415.00	.00	.00	776.25	1,638.75	32	861.05
0181.000	Vacation Pay	.00	.00	.00	.00	.00	61,967.62	(61,967.62)	+++	79,543.94
0182.000	Personal Time	.00	.00	.00	.00	.00	1,616.26	(1,616.26)	+++	3,494.69
0183.000	Compensatory Time Off	.00	.00	.00	.00	.00	1,102.73	(1,102.73)	+++	1,512.97
0184.000	Funeral Leave	.00	.00	.00	.00	.00	1,290.12	(1,290.12)	+++	1,736.75
0186.000	Call-In Time	8,275.00	.00	8,275.00	.00	.00	2,786.05	5,488.95	34	3,581.21
0189.000	Sick Leave	.00	.00	.00	.00	.00	30,374.89	(30,374.89)	+++	45,704.72
0190.000	Vacation Cash Conversion	12,337.00	.00	12,337.00	.00	.00	.00	12,337.00	0	.00
	<i>Personnel Services Totals</i>	<b>\$212,061.00</b>	<b>\$0.00</b>	<b>\$212,061.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$236,939.29</b>	<b>(\$24,878.29)</b>	<b>112%</b>	<b>\$240,058.32</b>
	<i>Capital Outlays</i>									
0210.000	Furniture & Furnishings	4,500.00	.00	4,500.00	.00	.00	.00	4,500.00	0	639.71
0230.000	Motor Vehicle Equipment	5,000.00	.00	5,000.00	.00	.00	.00	5,000.00	0	1,999.00
0250.000	Other Equipment	20,000.00	10,000.00	30,000.00	6,825.09	6,710.02	8,890.03	14,399.95	52	.00
0250.007	Computer Equipment	25,000.00	.00	25,000.00	.00	4,689.65	2,979.78	17,330.57	31	2,644.85
0250.500	Safety Equipment	3,000.00	.00	3,000.00	.00	.00	.00	3,000.00	0	1,084.04
	<i>Capital Outlays Totals</i>	<b>\$57,500.00</b>	<b>\$10,000.00</b>	<b>\$67,500.00</b>	<b>\$6,825.09</b>	<b>\$11,399.67</b>	<b>\$11,869.81</b>	<b>\$44,230.52</b>	<b>34%</b>	<b>\$6,367.60</b>
	<i>Contractual Expenses</i>									
0411.000	Office Supplies	10,200.00	.00	10,200.00	464.99	568.70	2,031.27	7,600.03	25	3,666.58
0412.000	Uniforms	2,550.00	.00	2,550.00	.00	.00	.00	2,550.00	0	.00
0413.000	Safety Shoes	7,800.00	.00	7,800.00	400.00	.00	1,264.89	6,535.11	16	2,261.31
0414.000	Automotive-Gas,Oil,Grease	45,000.00	.00	45,000.00	7,539.81	180.30	33,395.30	11,424.40	75	16,017.63
0415.000	Fuel Oil	30,000.00	.00	30,000.00	.00	.00	.00	30,000.00	0	8,083.56
0416.000	Consumable Printed Forms	1,000.00	.00	1,000.00	.00	.00	565.04	434.96	57	378.76
0417.000	Tool Allowance	150.00	.00	150.00	.00	.00	.00	150.00	0	.00
0419.001	Automotive Parts	20,000.00	.00	20,000.00	1,982.43	.00	14,003.37	5,996.63	70	7,467.89

# Expense Budget Performance Report

Fiscal Year to Date 06/30/22

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	<b>FA - Water Board - Water</b>									
	<b>EXPENSE</b>									
	<i>Contractual Expenses</i>									
0419.003	Cleaning/Sanitary	5,000.00	.00	5,000.00	287.88	.00	1,914.40	3,085.60	38	1,462.60
0419.005	Tools & Machine Parts	87,500.00	.00	87,500.00	11,812.54	11,469.29	45,598.34	30,432.37	65	26,632.32
0419.006	Construction/Repair	174,000.00	.00	174,000.00	19,742.35	6,623.95	68,431.08	98,944.97	43	63,145.76
0419.009	Misc Chemicals	491,000.00	.00	491,000.00	50,568.10	55,711.57	223,006.19	212,282.24	57	183,563.13
0419.010	Laboratory	31,000.00	.00	31,000.00	5,116.49	2,455.53	15,457.53	13,086.94	58	10,370.04
0419.599	Undesignated Supplies	9,150.00	.00	9,150.00	.00	1,500.00	2,738.66	4,911.34	46	2,993.14
0421.001	Phone Extension Chgs	25,000.00	.00	25,000.00	1,840.75	.00	9,221.42	15,778.58	37	9,330.86
0421.002	Wireless Services	14,000.00	.00	14,000.00	1,279.23	.00	6,220.38	7,779.62	44	5,324.49
0422.000	Light & Power	550,000.00	.00	550,000.00	47,681.82	.00	260,364.33	289,635.67	47	293,097.98
0423.000	Water/Sewer	698,000.00	.00	698,000.00	.00	.00	155,477.04	542,522.96	22	168,451.54
0424.000	Gas	18,000.00	.00	18,000.00	1,681.75	.00	14,181.25	3,818.75	79	10,107.35
0432.000	Property Insurance	120,000.00	.00	120,000.00	.00	.00	.00	120,000.00	0	.00
0433.000	Liability Insurance	90,000.00	.00	90,000.00	186.00	.00	101,940.85	(11,940.85)	113	97,052.95
0440.003	Motor Vehicle Equipment	84,000.00	.00	84,000.00	5,500.44	.00	33,979.80	50,020.20	40	37,493.52
0440.599	Undesignated Leases	1,250.00	.00	1,250.00	216.74	.00	625.95	624.05	50	582.89
0441.000	Rental Of Real Property	.00	.00	.00	.00	.00	.00	.00	+++	24.00
0442.000	Rental Of Equipment	4,000.00	.00	4,000.00	362.08	.00	1,791.43	2,208.57	45	1,660.84
0442.003	Motor Vehicle Equip Rentl	5,000.00	.00	5,000.00	459.28	.00	2,377.28	2,622.72	48	6,554.60
0442.599	Undesignated Rentals	4,000.00	.00	4,000.00	181.84	545.23	1,254.77	2,200.00	45	1,108.59
0444.000	Repair Of Equipment	23,700.00	.00	23,700.00	.00	500.00	627.04	22,572.96	5	3,537.44
0446.000	Computer Services	4,000.00	.00	4,000.00	354.97	.00	2,119.83	1,880.17	53	2,099.83
0446.008	Software Maint/Licenses	335,000.00	.00	335,000.00	44,263.90	16,219.50	122,592.13	196,188.37	41	245,450.14
0449.000	Billing & Collection	45,000.00	.00	45,000.00	3,771.28	.00	22,627.68	22,372.32	50	20,578.28
0449.001	Sludge Removal	60,000.00	.00	60,000.00	.00	.00	.00	60,000.00	0	.00
0449.500	Safety-Contractual	1,500.00	.00	1,500.00	.00	.00	70.00	1,430.00	5	115.50
0449.599	Undesignated Services	830,000.00	(7,500.00)	822,500.00	1,772.33	353.34	749,607.25	72,539.41	91	741,910.40
0451.000	Consultants	53,000.00	(2,500.00)	50,500.00	14,853.80	450.00	41,914.06	8,135.94	84	24,606.83
0454.000	Attorney Services	50,000.00	.00	50,000.00	4,740.84	.00	8,228.73	41,771.27	16	17,729.10
0461.000	Postage	30,000.00	.00	30,000.00	886.03	.00	5,724.94	24,275.06	19	14,751.46
0463.000	Travel & Training Expense	23,300.00	.00	23,300.00	199.50	1,198.00	18,014.55	4,087.45	82	2,287.20
0465.000	Laundry & Cleaning	1,500.00	.00	1,500.00	126.72	398.96	601.04	500.00	67	759.12
0466.000	Books,Mags. & Memberships	300.00	.00	300.00	.00	.00	287.00	13.00	96	.00
0467.000	Advertising	500.00	.00	500.00	18.55	.00	182.62	317.38	37	153.42
0471.000	Recruitment Expenditures	800.00	.00	800.00	.00	.00	850.12	(50.12)	106	.00
	<i>Contractual Expenses Totals</i>	\$3,986,200.00	(\$10,000.00)	\$3,976,200.00	\$228,292.44	\$98,174.37	\$1,969,287.56	\$1,908,738.07	52%	\$2,030,811.05
	<i>Employee Benefits</i>									
0801.000	NYS E.R.S. Retirement	206,410.00	.00	206,410.00	.00	.00	60,471.00	145,939.00	29	53,377.92
0820.000	Worker's Compensation	225,000.00	.00	225,000.00	521.82	.00	(10,456.68)	235,456.68	-5	(1,615.40)



# Expense Budget Performance Report

Fiscal Year to Date 06/30/22

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	<b>FA - Water Board - Water</b>									
	<b>EXPENSE</b>									
	<i>Employee Benefits</i>									
0830.000	Life Insurance	10,465.00	.00	10,465.00	809.89	.00	4,878.90	5,586.10	47	5,205.77
0840.000	Unemployment Ins. NYS	5,000.00	.00	5,000.00	.00	.00	.00	5,000.00	0	.00
0860.000	Medical Insurance	1,336,959.00	.00	1,336,959.00	119,628.31	.00	741,761.94	595,197.06	55	732,229.99
0861.000	Dental Insurance	50,100.00	.00	50,100.00	.00	.00	.00	50,100.00	0	.00
0863.000	Vision Care Insurance	4,115.00	.00	4,115.00	.00	.00	1,550.94	2,564.06	38	1,912.32
0865.000	Chiropractic Insurance	1,680.00	.00	1,680.00	105.00	.00	740.00	940.00	44	960.00
	<i>Employee Benefits Totals</i>	\$1,839,729.00	\$0.00	\$1,839,729.00	\$121,065.02	\$0.00	\$798,946.10	\$1,040,782.90	43%	\$792,070.60
	<i>Employee Benefit - FICA</i>									
0810.000	Social Security	208,230.00	.00	208,230.00	.00	.00	67,538.02	140,691.98	32	94,816.10
	<i>Employee Benefit - FICA Totals</i>	\$208,230.00	\$0.00	\$208,230.00	\$0.00	\$0.00	\$67,538.02	\$140,691.98	32%	\$94,816.10
	<b>EXPENSE TOTALS</b>	\$8,752,569.00	\$0.00	\$8,752,569.00	\$356,182.55	\$109,574.04	\$3,750,981.27	\$4,892,013.69	44%	\$4,195,413.10
Fund	<b>FA - Water Board - Water Totals</b>	\$8,752,569.00	\$0.00	\$8,752,569.00	\$356,182.55	\$109,574.04	\$3,750,981.27	\$4,892,013.69		\$4,195,413.10
	<b>Grand Totals</b>	\$8,752,569.00	\$0.00	\$8,752,569.00	\$356,182.55	\$109,574.04	\$3,750,981.27	\$4,892,013.69		\$4,195,413.10

# Expense Budget Performance Report

Fiscal Year to Date 06/30/22  
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	<b>FGB - Water Board</b>									
	<b>EXPENSE</b>									
	<i>Contractual Expenses</i>									
0419.599	Undesignated Supplies	3,000.00	.00	3,000.00	662.21	.00	1,828.22	1,171.78	61	1,461.17
0451.000	Consultants	61,700.00	.00	61,700.00	.00	.00	4,916.25	56,783.75	8	59,707.07
0454.000	Attorney Services	60,000.00	.00	60,000.00	965.00	.00	2,309.00	57,691.00	4	26,670.50
0459.000	Auditors	28,000.00	.00	28,000.00	.00	.00	26,000.00	2,000.00	93	19,000.00
0461.000	Postage	250.00	.00	250.00	.00	.00	.00	250.00	0	22.04
0466.000	Books,Mags. & Memberships	7,050.00	.00	7,050.00	4,253.00	.00	4,253.00	2,797.00	60	4,509.00
	<i>Contractual Expenses Totals</i>	\$160,000.00	\$0.00	\$160,000.00	\$5,880.21	\$0.00	\$39,306.47	\$120,693.53	25%	\$111,369.78
	<b>EXPENSE TOTALS</b>	\$160,000.00	\$0.00	\$160,000.00	\$5,880.21	\$0.00	\$39,306.47	\$120,693.53	25%	\$111,369.78
Fund	<b>FGB - Water Board Totals</b>	\$160,000.00	\$0.00	\$160,000.00	\$5,880.21	\$0.00	\$39,306.47	\$120,693.53		\$111,369.78
	<b>Grand Totals</b>	\$160,000.00	\$0.00	\$160,000.00	\$5,880.21	\$0.00	\$39,306.47	\$120,693.53		\$111,369.78

# BANK ON BUFFALO & KEYBANK

## BANK BALANCES-FY 2022

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	-	-	-	-	5,198,449.50	5,026,155.08
	X4899	Depository-BOB	6,316,534.35	5,942,530.51	-	(3,941,036.15)	2,001,494.36	8,318,028.71	2,973,320.83
	X9220	Depository-Keybank	494,125.30	132,410.39	-	-	132,410.39	626,535.69	297,702.76
	X4906	Payroll	115,653.46	-	(551,674.47)	545,442.20	(6,232.27)	109,421.19	109,324.31
	X4914	Benefits	14,488.75	-	(8,534.00)	-	(8,534.00)	5,954.75	12,880.50
	X0643	Operating	867,401.81	-	(3,425,582.83)	3,395,593.95	(29,988.88)	837,462.93	872,159.27
	X4445	Grants	298,917.78	-	-	-	-	298,917.78	56,308.39
		Totals	13,397,195.77	6,074,940.90	(3,985,741.30)	-	2,089,199.60	15,486,395.37	9,439,475.96

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	5,023,518.08
	X4899	Depository	8,318,028.71	2,164,261.20	-	(5,741,075.03)	(3,576,813.83)	4,741,214.88	1,931,772.99
	X9220	Depository-Keybank	626,535.69	99,980.31	-	-	99,980.31	726,516.00	165,426.71
	X4906	Payroll	109,421.19	-	(503,705.92)	507,238.01	3,532.09	112,953.28	107,398.56
	X4914	Benefits	5,954.75	-	(5,582.50)	13,238.50	7,656.00	13,610.75	13,131.50
	X0643	Operating	837,462.93	-	(5,226,976.18)	5,220,598.52	(6,377.66)	831,085.27	1,006,001.80
	X4445	Grants	298,917.78	289,894.44	-	-	289,894.44	588,812.22	1.00
		Totals	15,486,395.37	2,554,135.95	(5,736,264.60)	-	(3,182,128.65)	12,304,266.72	8,338,875.46

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	5,028,792.08
	X4899	Depository	4,741,214.88	1,857,650.92	-	(2,509,831.25)	(652,180.33)	4,089,034.55	1,181,664.43
	X9220	Depository-Keybank	726,516.00	152,266.30	-	-	152,266.30	878,782.30	210,550.98
	X4906	Payroll	112,953.28	-	(502,147.62)	499,587.42	(2,560.20)	110,393.08	105,789.51
	X4914	Benefits	13,610.75	-	(14,139.00)	7,430.00	(6,709.00)	6,901.75	14,624.50
	X0643	Operating	831,085.27	-	(2,023,426.23)	2,002,813.83	(20,612.40)	810,472.87	1,506,721.21
	X4445	Grants	588,812.22	1,211,853.48	-	-	1,211,853.48	1,800,665.70	598,755.30
		Totals	12,304,266.72	3,221,770.70	(2,539,712.85)	-	682,057.85	12,986,324.57	8,738,522.89

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	5,028,792.08
	X4899	Depository	4,089,034.55	3,840,564.99	-	(1,523,407.81)	2,317,157.18	6,406,191.73	1,869,991.94
	X9220	Depository-Keybank	878,782.30	178,994.69	-	(850,000.00)	(671,005.31)	207,776.99	372,323.36
	X4906	Payroll	110,393.08	-	(528,381.40)	517,979.88	(10,401.52)	99,991.56	109,678.92
	X4914	Benefits	6,901.75	-	(12,894.00)	17,120.00	4,226.00	11,127.75	12,653.50
	X0643	Operating	810,472.87	-	(1,815,831.94)	1,838,307.93	22,475.99	832,948.86	1,679,650.89
	X4445	Grants	1,800,665.70	-	(1,800,015.00)	-	(1,800,015.00)	650.70	598,755.30
		Totals	12,986,324.57	4,019,559.68	(4,157,122.34)	(0.00)	(137,562.66)	12,848,761.91	9,763,470.81

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	5,028,792.08
	X4899	Depository	6,406,191.73	2,627,487.88	-	(1,679,053.03)	948,434.85	7,354,626.58	2,106,131.53
	X9220	Depository-Keybank	207,776.99	148,765.53	-	-	148,765.53	356,542.52	491,357.51
	X4906	Payroll	99,991.56	-	(522,262.08)	522,550.09	288.01	100,279.57	105,462.99
	X4914	Benefits	11,127.75	-	(7,359.00)	13,596.00	6,237.00	17,364.75	11,461.50
	X0643	Operating	832,948.86	-	(1,153,700.15)	1,142,906.94	(10,793.21)	822,155.65	1,294,047.00
	X4445	Grants	650.70	14,250.00	-	-	14,250.00	14,900.70	1.00
		Totals	12,848,761.91	2,790,503.41	(1,683,321.23)	0.00	1,107,182.18	13,955,944.09	9,129,878.43

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	5,028,792.08
	X4899	Depository	7,354,626.58	2,031,324.52	-	(3,467,377.05)	(1,436,052.53)	5,918,574.05	930,994.65
	X9220	Depository-Keybank	356,542.52	157,818.12	-	-	157,818.12	514,360.64	615,740.35
	X4906	Payroll	100,279.57	-	(809,871.26)	883,213.26	73,542.00	173,821.57	469,744.17
	X4914	Benefits	17,364.75	-	(9,584.00)	7,209.00	(2,375.00)	14,989.75	13,404.50
	X0643	Operating	822,155.65	-	(2,668,443.22)	2,576,954.79	(91,488.43)	730,667.22	944,283.88
	X4445	Grants	14,900.70	1,485,401.95	(1,500,000.00)	-	(14,598.05)	302.65	772,436.29
		Totals	13,955,944.09	3,674,544.59	(4,987,698.48)	-	(1,313,153.89)	12,642,790.20	8,867,020.74

# 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	7,257,814.15	662,494.43	(1,243,237.02)	10,262.00	(570,480.59)	6,687,333.56
	X3251	Construction	866.50	-	-	-	0.01	866.51
	X3252	Debt Service Reserve	6,832,824.47	-	-	-	23,854.14	6,856,678.61
	X9279	Expense Account	16,079.32	-	-	-	-	16,079.32
	X2722	Capital Fund Construction	1,637,334.07	-	-	-	13.91	1,637,347.98
		<b>Totals</b>	<b>15,744,918.51</b>	<b>662,494.43</b>	<b>(1,243,237.02)</b>	<b>10,262.00</b>	<b>(546,612.53)</b>	<b>15,198,305.98</b>

MONTH	ACCT #	Account Name	STARTING VALUE	DEPOSITS	Payments	Change in Market Value	NET CHANGE IN VALUE	MONTH ENDING VALUE
FEBRUARY	X3250	Debt Service	6,687,333.56	662,494.43	-	10,143.05	672,637.48	7,359,971.04
	X3251	Construction	866.51	-	-	0.01	0.01	866.52
	X3252	Debt Service Reserve	6,856,678.61	-	-	21,709.90	21,709.90	6,878,388.51
	X9279	Expense Account	16,079.32	-	-	-	-	16,079.32
	X2722	Capital Fund Construction	1,637,347.98	3,000,000.00	(2,730,773.12)	18.44	269,245.32	1,906,593.30
		<b>Totals</b>	<b>15,198,305.98</b>	<b>3,662,494.43</b>	<b>(2,730,773.12)</b>	<b>31,871.40</b>	<b>963,592.71</b>	<b>16,161,898.69</b>

MONTH	ACCT #	Account Name	STARTING VALUE	DEPOSITS	Payments	Change in Market Value	NET CHANGE IN VALUE	MONTH ENDING VALUE
MARCH	X3250	Debt Service	7,359,971.04	665,494.43	(416,371.00)	12,879.00	262,002.43	7,621,973.47
	X3251	Construction	866.52	-	-	0.02	0.02	866.54
	X3252	Debt Service Reserve	6,878,388.51	-	-	24,047.85	24,047.85	6,902,436.36
	X9279	Expense Account	16,079.32	-	-	-	-	16,079.32
	X2722	Capital Fund Construction	1,906,593.30	-	(899,017.11)	32.20	(898,984.91)	1,007,608.39
		<b>Totals</b>	<b>16,161,898.69</b>	<b>665,494.43</b>	<b>(1,315,388.11)</b>	<b>36,959.07</b>	<b>(612,934.61)</b>	<b>15,548,964.08</b>

MONTH	ACCT #	Account Name	STARTING VALUE	DEPOSITS	Payments	Change in Market Value	NET CHANGE IN VALUE	MONTH ENDING VALUE
APRIL	X3250	Debt Service	7,621,973.47	662,494.13	-	13,692.84	676,186.97	8,298,160.44
	X3251	Construction	866.54	-	-	0.10	0.10	866.64
	X3252	Debt Service Reserve	6,902,436.36	-	-	23,331.93	23,331.93	6,925,768.29
	X9279	Expense Account	16,079.32	-	-	-	-	16,079.32
	X2722	Capital Fund Construction	1,007,608.39	1,800,000.00	(160,955.24)	245.77	1,639,290.53	2,646,898.92
		<b>Totals</b>	<b>15,548,964.08</b>	<b>2,462,494.13</b>	<b>(160,955.24)</b>	<b>37,270.64</b>	<b>2,338,809.53</b>	<b>17,887,773.61</b>

MONTH	ACCT #	Account Name	STARTING VALUE	DEPOSITS	Payments	Change in Market Value	NET CHANGE IN VALUE	MONTH ENDING VALUE
MAY	X3250	Debt Service	8,298,160.44	497,475.15	(259,670.73)	23,526.90	261,331.32	8,559,491.76
	X3251	Construction	866.64	-	-	0.30	0.30	866.94
	X3252	Debt Service Reserve	6,925,768.29	-	-	24,253.01	24,253.01	6,950,021.30
	X9279	Expense Account	16,079.32	-	-	-	-	16,079.32
	X2722	Capital Fund Construction	2,646,898.92	-	(193,475.36)	873.30	(192,602.06)	2,454,296.86
		<b>Totals</b>	<b>17,887,773.61</b>	<b>497,475.15</b>	<b>(453,146.09)</b>	<b>48,653.51</b>	<b>92,982.57</b>	<b>17,980,756.18</b>

MONTH	ACCT #	Account Name	STARTING VALUE	DEPOSITS	Payments	Change in Market Value	NET CHANGE IN VALUE	MONTH ENDING VALUE
JUNE	X3250	Debt Service	8,559,491.76	579,738.54	(3,018,371.88)	11,516.09	(2,427,117.25)	6,132,374.51
	X3251	Construction	866.94	-	-	0.53	0.53	867.47
	X3252	Debt Service Reserve	6,950,021.30	-	-	23,655.59	23,655.59	6,973,676.89
	X9279	Expense Account	16,079.32	-	-	-	-	16,079.32
	X4118-0	2022A DSF	-	304,864.26	-	-	304,864.26	304,864.26
	X4118-1	2022A Issuance	18,119.92	-	-	-	-	18,119.92
	X2722	Capital Fund Construction	2,454,296.86	1,500,000.00	(2,236,973.47)	866.78	(736,106.69)	1,718,190.17
		<b>Totals</b>	<b>17,998,876.10</b>	<b>2,384,602.80</b>	<b>(5,255,345.35)</b>	<b>36,038.99</b>	<b>(2,834,703.56)</b>	<b>15,164,172.54</b>

# **BANK ON BUFFALO- 2643**

## **Treasury Reconciliation FY 2022**

<b>MONTH</b>	<b>STARTING VALUE</b>	<b>DEPOSITS/WITHDRAWALS</b>	<b>TRANSFERS</b>	<b>CHANGE IN VALUE</b>	<b>MONTH ENDING VALUE</b>	<b>PY MONTH ENDING VALUE</b>
JAN	15,446,992.31	(9,571.87)	-	(596.27)	15,436,824.17	17,497,998.15
FEB	15,436,824.17	(2,623.55)	-	(848.44)	15,433,352.18	17,497,884.90
MAR	15,433,352.18	(2,621.85)	-	(594.63)	15,430,135.70	17,496,366.58
APR	15,430,135.70	(2,367.56)	-	(3,214.61)	15,424,553.53	17,488,479.16
MAY	15,424,553.53	(5,241.30)	-	1,857.77	15,421,170.00	17,470,018.06
JUN	15,421,170.00	(2,451.10)	-	(21,150.71)	15,397,568.19	15,471,993.88
JUL	15,397,568.19	-	-	-	15,397,568.19	15,457,966.34
AUG	15,397,568.19	-	-	-	15,397,568.19	15,461,635.16
SEP	15,397,568.19	-	-	-	15,397,568.19	15,449,981.80
OCT	15,397,568.19	-	-	-	15,397,568.19	15,444,969.98
NOV	15,397,568.19	-	-	-	15,397,568.19	15,449,882.33
DEC	15,397,568.19	-	-	-	15,397,568.19	15,446,992.31
FY TOTAL		(24,877.23)	-	(24,546.89)		

NFWB Live

## Budget Amendments Report

From Date: 6/1/2022 - To Date: 6/30/2022

Account	G/L Date	Journal	Description	Increases	Decreases	Amended Balance
Fund: GA Water Board - Sewer						
Department: 8130 Sewage Trtmt/Disposal						
Sub Department: 0100 Operations						
0419.012 - Carbon				Amended Balance as of: 6/1/2022		\$0.00
	06/15/2022	2022-00001782	MOVE FROM HYPOCHLORITE TO CARBON TO PAY FOR BUILDING WORK AT WWTP	\$15,000.00	\$0.00	\$15,000.00
				\$15,000.00	\$0.00	\$15,000.00
0419.024 - Hypochlorite Solution				Amended Balance as of: 6/1/2022		\$7,500,000.00
	06/15/2022	2022-00001782	MOVE FROM HYPOCHLORITE TO CARBON TO PAY FOR BUILDING WORK AT WWTP	\$0.00	\$15,000.00	\$7,455,000.00
				\$0.00	\$15,000.00	\$7,485,000.00
Sub Department: 0100 Operations Totals:				\$15,000.00	\$15,000.00	
Department: 8130 Sewage Trtmt/Disposal Totals:				\$15,000.00	\$15,000.00	
<b>Fund Totals: Water Board - Sewer</b>				\$15,000.00	\$15,000.00	
<b>Grand Totals:</b>				\$15,000.00	\$15,000.00	

BANK PAID DATE	Req #	Invoice Date	PP # of #	VENDOR	Project Name	DESCRIPTION	INVOICE	AMOUNT
6/3/2022	2022-076	4/26/2022	6	kamco	Miscellaneous	Interior Imp @ WWTP	2204-235541	\$ 461.68
6/3/2022	2022-077	4/20/2022	7	kamco	Miscellaneous	Interior Imp @ WWTP	2204-230659	\$ 1,221.90
6/3/2022	2022-078	5/9/2022	8	kamco	Miscellaneous	Interior Imp @ WWTP	2205-24731	\$ 1,036.34
6/3/2022	2022-079	5/10/2022	1	CSBehler Inc	Miscellaneous	Interior Imp @ WWTP	48706	\$ 4,646.42
6/3/2022	2022-080	5/12/2022	2	CSBehler Inc	Miscellaneous	Interior Imp @ WWTP	48742	\$ 110.00
6/2/2022	2022-081	4/12/2022	3	Linde	Lime Silo	Welding Equipment & Accessories	70028011	\$ 216.21
6/3/2022	2022-082	3/1/2022	1	PPG Paints	Miscellaneous	Interior Imp @ WWTP	822999013343	\$ 700.00
6/3/2022	2022-083	5/6/2022	9	STC Construction	Gorge Pump Station Rehab	Gorge Pump Station Rehab-General Contractor	9	\$ 988,892.62
6/3/2022	2022-084	3/14/2022	21	Arcadis	WWTP project 3	Construction Administration	34287400	\$ 35,815.38
6/3/2022	2022-085	5/10/2022	22	Arcadis	WWTP project 3	Construction Administration	34297431	\$ 8,819.13
6/2/2022	2022-086	3/7/2022	32	GHD	Gorge Pump Station Rehab	Reporting & Construction Administration	337-0002347	\$ 2,244.38
6/3/2022	2022-087	3/10/2022	4	JM Davidson	Exterior Pipe Improvement	Professional Services	22018/22025	\$ 10,125.00
6/3/2022	2022-088	3/10/2022	5	JM Davidson	Interior Pipe Improvement	Professional Services	22017	\$ 51,075.35
6/3/2022	2022-089	2/17/2022	4	MLP Plumbing	Interior Pipe Improvement	Construction	215030/4	\$ 30,520.65
6/3/2022	2022-090	3/1/2022	5	MLP Plumbing	Interior Pipe Improvement	Construction	215030/5	\$ 21,414.55
6/2/2022	2022-091	10/7/2021	1	John W. Danforth	Replacement of Critical Heating & Ventilation equipment	Construction	PB108702	\$ 6,887.50
6/2/2022	2022-092	4/29/2022	2-Retention	4th Generation	21" Combined sewr repair	McKoon Ave	05062022 Retention	\$ 3,280.00
6/3/2022	2022-093	4/30/2022	8	Hohl Industrial	Gen/Mech-Screenings & Grit transport	Construction	179421-08	\$ 45,116.75
6/3/2022	2022-094	2/10/2022	7	Hohl Industrial	Gen/Mech-Screenings & Grit transport	Construction	179421-07	\$ 29,404.40
6/2/2022	2022-095	2/23/2022	26	Kaman Automation	SCADA	SCADA Upgrade	CTR0046307	\$ 11,806.25
6/8/2022	2022-096	3/9/2022	N/A	CPL	Combined Projects-Miscellaneous	Professional Services-Capital Work Management	81333	\$ 28,239.00
6/8/2022	2022-097	4/18/2022	N/A	CPL	Combined Projects-Miscellaneous	Professional Services-Capital Work Management	82113	\$ 15,484.50
6/8/2022	2022-098	2/23/2022	2	PPG Paints	Miscellaneous	Interior Imp @ WWTP	822902072127	\$ 488.50
6/8/2022	2022-099	5/31/2022	1	Tiede-Zoeller Tile Corporation	Terrazzo Floors	Interior Imp @ WWTP	8288	\$ 46,558.00
6/9/2022	2022-100	3/25/2022	1	Five Star Equipment	Fleet Replacement	John Deere 444 Day loader	E00720	\$ 168,453.75
6/24/2022	2022-101	5/10/2022	2	KS State Bank	2020 Peterbilt Dump Truck	2020 Peterbilt Dump Truck	57681-7-2022	\$ 37,221.69
6/24/2022	2022-102	5/9/2022	1	Pierce Eagle Equipment Company	Vac Con Truck	Vac Con Truck	2000563	\$ 505,468.00
6/24/2022	2022-103	3/10/2022	17	CIR Electrical Construction	Gorge Pump Station Rehab	Gorge Pump Station Rehab-Electrical	44187	\$ 2,451.00
6/24/2022	2022-104	10/12/2021	8	EI Team	Rwplacement of critical Heating & Ventilation	Professional Services	23628	\$ 4,082.50
6/24/2022	2022-105	11/17/2021	9	EI Team	Rwplacement of critical Heating & Ventilation	Professional Services	23630	\$ 2,990.00
6/24/2022	2022-106	5/31/2022	2	John W. Danforth	Rwplacement of critical Heating & Ventilation	Construction	PB109664	\$ 150,736.50
6/24/2022	2022-107	5/25/2022	3	CSBehler Inc	Miscellaneous	Interior Imp @ WWTP	49083/48899	\$ 840.94
6/24/2022	2022-108	6/13/2022	6	B&L Wholesale Supply	WWTP Conference Room	Materials	026804127-001	\$ 93.94
6/24/2022	2022-109	6/10/2022	5	B&L Wholesale Supply	WWTP Conference Room	Materials	0026559056-003	\$ 27.50
6/24/2022	2022-110	6/14/2022	4	B&L Wholesale Supply	WWTP Conference Room	Materials	0026559056-002	\$ 203.00
6/24/2022	2022-111	6/2/2022	3	B&L Wholesale Supply	WWTP Conference Room	Materials	0026580108-001	\$ 1,596.14
6/24/2022	2022-112	4/26/2022	1	K&S Contractors Supply	Catch Basins	Catch Basins	22-4369	\$ 6,175.00
6/24/2022	2022-113	5/31/2022	1	North American Trusses	Roof Trusses for 56th St Lift Station	Roof Trusses for 56th St Lift Station	7540	\$ 2,355.00
6/24/2022	2022-114	5/31/2022	2	North American Trusses	Roof Trusses for 56th St Lift Station	Roof Trusses for 56th St Lift Station	7541	\$ 865.00
6/24/2022	2022-115	5/27/2022	1	RB Uren	WWTP Old Lime System Demolition	Lift Rentals	22488C-1/23128-1	\$ 4,183.00
6/24/2022	2022-116	6/16/2022	2	RB Uren	WWTP Old Lime System Demolition	Lift Rentals	22488D-1	\$ 2,171.00
6/24/2022	2022-117	6/9/2022	3	RB Uren	WWTP Old Lime System Demolition	Lift Rentals	23209-1	\$ 2,495.00
								\$ 2,236,973.47



## **Monthly O&M Report** **For the Month of June 2022**

### **1. Treatment & Plant Maintenance**

#### **1.1. Water – Robert Rowe, updated 07/11/2022.**

### **OPERATIONS AND MAINTENANCE**

Total water production for the month of June was 608 million gallons. The average daily water production was 20.3 million gallons. The plant data summary table is included below for your reference.

