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AGENDA

Meeting of the Niagara Falls Water Board

November 22, 2021 at 5:00 p.m.

5815 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. Letters and Communications

- i. Niagara Falls, New York City Council Resolution 2021-54, Relative to Support for the Niagara Falls Water Board “Infrastructure Initiative”**
- ii. Niagara Falls, Ontario City Council Resolution No. 12, Support for a Clean Water Infrastructure for the Niagara River**

- a. 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).**

8. Questions Regarding October 2021 Operations and Maintenance Report

9. Safety – John Accardo

10. General Counsel and Secretary – Sean Costello

11. Resolutions

2021-11-001 – GRANTING THE STATE OF NEW YORK AUTHORITY TO PERFORM AN ADJUSTMENT OF NIAGARA FALLS WATER BOARD FACILITIES AND AGREEMENT TO MAINTAIN FACILITIES ADJUSTED VIA THE STATE-LET CONTRACT, PIN 5815.41, C264698

- a. Department of Transportation Utility Work Agreement**

2021-11-002 – WATER TREATMENT PLANT BACKUP GENERATOR RADIATOR REPAIR

- a. Milton CAT Estimate No. SCQT117185**

2021-11-003 – AWARD WATER TREATMENT PLANT HVAC IMPROVEMENTS BID

- a. CPL Award Recommendation and Bid Tabulation**

2021-11-004 – OUTSIDE SEWER AND WATER MAINTENANCE GARAGE DOOR REPLACEMENT

- a. National Overhead Door Estimate Dated November 17, 2021**

2021-11-005 – COMBINED BID FOR 2022 WATER AND WASTEWATER TREATMENT PLANT CHEMICALS

- a. November 17, 2021 Award Memorandum**
- b. Bid Tabulation**

2021-11-006 – BID FOR SLUDGE DEWATERING POLYMER

- a. November 9, 2021 Award Memorandum**
- b. Bid Tabulation**

2021-11-007 – SEQR AND COMMITTING FUNDS FOR INTERMEDIATE PUMP PROJECT

2021-11-008 – NEW YORK STATE LOW INCOME HOUSEHOLD WATER ASSISTANCE PROGRAM VENDOR AGREEMENT

- a. LIHWAP Program Cover Letter**
- b. LIHWAP Vendor Agreement**

12. Additional Comments from Chairman Forster

13. Unfinished/Old Business

a. 18th Street Slip Line

- Walk-through completed from Whitney Ave. to Ontario Ave. with City Engineering – discussed at board meeting held on 5/24/21.
- City Engineering is hand-drawing certain utilities, design not complete as of July 19.
- 9/20/21 – T. Donner from CPL will prepare a proposal for CPL to do the engineering for the grant-funded work.
- 10/25/21 – CPL Proposal accepted by Resolution 2021-10-005.

b. Roof Study

- Study is complete. Dave Jaros from CPL will now be the point person – discussed at work session held on 7/12/21.
- 10/18/21 – Per D. Jaros, Tremco is stretch testing the WTP roof membrane to further evaluate its condition.

c. Beech Ave. Water Tower

- Jay Meyers explains some modeling work is needed along with finalizing ideas for an ideal location (possibly Buffalo Ave.)
- Beech Ave. is not an ideal location due to the need for a pump station.
- Cost to complete the study – approximately \$9,800 – discussed at board meeting held on 5/24/21.
- Per Jay Meyers, as of July 19, project is 95% complete, final details to be discussed with NFWB.
- 9/20/21 – Report delivered to NFWB (Copy is in 9/27 Meeting Packet, Minus Appendices).

d. Caulking Project WTP

- Exterior caulking complete.
- Bid for interior caulking awarded at July 2021 meeting; next step is to schedule the work.
- 9/20/21 – Contractor now has supplied bonds, J. Meyers will get work scheduled.
- 11/17/21 – Having trouble getting contractor to begin performance.

- e. **56th Street Water Tower**
 - CPL was tasked to explore ways to improve the functionality and eliminate the need for WTP operators to have to drain the water lower levels on a daily basis in order to recirculate the water; due to the lack of a recirculating pump and valve at the bottom of the tank - discussed at board meeting held on 5/24/21.
 - 9/20/21 – Report delivered to NFWB (Copy is in 9/27 Meeting Packet, Minus Appendices).

- f. **Lift Station Roofs**
 - As of September 14, 2021:
 - New pitched roof at 81st and Frontier has been installed using in-house labor and Carpenters from Union Hall.
 - Waiting on metal roofing material for 81st and Stephenson, should arrive by the end of September 2021.
 - J. Argona and M. Eagler are evaluating the possibility of performing the work required on the Cayuga Island lift station in house.
 - 9/21/21 – Per M. Eagler, two lift stations will be painted before weather changes.
 - 10/14/21 – One building painted, the other is underway.
 - 10/18/21 – J. Argona and M. Eagler will see what additional work can be done to improve the Cayuga lift station.

- g. **Chlorine System**
 - Adding a booster pump to the raw water chlorine feed would prevent loss of chlorine feed during a low-pressure scenario (i.e. Goodyear break).
 - Will also provide backup to chlorine dosage during backflow testing/repairs
 - CPL has done design, waiting for DOH approval of submittals, as discussed July 19.
 - 9/14/2021 – Still waiting for DOH approval.
 - 9/20/2021 – Same status, Dr. Zehraoui to contact DOH regarding delay.
 - 10/18/21 – DOH requested additional information; CPL produced and submitted requested engineering report.
 - 11/17/21 – DOH has issued comments, response to be provided by 11/26/2021.

h. Emergency Backup Generators

- In need of repair – multiple issues with transfer gear and controls.
- 1 unit has been determined to need radiator parts/replacements.
 - Radiator repair approx. \$40,000.
- Work continues with Zenith – determined TS-2 and TS-3 need cleaning and lubrication, which involves removing power and running a separate generator to make the necessary repair.
- Quotes have been received for auto switching main plant power feeds to lessen the risks involved with a generator failure (unknown).
- Joe Argona provided a proposal from Milton-Cat (dated 4/19/21) for the installation of the auto-transfer scheme and relay upgrade for the (2) main incoming feeders for the WTP – discussed at board meeting held on 6/28/21.
- Working to plan a plant shutdown to clean electrical contacts and other preventative maintenance work on electrical system.
- 9/20/2021 – J. Argona will get updated quote for Board approval of radiator replacement.
- 10/14/21 – J. Argona followed up with Milton CAT on 10/13, they still are working on updated quote. Plant shutdown scheduled for 10/20.
- 11/22/21 - Plant shutdown/switch maintenance completed without incident. Resolution for radiator repair is in agenda packet.

i. WTP Roofing

- Area over front main entrance vestibule is leaking – creating issues with drywall mold and cracking.
- Area over filter gallery with floating foam pieces – no leaks detected. Nearby roof drains have been cleaned to help with the issue - discussed at board meeting held on 5/24/21.
- A purchase order for \$8,750.00 has been submitted to Brad Farris from Tremco – work will be scheduled shortly – discussed at work session held on 7/19/21.
- 9/20/21 – Report from Tremco is included in work session packet.
- 9/20/21 – Report reviewed with Board by D. Jaros.

j. Interior Lighting

- As of 9/14/2021, plan is to do low-lift lighting in-house.
- Replacement fixtures installed in accessible areas of low lift were not as bright as desired, a new light was ordered to test out in the building – discussed July 19.
- 9/14/2021 – A replacement fixture has been installed and is being evaluated.
- 9/20/2021 – Per J. Argona, replacement fixture was satisfactory, more will be ordered, total cost estimated at \$5,000 to \$6,000 to do entire area.
- 10/14/21 – Additional replacement fixtures have been delivered. Installation will begin when lift is transferred from WWTP.
- 11/18/21 – Lift is in use replacing lights at WWTP.

k. HVAC Rooftop & Make Up Air

- Outdated units – need replacements – 4 out of the 5 units are inoperable.
- Still in need of additional units – the pandemic has brought this to the forefront, as makeup air is potentially regulated in certain environments as well as air filtration ratings.
- June 30, 2021 Quote for MUAUs totals \$263,222
- July 19 – D. Williamson and J. Meyers tasked with preparing bid specifications for this project.
- 9/20/2021 – Per J. Meyers, specifications are about 90% complete.
- 10/18/21 – Project is out to bid.
- 11/22/21 – Resolution for award is in Board packet.

l. PACL System Upgrades

- Need SCADA professionals to finish updating our program to match the 4 PACL pumps so that all 4 pumps can be utilized with SCADA control.
- 9/20/2021 – Three of four pumps are connected to SCADA, Dr. Zehraoui will meet with C. Hotchkiss regarding connecting fourth pump.
- 10/18/21 – Per Dr. Zehraoui, project is at 90% and should be complete October 20.

m. Bulk Chemical Storage Liners

- **PACL liners complete – contractor has concerns about Fluoride toxicity. Maintenance department to follow up.**
- **Joe Argona states he is waiting on the Canadian borders to re-open in order to receive servicing on the fluoride tank. Also, waiting on a response from the DOH regarding regulations for not dosing during the time of servicing – discussed at board meeting held on 6/28/21.**
- **9/14/2021 – Still waiting for border to reopen so work can proceed.**
- **10/14/21 – Still waiting for border reopening.**
- **11/18/22 – Still waiting on border reopening.**

q. Board Member Asklar will have oversight on remodeling of the WWTP employee break room, shower area and bathrooms - discussed at board meeting held on 5/24/21.

- **Board Member Asklar states he would like to meet with Dr. Zehraoui prior to their weekly finance meetings to further discuss – discussed at board meeting held on 6/28/21.**
- **Administration building bathrooms have been repainted; new vanities and mirrors will be installed; budget line for ordering these is needed as discussed at July 19 work session.**
- **10/14/21 – Vanities for administration bathrooms delivered today.**
- **11/22/21 – Vanities installed in admin. bathrooms, waiting for mirrors/finish work.**

n. WTP Freeze-Thaw Bed Cleanouts

- **Freeze Thaw beds were designed with a maximum plant flow of 20 MGD, which we are now exceeding. The resulting amounts of solids have become more expensive and more difficult to have removed, and we frequently have to switch beds sooner than planned in order to maintain our SPDES permitted water quality.**
- **9/20/21 – Contents of two beds have been moved to bed three, so two beds are available to WTP operations. Contents will be landfilled when dry.**
- **10/14/21 – Arrangements are being made for trucking/disposal.**
- **10/18/21 – Dr. Zehraoui advises we will start hauling to landfill next week.**
- **11/22/21 – Cleanout work is underway.**

o. Carbon Silo needs repair and painting before it becomes unstable and needs demolishing.