### **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							
AUG							
SEP							
OCT							
NOV							
DEC							
TOTAL	3807594	43751	680300	96388	10330	24411	126279

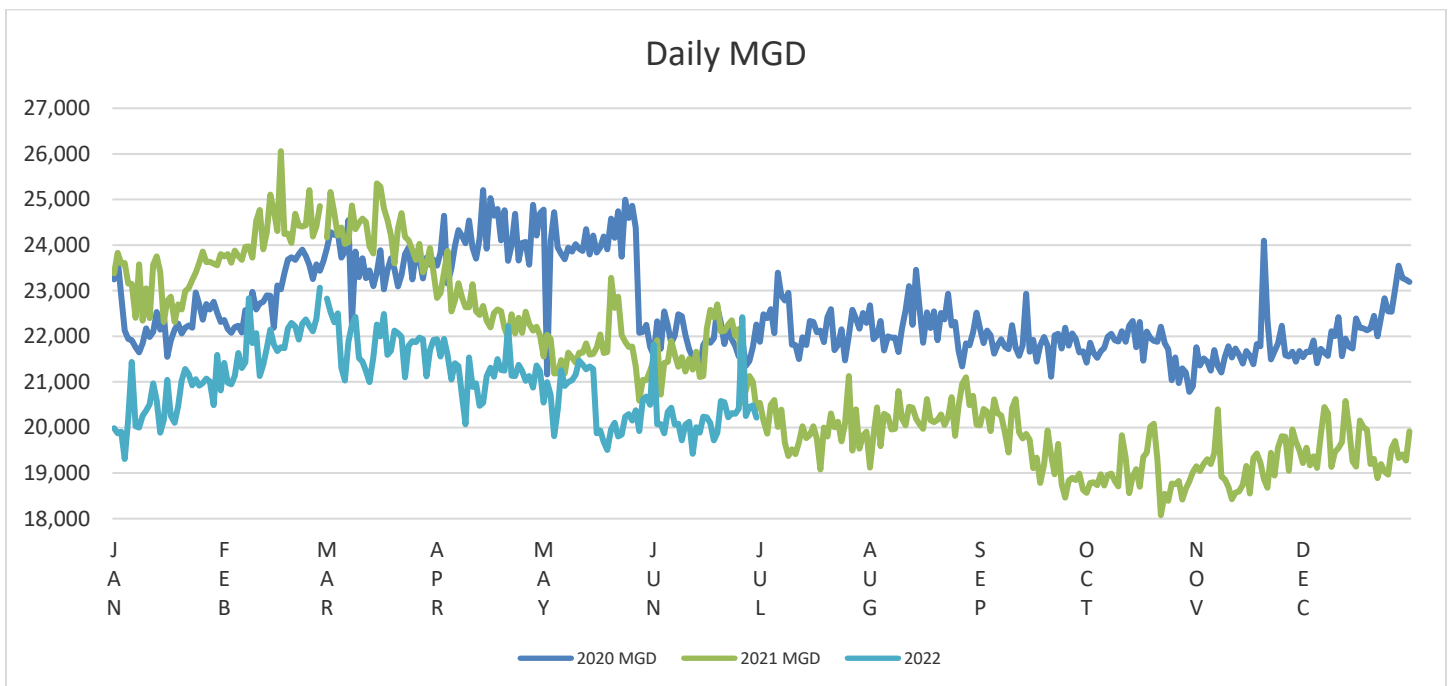




**FOR COMPARISON: 2021 TOTALS AND AVERAGES**

	R/W	PRE CL2	PACL	H2SiF6	PO4	POST CL2	F/W 1000 GAL/ DAY
	PUMPAGE	LBS	LBS	LBS	LBS	LBS	
JAN	719125	6987	157000	18691	1968	3939	23198
FEB	681002	6389	150200	18097	1847	3998	24322
MAR	752361	7210	177400	19096	1994	4684	24270
APR	677021	6706	129000	15693	1746	4322	22567
MAY	672042	7449	120700	15869	1819	4293	21679
JUN	647984	7631	96900	14000	1772	4054	21599
JUL	618489	8800	93200	13164	1695	4055	19951
AUG	627495	9628	101200	13459	1696	3997	20242
SEP	587289	8881	105200	12509	1704	3361	19576
OCT	586999	8063	109800	12925	1700	3349	18935
NOV	575,545	6763	112700	13599	1692	3294	19185
DEC	605715	6680	136400	14584	1665	3620	19539
TOTAL	7751067	91187	1489700	181686	21298	46966	255063

**Chart Comparing Daily Finished Water Flows, 2022 Versus Past Years**





## 2022 ANALYTICAL RESULTS

	RAW		PRE	POST	EFF		
	TURB	RAW	CI2	CI2	TURB	EFF	F. RES
	NTU	pH	RES.mg/l	RES.mg/l	NTU	pH	mg/l
JAN	10.3	8.1	0.57	1.23	0.062	7.5	0.72
FEB	6.8	8.0	0.59	1.25	0.050	7.5	0.69
MAR	4.5	8.1	0.58	1.23	0.061	7.6	0.67
APR	7.8	8.1	0.56	1.25	0.062	7.6	0.67
MAY	2.6	8.0	0.55	1.25	0.063	7.6	0.70
JUN	2.3	7.9	0.57	1.27	0.057	7.6	0.72
JUL							
AUG							
SEP							
OCT							
NOV							
DEC							
AVG	5.7	8.0	0.57	1.25	0.059	7.6	0.69

### Operations and Maintenance Highlights

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\*

NY State has granted approvals for the state drinking water fluoride program.

Data is currently being compiled for the upcoming Annual Drinking Water Quality Report and Annual Water Withdraw Reports. I will be pooling data with the lab and requesting some information from other related departments for 2021 totals and accomplishments.

\*\*Water Withdraw Report is complete.

\*\*Annual Drinking Water Report is complete, sent for inclusion in monthly billing, and prints ordered for distribution at local gathering places as required. Once the prints are received and distributed, I will certify this report and its completion with NY State Department of Health, as required.

The report is also posted on our website at [https://nfwb.org/app/uploads/2022/05/NFWB\\_CCR\\_2021.pdf](https://nfwb.org/app/uploads/2022/05/NFWB_CCR_2021.pdf)



## **Wastewater – Dennis Kirkland, Acting Chief Operator- updated 7/11/2022**

**Sampling Notes:** 6/8 – 6/9 The Effluent sample was a 25hr composite.  
6/9 – 6/10 The Effluent sample was a 23hr composite.

### **June 2022**

**Project #1 (Sedimentation Basins and Screening)** Other than some minor electrical and a couple change orders that need to be addressed Sed Basin #5 is done. On June 13<sup>th</sup> we handed over Sed Basin #4 to contractors so they can do the concrete work on the 60'ft walkway separating the basins. It is deteriorating so they wanted to start on it as soon as possible. Once that is complete, we will take control of Sed Basin #5 and contractors will begin their work on Sed Basin #4. Contractors also did concrete work on the stairs leading up to the scum building so it's safer to walk on.

**Project #2 (GPS)** Gorge pump #1 and #2 for the most part is complete and now in automatic and in sequence. There are still a few minor things that need to be worked out on each of the pumps but nothing that would take them out of service. Gorge pumps #3 demo will start the beginning of July to meet the DEC schedule requirements for pump #3 completion.

**Project #3 (Poly, Grit Conveyor, BFP (Belt Filter Press) Controls)** Mollenberg & Betz pipe work continues in the Scum Building and other Project #3 related locations. BFP portion will start back up upon approval of change order at July's board meeting. Contractors preparing to add floor drains to the Polymer Room. Training for Operations on how to operate and maintain the new system is being scheduled as well by JM Davidson through the manufacturer.

**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. Timeline for transformer replacement not yet final.

**Project #7 (HVAC)** Work has begun as of June and Danforth has been installing all new duct work and units in previously selected areas that needed new ventilation. There have been some changes due to some minor issues we found as the project progressed, but everything has since been resolved and things are moving forward smoothly.

**Project #9 & #11 (Inside/Outside Piping)** Project #9 is completed. Sodium Hypochlorite line was installed and NFWB recently installed the sumps at each end for leak protection which includes a strobe and connection to SCADA. Materials for Project #11 slowed things down a bit, but materials and contractors are all set on moving forward. Valves for the North and South gravity thickeners from the sed basins have been changed out along with the actual thickener valves to the TSP have been changed out too. Next, we will be moving onto the permanent portions of the piping underground from the basin sludge pumps to the TSP.

**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 teamed up with Plant IQ at the GPS to give us automation of Gorge Pump #1/#2 at the WWTP (Wastewater Treatment Plant), they are working on adding trending of the vibration and temperature of the pumps and a few minor punch list items.

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														
2022	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	21.28	32.04	12.47	2.0	0.0	1341.0	372.0	1336.0	3117.0	21140	63.6	0	202700	19.6
February	28.61	41.96	13.22	1.7	0.0	1455.0	338.0	1383.0	3462.0	24200	67.6	0	188370	22.3
March	27.56	40.99	14.66	2.0	0.0	946.0	300.0	1119.0	3528.0	24240	42.4	0	252175	11.4
April	24.94	40.19	13.96	1.8	0.1	956.0	276.0	1642.0	3306.0	23620	54.6	0	289230	13.8
May	22.88	37.90	13.27	1.6	0.1	1243.0	371.0	1594.0	3686.0	24980	57.0	0	345240	14.2
June	21.05	32.89	13.74	1.4	0.1	940.0	273.0	1357.0	3415.0	22940	25.4	0	414870	7.5
July														
August														
September														
October														
November														
December														
<b>Totals</b>	<b>24.39</b>	<b>37.66</b>	<b>13.55</b>	<b>1.8</b>	<b>0.3</b>	<b>6881.0</b>	<b>1930.0</b>	<b>8431.0</b>	<b>20514.0</b>	<b>141120</b>	<b>310.6</b>	<b>0</b>	<b>1692585</b>	<b>88.8</b>

#### 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
<b>Totals</b>	<b>24.24</b>	<b>41.93</b>	<b>12.28</b>	<b>1.8</b>	<b>14.7</b>	<b>21664.0</b>	<b>6247.0</b>	<b>30563.0</b>	<b>42803.0</b>	<b>278080</b>	<b>920.5</b>	<b>6950</b>	<b>6766315</b>	<b>305.9</b>



## 2.1. Sewer Collection & Water Distribution Michael Eagler, updated 7/8/2022

Sewer Collections System										
2022	Service Calls	Flushing (Feet)	UFPO Responses	Receivers Cleaned	Bypass Pumping (Hours)	Catch Basins	Man Holes	Main	Connections	Lateral
January	88	17650	329	249	0.00	3	6	0	3	2
February	106	17390	348	121	388.60	1	1	1	1	1
March	148	26000	973	171	5.1	2	7	2	1	0
April	143	47961	1023	8	0	8	5	1	8	0
May	115	11,720	987	11	0	5	3	1	5	0
June	192	69474	1099	15	0	3	4	8	4	5
July										
August										
September										
October										
November										
December										
Totals	194	35040	677	370	388.6	19	22	5	18	3

Water Distribution																
2022																
	Main Breaks	Service Leaks	Curb Box Reset	Valve Repaired	Valve Replaced	Hydrant Replaced	Hydrant Repaired	Hydrant Flow	Hydrant Flush-	Hydrant Leaks	Hydrants out of	Misc. Service	Concrete	Landscap	UFPO	
January	5	8	7	3	0	8	3	0	76	0	0	88	0	0	329	
February	10	7	11	2	2	2	1	0	88	0	0	106	0	0	348	
March	15	8	7	1	0	1	3	0	0	0	0	149	4	0	973	
April	3	9	10	3	3	1	4	5	27	0	0	143	23	0	1023	
May	3	7	17	0	4	1	2	111	115	0	1	115	9	54	987	
June	2	9	7	1	5	1	4	105	41	0	0	192	7	5	1099	
July																
August																
September																
October																
November																
December																
Totals	36	39	52	10	14	13	11	116	191	0	0	486	27	0	2673	



### **3. Analytical Services**

#### **3.1 Water Laboratory – Jordan Boyd, updated 7/8/2022**

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

- June samples have been collected & analyzed in-house for TOC, DOC & UV254 on both finished and source water. All samples were in compliance.
- Monthly collection and reporting for the Distribution System were conducted. 60 Samples for Free Chlorine, Turbidity, Phosphate, Fluoride, Standard Plate Count & Mf Coliform. Those results were satisfactory and were within reporting limits.
- PFOA, PFOS, and 1,4-Dioxane samples were collected and sent out to be analyzed by Alpha Analytical. A result of 1.47ng/L was reported for PFOA and 1.50ng/L was reported for PFOS, which is well below the maximum contaminant limit (MCL) of 10.0ng/L. 1,4-Dioxane was not detected in the sample. This completes our requirement for these parameters for 2022.
- Inorganic Chemicals (IOC's) samples were collected and sent out to be analyzed by Alpha Analytical. All result were under the maximum contaminant limit (MCL). This completes our requirement for these parameters for 2022.
- Synthetic Organic Chemicals (Pesticides) samples were collected and sent out to be analyzed by ALS Global. A result of Not Detected was reported for all analytes. This completes our requirement for these parameters for 2022.

##### **2. In-house/DEC Monitoring**

- All in-house monitoring for bacteriology and chemistry have been within normal limits.
- The monthly SPDES sample collected from the freeze thaw bed was within normal limits.
- No water main breaks or community complaints were sampled in June 2022.
- Samples analyzed for 2022: 6,095.

##### **3. Laboratory Concerns**

- The Chemistry Laboratory analyzed 9 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 Total Suspended Solids sample from Niagara County Water District.
- The Microbiology lab analyzed 20 samples from the Aquarium of Niagara's indoor and outdoor pools, 3 samples from the Village of Lewiston. All results were reported to the representative contacts.
- Revenue created in 2022 is \$15,845.50.

#### **3.2 Wastewater Laboratory - Brian Eldridge 7/11/2022**

1. The data for June's State Pollutant Discharge Elimination System (SPDES) report is currently being compiled. There is a violation for alpha-BHC due to the permit limit being lowered.
2. Progress continues to be made to address the findings of the ELAP audit. The initial response to the deficiency report will be delivered to ELAP by the end of July.





#### **4. Customers & Compliance**

##### **4.1. Meter Shop – Bob Reid Updated 7/6/22**

MONTH:	WORK ORDERS	STOPPED METERS	Registers Replaced	SCRAPPED METERS	INDUSTRIAL METERS READ	RESIDENTIAL METERS READ
JANUARY	96	0	7	0	0	7191
FEBRUARY	89	0	9	0	0	5243
MARCH	115	5	7	0	565	5443
APRIL	115	6	4	0	0	7191
MAY	108	4	6	0	0	5242
JUNE	150	3	6	0	565	5435
JULY						
AUGUST						
SEPTEMBER						
OCTOBER						
NOVEMBER						
DECEMBER						
<b>TOTAL</b>	<b>673</b>	<b>18</b>	<b>39</b>	<b>0</b>	<b>1130</b>	<b>35745</b>

##### **METER READINGS:**

DISTRICT 1	B.REID	M.MACRI	V.Virtuoso	J.PAUL	F.DERUBEIS	TOTAL
6/2/22	808	633				1441
6/3/22	1735					1735
6/6/22	1665					1665
6/7/22	545					545
6/8/22				49		49
<b>TOTAL</b>	<b>4753</b>	<b>633</b>		<b>49</b>		<b>5435</b>
INDUSTRIALS						
6/1/22	259	306				565
<b>TOTAL</b>	<b>5012</b>	<b>939</b>		<b>49</b>		<b>6000</b>

**Shop read 5435 Residential Meters and 565 Industrial Meters. Also large meter testing daily.**



#### **4.2. Industrial Pretreatment Monitoring / Enforcement – Joel Paradise updated 7/6/2022**

**Hauled Waste Program** – The Hauled waste moratorium imposed on August 16<sup>th</sup>, 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 will be released in 2022. Work on the RFP document commenced in 2019 but its release was delayed due to the need for technical assistance in preparing the RFP itself and the workload of several of the consultants believed to be likely proposers, and subsequently has been further delayed by disruptions resulting from the COVID-19 pandemic. Barring the cost of the study exceeding available funds, a local limits evaluation will be completed in 2022.
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 report submitted by Cascades on July 5<sup>th</sup>, 2022 indicated that they have maintained effluent discharges for TSS and SOC well below their discharge permit limits consistently now since June 10<sup>th</sup>, 2022. 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.
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 await their comments.





6. SIU #59 North American Hoganas (NAH) ceased the “wash process” on Friday, July 1<sup>st</sup>, 2022. It was this “wash process” that prompted NAH to renew their discharge permit in March 2022. As of that July 1 date the plan was to complete the sale of the property and for NAH to vacate the property. Since that time (7/1/2022), NAH received an order to process more material. It has not been yet determined if whether that material will be processed at their Niagara Falls facility though. If that decision is made, there are provisions in the sales agreement for NAH to lease back space from the new owner to restart and continue the wash process. In any event, this will be a very short-term extension of their presence in Niagara Falls and by no later that the end of the year NAH will completely cease operations at their Niagara Falls facility.

7. The quarterly BHC collection system sampling was completed on Wednesday, June 8<sup>th</sup>, 2022.

8. Negotiations with the DEC, the NFWB, and Olin Chemical to accept excess process brine wastewater from SIU #23 were commenced on Monday, June 27<sup>th</sup>, 2022. It was agreed at that meeting at Olin on Monday, June 27<sup>th</sup> that this brine wastestream would not be compatible for treatment at the WWTP at this time. It was instead recommended that the possibility of discharging it to their SPDES discharge point 008 be looked into. The DEC will discuss this situation with the Buffalo office and with DEC officials in Albany and have a preliminary report of those discussions for Olin by August 1<sup>st</sup>, 2022.

## **5. Support Services**

### **5.1. Safety – AFI Environmental (Brandon Quinn) 7/11/2022**

- Attended O&M meetings
- Performed Routine Walkthroughs at WWTP and WTP
- Coordination of Annual Fire Extinguisher Inspection
- Attended and assisted with EPA RMP audit and walkthrough
- Attended and assisted with PERMA walkthrough at Water Treatment Plant
- Attended Workers Compensation claims meeting



## **6. Technical Services – Doug Williamson, updated 7/8/2022**

### **1. LaSalle SSO Abatement Program and Consent Order (R9-20080528-32):**

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. In December, we received a second NYSDEC Engineering Planning grant of \$100,000 that was submitted on 7/30/21 for new Sanitary Sewer Evaluation Surveys in LaSalle and the engineering report. In December, we also received the NYSDEC WQIP grant of \$800,000 that was submitted on 7/30/21 for the construction improvements recommended by this engineering report. In May, we had meetings on the LaSalle consent order and submitted a revised work plan that was approved by the NYSDEC on May 24<sup>th</sup>. Upon approval of the plan, the NFWB immediately began sanitary sewer cleaning and CCTV work in the approved sewer shed areas.

### **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. Monthly construction progress meetings were held for ongoing projects.

**Project 1** Sedimentation Basins and Scum Collection System Modification – A progress meeting was last held on April 26<sup>th</sup>. Construction at sedimentation basin no.4 is ongoing.

**Project 2** GPS Rehabilitation - Progress meetings were held on June 15<sup>th</sup>, 28<sup>th</sup> and 30<sup>th</sup>. Construction is ongoing.

**Project 3** Screenings and Grit Transport Equipment Improvements – progress meeting was last held on May 24<sup>th</sup>. Construction is ongoing.

**Project 5** Electrical System Improvements – Phase II work has been proceeding with Ferguson Electric.

**Project 7** Replacement of Critical Heating & Ventilation Equipment – Progress meetings were held on June 15<sup>th</sup> and 21<sup>st</sup>. Construction is ongoing.

**Project 10** SCADA Improvements – last progress meeting was held on January 20<sup>th</sup>. Construction is ongoing.

**Project 11** Exterior Piping Improvements – progress meetings were held on June 1<sup>st</sup>, 13<sup>th</sup>, 15<sup>th</sup> and 29<sup>th</sup>. Construction is ongoing.

**Project 12** WWTP Intermediate Pumps Assessment – progress meeting was last held on May 25<sup>th</sup>. The scope of engineering services for the intermediate pumps assessment was re-evaluated in June.

### **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.

Notice of violation for Gorge Pump Station overflow (May 27<sup>th</sup> event due to pump failure) meetings were held on June 20<sup>th</sup> and 22<sup>nd</sup> with a final meeting with the NYSDEC on June 23<sup>rd</sup>.



NYSDEC air emission invoice was approved on June 27<sup>th</sup>.

The WWTP NetDMR was approved on June 30<sup>th</sup>. There was a violation for the alpha BHC limit for the month of May 2022. A report of non-compliance event was provided to the NYSDEC on June 27<sup>th</sup>. Developed a WWTP and SIU BHC loadings and limits analysis to address the recent violations.

4. **WWTP and Chemical Bulk Storage Tanks:**

In June, we continued addressing corrective actions due to the Notice of Violation from the NYSDEC for the WWTP Chemical Bulk Storage (CBS).

The Spill Prevention Report was updated and certified on June 29<sup>th</sup>.

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

We are currently planning on scheduling the 2022 Fall Town of Niagara flow monitoring **for the period of 9/12/22 (flow meter installs) to 10/10/22 (flow meter removals).** We are looking into possibly renegotiating the Agreement in early 2024.

6. **Stormwater Management**

WNYSC meeting was held in June. A Cooperating MS4 Letter of Support was provided to the WNYSC for a mapping grant program on June 29<sup>th</sup>.

7. **Engineering Support**

In June, the engineering department continued to provide engineering and GIS support to NFWB departments, engineering consultants and developers as needed.

Provided 2021 and current 2022 WWTP cost estimates for chemicals and sludge disposal on June 10<sup>th</sup>.

**NFWB Potential Solar Project** meeting was held on June 10<sup>th</sup> with NYPA. Provided WTP grading plan and WWTP ice drop shaft no.3 drawings. We received solar designs from NYPA for the WTP and WWTP site and plan to meet again in July.

**Risk Management Plan** was updated and certified on June 10<sup>th</sup>. EPA Risk Management Program Pre-Inspection meetings were held on June 2<sup>nd</sup>, 7<sup>th</sup> and 9<sup>th</sup>. The EPA was at the WTP for an audit on June 14<sup>th</sup>. Follow-up EPA Risk Management Program Inspection meetings were held on June 21<sup>st</sup> and 30<sup>th</sup>.

8. **Capital Improvement Projects:**

In June, the **5 Year Capital Improvement Plan** project statuses and progress continued to be tracked. Determined potential WWTP projects to be submitted for the remaining balance of the existing WWTP Phase II grant. Determined potential water and sewer projects for the 2022 WIIA grant application being prepared by CPL that is due by September 9<sup>th</sup>.



### **Water Projects**

In June, CPL continued design work on the **Whitney Avenue and 77<sup>th</sup> Street** watermain replacement projects. The **18th Street watermain** - Ontario Avenue to Whitney Avenue bid opening was held on June 7<sup>th</sup>.

The **2021 WIIA Water Grant application** of \$3 million was awarded on April 19<sup>th</sup>, 2022. Water replacement projects are being planned.

### **Sewer Projects**

The NFWB has been performing sanitary sewer cleaning and CCTV work in the approved LaSalle Consent Order sewer shed and other areas.

### **WTP Projects**

**Water Treatment Plant Conference room expansion** HVAC, plumbing and electrical relocation work has been completed. Work on the conference room platform and conference room desks will begin in July.

### **WWTP Projects**

The **2021 WIIA Sewer (WWTP) Grant application** of \$1,125,000 was awarded on April 19<sup>th</sup>, 2022.

Provided support for WWTP building improvement projects that were ongoing in June.



## 6. Continued

### 2022 OXIDIZER BUDGET

BUDGET = \$7,500,000.00 for year

COST = \$1,991,232.30 to date

% USED = 26.55% to date

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

COST = \$11,001.28 per day avg. \$165,936.03 per month avg.

24.8 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-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	300	\$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	379	\$489,546.60	273.4	119.8	43.0	25.4
Jul-2022									
Aug-2022									
Sep-2022									
Oct-2022									
Nov-2022									
Dec-2022									
TOTALS	4,490.2	0	1,687,485	336	\$1,991,232.30	1,945.0	123.9	264.3	320.6

Low value for year

High value for year

### 2021 Oxidizer Figures for Comparison:

### 2021 OXIDIZER BUDGET

BUDGET = \$2,050,000.00 for year

COST = \$3,341,237.44 to date

% USED = 162.99% to date

BUDGET = \$5,616.44 per day avg. \$170,833.33 per month avg.

COST = \$9,154.08 per day avg. \$278,436.45 per month avg.

23.4 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-2021	714.9	0	461,790	663	\$182,591.77	494.8	88.2	40.7	66.8
Feb-2021	660.8	0	415,870	664	\$164,435.00	507.8	62.0	37.0	42.7
Mar-2021	742.1	0	305,120	419	\$120,644.45	756.2	102.7	40.1	81.9
Apr-2021	726.4	0	489,925	682	\$193,716.35	540.3	94.4	41.8	78.9
May-2021	640.6	0	697,120	1102	\$275,641.25	463.4	125.2	42.2	69.8
Jun-2021	616.1	0	763,300	1256	\$301,808.82	508.3	134.8	39.4	65.4
Jul-2021	831.1	6,020	707,480	964	\$295,949.45	399.2	114.6	46.6	51.7
Aug-2021	604.1	0	739,870	1236	\$441,702.39	426.6	110.1	40.2	90.6
Sep-2021	729.8	0	820,735	1164	\$489,978.80	487.0	100.0	45.4	97.6
Oct-2021	795.4	0	739,280	993	\$441,350.16	366.3	119.1	47.0	80.4
Nov-2021	720.6	0	437,110	895	\$260,954.67	429.8	162.8	43.7	67.2
Dec-2021	775.6	0	288,885	383	\$172,464.35	408.8	180.0	44.4	42.9
TOTALS	8,557.5	6,020	6,866,485	868	\$3,341,237.44	5,788.5	106.1	508.3	836.0

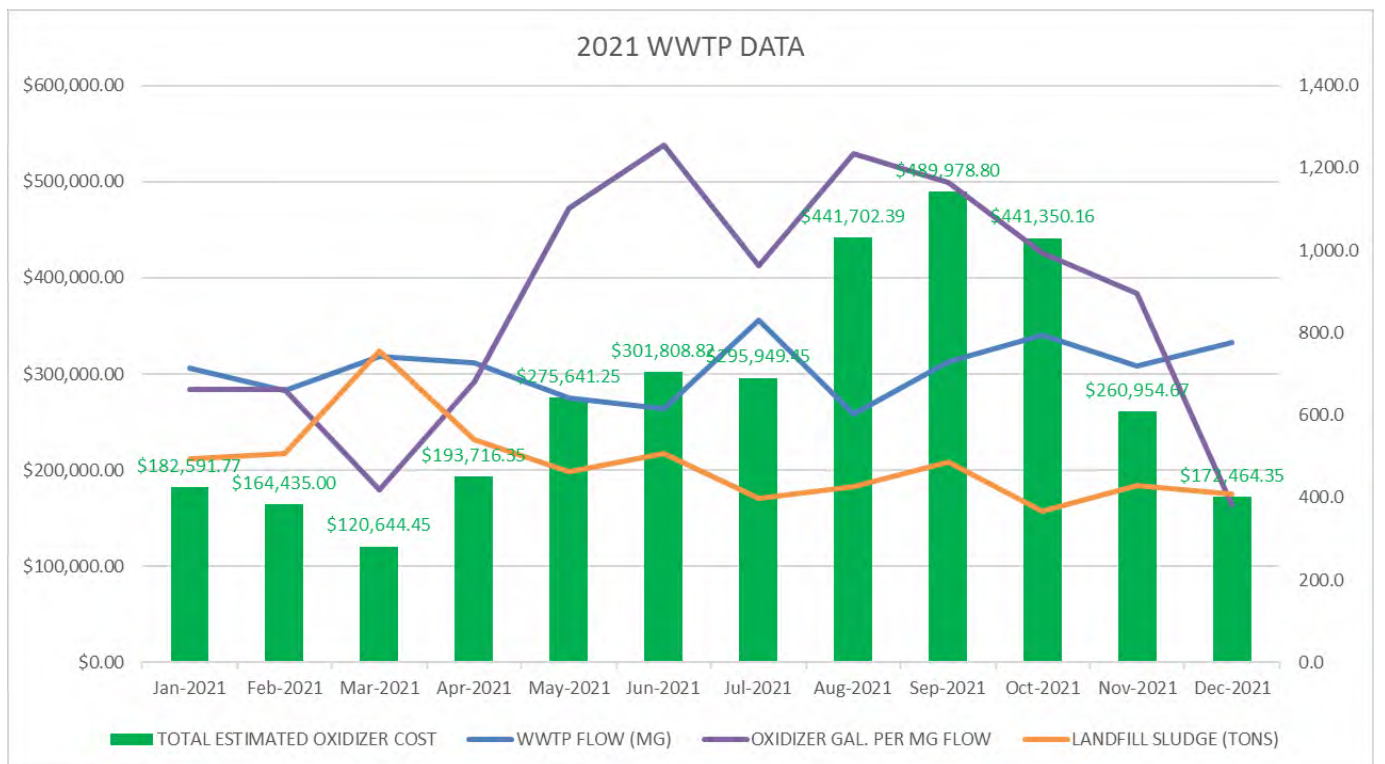
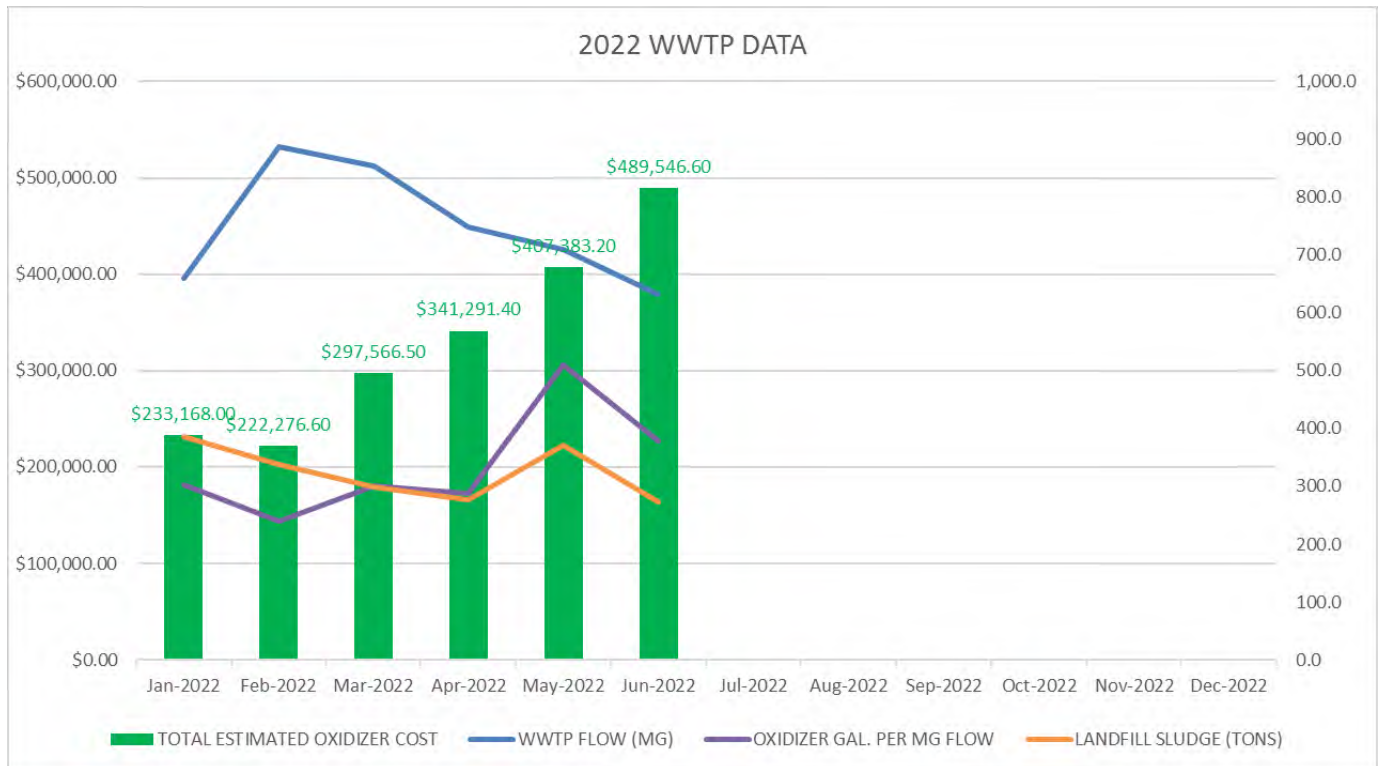
Low value for year

High value for year





## 6. Continued





## **7. SECURITY REPORT— Joe Argona 7/12/2022**

No WWTP security incidents were reported in June.