- **Polymer and Carbon capabilities could be reinstated to improve plant capability.**
- **Joe Argona to get budgetary quote for painting silo.**
- **9/14/2021 - NYS Industrial Coatings Quote - \$20,000; our painter can do it in house for \$5,000 to \$10,000 if we get a lift.**
- **10/14/21 - Plan is to schedule work in house for spring.**

- p. **Painting of Sedimentation plates and various areas throughout the interior and exterior of the plant. Filter walls are peeling.**
- 10/18/21 – Waiting on quote for coating.
 - 11/18/21 – Quote obtained. Waiting to schedule based on painter availability.
- q. **WTP Chemical Offload Area Coating Replacement.**
- Quotes obtained, NYS Industrial Coating price is \$29,750, Niagara Coatings \$29,250.
 - 9/14/2021 – Exploring doing in house, would need to have contractor do the necessary soda blasting to remove existing coating, then will work to schedule job in house Spring 2022 for approx. half cost of contractor.
 - 9/20/2021 – J. Argona estimates cost to complete work will be \$7,000, painter and WTP maintenance have removed much of the old coating.
 - 10/14/21 – Work will be scheduled using in-house forces in Spring 2022.
 - 11/22/21 – To improve durability of work, quote obtained for sandblasting prior to work being completed in spring (\$3,000).
- r. **Repairs to WTP Rear Perimeter Fence.**
- Quotes obtained, Fox Fence with barbed wire option is \$21,611.29, Davidson \$23,480.
 - 9/14/2021 – Can omit barbed wire to get under \$20,000, but will need to identify funds for this.
 - 9/20/2021 – D. Williamson directed to look into possible Homeland Security grant to help fund project.
 - 10/18/21 – Will be included in WIIA grant application.
- s. **Follow up on Auditors' Recommendations**
- 9/20/2021 – A plan to address these will be developed during weekly meetings between staff and Chair of Finance Asklar.
 - 10/18/21 – Underway.
- t. **WWTP Camera Installation**
- 9/20/21 – 3 cameras are installed, planned final total will be approx. 11.
 - 10/14/21 – Project is ongoing.
 - 10/18/21 – Chairman Forster questioned whether Dr. Zehraoui will be able to review cameras from his office.
 - 11/18/21 – 10 cameras have been installed to date.

u. Neptune Meter Project Report

- 9/20/2021 – Reports on status were in work session packet.
- 10/18/21 – Payback period study will be complete in a month; meeting scheduled for 10/19 to discuss plan for large meters; substantive update planned for November 2021.
- 11/22/2021 – Economic Analysis Report is in agenda packet.

v. Board Meeting Room Expansion Project

- 10/18/2021 – J. Argona reports in-house work is underway, project will require work by Ferguson and Mollenberg-Betz. Estimated completion is in 5-6 months.
- 11/22/21 – Quote for \$26,000 from Mollenberg to move piping; D. Williamson to develop bid specifications to attempt to secure more competitive pricing.

14. New Business & Additional Items for Discussion

15. Executive Session (if needed)

16. Adjournment of Meeting

I hereby certify that the following Resolution was adopted at a Meeting of the City Council held on November 10, 2021:

RESOLUTION No. 2021-54

RELATIVE TO SUPPORT FOR THE NIAGARA FALLS WATER BOARD "INFRASTRUCTURE INITIATIVE"

BY:

Council Chairman Kenny Tompkins
Council Member William Kennedy
Council Member Frank Soda
Council Member John Spanbauer
Council Member Christopher Voccio

WHEREAS, the Niagara Falls Water Board has undertaken an effort described as its "Infrastructure Initiative"; and

WHEREAS, the said Initiative includes a "Request for Federal Infrastructure Funding"; and

WHEREAS, the said request details the need for funding the conversion and modification of the Water Board's Waste Water Treatment Plant ("WWTP"), from a "physical-chemical process" using activated carbon filtration, to an up-to-date biological process; and

WHEREAS, the WWTP is the largest remaining physical-chemical treatment plant in the United States; and

WHEREAS, the WWTP is inefficient and obsolete, as evidenced by the incident in July 2017 where "black water" infiltrated into the lower Niagara River, threatening harm to the river and Great Lakes waterways; and

WHEREAS, that incident cast unwanted attention upon one of the world's great natural wonders, to wit: our falls of Niagara, on both sides of the international boarder; and

WHEREAS, the day-to-day operation of the said WWTP has become increasingly more costly, with the one recent example being an extraordinary increase in the cost of Sodium Hypochlorite from \$0.359 per gallon to \$1.18 per gallon, resulting in a yearly, and unsustainable, cost increase of \$6,059,000; and

WHEREAS, with the estimated cost of the conversion and modification exceeding the sum of \$200 million, it is obvious that without substantial support from New York State and the United States government, the project is not economically feasible; and


WHEREAS, on October 14, 2021, Mayor Robert Restaino indicted his support of the WWTP "Infrastructure Initiative" in a direct meeting with Senator Kirsten Gillibrand and urging federal assistance toward its implementation; and

WHEREAS, the City Council also recognizes the significance of the initiative described above and wishes to publicly express our support.

THEREFORE, BE IT RESOLVED, that the Niagara Falls City Council hereby formally expresses its support for the Niagara Falls Water Board's "Infrastructure Initiative" and urges the State of New York and the federal government to do all in their power to provide adequate funds for the conversion and modification of the Niagara Falls Water Board's Waste Water Treatment Plant, and

BE IT FURTHER RESOLVED, that the City Clerk provide copies of this resolution be to United States Senators Chuck Schumer and Kirsten Gillibrand, U.S. House of Representatives Member Brian Higgins, New York State Governor Kathy Hochul, State Senator Robert Ortt, State Assemblyman Angelo Morinello and to such other elected and appointed officials as the Niagara Falls Water Board may deem appropriate.

Witness my Hand and Seal this
12th day of November 2021


Kathleen M. Ligammari City Clerk



October 29, 2021

Senator Chuck Schumer
322 Hart Senate Office Building
Washington, D.C. 20510
USA

**Sent via email: c/o Jordan_nicholson@schumer.senate.gov;
senator@schumer.senate.gov**

Dear Senator Schumer:

**Resolution from City of Niagara Falls – Regarding Support for a Clean Water
Infrastructure for the Niagara River**

Please be advised that the City of Niagara Falls' City Council at its meeting of October 26, 2021 adopted the following motion:

ORDERED on the motion of Councillor Vince Kerrio, Seconded by Councillor Mike Strange that the Niagara Falls, Ontario City Council hereby formally expresses its support for the Support for a Clean Water Infrastructure for the Niagara River and urges the State of New York and the government of the United States to do all in their power to provide adequate funds for the conversion and modification of the Niagara Falls Water Board's Waste Water Treatment Plant.

Working Together to Serve Our Community

Clerks
Ext 4342 Fax 905-356-9083
billmatson@niagarafalls.ca

No.12

October 26, 2021

Moved by: Councillor Vince Kerrio

Seconded by: Councillor Mike Strange

RESOLUTION

Support for a Clean Water Infrastructure for the Niagara River

WHEREAS our neighboring city of Niagara Falls, New York, by the Niagara Falls Water Board therein, has undertaken an effort described as its "Infrastructure Initiative," and

WHEREAS the said Initiative includes a "Request for Federal Infrastructure Funding," and

WHEREAS the said request details the need for funding the conversion and modification of the Water Board's Waste Water Treatment Plant (WWTP), from a "physico-chemical process" using activated carbon filtration, to an up-to-date biological process, and

WHEREAS the WWTP is the largest remaining physico-chemical treatment plant in the United States, and

WHEREAS the WWTP is inefficient and obsolete as evidenced by the occurrence of July 2017 whereby "black water" infiltrated into the lower Niagara River, threatening harm to the river and Great Lakes waterways, and

WHEREAS the said incident cast unwanted attention upon one of the world's great natural wonders, to wit: our falls of Niagara, on both sides of the international boarder, and

WHEREAS the day-to-day operation of the said WWTP has become increasingly more costly, with the one recent example being an extraordinary increase in the cost of Sodium Hypochlorite (commonly referred to as bleach) from US \$0.359 per gallon to US \$1.18 per gallon, resulting in a yearly, and unsustainable, cost increase of US \$6,059,000, and

WHEREAS with the estimated cost of the conversion and modification exceeding the sum of US \$200 million, it is obvious that without substantial support from New York State and the United States government the project is not economically feasible, and

WHEREAS approximately 13,140 to 17,520 gallons (109,657 to 146,213 lbs) of Sodium Hypochlorite are dumped into the Niagara River yearly and with that this body recognizes the significance of the initiative described above and wishes to publicly express our support,

THEREFORE BE IT RESOLVED that the Niagara Falls, Ontario City Council hereby formally expresses its support for the Support for a Clean Water Infrastructure for the Niagara River and urges the State of New York and the government of the United States to do all in their power to provide adequate funds for the conversion and modification of the Niagara Falls Water Board's Waste Water Treatment Plant,

AND IT IS FURTHER RESOLVED copies of this resolution be forthwith provided to United States Senators Chuck Schumer and Kirsten Gillibrand, to U.S. House of Representatives Member Brian Higgins, and to such other elected and appointed officials as the Niagara Falls Water Board may deem appropriate.

AND The Seal of the Corporation be hereto affixed. Carried Unanimously

**WILLIAM G. MATSON
CITY CLERK**

**JAMES M. DIODATI
MAYOR**

Attached is the signed resolution that was passed at the City Council Meeting on October 26, 2021.

I trust that this information will be of assistance.

Sincerely,

Bill Matson

Bill Matson
City Clerk

cc.

Senator Kirsten Gillibrand, senator@gillibrand.senate.gov
Congressman Brian Higgins, c/o chris.fahey@mail.house.gov
Niagara Falls Water Board, contactnfwb@nfwb.org



MINUTES

Meeting of the Niagara Falls Water Board

October 25, 2021 at 5:00 p.m.

5815 Buffalo Avenue

Niagara Falls, NY 14304

*** As permitted by Chapter 417 of the Laws of 2021, this meeting could be attended by Board Members and members of the public either in-person or via conference call.***

1. Preliminary Matters

Chairman Forster called the meeting to order at 5:01 p.m.

a. Attendance:

Asklar (Board Member/Chairman of Finance/Member Exec. Staff Review Cmte.) *Present via Conference Call at 5:04 p.m.*

Forster (Chairman) *Present in Person*

Kimble (Board Member) *Present via Conference Call*

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

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

b. Comments from Chairman Forster

Chairman Forster toured the WWTP today (10/25/21) with Dr. Zehraoui, Sean Costello, Bob Dunn (Chief Operator of the WWTP), Dr. John Goeddertz (AECOM), Eric Smith (WWTP Planning Resource Coordinator) and Joseph Argona (Supervisor of Maintenance). Chairman Forster states since the beginning of their now quarterly WWTP tours, there has been great improvement. Such as, cleaner and safer working environments and improved communication between WWTP operations and WWTP maintenance.

Chairman Forster thanked the employees for their efforts and continued improvements.

Chairman Forster and Mr. Accardo addressed the current mask policy at the NFWB – requiring all employees to be fully masked in common areas of the plant, where social distancing is not possible.

Mr. Accardo states the NFWB currently has 33 possible unvaccinated employees and is inquiring if the Board will allow vaccinated employees the ability to be unmasked throughout the workday.

Board Member Kimble questions how the unvaccinated employees will be tracked on a day-to-day basis.

Mr. Accardo states all employees and visitors will continue to complete the daily health screen survey. All unvaccinated employees will be required to notify the Deputy Director of Administrative Services, in writing, at the beginning of each work week that they remain unvaccinated. Newly vaccinated employees must notify the Deputy Director of Administrative Services and provide proof that they have been vaccinated. Unvaccinated individuals found in violation will be subject to discipline.

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

Asklar __Y__ Forster __Y__ Kimble __Y__ Larkin __Y__ Leffler __Y__

Motion carries, 5-0

Letters and Communications

- i. Zafuto Thank You Note Dated October 8, 2021**
- ii. Talarico and Dash Thank You Note**
- iii. Letter from Buffalo Niagara Waterkeeper Supporting Infrastructure Funding Request Dated October 13, 2021**

- a. 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).**

Micah Hanford – 2462 Pierce Ave.

Mr. Hanford spoke to the Board regarding the current water bill adjustment policy. Mr. Hanford received his quarterly bill in June 2021 (for the months March-May 2021) that was for approximately \$2,000. He states he contacted the NFWB and the necessary staff went to his property to complete an evaluation – no significant findings and the NFWB staff issued a bill adjustment. In the meantime, Mr. Hanford's next water bill was accumulating, and he received his next water bill totaling approximately \$1,000 – second billing adjustment was denied. Mr. Hanford is inquiring if there is a way for the NFWB to receive an immediate notification to avoid this issue from happening in the future, and suggests revising the bill adjustment policy to account for leaks that span over multiple bill cycles.

Chairman Forster states the NFWB is looking into implementing monthly billing as opposed to the current quarterly billings, along with some improvements to our current meter reading system and how the water meters are read.

b. Approval of Minutes

i. Draft September 27, 2021 Meeting Minutes

Motion by Board Member Larkin and seconded by Board Member Asklar to approve the September 27, 2021 Meeting Minutes.

Asklar __Y__ Forster __Y__ Kimble __Y__ Larkin __Y__ Leffler __Y__

Motion carries, 5-0

2. Executive Director – Dr. Abderrahman Zehraoui

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

Dr. Zehraoui provided an update regarding the October 20, 2021 WTP switchgear maintenance. This was the first time this work had ever been performed at the WTP and was successful. During the maintenance, WTP operations were powered by generators but the WTP offices did not have electricity, lighting, or phones for a few hours. Dr. Zehraoui thanked the maintenance and operations staff for their knowledge and efforts in making the maintenance successful with minimal disruption.

There were changes to the WWTP project budget tracker, WWTP construction schedule tracker and/or the financial award summary to discuss.

3. Superintendent – William Wright

Mr. Wright had nothing new to provide at this time.

4. Engineering – Douglas Williamson

Chairman Forster expressed appreciation for Mr. Williamson's identification of the intermediate pumps as an important project that can be partially funded with grant monies.

5. Personnel Items – John Accardo

- a. **October 25, 2021 Personnel Actions Sheet**
- b. **Draft Chief of Outside Infrastructure Job Specification**

The Board chose to address personnel items after discussion of matters related to the hiring, firing, matters leading to the appointment, employment, promotion, demotion, discipline, suspension, dismissal or removal of a particular persons Executive Session.

6. Information Technology (IT) – Dr. Abderrahman Zehraoui

Dr. Zehraoui noted that the NFWB is looking at payroll technology firms, such as Paychex, to improve the efficiency of the payroll function and the quality and availability of data.

7. Finance – Brian Majchrowicz

- a. **Draft 2022 Budget**
 - i. **Draft Notice of Public Hearing**
- b. **Revenue Budget Performance Report through Sept. 30**
- c. **Sewer Fund Expense Budget Performance Report through Sept. 30**
- d. **Water Fund Expense Budget Performance Report through Sept. 30**
- e. **Board Fund Expense Budget Performance Report through Sept. 30**
- f. **Bank Balance Report – Bank on Buffalo and KeyBank**
- g. **Treasury Investment Bank Balance**
- h. **Wilmington Trust Bank Balances**
- i. **Capital Payments – September 2021**
- j. **September 2021 Budget Amendment Report**

Mr. Majchrowicz referred the Board to the items already included in the agenda packets (which included notice of a public hearing on the 2022 rates scheduled for November 8, 2021) and had nothing further to add.

8. Questions Regarding September 2021 Operations and Maintenance Report

9. Safety – John Accardo

10. General Counsel and Secretary – Sean Costello

11. Resolutions

2021-10-001 – EXTEND BID FOR GRANULATED ACTIVATED CARBON SUPPLY AND REMOVAL

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

Asklar __Y__ Forster __Y__ Kimble __Y__ Larkin __Y__ Leffler __Y__

Motion carries, 5-0

2021-10-002 – PROCUREMENT OF REPLACEMENT WATER METERS

- a. TiSales Meter Replacement Quote – October 7, 2021**

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

Asklar __Y__ Forster __Y__ Kimble __Y__ Larkin __Y__ Leffler __Y__

Motion carries, 5-0

2021-10-003 – WWTP MAIN SUBSTATION GROUNDING AND STONING REFURBISHMENT

- a. Ferguson Proposal PL22711 for Main Substation Grounding and Stoning, dated October 12, 2021**

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

Asklar __Y__ Forster __Y__ Kimble __Y__ Larkin __Y__ Leffler __Y__

Motion carries, 5-0

2021-10-004 – WWTP 480v BREAKER RETROFIT

- a. Ferguson Proposal PL22712 for Retrofit of Spare 480v Breakers, dated October 12, 2021**

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

Asklar __Y__ Forster __Y__ Kimble __Y__ Larkin __Y__ Leffler __Y__

Motion carries, 5-0

2021-10-005 – ACCEPTING CPL ENGINEERING SERVICES PROPOSAL FOR 18TH STREET WATER MAIN REPLACEMENT BETWEEN WHITNEY AVENUE AND ONTARIO AVENUE

- a. CPL Proposal for 18th Street Water Main Replacement Design dated September 24, 2021

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

Asklar __Y__ Forster __Y__ Kimble __Y__ Larkin __Y__ Leffler __Y__

Motion carries, 5-0

2021-10-006 – 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

This Resolution is for grant applications for Water improvements.

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

Asklar __Y__ Forster __Y__ Kimble __Y__ Larkin __Y__ Leffler __Y__

Motion carries, 5-0

2021-10-007 – 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

This Resolution is for grant applications for Sewer improvements.

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

Asklar __Y__ Forster __Y__ Kimble __Y__ Larkin __Y__ Leffler __Y__

Motion carries, 5-0

2021-10-008 – AUTHORIZING FUNDS FOR CPL TO EXTEND FEDERAL INFRASTRUCTURE ACT PROJECT

a. CPL Proposal Dated October 22, 2021

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

Asklar __Y__ Forster __Y__ Kimble __Y__ Larkin __Y__ Leffler __Y__

Motion carries, 5-0

RESOLUTION W-2021-10-009 – AUTHORIZING PROCUREMENT OF REMANUFACTURED MAIN PUMP VARIABLE FREQUENCY DRIVE

Motion by Board Member Larkin and seconded by Board Member Asklar to waive the agenda deadline policy in order to consider Resolution 2021-10-009.

Asklar __Y__ Forster __Y__ Kimble __Y__ Larkin __Y__ Leffler __Y__

Motion carries, 5-0

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

Asklar __Y__ Forster __Y__ Kimble __Y__ Larkin __Y__ Leffler __Y__

Motion carries, 5-0

12. Additional Comments from Chairman Forster

13. Unfinished/Old Business

a. 18th Street Slip Line

- Walk-through completed from Whitney Ave. to Ontario Ave. with City Engineering – discussed at board meeting held on 5/24/21.
- City Engineering is hand-drawing certain utilities, design not complete as of July 19.
- 9/20/21 – T. Donner from CPL will prepare a proposal for CPL to do the engineering for the grant-funded work.
- 10/25/21 – Proposal is under Resolution 2021-20-005.

b. Roof Study

- Study is complete. Dave Jaros from CPL will now be the point person – discussed at work session held on 7/12/21.
- 10/18/21 – Per D. Jaros, Tremco is stretch testing the WTP roof membrane to further evaluate its condition.

c. Beech Ave. Water Tower

- Jay Meyers explains some modeling work is needed along with finalizing ideas for an ideal location (possibly Buffalo Ave.)
- Beech Ave. is not an ideal location due to the need for a pump station.
- Cost to complete the study – approximately \$9,800 – discussed at board meeting held on 5/24/21.
- Per Jay Meyers, as of July 19, project is 95% complete, final details to be discussed with NFWB.
- 9/20/21 – Report delivered to NFWB (Copy is in 9/27 Meeting Packet, Minus Appendices).

d. Caulking Project WTP

- Exterior caulking complete.
- Bid for interior caulking awarded at July 2021 meeting; next step is to schedule the work.
- 9/20/21 – Contractor now has supplied bonds, J. Meyers will get work scheduled.

e. 56th Street Water Tower

- CPL was tasked to explore ways to improve the functionality and eliminate the need for WTP operators to have to drain the water lower levels on a daily basis in order to recirculate the water; due to the lack of a recirculating pump and valve at the bottom of the tank - discussed at board meeting held on 5/24/21.
- 9/20/21 – Report delivered to NFWB (Copy is in 9/27 Meeting Packet, Minus Appendices).

f. Lift Station Roofs

- As of September 14, 2021:
 - New pitched roof at 81st and Frontier has been installed using in-house labor and Carpenters from Union Hall.
 - Waiting on metal roofing material for 81st and Stephenson, should arrive by the end of September 2021.
 - J. Argona and M. Eagler are evaluating the possibility of performing the work required on the Cayuga Island lift station in house.
- 9/21/21 – Per M. Eagler, two lift stations will be painted before weather changes.
- 10/14/21 – One building painted, the other is underway.

- 10/18/21 – J. Argona and M. Eagler will see what additional work can be done to improve the Cayuga lift station.

g. Chlorine System

- Adding a booster pump to the raw water chlorine feed would prevent loss of chlorine feed during a low-pressure scenario (i.e. Goodyear break).
- Will also provide backup to chlorine dosage during backflow testing/repairs
- CPL has done design, waiting for DOH approval of submittals, as discussed July 19.
- 9/14/2021 – Still waiting for DOH approval.
- 9/20/2021 – Same status, Dr. Zehraoui to contact DOH regarding delay.
- 10/18/21 – DOH requested additional information; CPL produced and submitted requested engineering reports.

h. Emergency Backup Generators

- In need of repair – multiple issues with transfer gear and controls.
- 1 unit has been determined to need radiator parts/replacements.
 - Radiator repair approx. \$40,000.
- Work continues with Zenith – determined TS-2 and TS-3 need cleaning and lubrication, which involves removing power and running a separate generator to make the necessary repair.
- Quotes have been received for auto switching main plant power feeds to lessen the risks involved with a generator failure (unknown).
- Joe Argona provided a proposal from Milton-Cat (dated 4/19/21) for the installation of the auto-transfer scheme and relay upgrade for the (2) main incoming feeders for the WTP – discussed at board meeting held on 6/28/21.
- Working to plan a plant shutdown to clean electrical contacts and other preventative maintenance work on electrical system.
- 9/20/2021 – J. Argona will get updated quote for Board approval of radiator replacement.
- 10/14/21 – J. Argona followed up with Milton CAT on 10/13, they still are working on updated quote. Plant shutdown scheduled for 10/20.

i. WTP Roofing

- Area over front main entrance vestibule is leaking – creating issues with drywall mold and cracking.
- Area over filter gallery with floating foam pieces – no leaks detected. Nearby roof drains have been cleaned to help with the issue - discussed at board meeting held on 5/24/21.

- A purchase order for \$8,750.00 has been submitted to Brad Farris from Tremco – work will be scheduled shortly – discussed at work session held on 7/19/21.
- 9/20/21 – Report from Tremco is included in work session packet.
- 9/20/21 – Report reviewed with Board by D. Jaros.

j. Interior Lighting

- As of 9/14/2021, plan is to do low-lift lighting in-house.
- Replacement fixtures installed in accessible areas of low lift were not as bright as desired, a new light was ordered to test out in the building – discussed July 19.
- 9/14/2021 – A replacement fixture has been installed and is being evaluated.
- 9/20/2021 – Per J. Argona, replacement fixture was satisfactory, more will be ordered, total cost estimated at \$5,000 to \$6,000 to do entire area.
- 10/14/21 – Additional replacement fixtures have been delivered. Installation will begin when lift is transferred from WWTP.

k. HVAC Rooftop & Make Up Air

- Outdated units – need replacements – 4 out of the 5 units are inoperable.
- Still in need of additional units – the pandemic has brought this to the forefront, as makeup air is potentially regulated in certain environments as well as air filtration ratings.
- June 30, 2021 Quote for MUAUs totals \$263,222
- July 19 – D. Williamson and J. Meyers tasked with preparing bid specifications for this project.
- 9/20/2021 – Per J. Meyers, specifications are about 90% complete.
- 10/18/21 – Project is out to bid.

l. PACL System Upgrades

- Need SCADA professionals to finish updating our program to match the 4 PACL pumps so that all 4 pumps can be utilized with SCADA control.
- 9/20/2021 – Three of four pumps are connected to SCADA, Dr. Zehraoui will meet with C. Hotchkiss regarding connecting fourth pump.
- 10/18/21 – Per Dr. Zehraoui, project is at 90% and should be complete October 20.

m. Bulk Chemical Storage Liners

- PACL liners complete – contractor has concerns about Fluoride toxicity. Maintenance department to follow up.
- - discussed at board meeting held on 5/24/21.
- Joe Argona states he is waiting on the Canadian borders to re-open in order to receive servicing on the fluoride tank. Also, waiting on a response from the DOH regarding regulations for not dosing during the time of servicing – discussed at board meeting held on 6/28/21.
- 9/14/2021 – Still waiting for border to reopen so work can proceed.
- 10/14/20 – Still waiting for border reopening.

q. Board Member Asklar will have oversight on remodeling of the WWTP employee break room, shower area and bathrooms - discussed at board meeting held on 5/24/21.