## **8. INFORMATION TECHNOLOGY (I.T.) 7/14/2022**

### **Key System statuses**

**VMware Environment** – Joe - No issues to report.

**New World Cloud** – Joe - No issues to report.

**Exchange Office 365** – Joe - No issues to report.

**Network WTP/WWTP/Gorge** – Joe – All sites on new Network hardware, each site is fully functional.

**Network Security** – Joe – All systems secured, no incidents to report.

### **Priority issues resolved/Addressed for the current month: (Not Included: Routine User Issues)**

- Restored connectivity to DSSNVR Server for WWTP Lab LIMS data access – changed network gateway, worked on SQL services issue.
- Reprogrammed every Verizon phone to work with our new network configuration.
- Installed new VPN client on every remote device, restoring secure encrypted external connectivity to internal systems.
- Setup office technology for Director of Administrative Services San Lorenzo.
- Programmed new network switch and installed in conference room.
- Programmed and deployed new network switch for WWTP maintenance.
- Installed 192 security updates and patches on servers.
- Upgraded New World to most current version.
- Received 2 additional WWTP Paychex time clocks and configured them.



### **Project planning:**

- Project to replace Barracuda backup with industry leading Veeam to save on costs with identical services. Yearly cost savings approximately \$10,616.54 year.
- Exploring option to replace Symantec antivirus w/ new modern zero-day security response system utilizing new Sophos firewalls.
- Exploring PA/intercom option using a digital IP based system to address need for alarm or PA system at WWTP.
- Have discussed potential thin client PC deployment hosting options with a vendor. This will allow for very granular control of a PC and also greatly simplify setting up and deploying devices to end users; it's also very cost effective but a lot of pre- planning is required to build departmental images and configure a PXE environment.
- Wi-Fi – The plan is to setup 2 Wi-Fi networks – one being a production network and the other a guest network on its own Vlan to ensure our network is not accessible.





**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



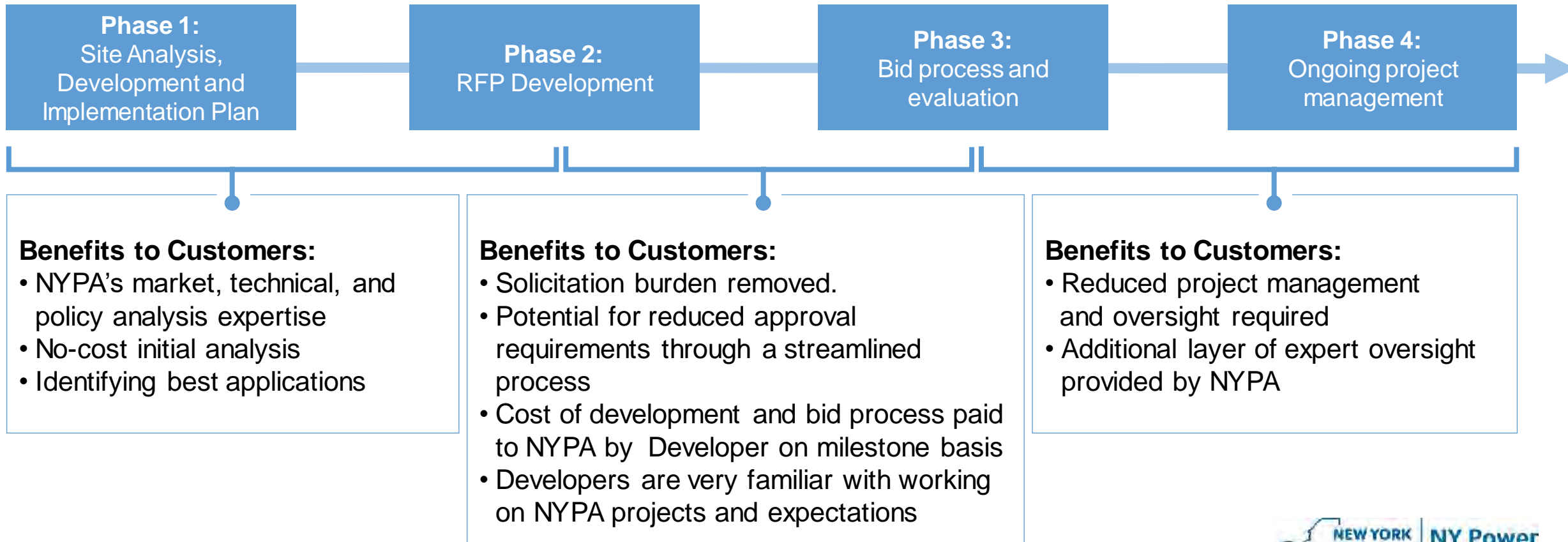
## Managed Services

- 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

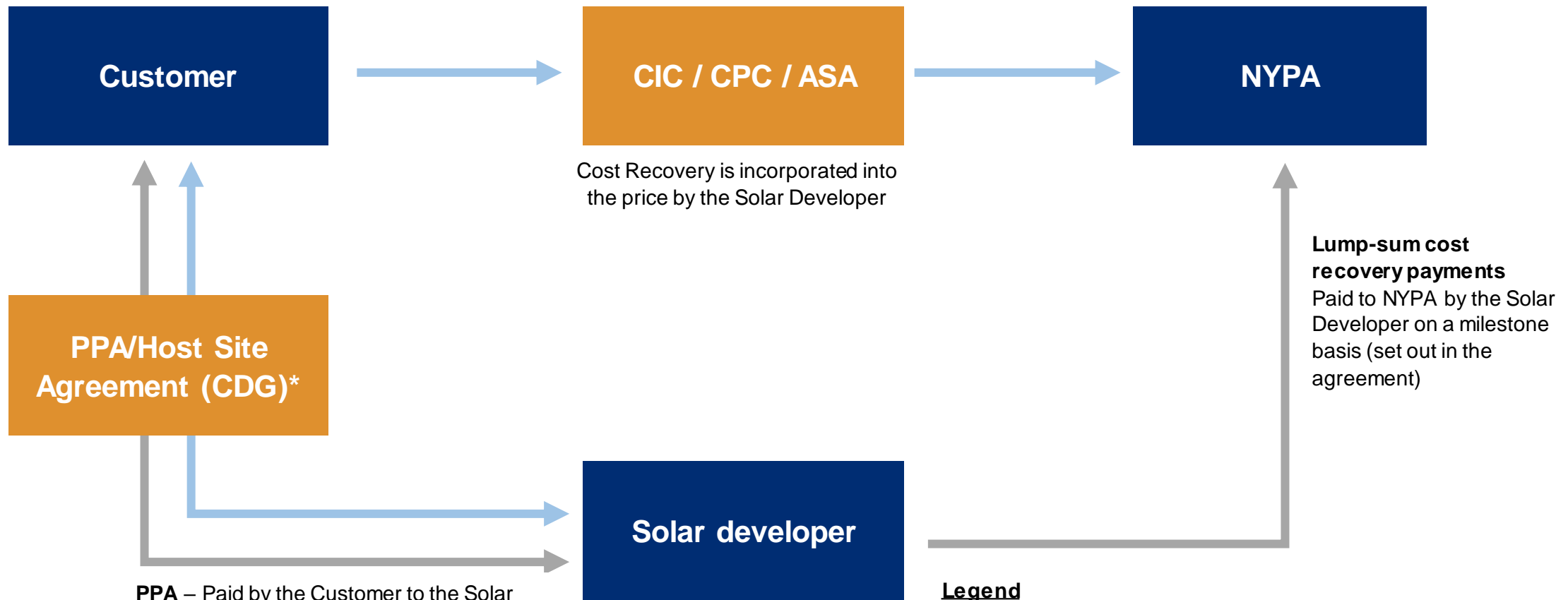
## Examples of some Customers we are currently working with:

- 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**

# Standard DER Advisory Services Contract Structure



**PPA** – Paid by the Customer to the Solar Developer (Cost Recovery will have been incorporated into this price by the Developer)  
**CDG** – Paid by the Solar Developer to Customer as lease payments

## Legend

 Contract Flow  
 Cash Flow

CIC – Customer Installation Commitment

CPC – Customer Project Commitment

ASA – Advisory Services Agreement



# Case Study: City of White Plains Community Solar

## Project Background

- 6.8 MWs Solar with 1.75 MW of Energy Storage
- Generating >\$1M in annual revenue to the City
- Additional \$100,000 in annual electric bill savings to the City
- Generates enough energy to supply 700 households





# 5815 Buffalo Avenue

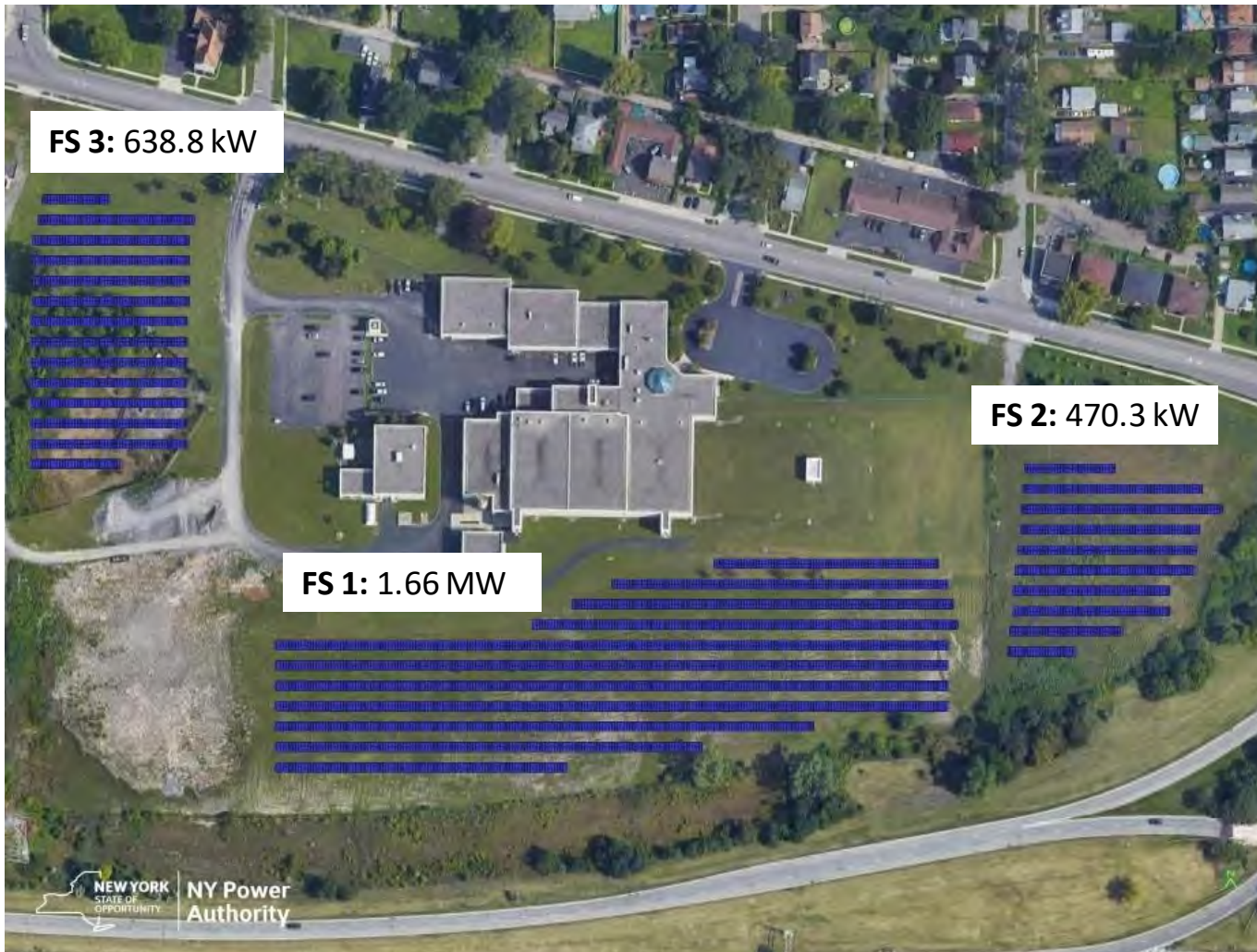


## Local Feeder Level Hosting Capacity for PV

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
<b>Field Segment 1</b>	1.66 MW	1.875 GWh	1,126.8
<b>Field Segment 2</b>	470.3 kW	529.9 MWh	1,126.7
<b>Field Segment 3</b>	638.8 kW	720.5 MWh	1,127.8

**Total System Capacity: 2.77 MW**



# 1201 Buffalo Avenue

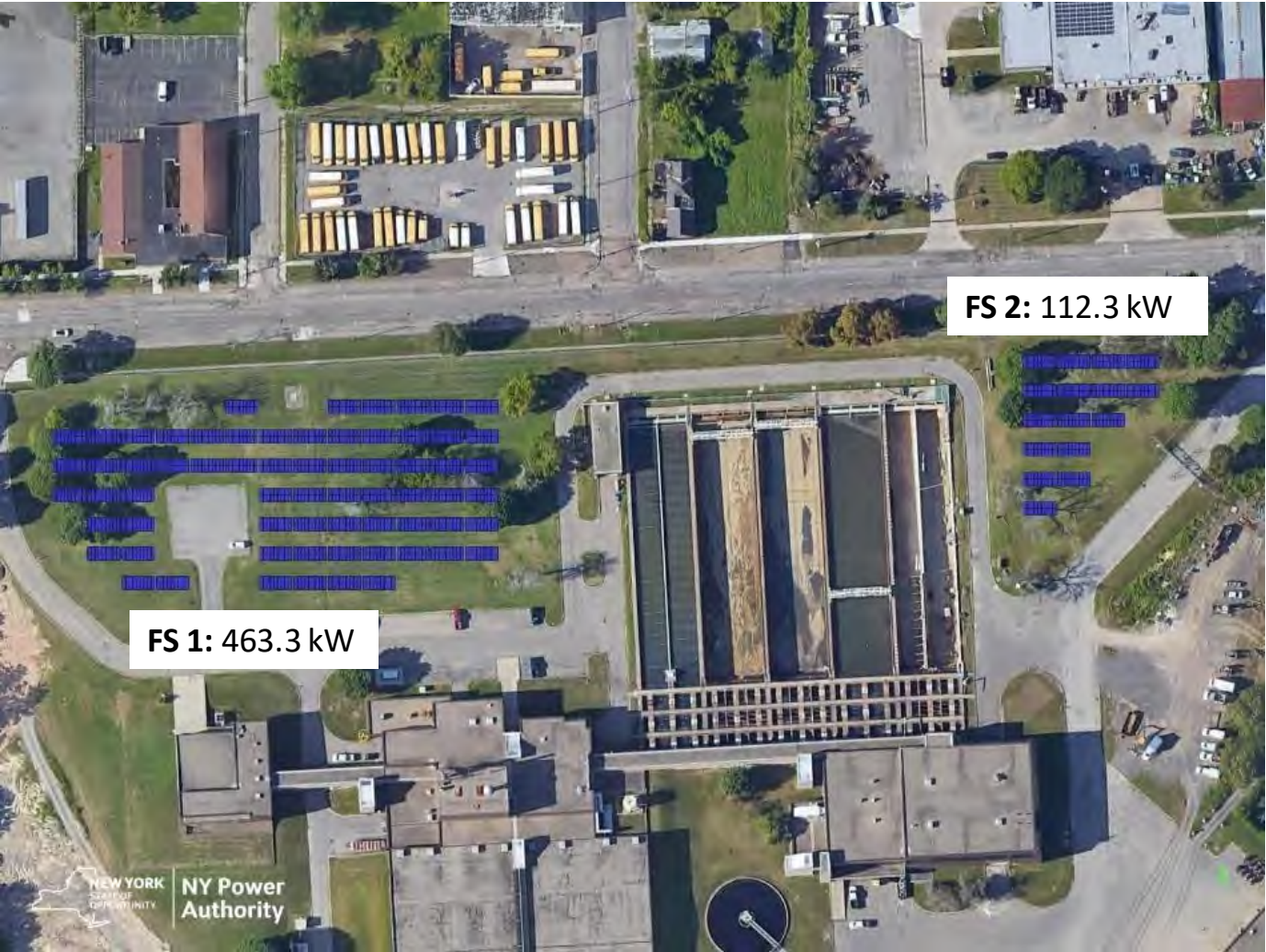


## Local Feeder Level Hosting Capacity for PV

Substation/Bank Name	BUFF AVE STA
Feeder	36_03_21552
Local Voltage (kV)	13.20
Local Maximum Hosting Capacity (MW)	8.57
Local Minimum Hosting Capacity (MW)	8.57



# 1201 Buffalo Avenue



Preliminary Solar Design			
	Capacity	Annual Production	kWh/kWp
Field Segment 1	463.3 kW	601.7 MWh	1,298.8
Field Segment 2	112.3 kW	146 MWh	1,299.7

**Total System Capacity: 575.6 kW**

**AWARD OF BID FOR WATER AND SEWER  
CONSTRUCTION AND REPAIR MATERIALS**

**WHEREAS**, the Niagara Falls Water Board (“Water Board”) maintains an extensive system of water and sewer facilities and appurtenant structures that from time to time require repair, reconstruction, or expansion through construction; and

**WHEREAS**, Water Board staff worked with City of Niagara Falls Purchasing to develop a list of 231 different items commonly used by the Water Board for water and sewer construction and repairs, such as pipe of different materials and sizes, fittings, manhole components, catch basins, fire hydrants, etc.; and

**WHEREAS**, City of Niagara Falls Purchasing put the list of items out to bid under Bid # W2022-01 in a manner that permits the award of the bid for each item to appropriate vendors, with Item Numbers 98-108, 109-120, 121-124, 125-128, and 129-132 to be awarded grouped together for award to one vendor to ensure product compatibility and efficiency; and

**WHEREAS**, City of Niagara Falls Purchasing has tabulated the results and Water Board staff recommend the award of the bid for each item as set forth herein, except that there shall be no award for Bid Item Numbers 16, 19, 20, 89, 162, 196-201, 217, and 224, for which no bid was received;

\*                      CONTINUED ON NEXT PAGE                      \*

**NOW THEREFORE BE IT**

**RESOLVED**, that the Niagara Falls Water Board awards Bid # W2022-1 for the water and sewer construction and repair materials by bid item number as follows:

**TO: K & S Contractors Supply, Incorporated**

**FOR:** Item Numbers: 1-5, 7-10, 13-14, 17, 37 – 41, 47-62, 77-87, 90, 92, 94, 133-160, and 167-17

**TO: Core & Main LP**

**FOR:** Item Numbers: 6, 11, 12, 15, 18, 21-36, 42-46, 63-76, 88, 91, 93, 95-108, 121-124, 161, 163-166, 178-194, 202-216, 218-223, and 225-231

**TO: EJP, Incorporated**

**FOR:** Items Numbers: 109-120, 125-132

**TO: Kistner Concrete Products**

**FOR:** Item Number: 195; and

**IT IS FURTHER RESOLVED**, that the Executive Director hereby is authorized to execute any documents required to award the bid as indicated, and budgeted purchases may be made from the vendors awarded the bid.

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

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

Water Construction FA.8340.0200.0419.006

Sewer Construction FA.8120.4900.0419.006

Undesignated Supplies Water FA.8340.0200.0419.599

Undesignated Supplies Sewer GA.8120.4900.0419.599

On July 25, 2022, the question of the adoption of the foregoing Resolution was duly put to a vote on roll call, which resulted as follows:

	<b>Yes</b>	<b>No</b>	<b>Abstain</b>	<b>Absent</b>
Board Member Asklar	[   ]	[   ]	[   ]	[   ]
Board Member Kimble	[   ]	[   ]	[   ]	[   ]
Board Member Larkin	[   ]	[   ]	[   ]	[   ]
Board Member Leffler	[   ]	[   ]	[   ]	[   ]
Chairman Forster	[   ]	[   ]	[   ]	[   ]

Signed By:

Vote Witnessed By:

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Nicholas J. Forster, Chairman

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Sean W. Costello, Secretary to Board



**TO:** Niagara Falls Water Board

**FROM:** Dr. Abderrahman Zehraoui, Executive Director  
Sean Costello, General Counsel and Secretary

**DATE:** July 13, 2022

**SUBJECT:** Bid #W2022-01 Water and Sewer Construction and Repair Materials

We respectfully request you award the above referenced bid per the enclosed tally sheet as follows:

**TO:** **K & S Contractors Supply, Incorporated**  
1971 Gunnville Road  
Lancaster, New York 14086

**FOR:** Item Numbers: 1-5, 7-10, 13-14, 17, 37 – 41, 47-62, 77-87, 90, 92, 94, 133-160, and 167 – 177

**TO:** **Core & Main LP**  
550 West Avenue  
Lockport, New York 14094

**FOR:** Item Numbers: 6, 11 - 12, 15, 18, 21-36, 42 -46, 63 – 76, 88, 91, 93, 95 – 108, 121-124, 161, 163 – 166, 178 - 194, 202 – 216, 218 – 223, and 225 – 231

**TO:** **EJP, Incorporated**  
200 Lake Avenue  
Blasdell, New York 14219

**FOR:** Items Numbers: 109 – 120, 125 – 132,

**TO:** **Kistner Concrete Products**  
8713 Read Road  
East Pembroke, New York 14056

**FOR:** Item Number: 195

**ASKLAR** \_\_\_\_\_ **KIMBLE** \_\_\_\_\_ **LARKIN** \_\_\_\_\_ **LEFFLER** \_\_\_\_\_ **FORSTER** \_\_\_\_\_

5815 Buffalo Avenue • Niagara Falls, New York 14304 • 716 283-9770 • FAX 716 283-9748

[www.nfwb.org](http://www.nfwb.org)



Item Numbers 98 -108, 109 -120, 121 – 124, 125 -128, and 129 - 132 to be awarded, with the exception of Corporation Stops (Items 153 through 162), in groups to one vendor, in accordance with Paragraph 10 of the Bid Specifications to ensure product compatibility and efficiency. The Corporation Stops are to be awarded individually by number to the lowest priced vendor as they are compatible products and therefore the lowest price should be accepted for each item.

Additionally, please note that no bids were received for Item Numbers 16, 19, 20, 89, 162, 196 – 201, 217, and 224.

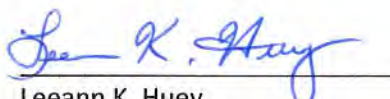
The Purchasing Agent certifies that all bids were solicited in accordance with Section 103 of the General Municipal Law.

Notice that bids were to be received was advertised in the Niagara Gazette and bid requests were sent to thirteen (13) vendors. Five (5) bids were received. The above referenced vendors have submitted the lowest bids to meet the specifications for each respective item.

Funds for this expenditure are available as needed in the Outside Water budget code.

Respectfully submitted,

\_\_\_\_\_  
Dr. Abderrahman Zehraoui  
Executive Director  
Niagara Falls Water Board

  
\_\_\_\_\_  
Leeann K. Huey  
Purchasing Agent  
City of Niagara Falls

LKH  
Attachment/Enclosure

ASKLAR \_\_\_\_\_ KIMBLE \_\_\_\_\_ LARKIN \_\_\_\_\_ LEFFLER \_\_\_\_\_ FORSTER \_\_\_\_\_

5815 Buffalo Avenue • Niagara Falls, New York 14304 • 716 283-9770 • FAX 716 283-9748

[www.nfiwb.org](http://www.nfiwb.org)

# OFFICIAL TALLY SHEET WATER AND SEWER CONSTRUCTION AND REPAIR MATERIALS BID #W2022-01

TI – Sales Inc.  
36 Hudson Road (Route 27)  
Sudbury MA 01776

Core & Main LP  
650 West Avenue  
Lockport NY 14094

Kistner Concrete Products  
8713 Read Road  
East Pembroke NY 14056

E.J.P.  
200 Lake Avenue  
Blasdell NY 14219

K & S Contractors Supply Inc  
1971 Gunnville Road  
Lancaster NY 14086

ITEM #	QNTY	UNIT	DESCRIPTION	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE
<b>MUELLER OR KENNEDY HYDRANT INSERTS (SCREW IN TYPE TO REPLACE WOODS-MATTHEWS) WILL BE ORDERED IN MINIMUM QUANTITIES OF FIVE (5) UNITS</b>								
1	5	EA.	5 FT.	No Bid	No Bid	No Bid	No Bid	3894.00
<b>STANDARD BURY FIRE HYDRANTS (MUELLER CENTURION KENNEDY GUARDIAN)</b>								
2	5	EA.	4 FT. Bury	No Bid	3099.00	No Bid	No Bid	3024.40
3	15	EA.	5 FT. Bury	No Bid	3242.00	No Bid	No Bid	3164.90
4	5	EA.	6 FT. Bury	No Bid	3386.00	No Bid	No Bid	3305.40
<b>BREAKAWAY KITS</b>								
5	15	EA.	Breakaway Kits for Kennedy Guardian:	No Bid	305.00	No Bid	No Bid	256.00
6	15	EA.	Breakaway Kits for Mueller Centurion:	No Bid	305.00	No Bid	No Bid	No Bid
<b>CAST IRON CURB &amp; VALVE BOX PARTS, ALL SCREW TYPE VALVE AND CURB BOXES SHALL BE AS MANUFACTURED BY BIBBY-ST. CROIX FOUNDRIES, INC. OR EQUIVALENT COVERS SHALL BE CAST WITH "WATER" LABEL ON TOP VALVE ROAD BOXES:</b>								
7	20	EA.	Bases-14 3/8" base, 8 1/4" top, 12 3/8" high	No Bid	70.00	No Bid	No Bid	64.93
8	20	EA.	Top Section 26"	No Bid	130.00	No Bid	No Bid	66.90
9	20	EA.	Top Sections 17"	No Bid	84.00	No Bid	No Bid	42.53
10	20	EA.	Bottom Sections 30"	No Bid	130.00	No Bid	No Bid	61.38
11	20	EA.	Bottom Sections 24"	No Bid	130.00	No Bid	No Bid	No Bid
12	20	EA.	Bottom Sections 16"	No Bid	130.00	No Bid	No Bid	No Bid
13	30	EA.	Shaft Extensions 26"	No Bid	96.00	No Bid	No Bid	61.38
14	30	EA.	Shaft Extensions 16"	No Bid	96.00	No Bid	No Bid	47.84

<b>OFFICIAL TALLY SHEET WATER AND SEWER CONSTRUCTION AND REPAIR MATERIALS BID #W2022-01</b>				<b>TI – Sales Inc. 36 Hudson Road Sudbury MA 01776</b>	<b>Core &amp; Main LP 650 West Avenue Lockport NY 14094</b>	<b>Kistner Concrete Products 8713 Read Road East Pembroke NY 14056</b>	<b>E.J.P. 200 Lake Avenue Blasdell NY 14219</b>	<b>K &amp; S Contractors Supply Inc 1971 Gunnville Road Lancaster NY 14086</b>
ITEM #	QNTY	UNIT	DESCRIPTION	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE
<b>VALVE BOX HEIGHT ADAPTERS (FOR ADJUSTING BOXES TO PAVEMENT LEVEL)</b>								
15	50	EA.	Slide-Type, Adjustment Range 2-1/2" to 8" 10-3/4" Height, 4-3/8" inner diameter	No Bid	97.00	No Bid	No Bid	No Bid
16	50	EA.	Screw-Type, Adjustment Range 2-1/2" to 8" 16-1/2" Height, 5-1/4" inner diameter	No Bid	No Bid	No Bid	No Bid	No Bid
<b>VALVE BOX REGULATOR COVERS 5-1/4"</b>								
17	40	EA.	(MARKED WATER)	No Bid	23.00	No Bid	No Bid	16.62
<b>CURB BOXES</b>								
18	25	EA.	Bottom 33"	No Bid	53.00	No Bid	No Bid	No Bid
19	25	EA.	Bottom 24"	No Bid	No Bid	No Bid	No Bid	No Bid
20	25	EA.	Top Section w/Cover 16"	No Bid	No Bid	No Bid	No Bid	No Bid
21	25	EA.	Top Section w/Cover 24"	No Bid	102.00	No Bid	No Bid	No Bid
22	25	EA.	Extension 9"	No Bid	24.00	No Bid	No Bid	No Bid
23	25	EA.	Extension 16"	No Bid	34.00	No Bid	No Bid	No Bid
24	50	EA.	Old Style Repair Lid (Outside Lip)	No Bid	14.40	No Bid	No Bid	No Bid
25	50	EA.	New Style Repair Lid (Inside Lip)	No Bid	14.40	No Bid	No Bid	No Bid
<b>CAST IRON VALVE ROAD BOX RISERS</b>								
26	30	EA.	1"	No Bid	9.00	No Bid	No Bid	No Bid
27	15	EA.	2"	No Bid	14.00	No Bid	No Bid	No Bid
28	10	EA.	4"	No Bid	30.00	No Bid	No Bid	No Bid
29	10	EA.	6"	No Bid	39.00	No Bid	No Bid	No Bid
<b>DUCTILE IRON PIPE - ANSI/AWWA C151/A21.51 CLASS 52 STANDARD 18'- 20' LENGTHS - PUSH-ON JOINT</b>								
30	95	FEET	4"	No Bid	40.76	No Bid	No Bid	No Bid
31	190	FEET	6"	No Bid	31.33	No Bid	No Bid	No Bid
32	95	FEET	8"	No Bid	44.20	No Bid	No Bid	No Bid
33	95	FEET	10"	No Bid	57.94	No Bid	No Bid	No Bid



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ITEM #	QNTY	UNIT	DESCRIPTION	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE
<b>DUCTILE IRON PIPE - ANSI/AWWA C151/A21.51 CLASS 52 CONTINUED</b>								
<b>STANDARD 18'- 20' LENGTHS - PUSH-ON JOINT</b>								
34	120	FEET	12"	No Bid	72.95	No Bid	No Bid	No Bid
35	40	FEET	16"	No Bid	105.58	No Bid	No Bid	No Bid
36	120	FEET	20"	No Bid	138.62	No Bid	No Bid	No Bid
<b>TRANSITION COUPLINGS (DRESSER TYPE)-COMPRESSION TYPE WITH ALL ACCESSORIES TO ADAPT FROM CAST IRON TO DUCTILE IRON PIPE – CLASS 52 AWWA 151</b>								
37	26	EA.	4"	No Bid	<sup>15</sup> 136.00	No Bid	No Bid	66.42
38	30	EA.	6"	No Bid	<sup>15</sup> 164.00	No Bid	No Bid	90.28
39	14	EA.	8"	No Bid	<sup>15</sup> 164.00	No Bid	No Bid	119.94
40	18	EA.	10"	No Bid	<sup>15</sup> 311.00	No Bid	No Bid	154.11
41	8	EA.	12"	No Bid	<sup>15</sup> 398.00	No Bid	No Bid	245.88
42	10	EA.	20"	No Bid	<sup>15</sup> 621.00	No Bid	No Bid	687.36
<b>PVC WATERMAIN – AWWA C900 DR-18</b>								
43	6	EA.	4" 20' Length	No Bid	9.00	No Bid	No Bid	No Bid
44	6	EA.	6" 20' Length	No Bid	18.00	No Bid	No Bid	No Bid
45	4	EA.	8" 20' Length	No Bid	31.00	No Bid	No Bid	No Bid
46	5	EA.	10" 20' Length	No Bid	45.00	No Bid	No Bid	No Bid
<b>360 DEGREE STAINLESS STEEL REPAIR CLAMPS-FORD FS SERIES OR EQUAL, 18-8 TYPE 304 SS, 4" TO 10" IN ONE SECTION, 12" &amp; 16" IN TWO SECTIONS, OVER 16" IN THREE SECTIONS</b>								
			<i>Diameter x Length</i>	<i>Size/Range</i>				
47	10	EA.	4" X 12"	4.75 X 5.15	No Bid	<sup>16</sup> 132.00	No Bid	<sup>19</sup> 128.05 101.51
48	8	EA.	4" X 12"	(w/tapped 1" cc outlet)	No Bid	<sup>16</sup> 156.00	No Bid	<sup>19</sup> 172.59 122.77
49	5	EA.	4" X 20"	4.75 - 5.15	No Bid	<sup>16</sup> 217.00	No Bid	<sup>19</sup> 226.11 193.03
50	20	EA.	6" X 12"	6.84 - 7.24	No Bid	<sup>16</sup> 153.00	No Bid	<sup>19</sup> 153.93 112.63
51	8	EA.	6" X 12"	(w/tapped 3/4" cc outlet)	No Bid	<sup>16</sup> 173.00	No Bid	<sup>19</sup> 198.46 133.12
52	4	EA.	6" X 12"	(w/tapped 1" cc outlet)	No Bid	<sup>16</sup> 176.00	No Bid	<sup>19</sup> 198.46 133.12