- Board Member Asklar states he would like to meet with Dr. Zehraoui prior to their weekly finance meetings to further discuss – discussed at board meeting held on 6/28/21.
- Administration building bathrooms have been repainted; new vanities and mirrors will be installed; budget line for ordering these is needed as discussed at July 19 work session.
- 10/14/21 – Vanities for administration bathrooms delivered today.

n. WTP Freeze-Thaw Bed Cleanouts

- Freeze Thaw beds were designed with a maximum plant flow of 20 MGD, which we are now exceeding. The resulting amounts of solids have become more expensive and more difficult to have removed, and we frequently have to switch beds sooner than planned in order to maintain our SPDES permitted water quality.
- 9/20/21 – Contents of two beds have been moved to bed three, so two beds are available to WTP operations. Contents will be landfilled when dry.
- 10/14/21 – Arrangements are being made for trucking/disposal.
- 10/18/21 – Dr. Zehroai advises we will start hauling to landfill next week.

o. Carbon Silo needs repair and painting before it becomes unstable and needs demolishing.

- Polymer and Carbon capabilities could be reinstated to improve plant capability.
- Joe Argona to get budgetary quote for painting silo.
- 9/14/2021 - NYS Industrial Coatings Quote - \$20,000; our painter can do it in house for \$5,000 to \$10,000 if we get a lift.
- 10/14/21 - Plan is to schedule work in house for spring.

- p. **Painting of Sedimentation plates and various areas throughout the interior and exterior of the plant. Filter walls are peeling.**
- **10/18/21 – Waiting on quote for coating.**
- q. **WTP Chemical Offload Area Coating Replacement.**
- **Quotes obtained, NYS Industrial Coating price is \$29,750, Niagara Coatings \$29,250.**
 - **9/14/2021 – Exploring doing in house, would need to have contractor do the necessary soda blasting to remove existing coating, then will work to schedule job in house Spring 2022 for approx. half cost of contractor.**
 - **9/20/2021 – J. Argona estimates cost to complete work will be \$7,000, painter and WTP maintenance have removed much of the old coating.**
 - **10/14/21 – Work will be scheduled using in-house forces in Spring 2022.**
- r. **Repairs to WTP Rear Perimeter Fence.**
- **Quotes obtained, Fox Fence with barbed wire option is \$21,611.29, Davidson \$23,480.**
 - **9/14/2021 – Can omit barbed wire to get under \$20,000, but will need to identify funds for this.**
 - **9/20/2021 – D. Williamson directed to look into possible Homeland Security grant to help fund project.**
 - **10/18/21 – Will be included in WIIA grant application.**
- s. **Follow up on Auditors' Recommendations**
- **9/20/2021 – A plan to address these will be developed during weekly meetings between staff and Chair of Finance Asklar.**
 - **10/18/21 – Underway.**
- t. **WWTP Camera Installation**
- **9/20/2021 – 3 cameras are installed, final total will be 11.**
 - **10/14/21 – Project is ongoing.**
 - **10/18/2021 – Chairman Forster questioned whether Dr. Zehraoui will be able to review cameras from his office.**
- u. **Neptune Meter Project Report**
- **9/20/2021 – Reports on status were in work session packet.**
 - **10/18/21 – Payback period study will be complete in a month; meeting scheduled for 10/19 to discuss plan for large meters; substantive update planned for November 2021.**

- v. **Board Meeting / Conference and Training Room Expansion Project**
- **10/18/2021 – J. Argona reports in-house work is underway, project will require work by Ferguson and Mollenberg-Betz. Estimated completion is in 5-6 months.**

14. New Business & Additional Items for Discussion

15. Executive Session (Anticipated for the purpose of considering matters leading to the appointment, employment, promotion, demotion, discipline, suspension, dismissal or removal of a particular persons (Public Officers Law § 105(f)).)

Motion by Board Member Larkin and seconded by Board Member Kimble to enter executive session at 5:46 p.m.

Asklar __Y__ Forster __Y__ Kimble __Y__ Larkin __Y__ Leffler __Y__

Motion carries, 5-0

Motion by Board Member Leffler and seconded by Board Member Asklar to exit the executive session and re-enter the open meeting at 6:15 p.m.

Asklar __Y__ Forster __Y__ Kimble __Y__ Larkin __Y__ Leffler __Y__

Motion carries, 5-0

Motion by Board Member Larkin and seconded by Board Member Leffler to approve sections B1 and B2 of the personnel actions sheet.

Asklar __Y__ Forster __Y__ Kimble __Y__ Larkin __Y__ Leffler __Y__

Motion carries, 5-0

Motion by Board Member Larkin and seconded by Board Member Leffler Motion to direct General Counsel to provide appropriate written notice to Doug Williamson and Brian Majchrowicz that the Niagara Falls Water Board will not renew their employment contracts for an additional term when the current term ends but that they may remain at-will employees of the Niagara Falls Water Board with the same salary, health insurance, paid leave, retirement, and other benefits that were provided by their employment agreements immediately prior to their expiration.

Asklar __Y__ Forster __Y__ Kimble __Y__ Larkin __Y__ Leffler __Y__

Motion carries, 5-0

16. Adjournment of Meeting

Prior to adjournment of the meeting, Chairman Forster noted that the public hearing on the 2022 rates, to followed immediately by a meeting where he hopes the Board will be prepared to adopt the budget, will take place on November 8, 2021 at 5:00 p.m. The meeting will be in “hybrid” format so the Public and Board members may attend either via conference call or in person.

Motion by Board Member Larkin and seconded by Board Member Leffler to adjourn the meeting at 6:21 p.m.

Asklar __Y__ Forster __Y__ Kimble __Y__ Larkin __Y__ Leffler __Y__

Motion carries, 5-0



MINUTES

Public Hearing on 2021 Rates, Fees, and Other Charges and Budget Meeting

Niagara Falls Water Board

November 8, 2021 at 5:00 PM

*** As permitted by Chapter 417 of the Laws of 2021, Board Members and members of the public could participate in this meeting either in-person or via conference call.***

1. Attendance and Preliminary Matters

Chairman Forster calls the public hearing regarding the Niagara Falls Water Board's proposed 2022 rates, fees and other charges to order at 5:01 p.m.

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

Forster (Chairman) *Present in Person*

Kimble (Board Member) *Present via Conference Call*

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

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

2. Public Hearing

a. Introduction by Chairperson

Chairman Forster opened the public hearing, explaining that it is being audio recorded. This hearing is being conducted in a hybrid format, both in person and via teleconference pursuant to Chapter 417 of the Laws of 2021. Chairman Forster notes that the Water Board has never conducted a public hearing in a hybrid format and asks all involved to please be patient. The public hearing notice required registration to speak. General Counsel has been working to identify call and in-person participants who wish to speak.

Chairman Forster states that the purpose of this hearing is to allow public comment and input on the Water Board's proposed 2022 rates, fees and other charges.

Speakers will be called in the order they registered to speak. Each speaker will be allotted three minutes.

The Water Board and staff will not answer questions or comments during the hearing itself but will discuss the budget and comments during the budget meeting which will immediately follow the hearing.

- b. Public Comments/Oral and Written, if Any** (Registration required. Speakers must register by 5:00 p.m. on November 8, 2021. Those who wish to speak at the hearing should contact the Board's Secretary by email: scostello@nfwb.org, telephone: (716) 283-9770 x 2110, or by mail to register no later than 12:00 p.m. on November 8, 2021. Additional registrations to speak will be accepted in person and on the teleconference line between 4:50 p.m. and 5:00 p.m. on November 8, 2021. Oral comments will be limited to three minutes duration. Written comments may be directed to the above email or mailing address.)

General Counsel noted that no one signed up or submitted comments prior to the meeting, and no member of the public present on the conference call or in person came forward. No public comments were received.

3. Motion to Close Public Hearing and Open Budget Meeting

Motion by Board Member Asklar and seconded by Board Member Larkin to close the public hearing and open the budget meeting at 5:04 p.m.

Asklar Y Forster Y Kimble Y Larkin Y Leffler Y

Motion carries, 5-0

The Chairman asked all Board members if they were opposed to holding one meeting in the month of November, eliminating the November 15, 2021 work session. There was no objection. The Board meeting will be held on November 22, 2021.

4. Presentation by Rate Consultants Drescher & Malecki Regarding Rate Covenant Analysis

Dresher & Malecki provided the Board members and staff with their financial projections and analysis of user rates.

Matthew Montalbo was present in person with Charles Trottier present via GoToMeeting.

Mr. Montalbo states the purpose of their analysis was to provide independent cash flow estimates, enough to meet the debt-service coverage ratio (1.15). Assumptions were based on historical trends and audited financial data from the prior years.

Based on year-to-date figures, 15% increase in contractual costs projected in 2021. An additional \$5.75 million in 2022 related to hypochlorite solutions (\$5 million) and sludge disposal (\$750k) in accordance with bids. 3.3% increase in costs is projected beyond 2022 based on a 10-year average.

Additional key findings – Customer changes – Cascades billing resulting in a one-time \$1.5 million increase in most recent third quarter. Occidental closure causes an \$800k impact over 3 years. Debt Service – A refunding proposal provides upfront savings of \$3.7 million between 2022-2025, but moving forward the short-term financing for current projects will result in a significant increase in annual debt service. Rate Increase – based on the results of the financial projection model, the Board should achieve a 1.20 debt ratio with a 17.5% rate increase in 2022.

5. Resolutions

2021-11-001 – ADOPTING 2022 BUDGET

a. Proposed 2022 Operations and Maintenance Budget

Chairman Forster thanked staff for their hard work on this budget. A 116% increase in chemicals, a 46% increase in sludge disposal, and a 37% increase in insurance. Not possible to have a balanced budget without a rate increase with this type of increase in contractual costs. The Water Board has done the best it could when faced with the increased cost of doing business but obviously this kind of rate increase cannot continue.

Motion by Board Member Larkin and seconded by Board Member Leffler to approve

Asklar Y Forster Y Kimble N Larkin Y Leffler Y

Motion carries, 4-1

2021-11-002 -- ESTABLISHING RATES, FEES, AND OTHER CHARGES EFFECTIVE JANUARY 1, 2022

a. Amendments to 21 NYCRR § 1950.20, Schedule of Rates, Fees, and Charges

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

Asklar Y Forster Y Kimble N Larkin Y Leffler Y

Motion carries, 4-1

6. Adjournment

Motion by Board Member Larkin and seconded by Board Member Asklar to adjourn at 5:17 p.m.

Asklar __Y__ Forster __Y__ Kimble __Y__ Larkin __Y__ Leffler __Y__

Motion carries, 5-0

DRAFT



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

Last Updated: 11/10/2021

Key	
Proposal currently under review, but not approved	
Preliminary Construction Cost per Engineers Estimate	

Project	Scope of Work	Original Budget	Scope/Vendor	Estimated Task	% Billed	Recent Work Update
1	Sedimentation Basin Upgrades	\$10,390,000	Design and Bidding (AECOM - Approved)	\$409,000	98%	Construction continues on Basin 5.
			CA (CPL - Approved)	\$97,500	15%	
			CI (CPL & Subcontractor - Approved)	\$357,500	9%	
			GEN Construction (Hohl - Per Bid - Approved)	\$7,422,010	2%	
			ELEC Construction (CIR - Per Bid - Approved)	\$894,100	17%	
			Project Total	\$9,180,110	8%	
			Remaining Budget	\$1,209,890		
2	GPS	\$4,100,000	Design, Bidding, and CA/CI (GHD - Approved)	\$198,230	100%	Construction continues at GPS. Currently reviewing change order request from CIR. Schedule extension has been approved.
			CA (GHD - Approved)	\$158,430	68%	
			CA (GHD Subcontractor - Approved)	\$156,800	47%	
			GEN Construction (STC - Per Bid - Approved)	\$2,653,000	31%	
			ELEC Construction (CIR - Per Bid - Approved)	\$418,300	21%	
			HVAC Construction (Danforth - Per Bid - Approved)	\$864,400	68%	
			Project Total	\$4,449,160	42%	
Remaining Budget	(\$349,160)					
3	Screens and Grit Transportation Equipment Improvements	\$1,920,000	Design and Bidding (Arcadis - Approved)	\$166,786	100%	Construction continues on polymer equipment improvements. Experiencing equipment delivery delays.
			CA (Arcadis - Approved)	\$88,529	88%	
			CI (Arcadis Subconsultant - Approved)	\$59,000	27%	
			GEN Construction (Hohl - Per Bid - Approved)	\$1,527,000	10%	
			ELEC Construction (CIR - Per Bid - Approved)	\$140,800	22%	
			Project Total	\$1,982,115	22%	
			Remaining Budget	(\$62,115)		
4	Granular Activated Carbon and Filter Support Gravel Replacement	\$2,000,000	Design, Bidding, and CA/CI (AECOM - Approved)	\$90,793	100%	Construction Complete.
			GEN Construction (Carbon Activated - Per Bid - Approved)	\$1,626,875	90%	
			Final Project Total	\$1,717,668		
			Final Remaining Budget	\$282,332	14%	

5	Electrical System Improvements	\$2,610,000	Design/E.I. Team - Approved	\$102,120	100%	Bid opening held, with no received bids. Presenting proposed plan which includes breaking apart scope and bidding in smaller parts.
			Phase 2 Design - Approved	\$198,941	93%	
			CA/CI/TBD - Approved	\$65,374	0%	
			Const. - Per original project Budget (EI Team Estimates \$6M)	\$1,890,938	0%	
			Task 1 Construction - Ferguson - Approved	\$352,627	51%	
			Project Total	\$2,610,000	18%	
			Remaining Budget	\$0		
6	Effluent Disinfection	\$3,650,000	Design, Bid, and CI (AECOM - Approved)	\$190,233	100%	Construction Complete.
			GEN Construction (M&B - Per Bid - Approved)	\$1,366,000	95%	
			ELEC Construction (Ferguson - Per Bid - Approved)	\$108,000	98%	
			ELEC Construction (Ferguson - Approved Proposal - Network Improvements)	\$400,000	85%	
			CA/In-House - CPL (Included in current CPL term contract)	~ 5% or \$185,000 if by capital project engineer		
			Project Total	\$2,064,233	94%	
			Remaining Budget	\$1,585,767		
7	Replacement of Critical Heating and Ventilation Equipment	\$1,160,000	Design, Bidding, and CA/CI (E.I. Team - Approved)	\$111,800	100%	Project in construction. Experiencing equipment delivery delays.
			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 term contract)	N/A	N/A	Construction Complete.
			Const./Various Contractors - Per IDIQ Contract	\$90,118	100%	
			CA/CI/In-House - CPL (Included in current CPL term contract)	N/A	N/A	
			Final Total	\$90,118	100%	
			Final Remaining Budget	\$209,882		
9	Replacement of Process Piping	\$640,000	Piping Assessment Report (Ramboll - Approved)	\$59,770	100%	Project #9 proceeding into construction phase. Experiencing equipment delivery delays.
			Design, Bidding, and CA/CI (JMD - Approved)	\$114,560	55%	
			Construction - (MLP - Per Bid - Approved)	\$428,300	0%	
			Running Total	\$602,630	20%	
			Remaining Budget	(\$37,370)		
10	SCADA Improvements	\$455,000	Phase 1 Design/ Construction/Kaman - Approved	\$352,450	61%	Kaman continues SCADA upgrade work and coordination with Capital Project Engineers.
			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)	\$24,294,367	Remaining Phase 1 Budget	\$2,705,633

Key	
Proposal currently under review, but not approved	
Preliminary Construction Cost per Engineers Estimate	

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

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%	Project #11 proceeding into construction phase. Experiencing equipment delivery delays.
			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%	
			Const. (Danforth - Per Bid - Approved)	\$457,800	0%	
			Running Total	\$510,765	6%	
			Remaining Budget	\$464,235		
Ph. 2 Budget = \$13,000,000			Phase 2 Running Total	\$1,295,055		
*Updated to reflect full available Phase 2 Budget, grant not yet approved			Phase 2 Remaining Budget	\$11,704,945		



NFWB Financial Award Summary

Last Updated: 11/8/21

Note: Changes from last summary are in red text

Description	Amount	Source	Status
AWARDED			
Bollier Avenue Watermain Improvements 2017	\$400,000 total \$240,000 grant	NYS EFC DWSRF 18435	Funding Agreement Signed. Construction completed October 2020. NFWB with assistance from City to submit for reimbursement with EFC.
Various Watermain Improvements 2018	\$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. NFWB awaiting invoicing paperwork from City before grant pay request can be made to EFC.
GRANT Portion			
Various Watermain Improvements 2018	\$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. CPL assisting with loan reimbursement only. NFWB awaiting invoicing from City before loan request can be made to EFC.
LOAN Portion			
Sewer Plant Phase 1 Improvements	\$13,500,000 grant	NYS DASNY ID #15688	Awarded. Six reimbursements received that total \$3.5 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. EFC reviewing construction documents so future request can be made.
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.
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.

NFWB Financial Award Summary

Last Updated: 11/8/21

Note: Changes from last summary are in red text



Description	Amount	Source	Status
FUTURE			
2021 Various Watermain & System Improvements	\$5,300,000 total \$3,000,000 grant \$2,300,000 loan	NYS EFC	Submission paperwork prepared. Waiting on State to announce grant sessions. Financial assistance submission to IUP made in Sept 2020. NFWB reviewing possibility of performing Military Road work in house. Board approved resolution 10/25/21. CPL working with staff to submit application by 11/22/21.
2021 Various Sewer & System Improvements	\$5,300,000 total \$1,250,000 grant \$3,750,000 loan	NYS EFC	Board approved resolution 10/25/21. CPL working with staff to submit application by 11/22/21.
LaSalle Sewer Area Phase 2 system report update & flow monitoring	\$250,000 total \$100,000 grant \$150,000 NFWB Match	NYSDEC Engineering Planning Grant	CPL submitted application 2/10/21. EFC sent denial letter May 2021. Conf call with EFC 6/3/21, application can be submitted again. Application submitted 7/30/21. Anticipate late 2021 award announcement.
LaSalle Sewer Area Phase 2 Construction	\$1,000,000 total \$800,000 grant \$200,000 NFWB match	NYSDEC WQIP	Waiting on State to announce grant sessions. Financial assistance submission to IUP made in Sept 2020. EFC sent letter dated 3/4/21 stating construction work is eligible for hardship financing (0% loan). Eligibility in effect through 9/30/22. Application submitted 7/30/21. Anticipate late 2021 award announcement.
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. City hiring Grant firm. 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 held and additional in near future.
Large Funding Request Lead Removal	\$70,000,000	NYS & Federal	Effort underway with officials for request. Several meetings with officials held and additional in near future.



MEMORANDUM

To: All Individuals Concerned With Water Main Taps
 From: Abderrahman Zehraoui, Ph.D, Executive Director
 Regarding: Water Main Tap Charges
 Date: October 29, 2021

Per 21 NYCRR 1950.11, the charge for water taps is to be at the real cost to the Water Board. After reviewing the costs involved, effective immediately the charges for water taps shall be as follows:

Main Size	Tap Size and Cost		
6 Inch Main	1 Inch	1.5 Inch	2 Inch
	\$714.94	\$1,342.30	\$1,654.28
8 Inch Main	1 inch	1.5 Inch	2 Inch
	\$748.74	\$1,376.09	\$1,673.08
10 Inch Main	1 Inch	1.5 Inch	2 Inch
	\$814.40	\$1,503.83	\$1,732.88
12 Inch Main	1 inch	1.5 Inch	2 Inch
	\$878.49	\$1,483.06	\$1,817.82

Contact the Water Board at (716) 283-9770 for the cost to tap larger mains.

Please be further advised:

- Taps are approved at the Water Board’s discretion, and the applicable fee must be paid before work is scheduled.
- All taps within City limits must be a minimum of 1 inch.
- Two days’ notice is required to schedule a tap.
- The excavation must be complete and the main cleaned at the time scheduled for the tap. Plumber/contractor must provide shoring as required by OSHA/PESH regulations.
- Additional charges may be assessed for waiting time if excavations are not ready.

**Niagara Falls Water Board
Personnel Actions and Report
Monday, November 22, 2021**

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

A. PERSONNEL ACTIONS RECOMMEND TO HIRE

Line Item Number	Position	Department/Location	Pay Rate or Grade	ADDITIONAL INFORMATION

B. RECOMMENDED PROMOTION / MOVE / APPOINTMENT

Line Item Number	Name and Position	Type of labor move	Change in pay rate or grade	ADDITIONAL INFORMATION

C. PREVIOUSLY TABLED PERSONNEL ACTIONS (From 2021)

Line Item Number	Action and Position	Department/Location	Pay Rate or Grade	ADDITIONAL INFORMATION
1	Lab Tech (2) -WWTP	Sr. Lab Techs (2) -WWP	Increase \$6,200.00	Qualifications and longevity met.

D. OTHER PERSONNEL ACTIVITY FOR BOARD NOTIFICATION

Name	Position	Department/Location	Pay Rate	ADDITIONAL INFORMATION
Mike Macri	X-Conn Inspector	Enforcement	Add'l \$34.56 per day	Acting Pay for employee on Workers Comp. Per CBA Agreement, Acting Pay begins after 7 days in the position
Todd Stopa	Crew Leader Splst	WWTP - Ins Maint	Add'l \$17.63 per day	Acting Pay for employee on vacation 11/23-12/31. Per CBA Agreement, Acting Pay begins after 7 days in the position

E. PERSONNEL ON LONG TERM LEAVE OF ABSENCE

Name	Last Day Worked	Dept.	Return Status	Comments
Syverson, Jean	9/22/2021	WWTP Admin	Returned	Return to work 11/4/2021
Burns, Randy	11/15/2021	Enforcement	Unknown	Workers Comp. (estimated 6-8 weeks)



Niagara Falls Water Board

5815 Buffalo Ave
Niagara Falls, NY 14304

To: All Employees & Unit Chairs

Subject: **2022 Holidays**

Below is a list of the contractual holidays for the year 2022 with the date the holiday will be observed:

New Year's Day*	Monday	January 3, 2022
Martin Luther King Jr. Day*	Monday	January 17, 2022
Lincoln's Birthday	Monday	February 14, 2022
Washington's Birthday	Monday	February 21, 2022
Memorial Day*	Monday	May 30, 2022
Independence Day*	Monday	July 4, 2022
Labor Day*	Monday	September 5, 2022
Columbus Day	Monday	October 10, 2022
Veterans Day*	Friday	November 11, 2022
Thanksgiving Day*	Thursday	November 24, 2022
Christmas Day*(observed)	Monday	December 26, 2022
Birthday where applicable*		

*Paid Holiday for employees hired after 12/31/07.