# OFFICIAL TALLY SHEET WATER AND SEWER CONSTRUCTION AND REPAIR MATERIALS BID #W2022-01

TI – Sales Inc.  
36 Hudson Road  
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Core & Main LP  
650 West Avenue  
Lockport NY 14094

Kistner Concrete Products  
8713 Read Road  
East Pembroke NY 14056

E.J.P.  
200 Lake Avenue  
Blasdell NY 14219

K & S Contractors Supply Inc  
1971 Gunville Road  
Lancaster NY 14086

ITEM #	QNTY	UNIT	DESCRIPTION		UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE
360 DEGREE STAINLESS STEEL REPAIR CLAMPS-FORD FS SERIES OR EQUAL 18-8 TYPE 304 SS, 4" to 10" IN ONE SECTION, 12" & 16" IN TWO SECTIONS, OVER 16" IN THREE SECTIONS (continued)									
			Diameter X Length	Size/Range					
53	6	EA.	6" x 20"	6.84 X 7.24	No Bid	<sup>16</sup> 249.00	No Bid	<sup>19</sup> 280.35	193.75
54	10	EA.	8" X 12"	9.05 - 9.30	No Bid	<sup>16</sup> 172.00	No Bid	<sup>19</sup> 181.00	123.24
55	6	EA.	8" X 12"	(w/tapped 3/4" cc outlet)	No Bid	<sup>16</sup> 196.00	No Bid	<sup>19</sup> 225.55	144.40
56	6	EA.	8" X 12"	(w/tapped 1" cc outlet)	No Bid	<sup>16</sup> 196.00	No Bid	<sup>19</sup> 225.55	144.40
57	6	EA.	8" X 20"	9.05 - 9.30	No Bid	<sup>16</sup> 277.00	No Bid	<sup>19</sup> 302.91	112.40
58	6	EA.	10" X 12-1/2"	11.04 – 11.44	No Bid	<sup>16</sup> 212.00	No Bid	<sup>19</sup> 244.50	168.73
59	6	EA.	10" X 12-1/2"	(w/tapped 3/4" cc outlet)	No Bid	<sup>16</sup> 238.00	No Bid	<sup>19</sup> 288.69	187.76
60	6	EA.	10" X 12-1/2"	(w/tapped 1" cc outlet)	No Bid	<sup>16</sup> 238.00	No Bid	<sup>19</sup> 288.69	187.76
61	6	EA.	10" X 12-1/2"	oversized 11.37 – 11.75	No Bid	<sup>16</sup> 227.00	No Bid	<sup>19</sup> No Bid	168.73
62	6	EA.	12" X 15"	13.20 – 13.50	No Bid	<sup>16</sup> 278.00	No Bid	<sup>19</sup> 428.78	201.41
GATES VALVES – CUT – IN MJ X MJ TYPR RESILIENT SEAT (WITH ALL ACCESSORIES) – BONNET STUFFING BOX, AND RETAINING BOLTS, NUTS AND WASHERS TO BE STAINLESS STEEL – ALL CLOSE CLOCKWISE, AWWA C509 MUELLER CO. OR EQUAL									
63	6	EA.	4"		No Bid	219.00	No Bid	No Bid	998.01
64	6	EA.	6"		No Bid	917.00	No Bid	No Bid	1363.69
65	6	EA.	8"		No Bid	1461.00	No Bid	No Bid	2086.99
66	4	EA.	10"		No Bid	2275.00	No Bid	No Bid	2979.80
BUTTERFLY VALVES – MJ X MJ (WITH ALL ACCESSORIES) – ALL CLOSE CLOCKWISE, AWWA C504 – PRATT OR MUELLER									
67	2	EA.	12"		No Bid	1857.00	No Bid	No Bid	2033.33
68	2	EA.	16"		No Bid	3278.00	No Bid	No Bid	3977.78
69	2	EA.	20"		No Bid	4930.00	No Bid	No Bid	5988.89
70	2	EA.	24"		No Bid	6807.00	No Bid	No Bid	8311.11

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ITEM #	QNTY	UNIT	DESCRIPTION	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE
<b>MECHANICAL JOINT ACCESSORIES PACKAGE TO INCLUDE GLAND RUBBER GASKET AND BOLTS MJ ENDS AND ACCESSORIES TO MEET ANSI/AWWA C111/21.11 Size:</b>								
71	12	EA.	4"	No Bid	40.00	No Bid	No Bid	No Bid
72	12	EA.	6"	No Bid	53.00	No Bid	No Bid	No Bid
73	12	EA.	8"	No Bid	61.00	No Bid	No Bid	No Bid
74	12	EA.	10"	No Bid	85.00	No Bid	No Bid	No Bid
75	12	EA.	12"	No Bid	100.00	No Bid	No Bid	No Bid
76	12	EA.	16"	No Bid	140.00	No Bid	No Bid	No Bid
<b>MEGALUG RESTRAINTS SERIES 1100</b>								
77	10	EA.	4"	No Bid	26.00	No Bid	No Bid	24.71
78	10	EA.	6"	No Bid	31.00	No Bid	No Bid	29.05
79	10	EA.	6" Series 1100X Oversize	No Bid	53.00	No Bid	No Bid	50.68
80	6	EA.	8"	No Bid	46.00	No Bid	No Bid	44.37
81	6	EA.	10"	No Bid	69.00	No Bid	No Bid	65.66
<b>PLASTIC/BRASS/COPPER SERVICE LINE MATERIALS BUSHINGS: (MUELLER (CC) THREAD) MUELLER H-10036, FORD BBAA SERIES OR EQUAL Size:</b>								
82	12	EA.	1" cc to 3/4" cc	119.56	56.81	No Bid	No Bid	14.41
83	12	EA.	1 1/2" cc X 3/4" cc	152.73	63.00	No Bid	No Bid	38.85
84	12	EA.	1 1/2" cc X 1" cc	152.90	63.00	No Bid	No Bid	38.98
85	6	EA.	2" cc X 3/4" cc	184.41	87.00	No Bid	No Bid	62.20
86	6	EA.	2" cc X 1" cc	186.33	87.00	No Bid	No Bid	63.61
87	6	EA.	2" cc X 1 1/2" cc	164.40	93.00	No Bid	No Bid	47.45

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8713 Read Road  
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E.J.P.  
200 Lake Avenue  
Blasdell NY 14219

K & S Contractors Supply Inc  
1971 Gunnville Road  
Lancaster NY 14086

ITEM #	QNTY	UNIT	DESCRIPTION	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE
<b>PLUGS: THREAD AS INDICATED MUELLER H-1003X SERIES, FORD CSP SERIES OR EQUAL</b>								
<b>Size:</b>								
88	10	EA.	1/2" IPT	No Bid	3.75	No Bid	No Bid	No Bid
89	10	EA.	5/8" IPT	No Bid	No Bid	No Bid	No Bid	No Bid
90	8	EA.	3/4" cc	No Bid	20.00	No Bid	No Bid	8.78
91	4	EA.	3/4" IPT	No Bid	4.85	No Bid	No Bid	8.25
92	4	EA.	1" cc	No Bid	21.00	No Bid	No Bid	12.80
93	4	EA.	1" IPT	No Bid	8.20	No Bid	No Bid	13.16
94	4	EA.	1 1/2" cc	No Bid	38.00	No Bid	No Bid	34.63
95	4	EA.	1 1/2" IPT	No Bid	8.50	No Bid	No Bid	30.38
96	4	EA.	2" cc	No Bid	49.00	No Bid	No Bid	59.32
97	4	EA.	2" IPT	No Bid	13.40	No Bid	No Bid	54.07
<b>BUSHINGS: (IP THREAD)</b>								
<b>Size:</b>								
98	6	EA.	1/2" X 3/4"	No Bid	3.15	No Bid	3.17	No Bid
99	6	EA.	3/4" X 1"	No Bid	4.70	No Bid	4.72	No Bid
100	6	EA.	1" X 1-1/4"	No Bid	8.00	No Bid	8.05	No Bid
101	6	EA.	1-1/4" X 1-1/2"	No Bid	10.25	No Bid	10.30	No Bid
102	6	EA.	1-1/2" X 2"	No Bid	15.15	No Bid	15.26	No Bid
103	4	EA.	2" X 2-1/2"	No Bid	31.20	No Bid	30.53	No Bid
104	4	EA.	2" X 3"	No Bid	47.00	No Bid	46.11	No Bid
105	4	EA.	1" X 2"	No Bid	18.25	No Bid	18.38	No Bid
106	4	EA.	1-1/2" X 2"	No Bid	15.15	No Bid	15.26	No Bid
107	4	EA.	2" X 2-1/2"	No Bid	31.20	No Bid	30.53	No Bid
108	4	EA.	2-1/2" X 3"	No Bid	48.00	No Bid	46.11	No Bid

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ITEM #	QNTY	UNIT	DESCRIPTION	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE
<b>BRASS NIPPLES: (IP THREAD)</b>								
<b>Size:</b>								
109	10	EA.	3/4" close	No Bid	3.50	No Bid	2.37	No Bid
110	10	EA.	3/4" X 2"	No Bid	4.40	No Bid	3.02	No Bid
111	12	EA.	3/4" X 4"	No Bid	7.54	No Bid	5.22	No Bid
112	12	EA.	3/4" X 6"	No Bid	11.00	No Bid	7.64	No Bid
113	10	EA.	1" close	No Bid	5.15	No Bid	3.51	No Bid
114	10	EA.	1" X 2"	No Bid	6.35	No Bid	4.35	No Bid
115	10	EA.	1" X 4"	No Bid	11.00	No Bid	7.57	No Bid
116	10	EA.	1" X 6"	No Bid	16.00	No Bid	11.13	No Bid
117	8	EA.	1-1/2" close	No Bid	9.95	No Bid	6.92	No Bid
118	8	EA.	1-1/2" x 4"	No Bid	17.90	No Bid	13.26	No Bid
119	8	EA.	1 -1/2" x 6"	No Bid	26.40	No Bid	19.57	No Bid
120	8	EA.	2" x 6"	No Bid	34.00	No Bid	25.18	No Bid
<b>BRASS TEES FEMALE (IP THREAD)</b>								
121	8	EA.	3/4"	No Bid	7.13	No Bid	7.15	No Bid
122	8	EA.	1"	No Bid	12.70	No Bid	12.72	No Bid
123	6	EA.	1-1/2"	No Bid	24.45	No Bid	24.40	No Bid
124	6	EA.	2"	No Bid	40.00	No Bid	40.16	No Bid
<b>BRASS 90 DEGREE ELBOW FEMALE (IP THREAD)</b>								
125	6	EA.	3/4"	No Bid	5.80	No Bid	5.83	No Bid
126	6	EA.	1"	No Bid	9.00	No Bid	8.96	No Bid
127	6	EA.	1-1/2"	No Bid	24.75	No Bid	17.84	No Bid
128	6	EA.	2"	No Bid	29.00	No Bid	28.99	No Bid

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ITEM #	QNTY	UNIT	DESCRIPTION	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE
<b>BRASS STRAIGHT COUPLING FEMALE (IP THREAD)</b>								
129	10	EA.	3/4"	<sup>2</sup> 20.44	4.70	No Bid	4.68	No Bid
130	8	EA.	1"	<sup>3</sup> 27.74	7.15	No Bid	7.09	No Bid
131	6	EA.	1-1/2"	<sup>4</sup> 68.70	15.15	No Bid	15.11	No Bid
132	6	EA.	2"	<sup>5</sup> 96.02	25.00	No Bid	24.85	No Bid
<b>LEAD PACK COMPRESSION COUPLINGS LEAD ONE END/COPPER ON OTHER: (ALL ITEMS COMPLY WITH AWWA C-800-84) <i>Ford Nos. &amp; Size</i></b>								
133	35	EA.	Q28-33 3/4" strong to 3/4" IPT	42.90	No Bid	No Bid	No Bid	31.61
134	35	EA.	Q38-33 3/4" XXS to 3/4" IPT	50.11	No Bid	No Bid	No Bid	36.93
135	30	EA.	Q14-33 3/4" strong to 3/4" copper comp.	52.21	No Bid	No Bid	No Bid	38.47
136	35	EA.	Q24-33 3/4" XS to 3/4" copper comp.	59.24	No Bid	No Bid	No Bid	43.65
137	35	EA.	Q34-43 3/4" XXS to 3/4" copper	<sup>6</sup> 53.46	No Bid	No Bid	No Bid	39.39
138	20	EA.	Q24-43 1" XS to 3/4" copper	91.84	No Bid	No Bid	No Bid	67.67
139	20	EA.	Q34-43 1" XXS to 3/4" copper	89.31	No Bid	No Bid	No Bid	65.81
140	14	EA.	Q14-44 1" strong to 1" copper	96.70	No Bid	No Bid	No Bid	71.25
141	6	EA.	Q24-44 1" XS to 1" copper	94.56	No Bid	No Bid	No Bid	69.67
142	12	EA.	Q34-44 1" XXS to 1" copper	86.73	No Bid	No Bid	No Bid	63.91
143	10	EA.	Q24-66 1-1/2" XS to 1-1/2" copper	152.57	No Bid	No Bid	No Bid	112.42
144	10	EA.	Q24-77 2" XS to 2" copper	246.44	No Bid	No Bid	No Bid	181.59

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ITEM #	QNTY	UNIT	DESCRIPTION	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE
<b>ADAPTERS - ALL COMPRESSION</b>								
145	50	EA.	3/4" Male H-15-428	No Bid	23.51	No Bid	<sup>20</sup> 20.05	17.13
146	50	EA.	3/4" Female H-15-451	No Bid	25.20	No Bid	<sup>20</sup> 1.10	18.02
147	30	EA.	1" Male IPT to 1" Copper Compression	No Bid	27.78	No Bid	<sup>20</sup> 23.75	20.28
148	30	EA.	1" Female IPT to 1" Copper Compression	No Bid	36.00	No Bid	<sup>20</sup> 28.60	24.45
149	8	EA.	1-1/2" Male IPT to 1-1/2" Copper Compression	<sup>7</sup> 62.86	76.80	No Bid	<sup>20</sup> 65.03	55.58
150	8	EA.	1-1/2" Female IPT to 1-1/2" Copper Compression	<sup>8</sup> 80.40	98.22	No Bid	<sup>20</sup> 83.19	71.09
151	8	EA.	2" Female IPT H-15-451 to 2" Copper	<sup>9</sup> 95.74	117.00	No Bid	<sup>20</sup> 99.66	84.65
152	8	EA.	2" Male IPT H-15-428	<sup>10</sup> 91.58	112.00	No Bid	<sup>20</sup> 94.75	80.98
<b>CORPORATION STOPS:(Ford or Mueller Equivalent)</b> <b>Ford Nos. &amp; Size</b>								
153	12	EA.	F600-L04-33S 3/4" Copper w/swivel	No Bid	104.00	No Bid	<sup>20</sup> 40.22	34.36
			90 degree compression					
154	50	EA.	F600-L04-44S 1" Copper w/swivel	No Bid	120.00	No Bid	<sup>20</sup> 54.83	46.87
			90 degree compression					
155	12	EA.	F700-L0445 1" Iron pip w/swivel	No Bid	154.00	No Bid	<sup>20</sup> 65.71	46.87
			90 degree compression					
156	4	EA.	H-15-071-L04-66 1-1/2" Copper w/swivel	No Bid	No Bid	No Bid	<sup>20</sup> 142.46	121.71
			90 degree compression					
157	4	EA.	H-15-071-L04-77 2" Copper w/swivel	No Bid	No Bid	No Bid	<sup>20</sup> 240.46	205.42
			90 degree compression					
158	5	EA.	2" FB 800 AWWA Thread	No Bid	370.00	No Bid	<sup>20</sup> 298.31	255.01
159	12	EA.	3/4" 90 Degree Angle Meter Coupling L-38-23	No Bid	No Bid	No Bid	<sup>20</sup> 19.16	16.36
160	10	EA.	1" 90 Degree Angle Meter Coupling L-38-44	No Bid	No Bid	No Bid	<sup>20</sup> 27.33	23.34
161	6	EA.	1" IPT Female Cap	No Bid	6.00	No Bid	<sup>20</sup> No Bid	No Bid
162	6	EA.	3/4" IPT Inlet w/1" Male IPT Outlet	No Bid	No Bid	No Bid	<sup>20</sup> No Bid	No Bid

<b>OFFICIAL TALLY SHEET WATER AND SEWER CONSTRUCTION AND REPAIR MATERIALS BID #W2022-01</b>				<b>TI - Sales Inc. 36 Hudson Road Sudbury MA 01776</b>	<b>Core &amp; Main LP 650 West Avenue Lockport NY 14094</b>	<b>Kistner Concrete Products 8713 Read Road East Pembroke NY 14056</b>	<b>E.J.P. 200 Lake Avenue Blasdell NY 14219</b>	<b>K &amp; S Contractors Supply Inc 1971 Gunville Road Lancaster NY 14086</b>
ITEM #	QNTY	UNIT	DESCRIPTION	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE
<b>COPPER TUBING - TYPE K</b>								
163	10	EA.	60 Foot Rolls - 3/4"	No Bid	480.00	No Bid	<sup>20</sup> No Bid	No Bid
164	5	EA.	60 Foot Rolls - 1"	No Bid	660.00	No Bid	<sup>20</sup> No Bid	No Bid
165	4	EA.	60 Foot Rolls - 1-1/2"	No Bid	1002.60	No Bid	<sup>20</sup> No Bid	No Bid
166	4	EA.	60 Foot Rolls - 2"	No Bid	1222.00	No Bid	<sup>20</sup> No Bid	No Bid
<b>CURB STOPS: (Ford or Mueller Equivalent)</b>								
<b><i>Ford Nos. &amp; Description</i></b>								
167	16	EA.	B44-333 3/4" Copper	85.58	105.00	No Bid	<sup>20</sup> 88.55	75.67
168	25	EA.	B11-333 3/4" Reg. IPTHD	66.50	81.65	No Bid	<sup>20</sup> 68.80	58.80
169	8	EA.	B44-444 1" Copper	128.68	158.00	No Bid	<sup>20</sup> 133.10	113.78
170	8	EA.	B11-444 1" Reg IPTHD	103.38	127.00	No Bid	<sup>20</sup> 106.91	91.41
171	6	EA.	B44-666 1-1/2" Copper	307.90	360.00	No Bid	<sup>20</sup> 318.50	272.25
172	44	EA.	B44-777 2" Copper	432.87	535.00	No Bid	<sup>20</sup> 447.73	382.75
173	5	EA.	B11-777 2" Reg IPTHD	309.58	383.00	No Bid	<sup>20</sup> 320.20	273.74
174	20	EA.	Compression Coupling for 3/4" Copper to 3/4" Copper	<sup>11</sup> 23.60	28.70	No Bid	<sup>20</sup> 24.40	20.86
175	10	EA.	Compression Coupling 1" Copper to 1" Copper	<sup>12</sup> 26.99	31.30	No Bid	<sup>20</sup> 27.92	23.86
176	6	EA.	Compression Coupling 1-1/2" Copper to 1-1/2" Copper	<sup>13</sup> 90.33	110.00	No Bid	<sup>20</sup> 93.42	79.87
177	4	EA.	Compression Coupling 2" Copper to 2" Copper	<sup>14</sup> 121.93	149.00	No Bid	<sup>20</sup> 126.14	107.81



<b>OFFICIAL TALLY SHEET WATER AND SEWER CONSTRUCTION AND REPAIR MATERIALS BID #W2022-01</b>				<b>TI – Sales Inc. 36 Hudson Road Sudbury MA 01776</b>	<b>Core &amp; Main LP 650 West Avenue Lockport NY 14094</b>	<b>Kistner Concrete Products 8713 Read Road East Pembroke NY 14056</b>	<b>E.J.P. 200 Lake Avenue Blasdell NY 14219</b>	<b>K &amp; S Contractors Supply Inc 1971 Gunnville Road Lancaster NY 14086</b>
ITEM #	QNTY	UNIT	DESCRIPTION	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE
<b>TYTON JOINT</b>								
<i>Class 52 Ductile Iron Pipe</i>								
178		FT.	16" X 18.13'	No Bid	105.58	No Bid	No Bid	No Bid
179		FT.	20" X 18.13'	No Bid	138.62	No Bid	No Bid	No Bid
180		FT.	24" X 18.13'	No Bid	170.00	No Bid	No Bid	No Bid
<b>MECHANICAL JOINTS, SHORT BODY (COMPACT) WITH FLUOROCARBON COATING</b>								
181	10	EA.	16"	No Bid	140.00	No Bid	No Bid	No Bid
182	10	EA.	20"	No Bid	150.00	No Bid	No Bid	No Bid
183	10	EA.	24"	No Bid	174.00	No Bid	No Bid	No Bid
<b>MEGALUG RESTRAINTS D / I</b>								
184	6	EA.	1116 Series, Ductile Iron, 16"	No Bid	188.00	No Bid	No Bid	No Bid
185	6	EA.	1120 Series, Ductile Iron, 20"	No Bid	330.00	No Bid	No Bid	No Bid
186	6	EA.	1124 Series, Ductile Iron, 24"	No Bid	459.00	No Bid	No Bid	No Bid
<b>HYMAX COUPLINGS</b>								
187		EA.	4"	No Bid	199.00	No Bid	225.70	No Bid
188	50	EA.	6"	No Bid	264.00	No Bid	298.91	No Bid
189	20	EA.	8"	No Bid	298.00	No Bid	337.48	No Bid
190	10	EA.	10"	No Bid	383.00	No Bid	434.15	No Bid
191	6	EA.	12"	No Bid	453.00	No Bid	512.42	No Bid
192	8	EA.	16" (860-56-0434-16P)	No Bid	1351.00	No Bid	1403.51	No Bid
193	6	EA.	20" (860-56-0540-16P)	No Bid	1716.00	No Bid	1783.17	No Bid
194	6	EA.	24" (860-56-0624-16P)	No Bid	1828.00	No Bid	1898.75	No Bid

<b>OFFICIAL TALLY SHEET WATER AND SEWER CONSTRUCTION AND REPAIR MATERIALS BID #W2022-01</b>				<b>TI – Sales Inc. 36 Hudson Road Sudbury MA 01776</b>	<b>Core &amp; Main LP 650 West Avenue Lockport NY 14094</b>	<b>Kistner Concrete Products 8713 Read Road East Pembroke NY 14056</b>	<b>E.J.P. 200 Lake Avenue Blasdell NY 14219</b>	<b>K &amp; S Contractors Supply Inc 1971 Gunville Road Lancaster NY 14086</b>
ITEM #	QNTY	UNIT	DESCRIPTION	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE
<b>CATCH BASIN AND MANHOLE MATERIALS</b>								
195	75	EA.	Catch Basins, per Exhibit H, 3' X 3' outer diameter	No Bid	No Bid	<b>17</b> 621.40	No Bid	No Bid
196	50	EA.	Manhole frames, per Exhibit H, 7" rise	No Bid	No Bid	No Bid	No Bid	No Bid
197	50	EA.	Manhole covers, per Exhibit H, 7" rise	No Bid	No Bid	No Bid	No Bid	No Bid
198	75	EA.	Catch Basin frames, per Exhibit H, 6" rise	No Bid	No Bid	<b>18</b> No Bid	No Bid	No Bid
199	75	EA.	Catch Basin grates, per Exhibit H, 6" rise	No Bid	No Bid	<b>18</b> No Bid	No Bid	No Bid
200	25	EA.	Catch Basin frames, per Exhibit H, 3" rise	No Bid	No Bid	<b>18</b> No Bid	No Bid	No Bid
201	25	EA.	Catch Basin grates, per Exhibit H, 3" rise	No Bid	No Bid	<b>18</b> No Bid	No Bid	No Bid
<b>FERNCO COUPLINGS/ADAPTERS</b>								
202	10	EA.	18" Clay to Plastic	No Bid	141.00	No Bid	No Bid	No Bid
203	10	EA.	18" Plastic to Plastic	No Bid	141.00	No Bid	No Bid	No Bid
204	6	EA.	15" Clay to Plastic	No Bid	63.50	No Bid	No Bid	No Bid
205	6	EA.	15" Plastic to Plastic	No Bid	63.50	No Bid	No Bid	No Bid
206	10	EA.	12" Clay to Plastic	No Bid	49.40	No Bid	No Bid	No Bid
207	10	EA.	12" Plastic to Plastic	No Bid	49.40	No Bid	No Bid	No Bid
208	20	EA.	10" Clay to Plastic	No Bid	42.35	No Bid	No Bid	No Bid
209	20	EA.	10" Plastic to Plastic	No Bid	42.35	No Bid	No Bid	No Bid
210	50	EA.	8" Clay to Plastic	No Bid	28.20	No Bid	No Bid	No Bid
211	50	EA.	8" Plastic to Plastic	No Bid	28.20	No Bid	No Bid	No Bid
212	30	EA.	6" Clay to Plastic	No Bid	18.40	No Bid	No Bid	No Bid
213	30	EA.	6" Plastic to Plastic	No Bid	18.40	No Bid	No Bid	No Bid
214		EA.	4" Clay to Plastic	No Bid	8.60	No Bid	No Bid	No Bid
215		EA.	4" Plastic to Plastic	No Bid	8.60	No Bid	No Bid	No Bid

<b>OFFICIAL TALLY SHEET WATER AND SEWER CONSTRUCTION AND REPAIR MATERIALS BID #W2022-01</b>				<b>TI – Sales Inc. 36 Hudson Road Sudbury MA 01776</b>	<b>Core &amp; Main LP 650 West Avenue Lockport NY 14094</b>	<b>Kistner Concrete Products 8713 Read Road East Pembroke NY 14056</b>	<b>E.J.P. 200 Lake Avenue Blasdell NY 14219</b>	<b>K &amp; S Contractors Supply Inc 1971 Gunnville Road Lancaster NY 14086</b>
ITEM #	QNTY	UNIT	DESCRIPTION	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE
<b>DUCTILE IRON PIPE, per foot of length</b>								
216		FT.	18" diameter	No Bid	138.62	No Bid	No Bid	No Bid
217		FT.	15" diameter	No Bid	No Bid	No Bid	No Bid	No Bid
218		FT.	12" diameter	No Bid	72.95	No Bid	No Bid	No Bid
219		FT.	10" diameter	No Bid	57.94	No Bid	No Bid	No Bid
220		FT.	8" diameter	No Bid	44.20	No Bid	No Bid	No Bid
221		FT.	6" diameter	No Bid	31.33	No Bid	No Bid	No Bid
222		FT.	4" diameter	No Bid	40.76	No Bid	No Bid	No Bid
223		FT.	24" diameter	No Bid	110.00	No Bid	No Bid	No Bid
224		FT.	20" diameter	No Bid	No Bid	No Bid	No Bid	No Bid
225	45	FT.	18" diameter	No Bid	61.00	No Bid	No Bid	No Bid
226	45	FT.	15" diameter	No Bid	50.00	No Bid	No Bid	No Bid
227	65	FT.	12" diameter	No Bid	34.00	No Bid	No Bid	No Bid
228	78	FT.	10" diameter	No Bid	24.00	No Bid	No Bid	No Bid
229	130	FT.	8" diameter	No Bid	15.00	No Bid	No Bid	No Bid
230	130	FT.	6" diameter	No Bid	7.80	No Bid	No Bid	No Bid
231		FT.	4" diameter	No Bid	3.60	No Bid	No Bid	No Bid

## **NOTES & EXCEPTIONS:**

1	Ti Sales:	Item Number 82 - 87	Ford Meter Box BBAA Series
2	Ti Sales:	Item Number 129	C14-33-NL
3	Ti Sales:	Item Number 130	C14-44-NL
4	Ti Sales:	Item Number 131	C14-66-NL
5	Ti Sales:	Item Number 132	C14-77-NL
6	Ti Sales:	Item Number 137	Incorrect part number listed – S/B Q31-33-NL
7	Ti Sales:	Item Number 149	C84-66-Q-NL
8	Ti Sales:	Item Number 150	C14-66-Q-NL
9	Ti Sales:	Item Number 151	C14-77-Q-NL
10	Ti Sales:	Item Number 152	C84-77-Q-NL
11	Ti Sales:	Item Number 174	C44-33-NL
12	Ti Sales:	Item Number 175	C44-44-NL
13	Ti Sales:	Item Number 176	C44-66-NL
14	Ti Sales:	Item Number 177	C44-77-NL
15	Core & Main LP #407:	Item Number 37 – 42	Prices quoted are only valid for orders placed no later than December 30, 2022.
16	Core & Main LP #407:	Item Number 47 – 62	Prices quoted are only valid for orders placed no later than December 30, 2022.
17	Kistner Concrete Products:	Item Number 195	Price based on full loads – Any order less than 63,000 lbs. (27 Units) will require a short load delivery charge.
18	Kistner Concrete Products:	Item Number 198 – 201	Note: Catch Basins shipped on their sides – NFWB/City to unload with forklift.
19	EJP:	Item Number 47 - 62	Note A: As an equal, EJP is quoting AY McDonald Repair Clamps. See submittal drawings included with submission.
20	EJP:	Item Number 145 - 177	Note B: As an equal, EJP is quoting AY McDonald Brass Fittings. See submittal drawings included with submission.

NIAGARA FALLS WATER BOARD RESOLUTION # 2022-07-002

**GORGE PUMPING STATION  
HIGH-VOLTAGE EQUIPMENT PREVENTATIVE MAINTENANCE**

**WHEREAS**, the Niagara Falls Water Board (“Water Board”) Gorge Pumping Station (“GPS”) is a critical component of the wastewater collection system and is required to pump wastewater from a substantial portion of the City to the wastewater treatment plant for treatment; and

**WHEREAS**, the electrical system required for GPS functionality includes high-voltage breakers, switches, transformers, and other components; and

**WHEREAS**, to ensure the continued reliable operation of the GPS the Water Board desires to complete preventative maintenance and testing of the high-voltage equipment, including documented findings and recommendations; and

**WHEREAS**, Ferguson Electric Co., Inc., has presented a quote dated June 29, 2022 to complete the desired scope of work for \$25,215 pursuant to the previously bid indefinite delivery/indefinite quantity (“IDIQ”) electrical work contract that was awarded to that firm;

**NOW THEREFORE BE IT**

**RESOLVED**, that on behalf of the Niagara Falls Water Board, its Executive Director hereby is authorized to pay to Ferguson Electric Co., Inc., an amount not to exceed \$25,215 to complete preventative maintenance and testing of the high-voltage electrical components at the Gorge Pumping Station, consistent with Ferguson’s June 29, 2022 proposal.

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

*Water Board Budget Line or Capital Plan Item with Funds for this Resolution:*  
To be determined.

On July 25, 2022, the question of the adoption of the foregoing Resolution was duly put to a vote on roll call, which resulted as follows:

	<b>Yes</b>	<b>No</b>	<b>Abstain</b>	<b>Absent</b>
Board Member Asklar	[   ]	[   ]	[   ]	[   ]
Board Member Kimble	[   ]	[   ]	[   ]	[   ]
Board Member Larkin	[   ]	[   ]	[   ]	[   ]
Board Member Leffler	[   ]	[   ]	[   ]	[   ]
Chairman Forster	[   ]	[   ]	[   ]	[   ]

Signed By:

Vote Witnessed By:

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Nicholas J. Forster, Chairman

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Sean W. Costello, Secretary to Board

**Service Division**

Your exclusive TEGG® Service provider

- o Electrical preventative maintenance programs
- o 24-hour emergency service
- o Troubleshooting and repair

June 29, 2022

Niagara Falls Water Board  
Municipal Water Plant  
5815 Buffalo Avenue  
Niagara Falls, NY 14304

Attention: Mr. Jay Meyers

Re: Gorge Pumping Station - Preventive Maintenance,  
FES Proposal PD23643

Dear Jay,

We are pleased to submit this proposal for the preventive maintenance of the electrical components and devices associated with Gorge Pumping Station.