Revenue Budget Performance Report

Fiscal Year to Date 10/31/21

Exclude Rollup Account

Account	Account Description	Adopted Budget	Budget Amendments	Amended Budget	Current Month Transactions	YTD Encumbrances	YTD Transactions	Budget - YTD Transactions	% Used/ Rec'd	Prior Year YTD
Fund FA - Water Board - Water										
REVENUE										
<i>Departmental Income</i>										
2122.001	Visual Inspections	42,350.00	.00	42,350.00	4,802.50	.00	50,947.50	(8,597.50)	120	38,642.50
2140.001	District 1	1,671,340.00	.00	1,671,340.00	432,863.74	.00	1,110,180.65	561,159.35	66	1,055,822.08
2140.002	District 2	1,967,868.00	.00	1,967,868.00	766.88	.00	962,396.32	1,005,471.68	49	948,775.98
2140.003	District 3	1,485,143.00	.00	1,485,143.00	963.85	.00	902,020.19	583,122.81	61	844,067.02
2140.004	Non-Resident	23,920.00	.00	23,920.00	6,807.46	.00	35,674.03	(11,754.03)	149	25,292.35
2140.005	Industrial	2,574,781.00	.00	2,574,781.00	634,549.80	.00	1,695,674.00	879,107.00	66	1,532,073.37
2140.006	Industrial SIU	2,074,065.00	.00	2,074,065.00	700,569.06	.00	2,151,100.53	(77,035.53)	104	1,713,505.04
2140.008	Hydrant Usage	5,412.00	.00	5,412.00	211.17	.00	5,764.28	(352.28)	107	3,939.16
2140.599	Miscellaneous Departmental Incom	15,000.00	.00	15,000.00	250.00	.00	612.39	14,387.61	4	4,250.00
2141.000	Allowance for Unpaid Trfd	(150,000.00)	.00	(150,000.00)	.00	.00	46,839.66	(196,839.66)	-31	53,921.38
2144.003	Fire Service	94,000.00	.00	94,000.00	303,963.00	.00	303,963.00	(209,963.00)	323	303,894.60
2144.005	Service Charge	480,822.00	.00	480,822.00	55,173.10	.00	393,674.25	87,147.75	82	394,676.96
2144.006	Lab Analysis	39,220.00	.00	39,220.00	880.50	.00	25,557.50	13,662.50	65	33,876.28
2144.008	Missing Meter Charge	40,350.00	.00	40,350.00	680.00	.00	20,701.50	19,648.50	51	16,134.00
2144.009	Mtr Install/Reinstall/Reactivate	15,220.00	.00	15,220.00	300.00	.00	3,700.00	11,520.00	24	7,625.00
2144.010	Final Meter Read/Inspect	10,500.00	.00	10,500.00	1,625.00	.00	16,425.00	(5,925.00)	156	13,150.00
2144.011	Hydrant Testing	300.00	.00	300.00	.00	.00	.00	300.00	0	200.00
2144.012	Backflow Certification	6,830.00	.00	6,830.00	1,435.00	.00	8,490.00	(1,660.00)	124	2,873.48
2144.599	City of NF-Safety Specialist	.00	.00	.00	.00	.00	.00	.00	+++	32,955.71
2148.001	District 1	70,000.00	.00	70,000.00	24,815.67	.00	66,799.06	3,200.94	95	67,316.42
2148.002	District 2	45,092.00	.00	45,092.00	(2.97)	.00	30,020.42	15,071.58	67	28,849.68
2148.003	District 3	48,880.00	.00	48,880.00	(11.96)	.00	62,622.30	(13,742.30)	128	44,436.41
2148.004	Non-Resident	5,000.00	.00	5,000.00	.00	.00	489.17	4,510.83	10	623.09
2148.005	Industrial	16,200.00	.00	16,200.00	5,512.25	.00	14,226.42	1,973.58	88	24,152.38
2148.006	Industrial SIU	6,000.00	.00	6,000.00	.00	.00	8,369.30	(2,369.30)	139	4,138.05
2148.599	Penalty - Miscellaneous	3,504.00	.00	3,504.00	3,472.49	.00	3,450.79	53.21	98	3,250.72
<i>Departmental Income Totals</i>		\$10,591,797.00	\$0.00	\$10,591,797.00	\$2,179,626.54	\$0.00	\$7,919,698.26	\$2,672,098.74	75%	\$7,198,441.66
<i>Intergovernmental Charges</i>										
2230.A	City of Niag Falls-Generl	225,817.00	.00	225,817.00	.00	.00	.00	225,817.00	0	33,096.98
<i>Intergovernmental Charges Totals</i>		\$225,817.00	\$0.00	\$225,817.00	\$0.00	\$0.00	\$0.00	\$225,817.00	0%	\$33,096.98
<i>Use Of Money & Property</i>										
2401.000	Interest Earnings	90,000.00	.00	90,000.00	(388.31)	.00	1,620.93	88,379.07	2	44,734.94
<i>Use Of Money & Property Totals</i>		\$90,000.00	\$0.00	\$90,000.00	(\$388.31)	\$0.00	\$1,620.93	\$88,379.07	2%	\$44,734.94
<i>Licenses And Permits</i>										
2550.006	Cellular Towers	230,000.00	.00	230,000.00	18,465.61	.00	187,564.41	42,435.59	82	183,980.97
2590.004	Hydrant Permits & Rentals	16,800.00	.00	16,800.00	105.78	.00	9,660.92	7,139.08	58	4,655.93
<i>Licenses And Permits Totals</i>		\$246,800.00	\$0.00	\$246,800.00	\$18,571.39	\$0.00	\$197,225.33	\$49,574.67	80%	\$188,636.90



Revenue Budget Performance Report

Fiscal Year to Date 10/31/21

Exclude Rollup Account

Account	Account Description	Adopted Budget	Budget Amendments	Amended Budget	Current Month Transactions	YTD Encumbrances	YTD Transactions	Budget - YTD Transactions	% Used/ Rec'd	Prior Year YTD
Fund FA - Water Board - Water										
REVENUE										
<i>Sale Of Prop/Cmp For Loss</i>										
2650.000	Sale Of Scrap	8,000.00	.00	8,000.00	2,457.43	.00	8,962.34	(962.34)	112	1,261.62
2665.000	Sale-Equipment	2,855.00	.00	2,855.00	.00	.00	.00	2,855.00	0	280.00
<i>Sale Of Prop/Cmp For Loss Totals</i>		\$10,855.00	\$0.00	\$10,855.00	\$2,457.43	\$0.00	\$8,962.34	\$1,892.66	83%	\$1,541.62
<i>Misc Local Sources</i>										
2701.000	Refund Appro Exp Prior Yr	.00	.00	.00	.00	.00	(674.70)	674.70	+++	781.57
2770.001	NSF Check Charge	5,000.00	.00	5,000.00	525.00	.00	6,510.00	(1,510.00)	130	8,330.00
2770.599	Undesignated	10,500.00	.00	10,500.00	.00	.00	2,507.64	7,992.36	24	2,029.28
<i>Misc Local Sources Totals</i>		\$15,500.00	\$0.00	\$15,500.00	\$525.00	\$0.00	\$8,342.94	\$7,157.06	54%	\$11,140.85
<i>Interfund Revenues</i>										
2801.A	Interfd Rev From G/Fd	237,500.00	.00	237,500.00	.00	.00	.00	237,500.00	0	.00
2801.GA	Interfd Rev WtrBd-Sewr	.00	.00	.00	159,958.34	.00	159,958.34	(159,958.34)	+++	.00
<i>Interfund Revenues Totals</i>		\$237,500.00	\$0.00	\$237,500.00	\$159,958.34	\$0.00	\$159,958.34	\$77,541.66	67%	\$0.00
<i>Operating Transfers In</i>										
5031.GA	Transfer Fr Sewer Divisn.	.00	20,000.00	20,000.00	.00	.00	.00	20,000.00	0	.00
5031.VFG	Transfer Fr Debt Service	125,000.00	.00	125,000.00	.00	.00	.00	125,000.00	0	.00
<i>Operating Transfers In Totals</i>		\$125,000.00	\$20,000.00	\$145,000.00	\$0.00	\$0.00	\$0.00	\$145,000.00	0%	\$0.00
REVENUE TOTALS		\$11,543,269.00	\$20,000.00	\$11,563,269.00	\$2,360,750.39	\$0.00	\$8,295,808.14	\$3,267,460.86	72%	\$7,477,592.95
Fund FA - Water Board - Water Totals		\$11,543,269.00	\$20,000.00	\$11,563,269.00	\$2,360,750.39	\$0.00	\$8,295,808.14	\$3,267,460.86		\$7,477,592.95
Fund FGA - Water Authority										
REVENUE										
<i>Operating Transfers In</i>										
5031.FA	Transfer Fr Water Divisn.	25,000.00	.00	25,000.00	.00	.00	.00	25,000.00	0	.00
5031.GA	Transfer Fr Sewer Divisn.	25,000.00	.00	25,000.00	.00	.00	.00	25,000.00	0	.00
<i>Operating Transfers In Totals</i>		\$50,000.00	\$0.00	\$50,000.00	\$0.00	\$0.00	\$0.00	\$50,000.00	0%	\$0.00
REVENUE TOTALS		\$50,000.00	\$0.00	\$50,000.00	\$0.00	\$0.00	\$0.00	\$50,000.00	0%	\$0.00
Fund FGA - Water Authority Totals		\$50,000.00	\$0.00	\$50,000.00	\$0.00	\$0.00	\$0.00	\$50,000.00		\$0.00
Fund FGB - Water Board										
REVENUE										
<i>Operating Transfers In</i>										
5031.FA	Transfer Fr Water Divisn.	68,920.00	.00	68,920.00	.00	.00	.00	68,920.00	0	70,000.00
5031.GA	Transfer Fr Sewer Divisn.	103,380.00	.00	103,380.00	.00	.00	.00	103,380.00	0	70,000.00
<i>Operating Transfers In Totals</i>		\$172,300.00	\$0.00	\$172,300.00	\$0.00	\$0.00	\$0.00	\$172,300.00	0%	\$140,000.00
REVENUE TOTALS		\$172,300.00	\$0.00	\$172,300.00	\$0.00	\$0.00	\$0.00	\$172,300.00	0%	\$140,000.00
Fund FGB - Water Board Totals		\$172,300.00	\$0.00	\$172,300.00	\$0.00	\$0.00	\$0.00	\$172,300.00		\$140,000.00
Fund GA - Water Board - Sewer										
REVENUE										
<i>Departmental Income</i>										
2120.001	District 1	2,146,410.00	.00	2,146,410.00	574,737.75	.00	1,472,903.62	673,506.38	69	1,412,923.45