We will perform de-energized maintenance and testing of the following:

- 15kV air breakers
- 15kV switchboard
- 15kV to 480v transformers
- 480volt circuit breakers
- 480volt auto transfer scheme
- Substation DC System

Our price for the above is **TWENTY-FIVE THOUSAND TWO HUNDRED FIFTEEN DOLLARS (\$25,215.00)**. Our price is subject to all applicable sales tax unless otherwise directed by your order to proceed. Our price is based on performing the work during straight-time hours, 7:00 a.m. – 3:30 p.m., Monday through Friday, excluding Sundays or holidays.

Notes:

- We will perform all work strictly according to Article 70E of the NFPA dealing with the Arc Flash Protection.
- We will provide a report of our testing and recommendations.
- We will require (2) National Grid outages to test and clean the outdoor main switchgear.
- Our price does not include and utility charges.
- Should any charges from National Grid incur, an additional invoice will be sent. This invoice could take up to 1-year as the utility company is slow.

We appreciate the opportunity to work with the **Niagara Falls Water Board**.

We await your written authorization of acceptance so that we may begin work on this project in a timely, satisfactory manner.

If there are questions, please do not hesitate to contact me.

Respectfully Submitted,

**FERGUSON ELECTRIC SERVICE CO., INC.**

A handwritten signature in black ink, appearing to read "D. Schultz", is centered on the page.

Daniel R. Schultz  
Electrical Services Manager



*NIAGARA FALLS WATER BOARD RESOLUTION # 2022-07-003*

**PASSENGER VEHICLE FLEET ADJUSTMENT**

**WHEREAS**, the Niagara Falls Water Board (“Water Board”) has leased and disposed of certain vehicles by “piggybacking” pursuant to General Municipal Law § 103(16) on a contract let by Erie 2-Chautauqua-Cattaraugus BOCES to Enterprise Fleet Management for the purpose of leasing, managing, and the maintenance of vehicles; and

**WHEREAS**, Water Board staff periodically review its fleet needs and discuss potential savings opportunities with its Enterprise representatives; and

**WHEREAS**, the Water Board has found newer vehicles to be safer, more reliable, to impose lower maintenance costs, and to be more fuel efficient, and seeks to incorporate electric and hybrid vehicles into its fleet to reduce emissions and generate fuel savings; and

**WHEREAS**, Water Board staff have evaluated the age, condition, and allocation among departments of the Water Board’s current passenger vehicles; and

**WHEREAS**, the fleet adjustment herein will eliminate three passenger vehicles from the Water Board’s fleet, generating annual savings in addition to fuel and maintenance savings from upgrading other vehicles to newer models; and

**WHEREAS**, after reviewing current fleet needs and discussing these with Enterprise, and based on current market conditions with high values for used vehicles, Water Board staff recommend the following fleet adjustments, and inasmuch as market conditions make it difficult to guarantee the availability of specific makes and models at a given time request authority to make any necessary substitutions to the vehicles to be leased for 60 months, provided such substitutions do not increase the overall cost to the Water Board:

\* CONTINUED ON NEXT PAGE \*

**Conventional Leased Gas Vehicles to Turn in to Enterprise**

1. 2018 Ford Escape, VIN 1FMCU9GD9JUB76467
2. 2018 Ford Escape, VIN 1FMCU9GD7JUB76466
3. 2018 Ford Escape, VIN 1FMCU9GD5JUB76465
4. 2018 Ford Transit Connect Cargo Van, VIN NM0LS6E74J1369890
5. 2017 Ford F-250 XL Super Cab 4X4 8 ft. Box, VIN 1FT7X2B66HEC35864
6. 2018 Ford F-250 XL 4X4 Super Cab 8 ft. Box, VIN 1FT7X2B67JEB73669
7. 2017 Ford F-250 XL Super Cab 8 ft. Box, VIN 1FT7X2B66HEC88404
8. 2018 Ford F-250 XL Super Cab 8 ft. Box, VIN 1FT7X2B61JEB73778

**Disposal of Owned Gas Vehicles via Consignment to Enterprise for Sale**

1. 2015 Ford Escape, VIN 1FMCU0F73FUC81665
2. 2015 Ford F-350 XL 4X2 Regular Cap 8 ft. Box, VIN 1FT8W3B67FEB07157
3. 2016 Chevrolet Silverado 1500 4X4 Regular Cab 6.6 ft. Box, VIN 1GCVKNEC2GZ303044
4. 2016 Chevrolet Silverado 1500 4X4 Regular Cab 6.6 ft. Box, VIN 1GCVKNEC8GZ305929
5. 2016 Chevrolet Silverado 1500 4X4 Regular Cab 6.6 ft. Box, VIN 1GCVKNECLGZ303620

**Vehicles to Lease (or equivalent)**

1. HYBRID 2023 Ford Escape AWD (60m/5k)
2. HYBRID 2023 Ford Escape AWD (60m/5k)
3. HYBRID 2023 Ford Escape AWD (60m/5k)
4. HYBRID 2023 Ford Escape AWD (60m/5k)
5. 2023 Transit Connect (60m/15k)
6. 2023 Ford F-250 XL 4x4 Super Cab 8 ft. Box (60m/15k)
7. 2023 Ford F-250 XL 4x4 Super Cab 8 ft. Box (60m/15k)
8. 2023 Ford F-250 XL 4x4 Super Cab 8 ft. Box (60m/15k)
9. DIESEL Ford F-350 XL 4x4 SD Super Cab 8 ft. Box (60m/15k)
10. DIESEL Ford F-350 XL 4x4 SD Super Cab 8 ft. box (60m/15k)
11. ELECTRIC 2023 Ford F150 Lightning (60m/15k) or Equivalent, or if electric pickup truck is unavailable, the most fuel efficient domestic pickup truck available for lease through Enterprise.

**WHEREAS**, after turning in the foregoing leased vehicles and disposing of the owned vehicles through consignment sale, and applying accumulated equity, the total monthly cost to the Water Board for all of its passenger vehicle fleet leases will decrease by approximately \$500 monthly, or approximately \$6,000 annually, and greater fuel efficiency across the fleet will generate thousands of additional dollars in savings;

**NOW THEREFORE BE IT**

**RESOLVED**, that the Niagara Falls Water Board hereby authorizes the following fleet adjustments with Enterprise Fleet Management, and authorizes the Executive Director to execute any necessary documents and to pay any one-time fees or service charges associated with the delivery of the new vehicles, with the net impact of the transactions being authorized to be approximately \$6,000 in annual lease savings to the Water Board plus fuel savings estimated to be worth thousands of dollars annually:

**Conventional Leased Gas Vehicles to Turn in to Enterprise**

1. 2018 Ford Escape, VIN 1FMCU9GD9JUB76467
2. 2018 Ford Escape, VIN 1FMCU9GD7JUB76466
3. 2018 Ford Escape, VIN 1FMCU9GD5JUB76465
4. 2018 Ford Transit Connect Cargo Van, VIN NM0LS6E74J1369890
5. 2017 Ford F-250 XL Super Cab 4X4 8 ft. Box, VIN 1FT7X2B66HEC35864
6. 2018 Ford F-250 XL 4X4 Super Cab 8 ft. Box, VIN 1FT7X2B67JEB73669
7. 2017 Ford F-250 XL Super Cab 8 ft. Box, VIN 1FT7X2B66HEC88404
8. 2018 Ford F-250 XL Super Cab 8 ft. Box, VIN 1FT7X2B61JEB73778

**Disposal of Owned Gas Vehicles via Consignment to Enterprise for Sale**

1. 2015 Ford Escape, VIN 1FMCU0F73FUC81665
2. 2015 Ford F-350 XL 4X2 Regular Cap 8 ft. Box, VIN 1FT8W3B67FEB07157
3. 2016 Chevrolet Silverado 1500 4X4 Regular Cab 6.6 ft. Box, VIN 1GCVKNEC2GZ303044
4. 2016 Chevrolet Silverado 1500 4X4 Regular Cab 6.6 ft. Box, VIN 1GCVKNEC8GZ305929
5. 2016 Chevrolet Silverado 1500 4X4 Regular Cab 6.6 ft. Box, VIN 1GCVKNECLGZ303620

**Vehicles to Lease (or equivalent)**

1. HYBRID 2023 Ford Escape AWD (60m/5k)
2. HYBRID 2023 Ford Escape AWD (60m/5k)
3. HYBRID 2023 Ford Escape AWD (60m/5k)
4. HYBRID 2023 Ford Escape AWD (60m/5k)
5. 2023 Transit Connect (60m/15k)
6. 2023 Ford F-250 XL 4x4 Super Cab 8 ft. Box (60m/15k)
7. 2023 Ford F-250 XL 4x4 Super Cab 8 ft. Box (60m/15k)
8. 2023 Ford F-250 XL 4x4 Super Cab 8 ft. Box (60m/15k)
9. DIESEL Ford F-350 XL 4x4 SD Super Cab 8 ft. Box (60m/15k)
10. DIESEL Ford F-350 XL 4x4 SD Super Cab 8 ft. box (60m/15k)
11. ELECTRIC 2023 Ford F150  
Lightening or Equivalent, or if electric pickup truck is unavailable, the most fuel efficient domestic pickup truck available for lease through Enterprise.

\* VOTE BLOCK ON NEXT PAGE \*

[Vote Block for Resolution 2022-07-003, Fleet Adjustment]

*Water Board Personnel Responsible for Implementation of this Resolution:*

Executive Director

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

FA.8340.0200.0440.003 and GA.8120.4900.0440.003

On July 25, 2022, the question of the adoption of the foregoing Resolution was duly put to a vote on roll call, which resulted as follows:

	<b>Yes</b>	<b>No</b>	<b>Abstain</b>	<b>Absent</b>
Board Member Asklar	[    ]	[    ]	[    ]	[    ]
Board Member Kimble	[    ]	[    ]	[    ]	[    ]
Board Member Larkin	[    ]	[    ]	[    ]	[    ]
Board Member Leffler	[    ]	[    ]	[    ]	[    ]
Chairman Forster	[    ]	[    ]	[    ]	[    ]

Signed By:

Vote Witnessed By:

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Nicholas J. Forster, Chairman

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Sean W. Costello, Secretary to Board

*NIAGARA FALLS WATER BOARD RESOLUTION # 2022-07-004*

**AUTHORIZING NYS WATER INFRASTRUCTURE IMPROVEMENT ACT  
GRANT APPLICATION, OBLIGATING LOCAL MATCHING FUNDS,  
DECLARING INTENT TO SERVE AS SEQR LEAD AGENCY,  
AND SEQR TYPE DETERMINATIONS – WATER PROJECTS**

**WHEREAS**, the Niagara Falls Water Board (“Water Board”) has determined that it is appropriate to apply for grant funding to assist in the financing of various capital projects scheduled or estimated for completion within the next year; and

**WHEREAS**, as authorized by the New York State Water Infrastructure Improvement Act (“WIIA”), the Environmental Facilities Corporation (“EFC”) has been empowered to provide funds to assist in the carrying out of water quality infrastructure projects; and

**WHEREAS**, the following projects as noted on the Water Board’s Capital Improvement Plan have been identified as eligible for grant funding via the WIIA:

Water system improvements for:

- W2.1 - Beech Avenue Water Storage Tank Replacement

Waterline and lead service replacement at:

- W13 - 81<sup>st</sup> Street Main - Frontier Avenue to Niagara Falls Boulevard
- W15 - College Terrace - Madison to College Avenue
- W24 - Rivershore Drive Main - S. 86<sup>th</sup> Street to 91<sup>st</sup> Street

**WHEREAS**, the estimated total cost of the above projects is \$7,785,000; and

**WHEREAS**, as the maximum WIIA grant amount available is capped at \$3,000,000, to assist with financing the project the Water Board seeks a long term loan from the EFC for the amount of the project cost above \$3,000,000 and also seeks an EFC short-term loan for the entire project cost; and

**WHEREAS**, in order to be eligible for the grant funds it seeks, the Water Board must obligate funds in an amount equal to the difference between the maximum WIIA grant and the total project cost; and

**WHEREAS**, pursuant to the requirements of the State Environmental Quality Review Act (“SEQR”), the Water Board must consider pursuant to criteria set forth in SEQR the environmental implications of the projects described above; and

**WHEREAS**, the Water Board intends to declare itself as the Lead Agency for SEQR review of the projects; and

**WHEREAS**, certain actions are classified under SEQR as Type II actions; and

\* CONTINUED ON NEXT PAGE \*

**WHEREAS**, Type II actions are those actions, or classes of actions, which have been found categorically not to have significant adverse impacts on the environment, or actions that have been statutorily exempted from SEQR review, and Type II actions do not require preparation of an Environmental Assessment Form, a negative or positive declaration, or an Environmental Impact Statement; and

**WHEREAS**, Type II actions do not require any further SEQR review; and

**WHEREAS**, the Water Board has considered under SEQR the waterline and lead service replacement projects described above, and finds that pursuant to 6 NYCRR Section 617.5 (c) (1) and 617.5(c) (2), the projects constitute Type II actions because they involves “maintenance or repair involving no substantial changes in an existing structure or facility” or “. . . replacement, rehabilitation or reconstruction of a structure or facility, in kind, on the same site, including upgrading buildings to meet building or fire codes, unless such action meets or exceeds any of the thresholds in section 617.4 of this Part,” requiring no further review by the NFWB;

**WHEREAS**, certain actions are classified under SEQR as Type 1 Actions; and

**WHEREAS**, the Water Board has considered under SEQR the Water system improvement project described above, and finds that pursuant to 6 NYCRR Section 617.4 (b) (6) (ii), the project constitutes a Type I actions because it involves “a project or action that would use ground or surface water in excess of 2,000,000 gallons per day”, and require an environmental review; and

**WHEREAS**, the Water Board will coordinate with involved agencies for an environmental review.

**NOW, THEREFORE, BE IT**

**RESOLVED**, that the Water Board hereby authorizes the preparation and submittal of a grant application for the following projects to the Environmental Facilities Corporation:

Water system improvements for:

- W2.1 - Beech Avenue Water Storage Tank Replacement

Waterline and lead service replacement at:

- W13 - 81<sup>st</sup> Street Main - Frontier Avenue to Niagara Falls Boulevard
- W15 - College Terrace - Madison to College Avenue
- W24 - Rivershore Drive Main - S. 86<sup>th</sup> Street to 91<sup>st</sup> Street

**IT IS FURTHER RESOLVED**, that the Water Board hereby declares its intention to serve as the Lead Agency for the proposed actions and will accordingly take such actions as may be required pursuant to such declaration; and

\* CONTINUED ON NEXT PAGE \*

**IT IS FURTHER RESOLVED**, that the waterline and lead service replacement projects listed above hereby are determined to constitute SEQR Type II Actions as defined under the applicable regulations and do not require an environmental impact statement or any other determination or procedure; and

**IT IS FURTHER RESOLVED**, that the Water system improvement project listed above hereby are determined to constitute a SEQR Type I Action as defined under the applicable regulations and require a coordinated environmental review. The Water Board will circulate Lead Agency Notice along with Part 1 of the Long Form Environmental Assessment Form and any other supporting documentation to all Involved Agencies. These agencies shall be given 20 days from the mailing of the Lead Agency Notice to consent. Interested Agencies will be given notice, but not required to consent pursuant to 6 NYCRR Part 617.6; and

**IT IS FURTHER RESOLVED**, that the Water Board hereby authorizes and designates CPL, engineers, as its Authorized Representative for the purpose of applying for the grant herein described; and

**IT IS FURTHER RESOLVED**, that the Water Board authorizes and obligates funds in the amount of \$4,785,000 as its share of the total project cost above the maximum WIIA grant of \$3,000,000.

*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 Plan Items: WTP2.1, W13, W15, and W24  
Capital Lines Supplied by: D. Williamson  
Availability of Funds: Per B. Majchrowicz – Funds Not Presently  
Available, Will Require Debt Issuance.

On July 25, 2022, the question of the adoption of the foregoing Resolution was duly put to a vote on roll call, which resulted as follows:

	<b>Yes</b>	<b>No</b>	<b>Abstain</b>	<b>Absent</b>
Board Member Asklar	[   ]	[   ]	[   ]	[   ]
Board Member Kimble	[   ]	[   ]	[   ]	[   ]
Board Member Larkin	[   ]	[   ]	[   ]	[   ]
Board Member Leffler	[   ]	[   ]	[   ]	[   ]
Chairman Forster	[   ]	[   ]	[   ]	[   ]

Signed By:

Vote Witnessed By:

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Nicholas J. Forster, Chairman

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Sean W. Costello, Secretary to Board

*NIAGARA FALLS WATER BOARD RESOLUTION # 2022-07-005*

**AUTHORIZING NYS WATER INFRASTRUCTURE IMPROVEMENT ACT  
GRANT APPLICATION, OBLIGATING LOCAL MATCHING FUNDS,  
DECLARING INTENT TO SERVE AS SEQR LEAD AGENCY,  
AND SEQR TYPE II DETERMINATION – WASTEWATER PROJECTS**

**WHEREAS**, the Niagara Falls Water Board ( “Water Board”) has determined that it is appropriate to apply for grant funding to assist in the financing of various capital projects scheduled or estimated for completion within the next year; and

**WHEREAS**, as authorized by the New York State Water Infrastructure Improvement Act (“WIIA”), the Environmental Facilities Corporation (“EFC”) has been empowered to provide funds to assist in the carrying out of water quality infrastructure projects; and

**WHEREAS**, the following projects as noted on the Water Board’s Capital Improvement Plan have been identified as eligible for grant funding via the WIIA;

Wastewater system improvements for:

- WWTP-1.2 Influent Channel Leak Repair of Expansion Joints
- WWTP-1.3 Sed. Basin #5 Treatment of Backwash
- WWTP-3.2 Grit Pump Flow Meters
- WWTP-3.3 Rapid Mix Tank Cleaning
- WWTP-5.5 New PA and Fire Alarm System
- WWTP-5.6 Carbon Area Lighting, Switchyard Improvements
- WWTP-6.2 Carbon Bed Effluent Cleaning & Inspection
- WWTP-6.3 Carbon Filter Mud Valve Replacements
- WWTP-11.6 Removal and Replacement of Plant Water Piping

**WHEREAS**, the estimated total cost of the above projects is \$5,400,000; and

**WHEREAS**, as the maximum WIIA grant amount available is lesser of 25% total project costs or maximum \$1,250,000; and

**WHEREAS** 25% of total project costs is \$1,350,000, and to assist with financing the project the Water Board seeks a long term loan from the EFC for the amount of the project cost above \$1,250,000 and also seeks an EFC short-term loan for the entire project cost; and

**WHEREAS**, in order to be eligible for the grant funds it seeks, the Water Board must obligate funds in an amount equal to the difference between the WIIA grant and the total project cost; and

**WHEREAS**, pursuant to the requirements of the State Environmental Quality Review Act (“SEQR”), the Water Board must consider pursuant to criteria set forth in SEQR the environmental implications of the projects described above; and



**WHEREAS**, the Water Board intends to declare itself as the Lead Agency for SEQR review of the projects; and

**WHEREAS**, certain actions are classified under SEQR as Type II actions; and

**WHEREAS**, Type II actions are those actions, or classes of actions, which have been found categorically not to have significant adverse impacts on the environment, or actions that have been statutorily exempted from SEQR review, and Type II actions do not require preparation of an Environmental Assessment Form, a negative or positive declaration, or an Environmental Impact Statement; and

**WHEREAS**, Type II actions do not require any further SEQR review; and

**WHEREAS**, the Water Board has considered under SEQR the projects described above, and finds that pursuant to 6 NYCRR Section 617.5 (c) (1) and 617.5(c) (2), the projects constitute Type II actions because they involves “maintenance or repair involving no substantial changes in an existing structure or facility” or “. . . replacement, rehabilitation or reconstruction of a structure or facility, in kind, on the same site, including upgrading buildings to meet building or fire codes, unless such action meets or exceeds any of the thresholds in section 617.4 of this Part,” requiring no further review by the NFWB;

**NOW, THEREFORE, BE IT**

**RESOLVED**, that the Water Board hereby authorizes the preparation and submittal of a grant application for the following projects to the Environmental Facilities Corporation:

Wastewater system improvements for:

- WWTP-1.2 Influent Channel Leak Repair of Expansion Joints
- WWTP-1.3 Sed. Basin #5 Treatment of Backwash
- WWTP-3.2 Grit Pump Flow Meters
- WWTP-3.3 Rapid Mix Tank Cleaning
- WWTP-5.5 New PA and Fire Alarm System
- WWTP-5.6 Carbon Area Lighting, Switchyard Improvements
- WWTP-6.2 Carbon Bed Effluent Cleaning & Inspection
- WWTP-6.3 Carbon Filter Mud Valve Replacements
- WWTP-11.6 Removal and Replacement of Plant Water Piping

**IT IS FURTHER RESOLVED**, that the Water Board hereby declares its intention to serve as the Lead Agency for the proposed actions and will accordingly take such actions as may be required pursuant to such declaration; and

**IT IS FURTHER RESOLVED**, that the projects listed above hereby are determined to constitute SEQR Type II Actions as defined under the applicable regulations and do not require an environmental impact statement or any other determination or procedure; and

\* CONTINUED ON NEXT PAGE \*

**IT IS FURTHER RESOLVED**, that the Water Board hereby authorizes and designates CPL, engineers, as its Authorized Representative for the purpose of applying for the grant herein described; and

**IT IS FURTHER RESOLVED**, that the Water Board authorizes and obligates funds in the amount of \$4,150,000 as its share of the total project cost above the WIIA grant of \$1,250,000.

*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 Plan Items: WWTP-1.2, WWTP-1.3, WWTP-3.2, WWTP-3.3, WWTP-5.5, WWTP-5.6, WWTP-6.2, WWTP-6.3 and WWTP-11.6  
Capital Lines Supplied by: D. Williamson  
Availability of Funds: Per B. Majchrowicz – Funds Not Presently Available, Will Require Debt Issuance.

On July 25, 2022, the question of the adoption of the foregoing Resolution was duly put to a vote on roll call, which resulted as follows:

	<b>Yes</b>	<b>No</b>	<b>Abstain</b>	<b>Absent</b>
Board Member Asklar	[   ]	[   ]	[   ]	[   ]
Board Member Kimble	[   ]	[   ]	[   ]	[   ]
Board Member Larkin	[   ]	[   ]	[   ]	[   ]
Board Member Leffler	[   ]	[   ]	[   ]	[   ]
Chairman Forster	[   ]	[   ]	[   ]	[   ]

Signed By:

Vote Witnessed By:

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Nicholas J. Forster, Chairman

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Sean W. Costello, Secretary to Board

**WWTP PROJECT NO. 7, CHANGE ORDER FOR DUCT CLEANING**

**WHEREAS**, the Niagara Falls Water Board (“Water Board”) is engaged in multiple projects to rehabilitate and improve its wastewater treatment plant, including a project to make critical heating and ventilation (“HVAC”) improvements at the WWTP, referred to as “Project 7”; and

**WHEREAS**, the bid for the HVAC portion of Project 7 was awarded to John W. Danforth Co.; and

**WHEREAS**, Project 7, as originally scoped, included significant duct cleaning work which was not included in the bid specifications for the project to be ensure that the amount of the bids fell within the funds available for the project; and

**WHEREAS**, funds remain available for Project 7 work, and Water Board staff and CPL have prioritized certain ducts for cleaning; and

**WHEREAS**, Danforth has presented a quote dated July 11, 2022 to perform the requested scope of duct cleaning work under the terms of its contract for Project 7 for the sum of \$46,093; and

**WHEREAS**, the nature of the change order should result in limited need for additional construction administration or construction inspection engineering services and CPL will provide any necessary coordination under the scope of its existing agreement with the Water Board for WWTP capital project services; and

**WHEREAS**, up to 50% of the cost of the work that is the subject of this resolution will be reimbursable under the Water Board’s State and Municipal Facilities Program (“SAM”) Grant, Project ID No. 15688;

\* CONTINUED ON NEXT PAGE \*

**NOW THEREFORE BE IT**

**RESOLVED**, that the Niagara Falls Water Board hereby the Executive Director to execute a change order with John W. Danforth Co. to add performance of the duct cleaning work outlined in Danforth's July 11, 2022 proposal to the scope of the contract for WWTP Project 7, for an additional fee not to exceed \$46,093, with any required construction administration or inspection engineering services to be performed by CPL under the scope of its existing agreement with the Water Board for WWTP capital project services.

*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 5 - WWTP Rehab Phase 4A - Sed. Basins & Scum  
(SAM Grant Project ID #15688)

On July 25, 2022, the question of the adoption of the foregoing Resolution was duly put to a vote on roll call, which resulted as follows:

	<b>Yes</b>	<b>No</b>	<b>Abstain</b>	<b>Absent</b>
Board Member Asklar	[    ]	[    ]	[    ]	[    ]
Board Member Kimble	[    ]	[    ]	[    ]	[    ]
Board Member Larkin	[    ]	[    ]	[    ]	[    ]
Board Member Leffler	[    ]	[    ]	[    ]	[    ]
Chairman Forster	[    ]	[    ]	[    ]	[    ]

Signed By:

Vote Witnessed By:

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Nicholas J. Forster, Chairman

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Sean W. Costello, Secretary to Board



www.jwdanforth.com  
www.cleanroomsandlabs.com  
www.boiler-outlet.com  
www.heater-outlet.com

HVAC & Plumbing System Installation • Design & Build • Building Information Modeling • Sheet Metal & Pipe Fabrication  
NEBB Certified System Balancing • Commissioning • Cleanroom & Lab Solutions • LEED Green Building Construction • Lighting  
Retrofits • Energy Performance Contracting • Preventive Maintenance • NADCA Duct Cleaning • Filtration Solutions

7/11/2022

Quote No: #22-0736

Niagara Falls NY Wastewater Treatment  
Administration Building  
1201 Buffalo Ave.  
NF NY 14304

ATTN: Theodore Donner  
CPL Team

RE: Administration Building Air Duct Cleaning

### Executive Summary:

We are pleased to submit our lump sum quotation including all supervision, labor, materials, tools and equipment required to complete the work for the above referenced project. See attached our procedural standard for duct cleaning services. Construction documents dated 1972 were used as the basis of the take-off and estimate.

### Project Includes:

- Provide air duct cleaning services in accordance with NADCA Standard ACR2013.
- HVAC Equipment included in scope of work.
  - AC-1
  - R-1
- Equipment to be cleaned. Fans, cabinet surfaces, damper and louvers.
- Supply and return duct work serving units above will be cleaned.
- Electric reheat coils, quantity (20). Access doors as required
- Clean individual supply and return registers, grills, diffusers and light troffer outlets.
- Transite duct underground supply and return
- Sound attenuators in main supply and return ducts.

JOHN W. DANFORTH COMPANY

- Selective demo, cutting and patching of Z-spline acoustic ceiling
- Submit a pre and post cleaning report including photographs of existing ductwork
- Please find attached the J W Danforth Co.; Cleaning Procedural Standard

**Project Does Not Include:**

- Sanitizing metal ducts, Surface treatment of insulation lined ducts
- Lab hood exhaust duct cleaning, lab hood make-up air duct cleaning
- New York State sales tax;
- Transite duct, Environmental remediation of any kind (i.e. asbestos, lead, mold, etc.);
- Performance and payment bond; Special insurance.

**Investment:**

**AS OUTLINED IN THIS PROPOSAL FOR THE SUM OF:**

FORTY SIX THOUSAND NINETY THREE AND 00/100 DOLLARS

..... \$46,093.00

Net 30 Days

**Acceptance of Proposal:**

The above pricing, specifications, and conditions found within this proposal are satisfactory and are hereby accepted. The John W. Danforth Company is authorized to perform the work as indicated. Payment will be made as outlined above. The conditions above stand good for 25 days.

John W. Danforth Company

Presented By: Patrick Fonzi

Sales Executive

7/11/2022

Accepted By: \_\_\_\_\_

# **AIR DUCT CLEANING**

## **PROCEDURAL STANDARD**

**Date:** 7/11/2022

**Prepared For:**

**NF NY Wastewater Treatment Facility Admin. Bldg.**

**1201 Buffalo Ave., NF NY 14304**



**Certified Members of NADCA**  
**National Air Duct Cleaners Association**

## Scope of Work

### **Qualifications:**

John W. Danforth Co. Inc. (JWD) shall provide an Air Systems Cleaning Specialist (ASCS) certified by the National Air Duct Cleaners Association (NADCA) as Project Manager for this project. Work is to be performed by the best methods known to the trade and leave in perfect, complete, and undamaged conditions, without exception. Work shall be done by skilled workmen and shall be of the highest class known to the trade.

### **Cleaning Standards:**

JWD to clean **all agreed upon non-porous ducts** to NADCA ACR-2013 Standards. All work to exceed minimum requirements for Commercial HVAC system cleaning as specified by NADCA "General Specifications of the Cleaning of Commercial Heating, Ventilation and Air Conditioning Systems".

### **Health and Safety**

**Safety Standards:** Cleaning contractors shall comply with all applicable federal, state, and local requirements for protecting the safety of the contractors' employees, building occupants, and the environment. In particular, all applicable standards of the Occupational Safety and Health Administration (OSHA) shall be followed when working in accordance with this specification.

**Occupant Safety:** No processes or materials shall be employed in such a manner that will introduce additional hazards into occupied spaces.

**Disposal of Debris:** All Debris removed from the HVAC System shall be disposed of in accordance with applicable federal, state and local requirements.

### **Cleaning Documentation:**

At the conclusion of the project, JWD shall provide a report to the owner indicating the following:

1. Success of the cleaning project, as verified through visual inspection and/or gravimetric analysis.
2. Areas of the system found damaged and/or in need of repair.



3. The report shall contain photographic or video documentation of representative areas of ductwork systems cleaned as part of the project. Photos shall show both before and after pictures verifying visual inspection.

#### **Air Duct Cleaning:**

Decontaminate return and supply air ducts, plenums, branch runs, turning vanes, mixing boxes, reheat coils and all other components which make contact with the processed air. Ducts to be negatively pressurized using HEPA (High Efficiency Particulate Accumulator) filtration. The 2500 cfm vacuum ensures proper containment of the microbiological contamination removed, to protect the surrounding areas from cross-contamination. HEPA filtered air is discharged indoors. Inside surfaces to be cleaned using a combination of industry recognized Push/Pull methods, including rotating brushes, purified high-pressure air sweeps (various volumes [cfm]) through self-propelling skipper valves and direct HEPA surface method. This process is called source contamination removal.

#### **Mechanical Cleaning Methods**

##### **A. Source Removal Cleaning Methods:**

The HVAC system shall be cleaned using Source Removal mechanical cleaning methods designed to extract contaminants from within the HVAC system and safely remove contaminants from the facility. It is JWD's responsibility to select Source Removal methods which will render the HVAC system Visibly Clean and capable of passing cleaning verification methods (See applicable NADCA Standards) and other specified tests, in accordance with all general requirements. No cleaning method, or combination of methods, shall be used which could potentially damage components of the HVAC system or negatively alter the integrity of the system.

- B. The following general ductwork cleaning procedures are to be used as a guideline throughout the project. Methods that require the least amount of access openings without compromising proper agitation and source removal are required. Determination of which method should be used in each area is to be made by the Project Engineer. JWD is to provide detailed procedures in their bid proposal if different than current process listed below. The Project Engineer prior to their implementation must approve deviation from specified methods of removal.

#### DEBRIS COLLECTION EQUIPMENT

- A. All methods used shall incorporate the use of vacuum collection devices that are operated continuously during cleaning. A vacuum device shall be connected to the downstream end of the section being cleaned through a predetermined opening. The vacuum collection device must be of sufficient power to render all areas being cleaned under negative pressure, such that containment of debris and the protection of the indoor environment are assured.
- B. All vacuum devices exhausting air inside the building shall be equipped with HEPA filters (99.97 @ 0.3 microns, minimum efficiency), including hand-held vacuums.
- C. Filter system shall be capable of maintaining a minimum of 0.8-inch lift as measured by a Water Gauge within the duct during the abatement process so as to keep particles, which are agitated, airborne for removal. The negative air machine ensures proper containment of the microbiological contamination removed, to protect the surrounding areas from cross-contamination.
- D. All vacuum devices exhausting air outside the facility shall be equipped with Particulate Collection including adequate filtration to contain Debris removed from the HVAC system. Such devices shall exhaust in a manner that will not allow contaminants to re-enter the facility. Release of debris outdoors must not violate any environmental standards, codes or regulations.

## **Agitation Equipment**

Due to the latest EPA STUDY the agitation process must be a two-step process for galvanized ductwork only.

1. Manual or Power (electric/pneumatic) Brushes shall be used to dislodge debris inside ductwork
2. After step one is completed the use of compress air line with special nozzles shall be used to transport debris into collection equipment
3. Acceptable methods will include those which will not potentially damage the integrity of the ductwork, nor damage porous surface materials such as liners inside the ductwork or system components
4. Brushes that are connected to compressed air lines are not acceptable.
5. The use of robotic equipment will be exempt from this process only if technicians can view the work process while it is being completed.
6. Where ductwork is large and able to support the weight of a worker, hand tools and HEPA Vacuums may be used. If workers enter the inside of the duct they must follow the OSHA Confined space requirements (OSHA 29 CFR 1910.146) Collection equipment must be used during this process to assure capture of any residual or airborne debris.