Revenue Budget Performance Report

Fiscal Year to Date 10/31/21

Exclude Rollup Account

Account	Account Description	Adopted Budget	Budget Amendments	Amended Budget	Current Month Transactions	YTD Encumbrances	YTD Transactions	Budget - YTD Transactions	% Used/ Rec'd	Prior Year YTD
Fund	GA - Water Board - Sewer									
	REVENUE									
	<i>Departmental Income</i>									
2120.002	District 2	2,514,064.00	.00	2,514,064.00	1,015.40	.00	1,277,265.65	1,236,798.35	51	1,254,945.97
2120.003	District 3	1,862,688.00	.00	1,862,688.00	1,276.21	.00	1,209,392.37	653,295.63	65	1,133,640.69
2120.005	Industrial CSIRU	4,035,200.00	.00	4,035,200.00	968,220.40	.00	2,332,542.13	1,702,657.87	58	2,040,117.77
2120.006	Industrial SIU	8,365,632.00	.00	8,365,632.00	2,796,267.88	.00	7,525,456.03	840,175.97	90	6,334,350.81
2120.007	Waste Hauler Fees	3,000.00	.00	3,000.00	.00	.00	3,225.00	(225.00)	108	3,809.29
2120.008	Hydrant Usage	6,656.00	.00	6,656.00	138.83	.00	8,018.21	(1,362.21)	120	6,043.57
2120.102	Town Of Niagara	675,000.00	.00	675,000.00	135,003.63	.00	608,626.54	66,373.46	90	792,882.19
2122.001	Visual Inspections	.00	.00	.00	(120.00)	.00	(120.00)	120.00	+++	.00
2122.002	Dye Tests	41,102.00	.00	41,102.00	4,922.50	.00	51,067.50	(9,965.50)	124	38,642.50
2128.001	District 1	84,090.00	.00	84,090.00	32,854.04	.00	87,717.98	(3,627.98)	104	88,441.60
2128.002	District 2	60,870.00	.00	60,870.00	(3.63)	.00	39,699.12	21,170.88	65	37,693.32
2128.003	District 3	68,300.00	.00	68,300.00	(11.76)	.00	82,309.91	(14,009.91)	121	58,487.88
2128.005	Industrial	15,000.00	.00	15,000.00	7,243.41	.00	17,549.15	(2,549.15)	117	33,649.72
2128.006	Industrial SIU	19,100.00	.00	19,100.00	178,690.05	.00	191,392.01	(172,292.01)	1002	17,081.01
2141.000	Allowance for Unpaid Trfd	20,715.00	.00	20,715.00	.00	.00	61,324.51	(40,609.51)	296	70,540.98
	<i>Departmental Income Totals</i>	\$19,917,827.00	\$0.00	\$19,917,827.00	\$4,700,234.71	\$0.00	\$14,968,369.73	\$4,949,457.27	75%	\$13,323,250.75
	<i>Use Of Money & Property</i>									
2401.000	Interest Earnings	80,500.00	.00	80,500.00	(287.36)	.00	1,199.50	79,300.50	1	33,104.41
	<i>Use Of Money & Property Totals</i>	\$80,500.00	\$0.00	\$80,500.00	(\$287.36)	\$0.00	\$1,199.50	\$79,300.50	1%	\$33,104.41
	<i>Licenses And Permits</i>									
2590.006	SIU 5-Yr Permits	6,250.00	.00	6,250.00	.00	.00	1,000.00	5,250.00	16	5,500.00
	<i>Licenses And Permits Totals</i>	\$6,250.00	\$0.00	\$6,250.00	\$0.00	\$0.00	\$1,000.00	\$5,250.00	16%	\$5,500.00
	<i>Fines And Forfeits</i>									
2620.000	Forfeitures Of Deposits	800.00	.00	800.00	.00	.00	.00	800.00	0	450.00
	<i>Fines And Forfeits Totals</i>	\$800.00	\$0.00	\$800.00	\$0.00	\$0.00	\$0.00	\$800.00	0%	\$450.00
	<i>Sale Of Prop/Cmp For Loss</i>									
2650.000	Sale Of Scrap	2,350.00	.00	2,350.00	.00	.00	.00	2,350.00	0	1,253.51
2680.000	Insurance Recoveries	.00	.00	.00	.00	.00	.00	.00	+++	(26,979.30)
2690.001	Damages to WB Property	84,525.00	.00	84,525.00	.00	.00	.00	84,525.00	0	131,580.10
	<i>Sale Of Prop/Cmp For Loss Totals</i>	\$86,875.00	\$0.00	\$86,875.00	\$0.00	\$0.00	\$0.00	\$86,875.00	0%	\$105,854.31
	<i>Misc Local Sources</i>									
2701.000	Refund Appro Exp Prior Yr	(7,800.00)	.00	(7,800.00)	.00	.00	(39,455.88)	31,655.88	506	1,520.03
2770.599	Undesignated	.00	.00	.00	10,000.00	.00	31,897.40	(31,897.40)	+++	.00
	<i>Misc Local Sources Totals</i>	(\$7,800.00)	\$0.00	(\$7,800.00)	\$10,000.00	\$0.00	(\$7,558.48)	(\$241.52)	97%	\$1,520.03
	<i>Interfund Revenues</i>									
2801.F	Interfd Rev Fr Water	.00	.00	.00	162,096.34	.00	162,096.34	(162,096.34)	+++	.00
	<i>Interfund Revenues Totals</i>	\$0.00	\$0.00	\$0.00	\$162,096.34	\$0.00	\$162,096.34	(\$162,096.34)	+++	\$0.00
	REVENUE TOTALS	\$20,084,452.00	\$0.00	\$20,084,452.00	\$4,872,043.69	\$0.00	\$15,125,107.09	\$4,959,344.91	75%	\$13,469,679.50



Revenue Budget Performance Report

Fiscal Year to Date 10/31/21

Exclude Rollup Account

Account	Account Description	Adopted Budget	Budget Amendments	Amended Budget	Current Month Transactions	YTD Encumbrances	YTD Transactions	Budget - YTD Transactions	% Used/ Rec'd	Prior Year YTD
Fund GA - Water Board - Sewer Totals		\$20,084,452.00	\$0.00	\$20,084,452.00	\$4,872,043.69	\$0.00	\$15,125,107.09	\$4,959,344.91		\$13,469,679.50
Fund VFG - Plant Fund										
REVENUE										
Use Of Money & Property										
2401.000	Interest Earnings	1,100,000.00	.00	1,100,000.00	28,723.83	.00	345,611.75	754,388.25	31	208,808.64
Use Of Money & Property Totals		\$1,100,000.00	\$0.00	\$1,100,000.00	\$28,723.83	\$0.00	\$345,611.75	\$754,388.25	31%	\$208,808.64
Misc Local Sources										
2770.000	Other Unclassif'd Revenue	.00	.00	.00	.00	.00	1,146.16	(1,146.16)	+++	.00
Misc Local Sources Totals		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,146.16	(\$1,146.16)	+++	\$0.00
Proceeds Of Obligations										
4990.000	Grant Revenue	.00	.00	.00	.00	.00	2,247,241.22	(2,247,241.22)	+++	266,928.10
Proceeds Of Obligations Totals		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,247,241.22	(\$2,247,241.22)	+++	\$266,928.10
Operating Transfers In										
5031.FA	Transfer Fr Water Divisn.	2,182,651.00	.00	2,182,651.00	8,255.70	.00	82,304.27	2,100,346.73	4	3,892,807.20
5031.GA	Transfer Fr Sewer Divisn.	3,995,379.00	.00	3,995,379.00	12,383.54	.00	124,854.21	3,870,524.79	3	5,839,210.80
Operating Transfers In Totals		\$6,178,030.00	\$0.00	\$6,178,030.00	\$20,639.24	\$0.00	\$207,158.48	\$5,970,871.52	3%	\$9,732,018.00
REVENUE TOTALS		\$7,278,030.00	\$0.00	\$7,278,030.00	\$49,363.07	\$0.00	\$2,801,157.61	\$4,476,872.39	38%	\$10,207,754.74
Fund VFG - Plant Fund Totals		\$7,278,030.00	\$0.00	\$7,278,030.00	\$49,363.07	\$0.00	\$2,801,157.61	\$4,476,872.39		\$10,207,754.74
Grand Totals		\$39,128,051.00	\$20,000.00	\$39,148,051.00	\$7,282,157.15	\$0.00	\$26,222,072.84	\$12,925,978.16		\$31,295,027.19



Expense Budget Performance Report

Fiscal Year to Date 10/31/21

Exclude Rollup Account

Account	Account Description	Adopted Budget	Budget Amendments	Amended Budget	Current Month Transactions	YTD Encumbrances	YTD Transactions	Budget - YTD Transactions	% Used/ Rec'd	Prior Year YTD
Fund	GA - Water Board - Sewer									
	EXPENSE									
	<i>Personnel - Position Control</i>									
0110.000	Biweekly Payroll	2,801,679.00	.00	2,801,679.00	311,741.93	.00	2,162,370.89	639,308.11	77	2,305,392.55
0153.000	Stipend	.00	.00	.00	692.31	.00	3,115.39	(3,115.39)	+++	96.15
	<i>Personnel - Position Control Totals</i>	\$2,801,679.00	\$0.00	\$2,801,679.00	\$312,434.24	\$0.00	\$2,165,486.28	\$636,192.72	77%	\$2,305,488.70
	<i>Personnel Services</i>									
0111.000	Biweekly Comp Differential	.00	.00	.00	.00	.00	6,125.51	(6,125.51)	+++	1,815.45
0125.000	Insurance OPT Out	122,148.00	.00	122,148.00	13,420.31	.00	90,326.60	31,821.40	74	90,232.58
0130.000	Temporary Payroll	111,964.00	(13,691.00)	98,273.00	27,214.65	.00	157,020.86	(58,747.86)	160	126,291.33
0140.000	Overtime	223,300.00	(5,000.00)	218,300.00	20,062.11	.00	135,885.76	82,414.24	62	178,948.00
0150.000	Acting Next-In-Rank Pay	12,480.00	.00	12,480.00	2,042.48	.00	15,648.66	(3,168.66)	125	14,265.75
0151.A	Sunday Contractual Pay	.00	.00	.00	5,681.79	.00	40,762.80	(40,762.80)	+++	40,725.49
0152.000	Shift Premium Pay	8,500.00	.00	8,500.00	8,107.86	.00	8,334.91	165.09	98	8,696.30
0155.A	Holiday Contractual Pay	.00	.00	.00	.00	.00	17,479.06	(17,479.06)	+++	18,846.00
0155.000	Holiday Pay	9,298.00	.00	9,298.00	2,729.50	.00	51,199.48	(41,901.48)	551	56,903.59
0165.000	Military Leave	.00	.00	.00	2,812.98	.00	10,587.96	(10,587.96)	+++	3,056.61
0170.000	Overtime Meals	6,225.00	.00	6,225.00	669.50	.00	4,065.75	2,159.25	65	4,762.00
0181.000	Vacation Pay	.00	.00	.00	19,109.59	.00	148,322.66	(148,322.66)	+++	126,419.10
0182.000	Personal Time	.00	.00	.00	43.93	.00	3,279.89	(3,279.89)	+++	4,342.21
0183.000	Compensatory Time Off	.00	.00	.00	1,907.77	.00	9,124.37	(9,124.37)	+++	4,428.53
0184.000	Funeral Leave	.00	.00	.00	1,863.66	.00	6,674.53	(6,674.53)	+++	6,859.62
0185.000	Jury Duty	.00	.00	.00	330.20	.00	3,891.12	(3,891.12)	+++	.00
0186.000	Call-In Time	7,750.00	.00	7,750.00	2,549.72	.00	17,528.13	(9,778.13)	226	15,605.31
0189.000	Sick Leave	.00	.00	.00	10,919.35	.00	60,730.76	(60,730.76)	+++	63,557.54
	<i>Personnel Services Totals</i>	\$501,665.00	(\$18,691.00)	\$482,974.00	\$119,465.40	\$0.00	\$786,988.81	(\$304,014.81)	163%	\$765,755.41
	<i>Capital Outlays</i>									
0210.000	Furniture & Furnishings	.00	4,000.00	4,000.00	998.00	961.31	998.00	2,040.69	49	.00
0230.000	Motor Vehicle Equipment	.00	.00	.00	.00	.00	.00	.00	+++	510.78
0250.000	Other Equipment	.00	6,500.00	6,500.00	679.00	.00	6,213.76	286.24	96	.00
0250.500	Safety Equipment	25,000.00	.00	25,000.00	.00	20.66	10,752.68	14,226.66	43	18,866.55
	<i>Capital Outlays Totals</i>	\$25,000.00	\$10,500.00	\$35,500.00	\$1,677.00	\$981.97	\$17,964.44	\$16,553.59	53%	\$19,377.33
	<i>Contractual Expenses</i>									
0411.000	Office Supplies	2,750.00	.00	2,750.00	.00	852.76	1,227.92	669.32	76	1,976.89
0412.000	Uniforms	2,170.00	.00	2,170.00	.00	.00	1,954.00	216.00	90	.00
0413.000	Safety Shoes	10,400.00	.00	10,400.00	267.04	.00	5,478.44	4,921.56	53	4,127.56
0414.000	Automotive-Gas,Oil,Grease	40,000.00	.00	40,000.00	3,590.07	.00	27,169.84	12,830.16	68	28,435.02
0416.000	Consumable Printed Forms	700.00	.00	700.00	.00	.00	624.92	75.08	89	280.70
0417.000	Tool Allowance	300.00	.00	300.00	.00	.00	150.00	150.00	50	300.00
0419.001	Automotive Parts	25,000.00	.00	25,000.00	2,299.44	941.55	26,353.01	(2,294.56)	109	34,559.63
0419.003	Cleaning/Sanitary	5,000.00	5,000.00	10,000.00	408.64	51.76	5,281.52	4,666.72	53	3,532.06