## **Duct Service Openings:**

Access to be made at intervals to allow access to clean all internal ductwork. Access to be made at all turning vanes, reheat coils, VAV's and electric heat elements if applicable.

1. JWD shall utilize the existing service openings already installed in the HVAC system where possible.
2. Other openings shall be created where needed and they must be created so they can be sealed in accordance with industry codes and standards.
3. Closures must not significantly hinder, restrict, or alter the airflow within the system.
4. Closures must be properly insulated to prevent heat loss/gain or condensation on surfaces within the system.
5. Openings must not compromise the structural integrity of the system.

6. Construction techniques used in the creation of openings should conform to requirements of applicable building and fire codes, and applicable NFPA, SMACNA and NADCA Standards.
7. Cutting service openings into flexible duct is not permitted. Flexible duct shall be disconnected at the ends as needed for proper cleaning and inspection.
8. Rigid fiberglass ductboard duct systems shall be resealed in accordance with NAIMA recommended practices. Only closure techniques, which comply with UL Standard 181 or UL Standard 181a, are suitable for fiberglass duct system closures.
9. All service openings capable of being re-opened for future inspection or remediation shall be clearly marked and shall have their location reported to the owner in project report documents.

### **Access Door Types**

1. Access doors for uninsulated rectangular and flat oval ductwork shall be the “Sandwich type” door as manufactured by Ductmate Industries Inc. Model DMUD
2. Access doors for insulated rectangular and flat oval ductwork shall be the “Sandwich type” door as manufactured by Ductmate Industries, Inc - Model DMAD
3. Access doors for insulated and uninsulated round ductwork shall be the “Sandwich type” doors as manufactured by Ductmate Industries, Inc. Model DMRAD and DMRUD.
4. Access doors for high temperature and stainless steel applications shall meet the existing ductwork design requirements, similar to the “Sandwich type” access door as manufactured by Ductmate Industries, Inc. Models DMADF1, DMADF2, DMRDF1, and DMRDF2
5. Fabricate in accordance with SMACNA Duct Construction Standards.
6. Review locations with the Project Engineer prior to installation.
7. Sheet metal covers that are screw fastened and properly sealed according to NADCA ACR-2013(Access & Closures) are acceptable if agreed to by Project Engineer prior to bidding process.
8. All doors must be leak tight at the completion of job.

### **Biocidal Agents and Coating**

1. Biocidal agents shall only be applied if active fungal growth is reasonably suspected, or where unacceptable levels of fungal contamination have been verified through testing.
2. Application of any biocidal agents used to control the growth of fungal or bacteriological contaminants shall be performed after the removal of surface deposits and debris.
3. When used, chemical biocides and coatings shall be applied in strict accordance with manufacturer recommendations and EPA registration listing.
4. Biocidal coatings shall be applied according to manufacturer’s instructions. Coatings shall be sprayed directly onto interior ductwork surfaces, or “fogged” downstream onto surfaces. A continuous film must be achieved on the surface to be treated by the coating application. Application of any biocidal coatings shall be in strict accordance with manufacturer’s minimum millage surface application rate standards

for effectiveness.

#### SURFACE TREATMENTS

A duct liner adhesive coating, Foster 40-10, 40-20- or 40-23, as manufactured by Foster Products Corporation, Cover-Al as manufactured by Mateson Chemical Corporation, or approved equal shall be used. It shall be a quick setting waterbase adhesive and coating designed for field application to faced or unfaced fiberglass duct liner insulation, or to unfaced fiberboard ductboard insulation. The coating shall dry to form effective air erosion preventive coating and reinforcing the surface. The coating shall be resistant to fire, water, oil, grease, bacteria, and fungus.

A mechanical insulation repair coating, Tough Coat, as manufactured by Vac System Industries, Inc. or approved equal shall be used. The coating material shall contain an anti-microbial agent, shall not effect the thermal or acoustical properties of the insulation, and shall conform to NFPA Standards 90A & 90B.

#### HVAC AND PLENUM SURFACE COATING

Non-Porous Surface - The paint shall be Porta-Sept as manufactured by Porter Paints Inc. Foster 40-26 as manufactured by Foster Products Corp. or approved equal. Paint shall contain an EPA registered anti-microbial.

Porous Surface - The coating shall be Tough-Coat as manufactured by Vac Systems Industries, Foster 40-10, 40-20 or 40-22 as manufactured by Foster Products Corp. or approved equal. Coating shall meet NFPA Standards 90A & 90B and contain an anti-microbial agent.

#### **Air Handlers/ Interior Liner (Insulation):**

Air handling apparatus will be placed under negative pressure prior to initiating cleaning procedure and/or zoned off from the occupied space. Interiors to be cleaned utilizing localized HEPA vacuum equipment and sanitized. Components such as fan housings, fan blades, heat elements and associated wiring will be cleaned and sanitized with OXINE or approved equal

#### **Air Handling Unit Coils:**

Evaporator coil surfaces will be HEPA vacuumed and fins will be combed. For heavily soiled coils: chemically cleaned using a commercial grade coil cleaner designed for this purpose. All coil cleaning will be performed while system is either under negative pressure with an air scrubber utilizing HEPA filters (carbon if necessary) or properly zoned off. Coils will be washed with water prior to placing equipment in operation. Apply Sanitizer at completion of cleaning procedure



**Reheat Coils:**

Coils will be hand HEPA vacuumed and pneumatically air washed. Fins will be combed as required. Access to coils will be made through existing access doors, if there is no existing doors see **Access door section** of this submittal.

**Blower Motor/ Condensate Drain Pan:**

Fins and assembly to be pneumatically air washed. All motor housings and wiring to be HEPA vacuumed. Condensate drain pan will be vacuumed clean of debris and visible microbial growth. After removal of debris, pan will be sanitized.

**Ceiling Plenums:**

All loose debris shall be removed and the entire ceiling plenum, including but not limited to duct exterior, wall, deck, top of ceiling tiles, structural steel, piping, conduit, light fixtures shall be mechanically vacuumed.

**Induction Units/ Ventilators Units:**

The induction unit covers shall be removed and the entire unit interior completely brushed and vacuumed. All unit nozzles shall be clean and inspected. The Owner shall be notified of any broken or missing nozzles. The Unit will be subject to visual verification only.

The ventilator unit covers shall be removed and the entire unit interior completely brushed and vacuumed. All fan assemblies, coils, and unit walls shall be cleaned and inspected. The Owner shall be notified of any broken or missing parts. Units subject to visual verification only.

**VAV and CVT Boxes:**

Disconnect inlets ducts, open access door and completely brush and vacuum all interior surfaces.

**Volume, Fire, and Zone Dampers:**

Duct mounted volume, fire, and zone dampers sets are to be market to their current setting, then inspected and cleaned if necessary. External moving parts are to be treated with an approved dry lubricant material if necessary. After cleaning, the dampers shall be reset to original position. JWD shall indicate locations of damaged and/or repaired dampers.

**Grilles, Registers, and Diffusers:**

Whenever the grilles, registers, and diffusers (GRD) are removable, they shall be removed, washed, dried, sanitized, and replaced. When a facade restricts the GRD or welded in place, hand vacuuming is acceptable. JWD shall avoid disturbing the existing volume damper setting. JWD is not responsible for chipped paint or cleaning the debris built up on the ceiling.

**Transite pipe cleaning:**

Prior to any cleaning of transite pipe, inspections shall be performed to determine the condition of the pipe interior. If any damaged conditions exist inside the pipe, repairs will be made immediately by a competent asbestos contractor. When remediation is complete, the pipe shall be surface cleaned using normal ductwork cleaning methods. No methods shall be used which may damage and/or disturb the inside walls of the pipe.

**Area Containment/ Fire Detectors:**

Visqueen (approx. 3-5 mil) to be erected in areas being treated to ensure containment. Areas to be covered are beneath the ductwork at a distance of 6 feet either side of the run of ductwork.

Where applicable, fire duct detector elements located in supply or return ductwork or, in some cases, in the return plenum behind the filter rack, will be covered with visqueen and duct tape. This will prevent fire alarm activation and damage to the sensors. This will be done any time ducts, AHU's or AHU rooms are being vacuumed or sanitized.

JWD is to supply all scaffolding and/or lifting equipment necessary to accomplish the scope of work herein described. JWD assumes no hazardous materials, defined by the EPA including asbestos, exists within the air duct systems and does not provide for removal of such materials. No responsibility is assumed for unseen or unknown obstacles such as cable wires, plumbing piping or similar items located in the duct system. All wastes to be removed from the work site at the end of the work period.

Any damage to ceiling tiles, carpet, finished surfaces, or building furnishings that results from any of JWD's activities shall be repaired at their expense and to the satisfaction of the CUSTOMER. If JWD receives any inquiries about this project, those people shall be courteously directed to the Customer. JWD shall conduct its business in a manner that is respectful of other occupants of the building. No radios, loud talking or noises, or other activities that may disturb these other workers will be tolerated.

All electrical equipment shall be plugged into extension cords that have ground fault circuit interrupter boxes. JWD shall insure that all OSHA and EPA requirements that are applicable to this type of project are fully followed, and JWD shall be solely and completely responsible for any damages, illnesses, or injuries that arise out of, from, or can be related to this project.

At the time of submitting proposal, JWD may include a copy of a safety plan that describes how the building and occupants will be protected from entrapment of odors and microbial contaminants during the cleaning process, plans for respiratory protection and Hazard Communication and Lockout/Tagout.

Existing equipment parts components or ductwork is not warranted. Items found to be in need of replacement or repair (damaged internally, externally or broken) shall be reported. Air conditioning heating or ventilation equipment shall be taken out of service during duct cleaning. It is the customers' responsibility to co-ordinate any shut down and protection of other equipment or relocate persons during duct cleaning or equipment cleaning work.

J W D. will report any and all mechanical problems encountered during the work process. Any visible damaged parts that are observed inside the air conditioning systems will be reported if they affect normal operation of the system. Any water damaged, deteriorated insulation or uncleanable flexible duct or uncleanable sound retention duct, if found, will be reported.

Duct cleaning will be performed in a workmanlike manner using source removal methods. Duct cleaning process shall remove debris to NADCA ACR-2013 Standard. Duct discoloration may still be present after proper cleaning methods have taken place. All work to comply with NIOSH, OSHA and NADCA standards. Registers, air diffusers, turning vanes or associated balancing devices shall be cleaned during remedial work, however components found damaged shall be reported to customer. Decorating, painting, or ceiling tile replacement will not be included in this contract. Air distribution and balancing devices shall be placed as to the best of our ability to the original position. Any test and balance of the system or re-adjustment to these components are not included in this proposal.

Should duct accessibility require any access through walls or solid ceiling, JWD will notify the CUSTOMER. The opening and closing of the walls and/or ceilings is part of this agreement. All permit fees and associated expenses are the responsibility of JWD.

**Guarantee:**

John W Danforth Service guarantees its labor for a period of 90 days from date of service. Parts and materials including chemicals or chemical solutions shall be installed or applied in accordance with the manufacturers instructions and are provided with the manufacturers' warranty/guarantee, if any. John W Danforth Service assumes no liability and offers no warranty with respect to equipment, parts and materials including chemicals and chemical solutions. There shall be not warranties expressed or implied, or guarantees with respect to this contract except as set forth in detail herein. Odors: Variations in temperature, humidity, particulate and other contaminates, including carpeting and upholstery, may cause odors to reoccur. Due to these variables, we cannot possibly guarantee the possibility of odor reoccurrence in the duct or air conditioning system. Duct cleaning and air conditioning sanitizing should be considered a maintenance task reducing air contaminants for the air conditioning system. Duct cleaning should not be considered a one step cure for sick building syndrome or building related illnesses; a proper evaluation by a qualified individual is recommended in this case. Air testing and diagnostics is available upon request.

**Applicable Standards and Publications** -- The following current standards and publications of the issues currently in effect form a part of this specification to the extent indicated by any reference thereto:

- A. National Air Duct Cleaners Association (NADCA): ACR-2013, "Assessment, Cleaning and Restoration of HVAC Systems," 2013
- B. National Air Duct Cleaners Association (NADCA): "Understanding Microbial Contamination in HVAC Systems," 1996.
- C. National Air Duct Cleaners Association (NADCA): "Introduction to HVAC System Cleaning Services," 1995.
- D. National Air Duct Cleaners Association (NADCA): "NADCA General Specifications for the Cleaning of Commercial Heating, Ventilating, and Air Conditioning Systems," 2002.
- E. Underwriters' Laboratories (UL): UL Standard 181
- F. American Society of Heating, Refrigerating and Air Conditioning Engineers (ASHRAE): Standard 62-89, "Ventilation for Acceptable Indoor Air Quality"
- G. Environmental Protection Agency (EPA): "Building Air Quality" December, 1991
- H. Sheet Metal and Air Conditioning Contractors' National Association (SMACNA): "HVAC Duct Construction Standards - Metal and Flexible," 1985
- I. North American Insulation Manufacturers Association (NAIMA): "Cleaning Fibrous Glass Insulated Air Duct Systems." 1993

**WWTP PROJECT NO. 11, CHANGE ORDERS FOR CONCRETE INTERFERENCE**

**WHEREAS**, the Niagara Falls Water Board (“Water Board”) contracted with JM Davidson Engineering, D.P.C. (“JM Davidson”), to prepare designs, plans, and specifications for certain work to improve exterior process piping at the wastewater treatment plant (“Project 11”), required pursuant to Order on Consent R9-20170906-129 with the New York State Department of Environmental Conservation, and the contract for construction of the Project 11 improvements was awarded to John W. Danforth Co.; and

**WHEREAS**, the original Project 11 design documents specified replacement of seven existing four-inch diameter sludge pipes from the sludge building to a pipe flange located just outside the thickened sludge pump station basement wall, but it was discovered in the field that concrete was backfilled over the existing sludge lines to the pump station wall, and as such, removal of the existing piping and concrete would damage the existing wall sleeve flanges eliminating the potential to re-connect as planned; and

**WHEREAS**, CPL, the Water Board’s WWTP capital projects manager, Water Board staff, and JM Davidson staff met onsite and determined that the recommended course of action to address this concrete interference is core drilling and installing new wall sleeves into the sludge pump station basement; and

**WHEREAS**, the costs necessary to complete this work also include concrete excavation, earthwork to provide proper soil depth over new piping, temporary safety grating to protect plant staff, and bypass piping to phase the work with minimal impact to WWTP operations; and

**WHEREAS**, performing this additional work will delay completion and increase the cost of Project 11 but will reduce the potential for future leaks or failure of the existing wall sleeves; and

**WHEREAS**, Danforth has presented a proposal dated July 11, 2022 to perform the scope of construction work necessary to address the concrete interference as a change order to its contract for Project 11 work for a total of \$171,264.18; and

**WHEREAS**, JM Davidson has presented a proposal dated July 12, 2022 to perform construction-phase engineering and inspection services for Danforth’s proposed additional work as a change order to its contract for Project 11 engineering services for a total of \$22,500; and

**WHEREAS**, up to 50% of the cost of the work that is the subject of this resolution will be reimbursable under the Water Board’s State and Municipal Facilities Program (“SAM”) Grant, Project ID No. 15688;

\* CONTINUED ON NEXT PAGE \*



**NOW THEREFORE BE IT**

**RESOLVED**, that the Niagara Falls Water Board hereby authorizes the Executive Director to execute a change order with John W. Danforth Co. to add performance of the scope of work outlined in Danforth's July 11, 2022 proposal to its contract for WWTP Project 11 for an additional fee not to exceed \$171,264.18; and

**IT IS FURTHER RESOLVED**, that the Niagara Falls Water Board hereby the Executive Director to execute a change order with JM Davidson Engineering, D.P.C., to add performance of the scope of work outlined in that firm's July 11, 2022 proposal to its contract for WWTP Project 11 for an additional fee not to exceed \$22,500.

*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 9 - WWTP Rehab Phase 4I – Process Piping Improvements  
(SAM Grant Project ID #15688)

On July 25, 2022, the question of the adoption of the foregoing Resolution was duly put to a vote on roll call, which resulted as follows:

	<b>Yes</b>	<b>No</b>	<b>Abstain</b>	<b>Absent</b>
Board Member Asklar	[    ]	[    ]	[    ]	[    ]
Board Member Kimble	[    ]	[    ]	[    ]	[    ]
Board Member Larkin	[    ]	[    ]	[    ]	[    ]
Board Member Leffler	[    ]	[    ]	[    ]	[    ]
Chairman Forster	[    ]	[    ]	[    ]	[    ]

Signed By:

Vote Witnessed By:

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Nicholas J. Forster, Chairman

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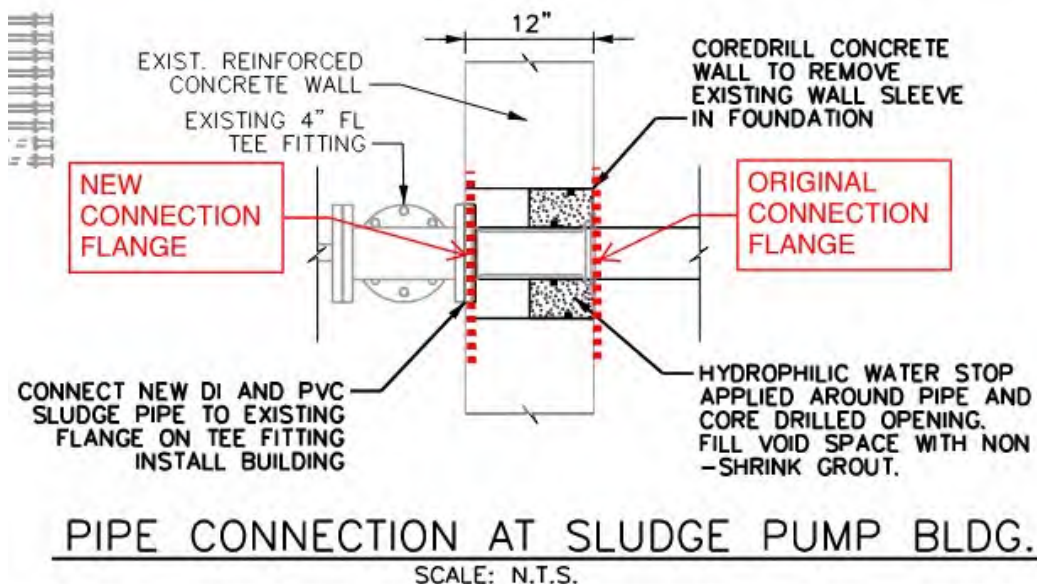
Sean W. Costello, Secretary to Board

**From:** Theodore Donner <TDonner@CPLteam.com>  
**Sent:** Wednesday, July 13, 2022 12:51 PM  
**To:** Sean Costello; Abderrahman Zehraoui; Dennis Kirkland; forsternick@yahoo.com  
**Cc:** Douglas Williamson; Jay Meyers; Rick Henry; Dave Jaros  
**Subject:** RE: RE: Capital Project #11 - Sludge Piping Improvements Change Order  
**Attachments:** Capital Project #11 Danforth Concrete Interference CO (7-12-22).pdf; Capital Project #11 JM Davidson Concrete Interference CO (7-12-22).pdf; SL-C-2 - SLUDGE LINE - EXTERIOR PLAN - FIELD CHANGE SHEET.pdf

Sean,

Per yesterday's email. Below is a bit more information explaining the origins of the change order.

- The original Project #11 design documents specified replacement of seven (7) existing 4" diameter sludge pipes from the sludge building to a pipe flange located just outside the thickened sludge pump station basement wall (shown below in Red).
- However, it was discovered in the field that concrete was backfilled over the existing sludge lines to the pump station wall (which is not typical). Therefore, removal of the existing piping and concrete would damage the existing wall sleeve flanges eliminating the potential to re-connect as planned.
- CPL, NFWB and JM Davidson staff met onsite and determined that the recommended course of action is core drilling and installing new wall sleeves into the sludge pump station basement.
- Additionally, the change order includes costs for concrete excavation, earthwork to provide proper soil depth over new piping, temporary safety grating to protect plant staff, and bypass piping to phase the work with minimal impact to WWTP operations.



- Although this change order includes additional work and cost, the proposed work significantly minimizes potential for future leaks or failure of the existing wall sleeves.
- Details of this plan have been reviewed and approved by Acting Chief Operator Kirkland.

- As noted, with the change order, the project is still within the original NYS approved budget.
- **Therefore, CPL recommends approval of the attached Danforth Change Order in the amount of (\$158,373.93) and JM Davidson Change Order in the amount of (\$22,500.00) to administer and inspect the additional work.**
- Please feel free to reach out at the number below with any questions or concerns.

Thanks,

-Ted



**Theodore E Donner, P.E.**

Direct: 716.218.4743

ARCHITECTURE. ENGINEERING. PLANNING.

**CPLteam.com**

## Theodore Donner

---

**From:** Catherine Knab <cknab@jmdavidsoneng.com>  
**Sent:** Monday, July 11, 2022 5:13 PM  
**To:** Theodore Donner  
**Cc:** Michael Terrana; Jay Meyers; Douglas Williamson  
**Subject:** Project #11 - Danforth Change order request  
**Attachments:** 220711 Proj 11 Schedule.pdf; 220711 Concrete Interference CO Req.pdf; 220711 DI Allowance.pdf; RE: Proj 11 - purchasing of ductile iron

*CAUTION: This email originated from outside of the organization. Only open attachments and click links if you recognize the sender and are expecting this type of content. -CPL Helpdesk*

Ted,

Attached are final copies of Danforth's additional work requests.

- The DI Allowance request, in the amount of \$12,890.25 was already approved by you, per attached email, to be paid out under the allowance item. Danforth has moved forward with ordering those materials.
- The Concrete Interference request is in the amount of \$158,373.93. We have reviewed this request in detail and with Danforth and Cerrone. We recommend approval of this request to be paid for via change order to the contract.

Also attached is their updated schedule. Please note that the sequencing and durations are as discussed in the last meeting. The exact timing of when work will start depends on when they actually receive the ductile iron material; this is noted in the first line of the schedule. When they are able to start will obviously affect the completion date, therefore the November 10<sup>th</sup> date of completion as shown in this schedule should NOT be considered the expected completion date at this time.

Please let me know if you need anything else from JMD in order to move these forward. We will be submitting our request for extra CA/CI time tomorrow.

Thanks,  
Cati

Catherine H. Knab, PE, PMP

**JM Davidson**  
— Engineering, D.P.C.

935 Sheridan Drive, Suite 120  
Tonawanda, New York 14150  
mobile: 716.517.6708  
email: [cknab@jmdavidsoneng.com](mailto:cknab@jmdavidsoneng.com)  
website: [www.jmdavidsoneng.com](http://www.jmdavidsoneng.com)  
NYS WBE Certified // DBE Certified

**NIAGARA FALLS WATER BOARD  
WASTEWATER TREATMENT PLANT  
PROJECT NOS. 9 AND 11**

**CHANGE PROPOSAL**

Owner: Niagara Falls Water Board  
Project Name: Wastewater Treatment Plant Project Nos. 11  
Change Proposal No.: 3 Date: 7/11/22  
Submitted in Response to Proposal Request No.: N/A  
Contract Name and No.: Sludge Lines #11  
Contractor: John W. Danforth Co.  
Subject: Concrete interference outside of thickened Sludge Pump Bldg.

The following changes to the Contract are proposed:

**SCOPE OF WORK:** (attach and list supporting information as required)

- Item: Labor, materials + Equipment to reroute sludge lines due to unknown concrete interference
- Item:

**JUSTIFICATION:**

- Item: Directed by JM Davidson
- Item:

**CHANGES IN CONTRACT PRICE AND CONTRACT TIMES:**

We propose that the Contract Price and Contract Times be changed as follows:

*For Contract Price, attach detailed cost breakdowns for Contractor and Subcontractors, Supplier quotations, and other information required.*

*For the Contract Times, state increase, decrease, or no change to Contract Times for Substantial Completion, readiness for final payment, and Milestones, if any. If increase or decrease, state specific number of days for changes to the Contract Times.*

Description	Amount	Contract Times (days)	
		Substantial	Final
1. Item	<u>158,313.43</u>	<u>90</u>	<u>120</u>
2. Item	<u>\$0.00</u>	<u>0</u>	<u>0</u>
<b>Total This Change Proposal</b>	<b><u>\$0.00</u></b>	<b><u>0</u></b>	<b><u>0</u></b>

Changes to Milestones, if any: 3 to 4 months

Contractor represents that supporting data attached to this Change Proposal are accurate and complete. The requested time or price adjustment indicated in this Change Proposal is the entire adjustment to which Contractor believes it is entitled as a result of the proposed change(s) indicated herein.

Change Proposal by: CRAIG BEACAN

Signature of Proposer: [Signature]

## **Cost Breakdowns**

### **Cerrone**

Additional excavation & backfill & moving soil for berm	\$6,747.98
Concrete breaking	\$14,208.72
Additional Asphalt restoration	\$2,018.12
Additional Insulation Board	<u>\$2,014.96</u>
<b>Cerrone Subtotal</b>	\$24,989.78
<b>10% Overhead</b>	\$2,498.98
<b>5% Profit</b>	<u>\$1,374.44</u>
<b>Cerrone Total</b>	\$28,863.20
<b>Cerrone Total w/ JWD 5% Markup</b>	<b>\$30,306.36</b>

### **JWD - (All cost include 15% OH&P)**

<b>MWBE included dollars</b>	\$0.00
Remove grating and install temp. handrail	\$7,747.62
Receive & Layout hoses	\$34,950.73
Connect Hoses during 4 shutdowns	\$13,057.18
Coordinate with Cerrone during concrete demo	\$4,829.94
Core holes for new tie points	\$17,638.31
Install new piping thru cores for Cerrone to tie on to	\$9,058.99
Disconnect hoses for final tie ins during 4 shutdowns	\$13,057.18
Demo & clean up hoses	\$8,566.33
Temporary Bridge over excavation	\$8,534.74
2 months rental of hoses - sludge basement - schedule delay	<u>\$10,626.55</u>
<b>JWD Total</b>	<b>\$128,067.57</b>

**Combined Total** **\$158,373.93**

**Purchase DI Pipe & Fittings under the Allowance** **\$12,890.25**

**Total** **\$171,264.18**

June 16, 2022

John W. Danforth Company  
Attn: Craig Reagan  
300 Colvin Woods Parkway  
Tonawanda, NY 14150

**Re: MCI Job #21-1064-/ Utility Work - NFWB Contract 11G**  
PCO # 003 – Sludge Line Replacement Changes

Dear Mr. Reagan:

Mark Cerrone, Inc. (MCI) has prepared the following estimate for work that is in addition to our contracted scope of work on the above referenced project. This work includes: Additional excavation and backfill - to include proposed berm. Concrete breaking - removing existing concrete in conflict with proposed pipe connections. Additional asphalt restoration. Furnish and Install 02" Rigid Insulation Board over and along sides of thickened sludge pipes between sludge building and point where 4' of cover is reached south of the electrical duct bank.

MCI will provide all labor, equipment, materials, subcontractors and supervision to complete the following scope of the work, the details of which are attached in the accompanying Proposal Summary:

The above scope of work can be completed for the lump sum price of ***TWENTY EIGHT THOUSAND EIGHT HUNDRED SIXTY THREE DOLLARS AND 20/100 (\$ 28,863.20).***

MCI will not commence any work outlined in this proposal without a written acceptance of this proposal. Should you accept this proposal, please issue such acceptance in anticipation of issuing a formal change order.

Should you have any additional questions, please feel to call me at my office 716-282-5244 or on my cell phone, 716-352-6046.

Sincerely,

James Larcara  
Project Manager  
jlarcara@markcerrone.com

---

**Mailing Address**

P.O. Box 3009  
Niagara Falls, NY 14304

An Equal Opportunity Employer

**Physical Address**

2368 Maryland Avenue  
Niagara Falls, NY 14305

***Safety and Quality First***



**21-1064 Utility Work - NFWB Contract 11G**  
**PCO 003 - Sludge Line Replacement Changes (Proposal)**

Date	Description	Labor	Equipment Owned	Equipment Rented	Materials / Services	Subcontracts	Transportation	ITEM TOTAL
	Sludge Line Replacement Changes	4,012.48	1,184.00	-	127.50	-	1,424.00	6,747.98
	Sludge Line Replacement Changes	6,018.72	5,904.00	-	150.00	-	2,136.00	14,208.72
	Sludge Line Replacement Changes	1,003.12	294.00	-	365.00	-	356.00	2,018.12
	Sludge Line Replacement Changes	1,323.36	168.00	-	523.60	-	-	2,014.96
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<b>Subtotal</b>		<b>12,357.68</b>	<b>7,550.00</b>	<b>-</b>	<b>1,166.10</b>	<b>-</b>	<b>3,916.00</b>	<b>24,989.78</b>
<b>Overhead %</b>		<b>10%</b>	<b>10%</b>	<b>10%</b>	<b>10%</b>	<b>5%</b>	<b>10%</b>	
<b>Category Overhead</b>		1,235.77	755.00	-	116.61	-	391.60	2,498.98
<b>Subtotal</b>		13,593.45	8,305.00	-	1,282.71	-	4,307.60	27,488.76
<b>Profit %</b>		<b>5%</b>	<b>5%</b>	<b>5%</b>	<b>5%</b>	<b>0%</b>	<b>5%</b>	
<b>Category Profit</b>		679.67	415.25	-	64.14	-	215.38	1,374.44
<b>Category Totals</b>		<b>\$14,273.12</b>	<b>\$8,720.25</b>	<b>\$0.00</b>	<b>\$1,346.85</b>	<b>\$0.00</b>	<b>\$4,522.98</b>	<b>\$28,863.20</b>
<b>CREDIT SUBTOTAL</b>								\$0.00
<b>CHANGE / T &amp; M SUBTOTAL</b>								\$28,863.20
<b>BOND (% and COSTS)</b>							<b>0.00%</b>	\$0.00
<b>TOTAL AMOUNT REQUESTED \$</b>								<b>28,863.20</b>

***Mailing Address***

P.O. Box 3009  
Niagara Falls, NY 14304

## Physical Address

2368 Maryland Avenue  
Niagara Falls, NY 14305

## Safety and Quality First



NFWB July 18, 2022 Work Session Agenda Packet- Page 139

[illegible]



[illegible]

JOB #	21-1064	CLIENT	Danforth
PHASE NO.	98-0030	PHASE DESCRIPTION	Sludge Line Replacement Changes
		EWA #	
<b>WORK DESCRIPTION</b>			
Furnish and Install 02" Rigid Insulation Board over and along sides of thickened sludge pipes between sludge building and point where 4' of cover is reached south of the electrical duct bank. Approximately 615 SF to cover top of sludge pipes + 155 SF to cover sides of sludge pipes (77.5 LF x 1' H x 2 EA). Totalling 770 SF. (1 DAY)			
<b>LABOR</b>			
TRADE / OCCUPATION	QTY	HRS EA	TOTAL HRS
Labor Foreman	1.00	8.00	8.00
Laborer	1.00	8.00	8.00
			-
			-
			-
			-
			-
			-
			-
RATE:	Niagara Highway	TOTAL HRS	16.00
		LABOR COST	\$ 1,323.36
<b>EQUIPMENT</b>			
DESCRIPTION	# of UNITS	TIME	U/M
Truck One-Ton Tool	1.00	8.00	HR
		EQUIPMENT COST	\$ 168.00
<b>MATERIALS / SERVICES</b>			
DESCRIPTION	QTY	U/M	UNIT PRICE
Materials (Not Specified) 02" Rigid Insulation	770.00	SF	0.68
			-
			-
			-
			-
			-
		MATERIALS COST	\$ 523.60
<b>SUBCONTRACTS</b>			
NAME	WORK PERFORMED		TOTAL
		SUBCONTRACT COST	\$ -
<b>TRANSPORTATION</b>			
DESCRIPTION	# of UNITS	TIME	U/M
			-
			-
			-
			-
			-
		TRANSPORTATION COST	\$ -
		TOTAL EXTRA / PROPOSED WORK COST	\$ 2,014.96



Waters Corning  
FOAMULAR NGX F-250 2 in. x 4 ft. x 8 ft. SSE R-10 XPS Rigid Foam Board Insulation  
★★★★★ (11) Questions & Answers (55)



Hover Image to Zoom

Share Print

- Saves energy and resists moisture with limited lifetime warranty
- Blocks mildew, corrosion and rot; easy to cut and install
- Strong, lightweight pink foam panels don't require special tools
- View More Details

Niagara Falls Store

✓ 88 in stock Aisle 21, Bay 012 Text to Me

Sheathing Size: 8 ft. x 1 in. x 48 in.

2 ft. x 1 in. x 24 in. 8 ft. x 1 in. x 48 in.

8 ft. x 2 in. x 48 in.

8 ft. x 0.5 in. x 48 in. 8 ft. x 1.5 in. x 48 in.

How to Get It

Delivering to: 14304 | Change



Store Pickup

Pickup Today FREE



Ship to Home

Not available for this item

Scheduled Delivery

As soon as Tomorrow \$78.00

88 in stock at Niagara Falls  
Check Nearby Stores

How much will you need?

Please note: calculations are estimates and can only be made using whole numbers.

Calculate by Square Footage

Area 1

Length: Width:

ft

ft

☐ **ALBANY OFFICE**  
5 Lieblich Lane  
Halfmoon, NY 12065

**ADDITIONAL WORK AUTHORIZATION**  
**JOHN W. DANFORTH COMPANY**

☐ ROCHESTER OFFICE  
939 Old Dutch Rd.  
Victor, NY 14564

☐ **OHIO OFFICE**  
5532 Shier Rings Rd.  
Dublin, OH 43016

☐ **SYRACUSE OFFICE**  
6730 VIP Parkway  
Syracuse, NY 13211

Ticket #

OWNER'S:	NFWB	DATE	
DIRECTED BY:	JM Davidson	CONTRACT / P.O.#	
ADDRESS		JOB NO.	50391
		EXTRA NO.	502
CITY		JOB NAME	NFWB

**YOU ARE HEREBY AUTHORIZED TO PERFORM THE FOLLOWING ADDITIONAL WORK SPECIFICALLY DESCRIBED WHICH IS OVER**  
**DESCRIPTION OF WORK:**

**Remove Grating** in thickened sludge pump building for temporary hoses and build handrail system from wood

**Demo handrail** upon completion of job

[illegible]

IMPACT TO BASE SCORE / SCHEDULE	<input type="checkbox"/> YES <input type="checkbox"/> NO	APPLICABLE TAX	0.00%	\$	-
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SHOP FABRICATION REQUIRED:	<input type="checkbox"/> YES <input type="checkbox"/> NO	TOTAL LABOR	\$ 5,404.16
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SUBCONTRACTORS UTILIZED DURING WORK:	<input type="checkbox"/> NAME	Starker	CO VALUE	\$	-	<input type="checkbox"/> NAME	CO VALUE	\$	-
	<input type="checkbox"/> NAME	U&S	CO VALUE	\$	-	<input type="checkbox"/> NAME	CO VALUE	\$	-

MATERIALS AND SUPPLIES				TOOLS AND EQUIPMENT		BILLING RATE		
QUANTITY	DESCRIPTION	UNIT PRICE	EXTENSION	QUANTITY	DESCRIPTION	HOURS	RATE	EXTENSION
1.00	Lumber	\$ 652.00	\$ 652.00	1.00	SHOP DELIVERIES	4.00	\$ 95.00	\$ 380.00
1.00	Safety Equipment	\$ 108.00	\$ 108.00		TRUCK		\$ -	\$ -
		\$ -	\$ -		MANLIFT		\$ -	\$ -
		\$ -	\$ -		LULL / FORKLIFT		\$ -	\$ -
		\$ -	\$ -		WELDER		\$ -	\$ -
		\$ -	\$ -		CORE MACHINE		\$ -	\$ -
		\$ -	\$ -					\$ -
		\$ -	\$ -					\$ -
		\$ -	\$ -	SUB TOTAL				\$ 380.00
		\$ -	\$ -	APPLICABLE SALES TAX 0.00%				\$ -
		\$ -	\$ -	TOTAL				\$ 380.00
		\$ -	\$ -	WORK COMPLETED	TOTAL EQUIPMENT		\$ 380.00	
		\$ -	\$ -		TOTAL MATERIAL		\$ 820.80	

ALL ITEMS PURCHASED AS REQUIRED BUT NOT SHOWN ABOVE WILL BE INVOICED AT COST PLUS  
APPLICABLE OH & P. BACK-UP FOR THESE ITEMS WILL BE INCLUDED UPON REQUEST

	SUB TOTAL	\$	760 00
	APPLICABLE SALES TAX 8.00%	\$	60 80
	TOTAL	\$	820 80

WE HEREBY AGREE THAT THE ABOVE ADDITIONAL WORK IS ACCEPTABLE AND SHALL NOT BE SUBJECT TO ANY RETAINAGES AND IS PAYABLE ON A NET 30 DAY BASIS.

DATE \_\_\_\_\_ SIGNATURE \_\_\_\_\_

COMPANY

**WORK COMPLETE?**

☐ YES☐ NO

THE CONTRACTOR AGREES TO FURNISH LABOR AND MATERIAL IN ACCORDANCE WITH ABOVE SPECIFICATIONS AND WILL INVOICE YOU AT RATES QUOTED

SIGNATURE

Craig Reagan

JOHN W. DANFORTH COMPANY

☐ **ALBANY OFFICE**  
5 Liebich Lane  
Halfmoon, NY 12065

**ADDITIONAL WORK AUTHORIZATION**  
**JOHN W. DANFORTH COMPANY**

☐ ROCHESTER OFFICE  
939 Old Dutch Rd.  
Victor, NY 14564

☐ OHIO OFFICE  
5532 Shier Rings Rd.  
Dublin, OH 43016

☐ SYRACUSE OFFICE  
6730 VIP Parkway  
Syracuse, NY 13211

Ticket #

OWNER'S:	NFWB	DATE	
DIRECTED BY:	JM Davidson	CONTRACT / P.O.#	
ADDRESS		JOB NO.	50391
		EXTRA NO.	502
CITY		JOB NAME	NFWB

**YOU ARE HEREBY AUTHORIZED TO PERFORM THE FOLLOWING ADDITIONAL WORK SPECIFICALLY DESCRIBED WHICH IS OVER AND ABOVE THE WORK DESCRIBED IN THE CONTRACT:**

Receive hoses, layout hoses, connect hose sections together & sling hoses into thickened sludge pump building

Install supports made in the fab shop to corral the temporary hoses

[illegible]

IMPACT TO BASE SCOPE / SCHEDULE	<input type="checkbox"/> YES <input type="checkbox"/> NO	APPLICABLE TAX	0.00%	\$	-
SHOP FABRICATION REQUIRED:	<input type="checkbox"/> YES <input type="checkbox"/> NO	TOTAL LABOR		\$	7,463.60

SUBCONTRACTORS UTILIZED DURING WORK:	<input type="checkbox"/> NAME	Starker	CO VALUE	\$	-	<input type="checkbox"/> NAME	CO VALUE	\$	-
	<input type="checkbox"/> NAME	U&S	CO VALUE	\$	-	<input type="checkbox"/> NAME	CO VALUE	\$	-

MATERIALS AND SUPPLIES				TOOLS AND EQUIPMENT		BILLING RATE		
QUANTITY	DESCRIPTION	UNIT PRICE	EXTENSION	QUANTITY	DESCRIPTION	HOURS	RATE	EXTENSION
1.00	Lull - 2 months	\$ 7,255.74	\$ 7,255.74	1.00	SHOP DELIVERIES	4.00	\$ 95.00	\$ 380.00
1.00	400' temp hoses - 2 months	\$ 14,158.88	\$14,158.88		TRUCK		\$ -	\$ -
1.00	Safety Equipment w/ tax	\$ 145.80	\$ 145.80		MANLIFT		\$ -	\$ -
1.00	Lot of angle iron w/ tax	\$ 324.00	\$ 324.00	1.00	Band saw	2.00	\$ 8.50	\$ 17.00
		\$ -	\$ -	1.00	WELDER	4.00	\$ 12.75	\$ 51.00
		\$ -	\$ -		CORE MACHINE		\$ -	\$ -
		\$ -	\$ -					\$ -
		\$ -	\$ -					\$ -
		\$ -	\$ -	SUB TOTAL				\$ 448.00
		\$ -	\$ -	APPLICABLE SALES TAX 0.00%				\$ -
		\$ -	\$ -	TOTAL				\$ 448.00
		\$ -	\$ -	WORK CONDITIONS	TOTAL EQUIPMENT			\$ 448.00
		\$ -	\$ -		TOTAL MATERIAL			\$ 21,884.42

ALL ITEMS PURCHASED AS REQUIRED BUT NOT SHOWN ABOVE WILL BE INVOICED AT COST PLUS  
APPLICABLE OH & P. BACK-UP FOR THESE ITEMS WILL BE INCLUDED UPON REQUEST.

	SUB TOTAL		\$	21,884.42
	APPLICABLE SALES TAX	0.00%	\$	-
	TOTAL		\$	21,884.42

WE HEREBY AGREE THAT THE ABOVE ADDITIONAL WORK IS ACCEPTABLE AND SHALL NOT BE SUBJECT TO ANY RETAINAGES AND IS PAYABLE ON A NET 30 DAY BASIS.

DATE \_\_\_\_\_ SIGNATURE \_\_\_\_\_

COMPANY

WORK COMPLETE?

☐ YES☐ NO

THE CONTRACTOR AGREES TO FURNISH LABOR AND MATERIAL IN ACCORDANCE WITH ABOVE SPECIFICATIONS AND WILL INVOICE YOU AT RATES QUOTED

SIGNATURE

Craig Reagan

JOHN W. DANFORTH COMPANY



BRANCH 023  
4811 TRANSIT ROAD  
WILLIAMSVILLE NY 14221  
716-565-1330

## # 207916835

Job Site

WATERBOARD  
5815 BUFFALO AVE  
NIAGARA FALLS NY 14304-3832

Office: 716-832-2383 Cell: 716-583-1279

Customer # : 1130040  
Quote Date : 06/28/22  
Estimated Out : 07/06/22 09:00 AM  
Estimated In : 07/13/22 09:00 AM  
UR Job Loc : 5815 BUFFALO AVE, NI  
UR Job # : 1116  
Customer Job ID:  
P.O. # : TBD  
Requested By : CRAIG REAGAN  
Approved By : MARK MORETTI  
Salesperson :

JOHN W DANFORTH CO  
300 COLVIN WOODS PKWY  
TONAWANDA NY 14150-6976

**This is not an invoice  
Please do not pay from this document**

RENTAL ITEMS:							
Qty	Equipment	Description	Minimum	Day	Week	4 Week	Estimated Amt.
1	2331650	FORKLIFT VARIABLE REACH 10000# 50' & UP	480.00	480.00	1,196.00	3,168.00	1,196.00
Rental Subtotal:							1,196.00
SALES/MISCELLANEOUS ITEMS:							
Qty	Item		Price		Unit of Measure		Extended Amt.
1	DELIVERY CHARGE		102.250		EACH		102.25
1	PICKUP CHARGE		102.250		EACH		102.25
Sales/Misc Subtotal:							204.50
Agreement Subtotal:							1,400.50
Estimated Total:							1,400.50

### COMMENTS/NOTES:

CONTACT: CRAIG REAGAN  
CELL#: 716-583-1279

TO SCHEDULE EQUIPMENT FOR PICKUP, CALL 800-UR-RENTS (800-877-3687)  
WE ARE AVAILABLE 24/7 TO SUPPLY YOU WITH A CONFIRMATION #  
IN ORDER TO CLOSE THIS CONTRACT

2 months @ 3168.00 = \$6336.00  
Pick and delivery = \$204.50  
Subtotal = \$6540.50  
w/ tax = \$7063.74  
plus gas usage = \$7255.74

This proposal may be withdrawn if not accepted within 30 days. The above referenced Rental Protection Plan, environmental, and tax charges are estimates and are subject to change.

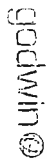
NOTICE: This is not a rental agreement. The rental of equipment and any items listed above is subject to availability and subject to the terms and conditions of the Rental and Service Agreement, which are available at <https://www.unitedrentals.com/legal/rental-service-terms-US> and which are incorporated herein by reference. A COPY OF THE RENTAL AND SERVICE AGREEMENT TERMS ARE AVAILABLE UPON REQUEST.



Sold by:

**Invoice**  
Branch 004  
8039 Oak Orchard Road  
Batavia, NY 14020  
Tel: 585-344-3156  
Fax: 585-344-3158

Remit to: Xylem Dewatering Solutions, Inc.  
26717 Network Place  
Chicago, IL 60673-1267  
Phone: 1.855.278.2248 (opt 1)  
NOTE: Valued customers, please note the NEW remit address change included on this invoice.



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John W Danforth Co  
300 Colvin Woods Pkwy  
Tonawanda, NY 14150-6976

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John W Danforth Co  
Niagara Falls WWTP  
Niagara Falls, NY 14301

Cust. No.	Invoice Date	Invoice No.
00007975	12-22-2021	401138300

Page 1 of 1

Customer PO	Ordered By	Contract Date	Rental Contract #	Sales Representative	Order Taken By	Payment Terms	
#		12-02-2021	204014332	Robert J. LeFevre	Robert J. LeFevre	Net 30	
QTY	ITEM	DESCRIPTION		PER	D/W/M	RATE	AMOUNT
16	HSCR040020F1NR	Rental 12/02/2021 Thru 12/29/2021 4" x 20' Cargo Hose W/150#FL		1	M	306.00	4896.00
8	HSCM040010F1NR	4" x 10' Composite Hose W/150#FL		1	M	174.00	1392.00
1	DZONE03PICKUP	Delivery Zone 3 - Pickup Truck				180.00	180.00
Fuel Surcharge .94/mile							\$ 6468.00 + Tax \$ 6985.44 x 2 months \$ 13970.88 188.00 \$ 14,158.88
ALL PAST DUE INVOICES ARE SUBJECT TO 1 1/2% PER MONTH SERVICE CHARGE		Rental	Labor	Shipping	Misc. Charges	Taxes	Total Invoice
		\$	\$ 0.00		\$ 0.00		

Important Information: Due to fraud attempts any communication for changes of bank account

Important Information: Due to fraud attempts any communication for changes of bank account details have to be confirmed by a call-back with your respective Xylem contact person.









☐ **ALBANY OFFICE**  
5 Liebich Lane  
Halfmoon, NY 12065

**ADDITIONAL WORK AUTHORIZATION**  
**JOHN W. DANFORTH COMPANY**

☐ ROCHESTER OFFICE  
939 Old Dutch Rd.  
Victor, NY 14564

☐ OHIO OFFICE  
5532 Shier Rings Rd.  
Dublin, OH 43016

☐ **SYRACUSE OFFICE**  
6730 VIP Parkway  
Syracuse, NY 13211

Ticket #

OWNER'S:	NFWB	DATE	
DIRECTED BY:	JM Davidson	CONTRACT / P.O.#	
ADDRESS		JOB NO.	50391
		EXTRA NO.	502
CITY		JOB NAME	NFWB

**YOU ARE HEREBY AUTHORIZED TO PERFORM THE FOLLOWING ADDITIONAL WORK SPECIFICALLY DESCRIBED WHICH IS OVER AND ABOVE THE SCOPE OF THE CONTRACT:**

Install new piping thru cores and water plug around piping

WATER PLUG IS FOR SEALING THE WALL AROUND THE NEW PENETRATIONS

[illegible]

IMPACT TO BASE SCOPE / SCHEDULE	<input type="checkbox"/> YES <input type="checkbox"/> NO	APPLICABLE TAX	0.00%	\$	-
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SHOP FABRICATION REQUIRED:	<input type="checkbox"/> YES <input type="checkbox"/> NO	TOTAL LABOR	\$ 6,777.12
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SUBCONTRACTORS UTILIZED DURING WORK:	<input type="checkbox"/> NAME	Starker	CO VALUE	\$	-	<input type="checkbox"/> NAME	CO VALUE	\$	-
	<input type="checkbox"/> NAME	U&S	CO VALUE	\$	-	<input type="checkbox"/> NAME	CO VALUE	\$	-

MATERIALS AND SUPPLIES				TOOLS AND EQUIPMENT		BILLING RATE		
QUANTITY	DESCRIPTION	UNIT PRICE	EXTENSION	QUANTITY	DESCRIPTION	HOURS	RATE	EXTENSION
7.00	Buckets of water plug	\$ 60.00	\$ 420.00	1.00	SHOP DELIVERIES	4.00	\$ 95.00	\$ 380.00
			\$ -		TRUCK		\$ -	\$ -
1.00	Safety Equipment w/ tax	\$ 145.80	\$ 145.80		MANLIFT		\$ -	\$ -
		\$ -	\$ -		LULL / FORKLIFT		\$ -	\$ -
		\$ -	\$ -		WELDER		\$ -	\$ -
		\$ -	\$ -		CORE MACHINE		\$ -	\$ -
		\$ -	\$ -					\$ -
		\$ -	\$ -					\$ -
		\$ -	\$ -		SUB TOTAL			\$ 380.00
		\$ -	\$ -		APPLICABLE SALES TAX 0.00%			\$ -
		\$ -	\$ -		TOTAL			\$ 380.00
		\$ -	\$ -			TOTAL EQUIPMENT \$ 380.00		
		\$ -	\$ -			TOTAL MATERIAL \$ 565.80		

ALL ITEMS PURCHASED AS REQUIRED BUT NOT SHOWN ABOVE WILL BE INVOICED AT COST PLUS  
APPLICABLE OH & P. BACK-UP FOR THESE ITEMS WILL BE INCLUDED UPON REQUEST

	SUB TOTAL	\$	565.80
	APPLICABLE SALES TAX	0.00%	\$ -
	TOTAL	\$	565.80

WE HEREBY AGREE THAT THE ABOVE ADDITIONAL WORK IS ACCEPTABLE AND SHALL NOT BE SUBJECT TO ANY RETAINAGES AND IS PAYABLE ON A NET 30 DAY BASIS.

DATE \_\_\_\_\_ SIGNATURE \_\_\_\_\_

COMPANY

**WORK COMPLETE?**

☐ YES☐ NO

TOTAL EQUIPMENT	\$	380.00
TOTAL MATERIAL	\$	565.80
SUBCONTRACTORS	\$	-
TOTAL LABOR	\$	6,777.12
WARRANTY 2%	\$	154.46
BOND 0%	\$	-
OH & P 15%	\$	1,181.61
<b>TOTAL AWA SALES PRICE</b>	<b>\$</b>	<b>9,058.99</b>

THE CONTRACTOR AGREES TO FURNISH LABOR AND MATERIAL IN ACCORDANCE  
WITH ABOVE SPECIFICATIONS AND WILL INVOICE YOU AT RATES QUOTED

SIGNATURE

Craig Reagan  
JOHN W. DANFORTH COMPANY

☐ **ALBANY OFFICE**  
5 Lieblich Lane  
Halfmoon, NY 12065

**ADDITIONAL WORK AUTHORIZATION**  
**JOHN W. DANFORTH COMPANY**

☐ ROCHESTER OFFICE  
939 Old Dutch Rd.  
Victor, NY 14564

☐ OHIO OFFICE  
5532 Shier Rings Rd.  
Dublin, OH 43016

☐ **SYRACUSE OFFICE**  
6730 VIP Parkway  
Syracuse, NY 13211

Ticket #

OWNER'S:	NFWB	DATE	
DIRECTED BY:	JM Davidson	CONTRACT / P.O.#	
ADDRESS		JOB NO.	50391 EXTRA NO. 502
CITY		JOB NAME	NFWB

**YOU ARE HEREBY AUTHORIZED TO PERFORM THE FOLLOWING ADDITIONAL WORK SPECIFICALLY DESCRIBED WHICH IS OVER AND ABOVE THE SCOPE OF THE CONTRACT:**

**Disconnect temporary hoses for Carrone to make permanent connections during 4 separate shutdowns**

[illegible]

IMPACT TO BASE SCOPE / SCHEDULE	<input type="checkbox"/> YES <input type="checkbox"/> NO	APPLICABLE TAX	0.00%	\$	.
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SHOP FABRICATION REQUIRED:	<input type="checkbox"/> YES <input type="checkbox"/> NO	TOTAL LABOR \$ 10,896.00
----------------------------	--	--------------------------

SUBCONTRACTORS UTILIZED DURING WORK:	<input type="checkbox"/> NAME	Starker	CO VALUE	\$	-	<input type="checkbox"/> NAME	CO VALUE	\$	-
	<input type="checkbox"/> NAME	U&S	CO VALUE	\$	-	<input type="checkbox"/> NAME	CO VALUE	\$	-

MATERIALS AND SUPPLIES				TOOLS AND EQUIPMENT		BILLING RATE		
QUANTITY	DESCRIPTION	UNIT PRICE	EXTENSION	QUANTITY	DESCRIPTION	HOURS	RATE	EXTENSION
1.00	Safety Equipment	\$ 218.00	\$ 218.00		SHOP DELIVERIES		\$ -	\$ -
		\$ -	\$ -		TRUCK		\$ -	\$ -
		\$ -	\$ -		MANLIFT		\$ -	\$ -
		\$ -	\$ -		LULL / FORKLIFT		\$ -	\$ -
		\$ -	\$ -		WELDER		\$ -	\$ -
		\$ -	\$ -		CORE MACHINE		\$ -	\$ -
		\$ -	\$ -					\$ -
		\$ -	\$ -					\$ -
		\$ -	\$ -	SUB TOTAL				\$ -
		\$ -	\$ -	APPLICABLE SALES TAX 8.75%				\$ -
		\$ -	\$ -	TOTAL				\$ -
		\$ -	\$ -	WORK COMPLETED	TOTAL EQUIPMENT		\$ -	
		\$ -	\$ -		TOTAL MATERIAL		\$ 235.44	

ALL ITEMS PURCHASED AS REQUIRED BUT NOT SHOWN ABOVE WILL BE INVOICED AT COST PLUS  
APPLICABLE OH & P. BACK-UP FOR THESE ITEMS WILL BE INCLUDED UPON REQUEST

		SUB TOTAL	\$	218.00
	APPLICABLE SALES TAX	8.00%	\$	17.44
		TOTAL	\$	235.44

WE HEREBY AGREE THAT THE ABOVE ADDITIONAL WORK IS ACCEPTABLE AND SHALL NOT BE SUBJECT TO ANY RETAINAGES AND IS PAYABLE ON A NET 30 DAY BASIS.

DATE \_\_\_\_\_ SIGNATURE \_\_\_\_\_

COMPANY

**WORK COMPLETE?**

☐ YES☐ NO

THE CONTRACTOR AGREES TO FURNISH LABOR AND MATERIAL IN ACCORDANCE  
WITH ABOVE SPECIFICATIONS AND WILL INVOICE YOU AT RATES QUOTED

SIGNATURE

Craig Reagan

JOHN W. DANFORTH COMPANY





☐ **ALBANY OFFICE**  
5 Liebich Lane  
Halfmoon, NY 12065

**ADDITIONAL WORK AUTHORIZATION**  
**JOHN W. DANFORTH COMPANY**

☐ ROCHESTER OFFICE  
939 Old Dutch Rd.  
Victor, NY 14564

☐ **OHIO OFFICE**  
**5532 Shier Rings Rd.**  
**Dublin, OH 43016**

☐ **SYRACUSE OFFICE**  
6730 VIP Parkway  
Syracuse, NY 13211

Ticket #

OWNER'S:	NFWB	DATE	
DIRECTED BY:	JM Davidson	CONTRACT / P.O.#	
ADDRESS		JOB NO.	50391
		EXTRA NO.	502
CITY		JOB NAME	NFWB

**YOU ARE HEREBY AUTHORIZED TO PERFORM THE FOLLOWING ADDITIONAL WORK SPECIFICALLY DESCRIBED WHICH IS OVER**  
**DESCRIPTION OF WORK:**

**Coordinate with Bison Scaffold**

Bison Scaffold to erect bridge over excavation - 1 month rental

[illegible]

IMPACT TO BASE SCOPE / SCHEDULE ☐ YES ☐ NO

APPLICABLE TAX	0.00%	\$	-
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SHOP FABRICATION REQUIRED: ☐ YES ☐ NO

TOTAL LABOR	\$ 730.32
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SUBCONTRACTORS UTILIZED DURING WORK:	<input type="checkbox"/> NAME	Starker	CO VALUE	\$ -	<input type="checkbox"/> NAME	CO VALUE	\$ -
	<input type="checkbox"/> NAME	U&S	CO VALUE	\$ -	<input type="checkbox"/> NAME	CO VALUE	\$ -

MATERIALS AND SUPPLIES				TOOLS AND EQUIPMENT		BILLING RATE		
QUANTITY	DESCRIPTION	UNIT PRICE	EXTENSION	QUANTITY	DESCRIPTION	HOURS	RATE	EXTENSION
1.00	Bison scaffold	\$ 6,850.00	\$ 6,850.00	0.00	SHOP DELIVERIES	0.00	\$ 95.00	\$ -
		\$ -	\$ -		TRUCK		\$ -	\$ -
		\$ -	\$ -		MANLIFT		\$ -	\$ -
		\$ -	\$ -		LULL / FORKLIFT		\$ -	\$ -
		\$ -	\$ -		WELDER		\$ -	\$ -
		\$ -	\$ -		CORE MACHINE		\$ -	\$ -
		\$ -	\$ -					\$ -
		\$ -	\$ -					\$ -
		\$ -	\$ -	SUB TOTAL				\$ -
		\$ -	\$ -	APPLICABLE SALES TAX 0.00%				\$ -
		\$ -	\$ -	TOTAL				\$ -
		\$ -	\$ -	WORK COMPLETES	TOTAL EQUIPMENT			\$ -
		\$ -	\$ -		TOTAL MATERIAL			\$ 7,398.00

ALL ITEMS PURCHASED AS REQUIRED BUT NOT SHOWN ABOVE WILL BE INVOICED AT COST PLUS  
APPLICABLE OH & P. BACK-UP FOR THESE ITEMS WILL BE INCLUDED UPON REQUEST.

	SUB TOTAL	\$	6,850.00
	APPLICABLE SALES TAX	8.00%	\$ 548.00
	TOTAL	\$	7,398.00

WE HEREBY AGREE THAT THE ABOVE ADDITIONAL WORK IS ACCEPTABLE AND SHALL NOT BE SUBJECT TO ANY RETAINAGES AND IS PAYABLE ON A NET 30 DAY BASIS.

DATE \_\_\_\_\_ SIGNATURE \_\_\_\_\_

COMPANY

**WORK COMPLETE?**

☐ YES☐ NO

TOTAL EQUIPMENT	\$	-
TOTAL MATERIAL	\$	7,398.00
SUBCONTRACTORS	\$	-
TOTAL LABOR	\$	730.32
WARRANTY	0%	\$ -
BOND	0%	\$ -
OH & P	5%	\$ 406.42
<b>TOTAL AWA SALES PRICE</b>	<b>\$</b>	<b>8,534.74</b>

THE CONTRACTOR AGREES TO FURNISH LABOR AND MATERIAL IN ACCORDANCE  
WITH ABOVE SPECIFICATIONS AND WILL INVOICE YOU AT RATES QUOTED

SIGNATURE

Craig Reagan  
JOHN W. DANFORTH COMPANY

**Bison Contracting and Builders Supply**  
 885 Bailey Avenue  
 Buffalo NY 14206  
 Tel: (716)-821-1995 - Fax: (716)-821-1997  
 BisonScaffold.com



## PROPOSAL

JOB NUMBER		JOB NAME <b>Niagara Waste Water</b>		DATE <b>June 23, 2022</b>	
CUSTOMER <b>John W. Danforth</b>			JOB SITE CONTACT <b>TBD</b>		
CONTACT <b>Keith Miller</b>			PERSON AUTHORIZED TO REQUEST CHANGE ORDERS <b>TBD</b>		
ADDRESS <b>300 Colvin Woods</b>			JOB SITE ADDRESS		
<b>Tonawanda, NY 14150</b>					
PHONE		FAX		PHONE	
				FAX	

PRICE                      \$ 6,850                      INCLUDING    28 DAY                      EQUIPMENT RENTAL  
 EXTENDED EQUIPMENT RENTAL \$ 112                      PER WEEK

THIS QUOTATION IS VALID FOR 30 DAYS

SPECIAL TERMS AND CONDITIONS AND DESCRIPTION OF WORK	
<p>Bison Contracting is pleased to supply you with the following quotation for the above mentioned project.</p> <p><b>Conditions:</b></p> <p>Pricing includes all freight in and out.</p> <p><b>Pricing does not Include and applicable Sales Tax.</b></p> <p>Bison to Supply, erect and dismantle stage over pit as per Keith. Jobsite is unseen.</p> <p>Stage to be complete with guard rail.</p>	
I HAVE READ THE REVERSE SIDE OF THIS CONTRACT AND AGREE TO THE TERMS AND CONDITIONS STATED HEREIN	
BY (Bison Contracting and Builders Supply) <b>Luke Sibick</b>	DATE <b>6/23/22</b>
ACCEPTED DATE	
TITLE <b>Project Manager</b>	
TITLE	



gocivilwin

Sold by:

**Invoice**

**Branch 004**  
8039 Oak Orchard Road  
Batavia, NY 14020  
Tel: 585-344-3156  
Fax: 585-344-3158

**Remit to:** Xylem Dewatering Solutions, Inc.

26717 Network Place  
Chicago, IL 60673-1267  
Phone: 1.855.278.2248 (opt 1)

**NOTE:** Valued customers, please note the NEW remit address change included on this invoice.

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John W Danforth Co  
300 Colvin Woods Pkwy  
Tonawanda, NY 14150-6976

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John W Danforth Co  
Niagara Falls WWTP  
Niagara Falls, NY 14301

Cust. No.	Invoice Date	Invoice No.
00007975	12-22-2021	401138300

Page 1 of 1

Customer PO	Ordered By	Contract Date	Rental Contract #	Sales Representative	Order Taken By	Payment Terms
#		12-02-2021	204014332	Robert J. LeFevre	Robert J. LeFevre	Net 30
QTY	ITEM	DESCRIPTION	PER	D/W/M	RATE	AMOUNT
Rental 12/02/2021 Thru 12/29/2021						
9	HSCR040020F1NR	4" x 20' Cargo Hose W/150#FL	1	M	306.00	2,754.00
1	HSSB040020F1NR	4" x 20' SS Braided Hose W/150#FL	1	M	306.00	306.00
4	HSSB040010S1NR	4" x 10' SS Braided Hose W/SS 150#FL	1	M	174.00	696.00
3	HSCM040010F1NR	4" x 10' Composite Hose W/150#FL	1	M	174.00	522.00
1	DZONE03PICKUP	Delivery Zone 3 - Pickup Truck			180.00	180.00

ALL PAST DUE INVOICES ARE SUBJECT TO  
1 1/2% PER MONTH SERVICE CHARGE

Rental	Labor	Shipping	Misc. Charges	Taxes
\$ 4,278.00	\$ 0.00	\$ 180.00	\$ 0.00	\$ 0.00

Total Invoice

\$ 4,458.00

Important Information: Due to fraud attempts any communication for changes of bank account details have to be confirmed by a call-back with your respective Xylem contact person.

July 12, 2022

Mr. Theodore Donner, PE  
Project Manager  
Clark Patterson Lee  
26 Mississippi St.  
Buffalo, New York 14203

**SUBJECT: CHANGE ORDER NO. 1  
PROPOSAL FOR ADDITIONAL CA/RPI SUPPORT  
WASTEWATER TREATMENT PLANT UPGRADES  
PROJECT 11B, EXTERIOR PROCESS PIPING IMPROVEMENTS  
NIAGARA FALLS WATER BOARD NIAGARA FALLS, NEW YORK**

Dear Mr. Donner,

JM Davidson Engineering, D.P.C. (JMD) appreciates the opportunity to submit the following scope and cost proposal for the above referenced project to provide additional Construction Assistance / Resident Project Inspection to accommodate the extended project schedule resulting from the unanticipated field conditions and subsequent changes to the exterior sludge line replacements.

Based on the Contractor's updated construction schedule, there are approximately 60 days of work necessary to complete the project. A construction inspector providing part time oversight at 4 hours a day will need 240 hours to cover the additional time. It is assumed that 30 hours will also be required for construction support to help with answering questions on the design, reviewing submittals for the new materials added to the scope, and assisting with record drawings and project closeout.

Currently JMD has \$6,600 remaining in our budget for Project 11B, and therefore requests our total fee for Project 11B be increased by **\$22,500**, as shown in the table below, to cover the additional work outlined above. This would increase our total authorized fee for Project 11B to \$75,465.

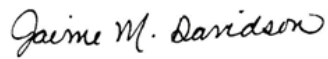
Job Category	Hourly Rate	Budgeted Hours	Total Fee
Project Engineer	\$130	30	\$ 3,900
Resident Project Inspector (Regular Time)	\$105	240	\$25,200
Remaining 11B Budget			(\$ 6,600)
<b>Subtotal - Change Order No. 1</b>			<b>\$22,500</b>
Original Project 11B Budget			\$52,965
REVISED TOTAL			\$75,465

Services described herein will be provided on a Time and Expense basis, and JMD will continue to provide construction support in accordance with the approved scope for the project dated August 28, 2020 and approved under Resolution # 2020-09-005.

We appreciate the opportunity to present this proposal to you and look forward to continuing working with you on this important project. If you have any questions regarding this letter, please contact me at (716) 912-1423.

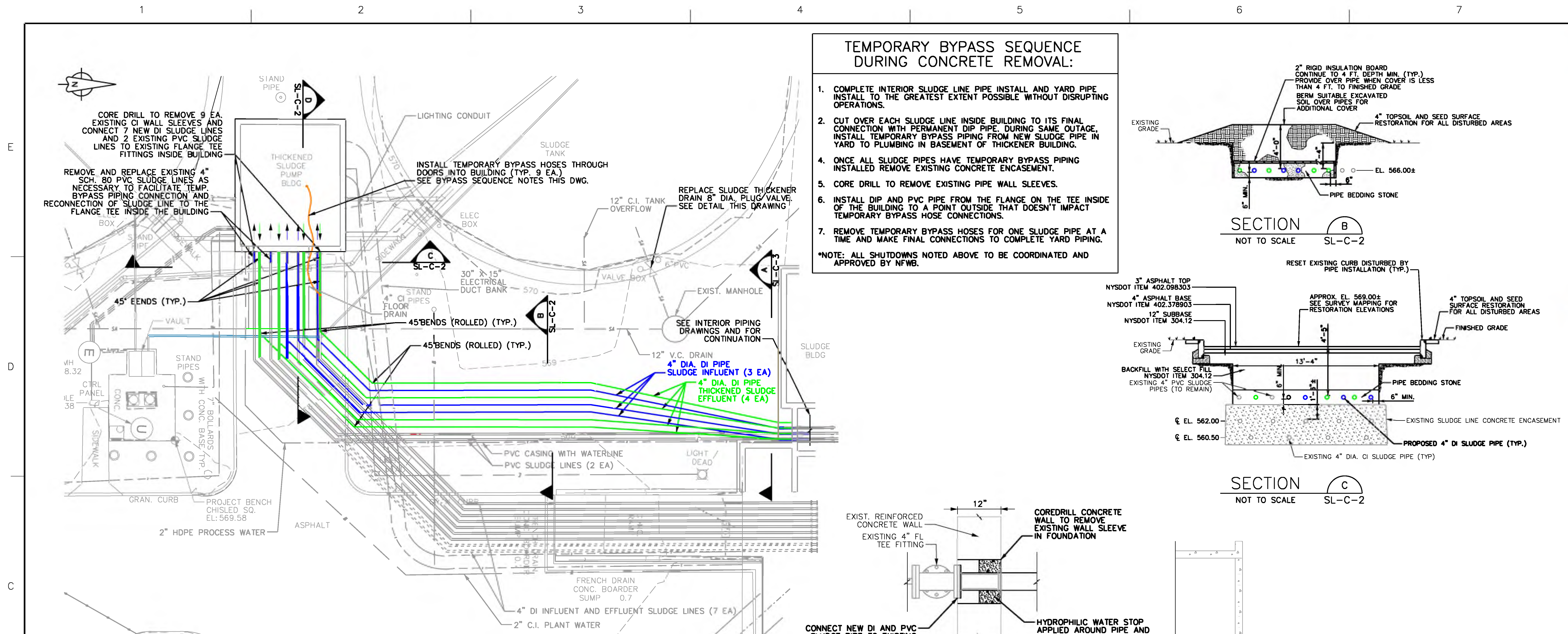
Sincerely,

JM Davidson Engineering, D.P.C.

A handwritten signature in cursive script that reads "Jaime M. Davidson".

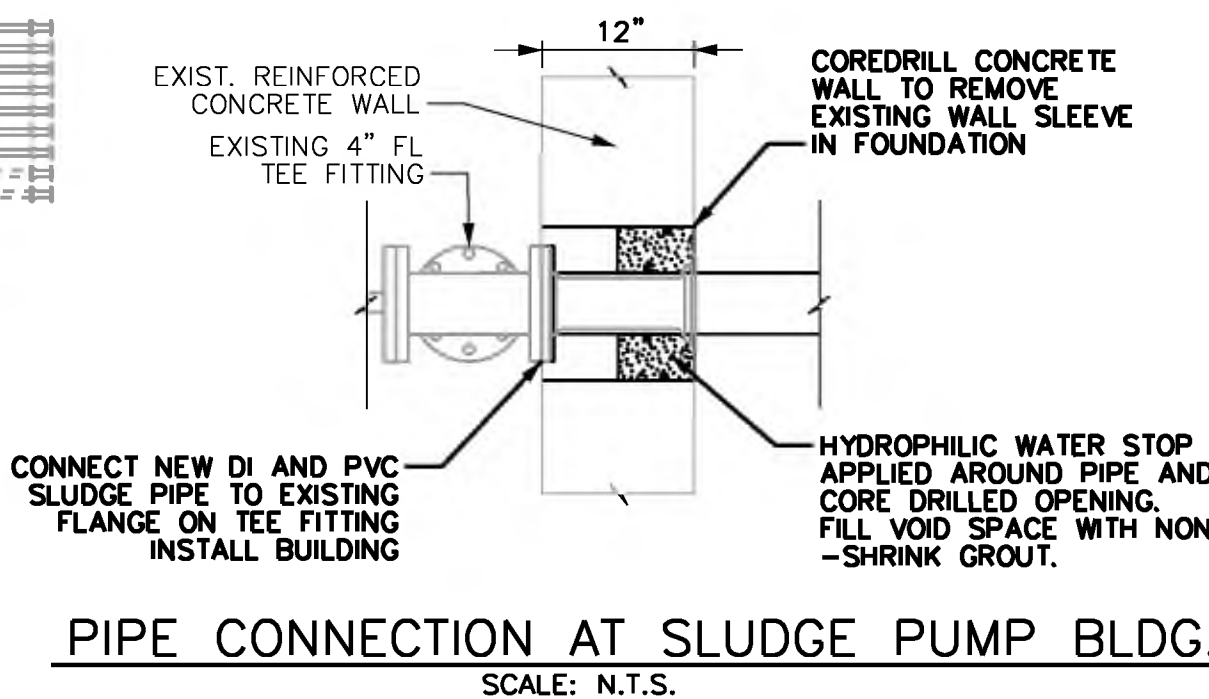
Jaime M. Davidson, PE  
President



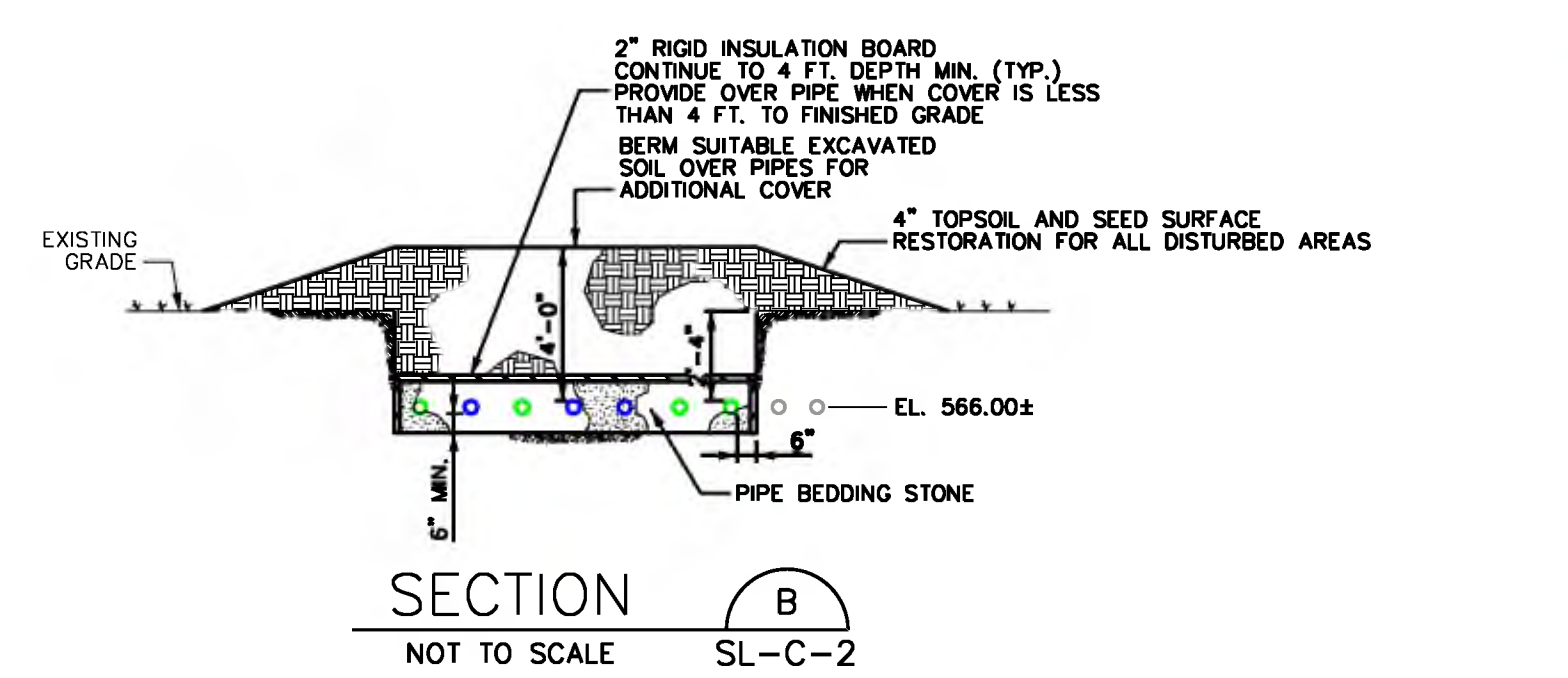


SLUDGE LINE PLAN  
SCALE: 1" = 10'

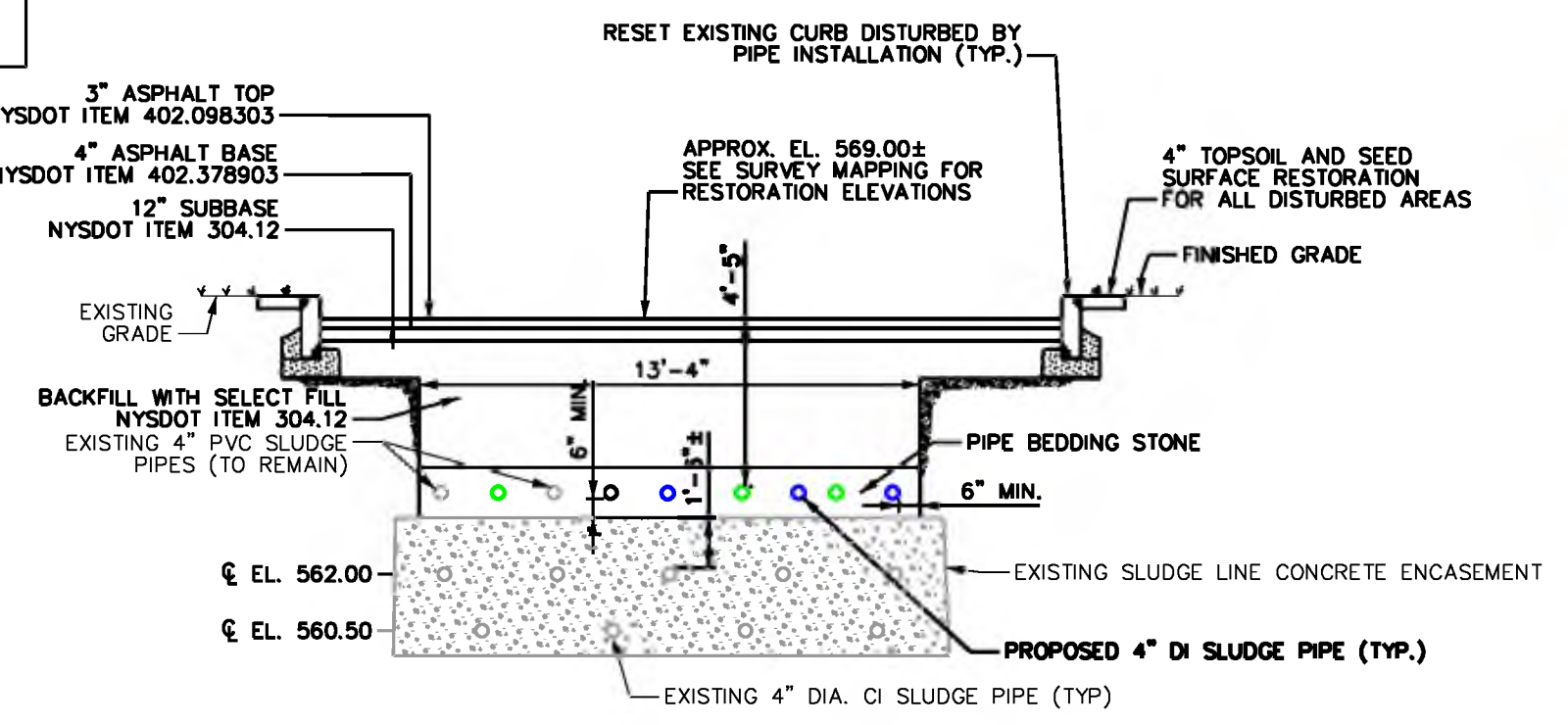
- ### TEMPORARY BYPASS SEQUENCE DURING CONCRETE REMOVAL:
1. COMPLETE INTERIOR SLUDGE LINE PIPE INSTALL AND YARD PIPE INSTALL TO THE GREATEST EXTENT POSSIBLE WITHOUT DISRUPTING OPERATIONS.
  2. CUT OVER EACH SLUDGE LINE INSIDE BUILDING TO ITS FINAL CONNECTION WITH PERMANENT DIP PIPE. DURING SAME OUTAGE, INSTALL TEMPORARY BYPASS PIPING FROM NEW SLUDGE PIPE IN YARD TO PLUMBING IN BASEMENT OF THICKENER BUILDING.
  4. ONCE ALL SLUDGE PIPES HAVE TEMPORARY BYPASS PIPING INSTALLED REMOVE EXISTING CONCRETE ENCASEMENT.
  5. CORE DRILL TO REMOVE EXISTING PIPE WALL SLEEVES.
  6. INSTALL DIP AND PVC PIPE FROM THE FLANGE ON THE TEE INSIDE OF THE BUILDING TO A POINT OUTSIDE THAT DOESN'T IMPACT TEMPORARY BYPASS HOSE CONNECTIONS.
  7. REMOVE TEMPORARY BYPASS HOSES FOR ONE SLUDGE PIPE AT A TIME AND MAKE FINAL CONNECTIONS TO COMPLETE YARD PIPING.
- \*NOTE: ALL SHUTDOWNS NOTED ABOVE TO BE COORDINATED AND APPROVED BY NFWB.



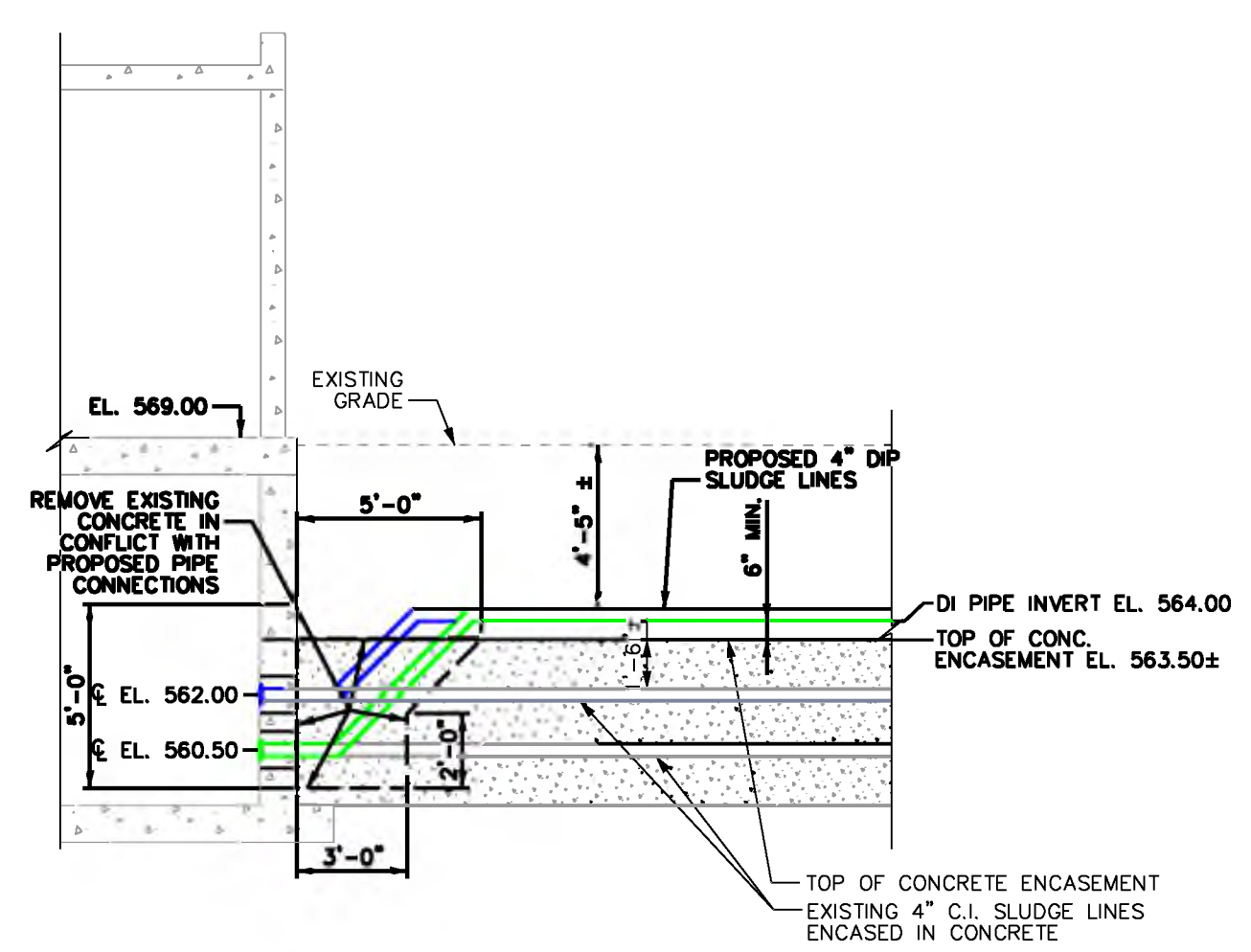
PIPE CONNECTION AT SLUDGE PUMP BLDG.  
SCALE: N.T.S.



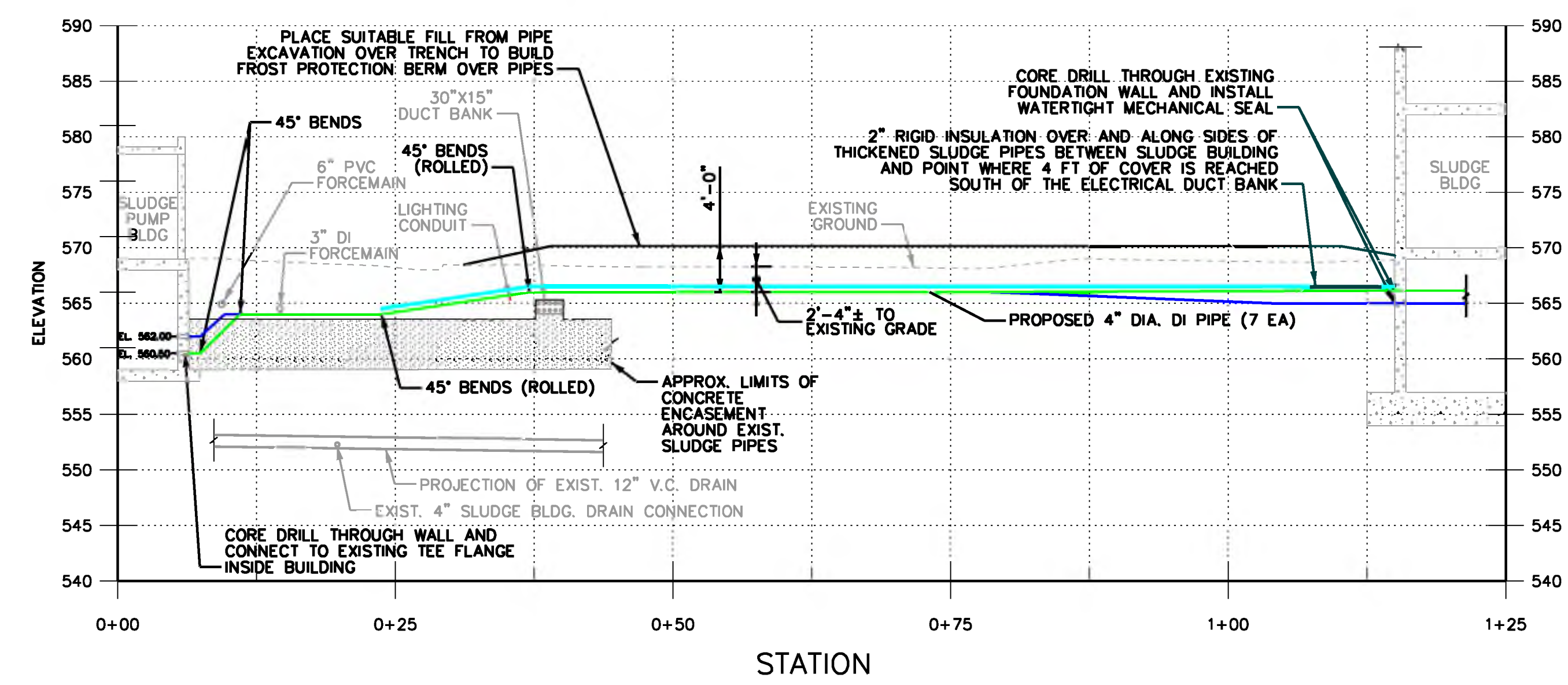
SECTION B  
NOT TO SCALE  
SL-C-2



SECTION C  
NOT TO SCALE  
SL-C-2

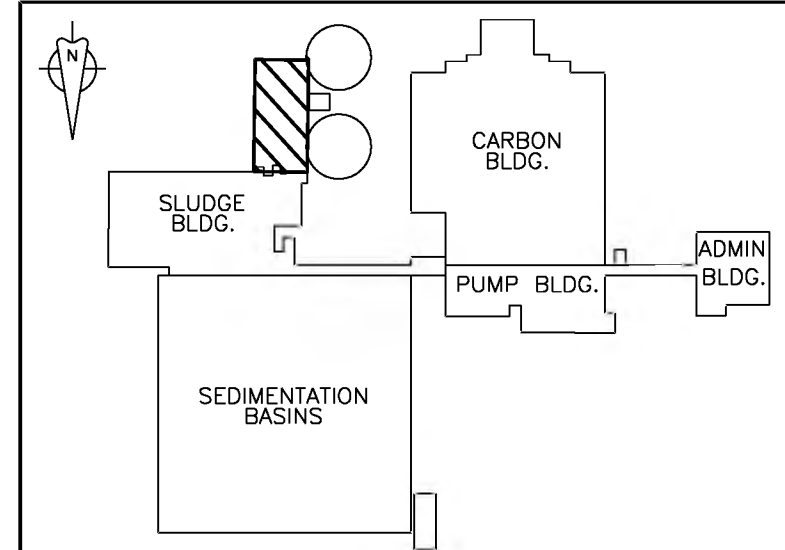


SECTION D  
NOT TO SCALE  
SL-C-2



SLUDGE LINE PROFILE  
HORIZ. AND VERT. SCALE: 1" = 10'

- ### NOTES:
1. COORDINATE SHUT DOWN OF SLUDGE LINES WITH NFWB. CONTRACTOR SHALL SUBMIT A DETAILED SHUTDOWN PHASING PLAN FOR APPROVAL BY NFWB.
  2. CONTRACTOR SHALL MAINTAIN NFWB STAFF ACCESS TO THE SLUDGE PUMP BUILDING DURING CONSTRUCTION.
  4. ALL NEW DI PIPE AND FITTINGS SHALL BE POLYWRAPPED BETWEEN THE SLUDGE BUILDING AND THICKENED SLUDGE PUMP BUILDING.
  5. CONTRACTOR SHALL PREVENT WATER FROM ENTERING THE BUILDINGS WHILE THE PIPE TRENCH EXCAVATION IS OPEN AND BUILDING FOUNDATION WALL PENETRATIONS ARE MADE.
  6. EXISTING SLUDGE LINES TO BE ABANDONED IN PLACE. INSTALL BLIND FLANGE ON WALL SLEEVE IN SLUDGE BUILDING. PLUG PIPE ENDS AT LIMITS OF PIPE REMOVAL NEAR THE SLUDGE BUILDING. SEE PIPE PLUGGING DETAIL ON DWG. S-C-3.
  7. 4" DIA. SLUDGE LINE SHALL HAVE RESTRAINED JOINTS FOR FULL LENGTH OF THE PIPE FROM THE MAIN SLUDGE BUILDING TO THE THICKENED SLUDGE PUMP BUILDING.
  8. INSTALL SEWER WARNING TAPE ABOVE ALL NEW SLUDGE LINES.
- ### LEGEND:
- SLUDGE INFLUENT (FROM SEDIMENTATION BASINS)
  - SLUDGE EFFLUENT (FROM SLUDGE THICKENING BUILDING)
  - EXISTING PIPE



**OWNER:**  
  
5815 BUFFALO AVENUE  
NIAGARA FALLS, NEW YORK, 14304  
**WASTEWATER TREATMENT PLANT UPGRADES**  
**PROJECT NO. 11:  
EXTERIOR PROCESS PIPING IMPROVEMENTS  
REBID**

**PREPARED BY:**  
  
525 WHEATFIELD STREET - SUITE 20  
NORTH TONAWANDA, NEW YORK 14120  
PHONE: 716-453-1646  
WWW.JMDAVIDSONENG.COM

**SEAL:**  
  
**NOT FOR CONSTRUCTION**

MARK	DATE	DESCRIPTION
2	6/12/2022	DRAFT FIELD CHANGE
1	4/21/2021	ISSUED FOR REBID

**ISSUE:**  
PROJECT NO: NO. 11  
DESIGNER PROJECT NO: 272001  
CAD DWG FILE:  
DRAWN BY: MAT  
CHECKED BY: JMD  
SCALE: AS NOTED  
DWG. SHEET SIZE: 22" X 34"  
COPYRIGHT: JMD DAVIDSON ENGINEERING D.P.C.  
SHEET TITLE

**SLUDGE LINE EXTERIOR PIPING PLAN**  
  
**DRAWING#**  
  
SL-C-2  
**SHEET 27 OF 15**



*NIAGARA FALLS WATER BOARD RESOLUTION # 2022-07-008*

**ZERO COST CHANGE ORDER FOR SCOPE ADJUSTMENT –  
WWTP INTERMEDIATE PUMP ASSESSMENT PROJECT**

**WHEREAS**, pursuant to Resolution No. 2022-01-004 the Niagara Falls Water Board (“Water Board”) accepted a proposal by GHD to develop a report assessing the intermediate pumps and associated check valves at the wastewater treatment plant (“WWTP”), as these pumps are original to the WWTP and have begun to develop operation and maintenance issues; and

**WHEREAS**, the scope of work originally proposed by GHD had as a significant focus matters related to the replacement of the existing intermediate pumps, but the Water Board has determined that a more detailed focus on performance issues related to the existing pumps is necessary in order to ensure that these issues are resolved in any future project related to the pumps; and

**WHEREAS**, GHD has presented a proposal dated July 6, 2022 for a revised scope of work aligned with the priorities identified by the Water Board; and

**WHEREAS**, GHD will complete this revised scope of work for the original proposed fee of \$21,716;

\* CONTINUED ON NEXT PAGE \*

**NOW THEREFORE BE IT**

**RESOLVED**, that the Niagara Falls Water Board hereby authorizes the Executive Director to execute an amendment to the agreement with GHD for wastewater treatment plant intermediate pumps assessment to incorporate the revised scope of work set forth in GHD's July 6, 2022 proposal, for no additional fee beyond that previously authorized by Resolution No. 2022-01-004.

*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 – funds previously approved pursuant to Resolution 2022-01-004.

On July 25, 2022, the question of the adoption of the foregoing Resolution was duly put to a vote on roll call, which resulted as follows:

	<b>Yes</b>	<b>No</b>	<b>Abstain</b>	<b>Absent</b>
Board Member Asklar	[    ]	[    ]	[    ]	[    ]
Board Member Kimble	[    ]	[    ]	[    ]	[    ]
Board Member Larkin	[    ]	[    ]	[    ]	[    ]
Board Member Leffler	[    ]	[    ]	[    ]	[    ]
Chairman Forster	[    ]	[    ]	[    ]	[    ]

Signed By:

Vote Witnessed By:

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Nicholas J. Forster, Chairman

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Sean W. Costello, Secretary to Board

Our ref: 12572194

July 06, 2022

Douglas S. Williamson, PE  
Director of Technical & Regulatory Services  
Niagara Falls Water Board  
5815 Buffalo Avenue  
Niagara Falls, New York 14304

**Wastewater Treatment Plant Project 12 Intermediate Pumps Assessment – Amendment No. 1  
Proposal for Evaluation of Pumping Equipment**

Dear Mr. Williamson:

As requested, GHD Consulting Services Inc. (GHD) is submitting this proposal to the Niagara Falls Water Board (NFWB) to evaluate the existing intermediate pumps at the NFWB wastewater treatment plant (WWTP). This evaluation would be incorporated as an amendment to the current intermediate pumps assessment that GHD is completing. Based on discussions during our May 25, 2022 meeting, we understand that the NFWB would like to complete an evaluation of the existing equipment and operational issues before reviewing replacement alternatives. Pursuant to this decision, GHD was instructed to stop working on the original project scope on May 17, 2022 and develop an adjusted scope. At that time, GHD had expended approximately \$4,300 of the \$21,716 fee that was authorized for the original project scope. The effort to date has been spent on reviewing background information and gaining an understanding of the pumping issues with the NFWB. It was not wasted effort and will help with completing the adjusted project scope. The NFWB has requested GHD to complete the adjusted scope of services as defined herein with the budget remaining from the original authorization.

## 1. Adjusted Scope of Services

GHD will complete the following adjusted scope of services in place of the scope of services outlined in GHD's original authorization:

1. Review available record pumping equipment data, inspect the existing equipment, and document the original design criteria and specifications (e.g., pump design flow rates, speeds, motor horsepower, etc.).
2. Interview facility staff and document operation and maintenance (O&M) issues associated with the intermediate pumping system, including the wet well, piping, valves, pumps, drives, level sensor, speed controllers, PLC/SCADA controls, electrical breakers/feeders, and motor starters. This will also include visual condition assessments of the structural, architectural, HVAC and plumbing systems associated with the intermediate pumps. We will also review the following issues that were provided to GHD by the NFWB on May 27, 2022.
  - a. Check valve slamming of pumps 2 and 3
  - b. Magnetic pickup sensor
  - c. Speed controllers

3. We will schedule one (1) day to perform onsite interviews, inspect the existing equipment, and perform visual condition assessments with GHD mechanical, electrical, and control engineers.
4. Document the typical dry weather and wet weather operating conditions.
5. Document upgrades, maintenance and repairs made to the equipment over the last 10 years.
6. Review and document the issues that require two (2) intermediate pumps to be operated continuously, including the need to manually purge air before startup of the pumps.
7. Calculate the system head curve to determine the minimum and maximum operating points of the existing pumps. This information will also be used to calculate the theoretical efficiency of the existing pumps based on the original certified test curves with one and two pumps operating at a plant flow of 25 mgd.
8. Incorporate the results of this evaluation into a condition assessment report. This report will include recommendations to perform additional evaluations for further review of replacement alternatives.

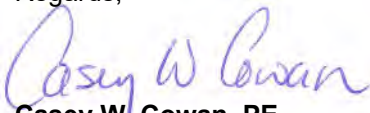
## 2. Proposed Fee and Schedule

GHD proposes to complete the adjusted scope of services for the remaining portion of the original \$21,716 fee in accordance with our Professional Engineering Services Agreement. A draft version of our assessment report will be submitted for review within 8 weeks after authorization to proceed. Our proposal is based on the following assumptions:

- A one-day site visit will be sufficient to obtain the visual condition information required for the intermediate pumping system, and obtain input from NFWB staff.
- Physical and modeling assessments (e.g., pipe thickness testing, surge analysis/modeling, wet well intake modeling, flow metering, pump efficiency testing, tachometer measurements, and motor amperage measurements) can be provided for additional fee.

GHD appreciates the opportunity to complete this important evaluation. If you have any questions, please contact me at 716.491.1269.

Regards,



**Casey W. Cowan, PE**  
Senior Project Manager

+1 716 362-8832  
casey.cowan@ghd.com

Copy to: Robert P. Lannon Jr., PE – GHD