Expense Budget Performance Report

Fiscal Year to Date 10/31/21

Exclude Rollup Account

Account	Account Description	Adopted Budget	Budget Amendments	Amended Budget	Current Month Transactions	YTD Encumbrances	YTD Transactions	Budget - YTD Transactions	% Used/ Rec'd	Prior Year YTD
Fund	GA - Water Board - Sewer									
	EXPENSE									
	<i>Contractual Expenses</i>									
0419.004	Agricultural/Botanical	40,000.00	.00	40,000.00	.00	40,000.00	.00	.00	100	.00
0419.005	Tools & Machine Parts	207,100.00	.00	207,100.00	1,823.11	100,976.48	67,070.94	39,052.58	81	144,612.76
0419.006	Construction/Repair	142,500.00	.00	142,500.00	841.70	17,295.81	75,529.58	49,674.61	65	112,190.78
0419.008	Signals/Communication	5,000.00	.00	5,000.00	.00	.00	.00	5,000.00	0	.00
0419.009	Misc Chemicals	19,500.00	.00	19,500.00	.00	7,879.06	10,235.00	1,385.94	93	11,761.35
0419.010	Laboratory	26,000.00	.00	26,000.00	(40.00)	3,218.51	18,765.69	4,015.80	85	12,518.75
0419.012	Carbon	110,000.00	(30,000.00)	80,000.00	.00	.00	4,928.00	75,072.00	6	97,587.50
0419.014	Ferric Chloride	410,000.00	.00	410,000.00	27,060.21	52,750.51	306,031.27	51,218.22	88	320,768.41
0419.016	Primary Polymer	120,000.00	.00	120,000.00	.00	13,304.00	36,696.00	70,000.00	42	36,696.00
0419.017	Sludge Polymer	110,000.00	.00	110,000.00	24,960.00	55,000.00	74,880.00	(19,880.00)	118	29,120.00
0419.018	Pebble Lime	230,000.00	.00	230,000.00	13,077.30	71,284.19	114,681.44	44,034.37	81	131,852.14
0419.024	Hypochlorite Solution	2,500,000.00	.00	2,500,000.00	731,982.86	12,869.68	2,314,384.57	172,745.75	93	1,968,636.87
0419.028	Hydrogen Peroxide	200,000.00	.00	200,000.00	.00	.00	.00	200,000.00	0	.00
0419.599	Undesignated Supplies	49,000.00	220.00	49,220.00	1,823.06	7,978.79	31,488.76	9,752.45	80	37,104.58
0421.001	Phone Extension Chgs	43,925.00	.00	43,925.00	3,175.46	.00	35,424.49	8,500.51	81	35,807.62
0421.002	Wireless Services	16,000.00	.00	16,000.00	746.50	.00	6,488.82	9,511.18	41	7,247.72
0422.000	Light & Power	633,000.00	.00	633,000.00	47,501.66	.00	493,296.69	139,703.31	78	478,565.15
0423.000	Water/Sewer	486,000.00	.00	486,000.00	162,096.34	.00	504,112.54	(18,112.54)	104	447,123.35
0424.000	Gas	25,000.00	.00	25,000.00	267.63	.00	14,069.05	10,930.95	56	18,507.70
0432.000	Property Insurance	142,500.00	.00	142,500.00	.00	.00	.00	142,500.00	0	.00
0433.000	Liability Insurance	88,512.00	.00	88,512.00	.00	.00	115,582.30	(27,070.30)	131	170,950.46
0440.003	Motor Vehicle Equipment	80,000.00	.00	80,000.00	7,967.47	500.00	66,234.35	13,265.65	83	62,134.06
0440.599	Undesignated Leases	1,050.00	.00	1,050.00	.00	.00	867.97	182.03	83	688.66
0441.000	Rental Of Real Property	75.00	.00	75.00	.00	.00	41.00	34.00	55	41.00
0442.000	Rental Of Equipment	14,000.00	.00	14,000.00	335.12	.00	3,992.11	10,007.89	29	12,272.82
0442.003	Motor Vehicle Equip Rentl	.00	9,565.00	9,565.00	494.50	.00	8,505.40	1,059.60	89	3,987.37
0442.599	Undesignated Rentals	2,700.00	.00	2,700.00	.00	298.14	1,681.18	720.68	73	1,714.78
0443.000	Repair Of Real Property	35,000.00	.00	35,000.00	2,141.42	2,852.34	17,106.45	15,041.21	57	9,955.09
0444.000	Repair Of Equipment	163,745.00	.00	163,745.00	5,510.16	16,948.96	67,889.72	78,906.32	52	74,552.86
0446.000	Computer Services	2,500.00	.00	2,500.00	349.98	.00	3,499.79	(999.79)	140	3,499.76
0449.000	Billing & Collection	42,500.00	.00	42,500.00	.00	.00	34,297.17	8,202.83	81	35,901.74
0449.002	Sludge Disposal	1,750,000.00	.00	1,750,000.00	126,338.45	73,661.55	1,547,530.11	128,808.34	93	1,213,437.57
0449.004	Special Security	.00	.00	.00	.00	.00	.00	.00	+++	475.00
0449.500	Safety-Contractual	3,200.00	.00	3,200.00	.00	.00	1,850.23	1,349.77	58	991.50
0449.599	Undesignated Services	157,000.00	39,563.00	196,563.00	18,795.99	19,564.44	140,507.41	36,491.15	81	69,789.61
0451.000	Consultants	73,762.00	.00	73,762.00	8,604.00	6,168.61	65,596.42	1,996.97	97	68,040.89
0454.000	Attorney Services	80,000.00	.00	80,000.00	4,451.07	.00	45,174.88	34,825.12	56	37,591.70
0461.000	Postage	15,000.00	.00	15,000.00	15,654.98	.00	39,652.79	(24,652.79)	264	17,678.79



Expense Budget Performance Report

Fiscal Year to Date 10/31/21

Exclude Rollup Account

Account	Account Description	Adopted Budget	Budget Amendments	Amended Budget	Current Month Transactions	YTD Encumbrances	YTD Transactions	Budget - YTD Transactions	% Used/ Rec'd	Prior Year YTD
Fund GA - Water Board - Sewer										
EXPENSE										
<i>Contractual Expenses</i>										
0463.000	Travel & Training Expense	8,320.00	1,717.00	10,037.00	.00	.00	499.00	9,538.00	5	2,141.50
0463.500	Safety Training	1,000.00	.00	1,000.00	.00	.00	.00	1,000.00	0	700.00
0465.000	Laundry & Cleaning	8,745.00	.00	8,745.00	99.76	352.58	1,072.42	7,320.00	16	6,406.42
0466.000	Books,Mags. & Memberships	500.00	.00	500.00	.00	.00	2,010.00	(1,510.00)	402	1,800.00
0467.000	Advertising	500.00	.00	500.00	10.79	.00	328.70	171.30	66	179.40
0471.000	Recruitment Expenditures	400.00	.00	400.00	.00	.00	359.00	41.00	90	278.80
<i>Contractual Expenses Totals</i>		\$8,130,354.00	\$26,065.00	\$8,156,419.00	\$1,212,634.71	\$504,749.72	\$6,340,600.89	\$1,311,068.39	84%	\$5,758,522.32
<i>Employee Benefits</i>										
0801.000	NYS E.R.S. Retirement	391,435.00	.00	391,435.00	.00	.00	106,755.83	284,679.17	27	94,959.33
0820.000	Worker's Compensation	262,000.00	.00	262,000.00	782.74	.00	1,068.27	260,931.73	0	4,244.44
0830.000	Life Insurance	11,660.00	.00	11,660.00	1,173.17	.00	11,140.29	519.71	96	9,816.61
0840.000	Unemployment Ins. NYS	17,253.00	.00	17,253.00	.00	.00	.00	17,253.00	0	24,139.85
0860.000	Medical Insurance	2,675,896.00	.00	2,675,896.00	150,933.02	.00	1,845,939.61	829,956.39	69	1,914,065.39
0861.000	Dental Insurance	28,400.00	.00	28,400.00	.00	.00	.00	28,400.00	0	.00
0863.000	Vision Care Insurance	5,982.00	.00	5,982.00	469.54	.00	4,774.93	1,207.07	80	4,869.19
0865.000	Chiropractic Insurance	965.00	.00	965.00	.00	.00	560.00	405.00	58	840.00
<i>Employee Benefits Totals</i>		\$3,393,591.00	\$0.00	\$3,393,591.00	\$153,358.47	\$0.00	\$1,970,238.93	\$1,423,352.07	58%	\$2,052,934.81
<i>Employee Benefit - FICA</i>										
0810.000	Social Security	276,572.00	.00	276,572.00	32,285.88	.00	220,657.85	55,914.15	80	229,803.04
<i>Employee Benefit - FICA Totals</i>		\$276,572.00	\$0.00	\$276,572.00	\$32,285.88	\$0.00	\$220,657.85	\$55,914.15	80%	\$229,803.04
<i>Interfund Transfers</i>										
0900.FA	Transfer To Water Divisn.	.00	(22,000.00)	(22,000.00)	.00	.00	.00	(22,000.00)	0	.00
0900.FGA	Transfer To Authority Bd	25,000.00	.00	25,000.00	.00	.00	.00	25,000.00	0	.00
0900.FGB	Transfer To Water Board	103,380.00	.00	103,380.00	.00	.00	.00	103,380.00	0	70,000.00
0900.O&M	Transfer to Capital - Coverage	614,288.00	.00	614,288.00	.00	.00	.00	614,288.00	0	1,420,981.80
0900.VFG	Transfer To Debt Service	4,212,923.00	.00	4,212,923.00	12,383.54	.00	124,854.21	4,088,068.79	3	4,418,229.00
<i>Interfund Transfers Totals</i>		\$4,955,591.00	(\$22,000.00)	\$4,933,591.00	\$12,383.54	\$0.00	\$124,854.21	\$4,808,736.79	3%	\$5,909,210.80
EXPENSE TOTALS		\$20,084,452.00	(\$4,126.00)	\$20,080,326.00	\$1,844,239.24	\$505,731.69	\$11,626,791.41	\$7,947,802.90	60%	\$17,041,092.41
Fund GA - Water Board - Sewer Totals		\$20,084,452.00	(\$4,126.00)	\$20,080,326.00	\$1,844,239.24	\$505,731.69	\$11,626,791.41	\$7,947,802.90		\$17,041,092.41
Grand Totals		\$20,084,452.00	(\$4,126.00)	\$20,080,326.00	\$1,844,239.24	\$505,731.69	\$11,626,791.41	\$7,947,802.90		\$17,041,092.41



Expense Budget Performance Report

Fiscal Year to Date 10/31/21

Exclude Rollup Account

Account	Account Description	Adopted Budget	Budget Amendments	Amended Budget	Current Month Transactions	YTD Encumbrances	YTD Transactions	Budget - YTD Transactions	% Used/ Rec'd	Prior Year YTD
Fund	FA - Water Board - Water									
	EXPENSE									
	<i>Personnel - Position Control</i>									
0110.000	Biweekly Payroll	2,429,005.00	.00	2,429,005.00	241,604.11	.00	1,770,457.44	658,547.56	73	1,837,090.52
0153.000	Stipend	4,925.00	.00	4,925.00	1,384.44	.00	8,191.02	(3,266.02)	166	5,171.78
	<i>Personnel - Position Control Totals</i>	\$2,433,930.00	\$0.00	\$2,433,930.00	\$242,988.55	\$0.00	\$1,778,648.46	\$655,281.54	73%	\$1,842,262.30
	<i>Personnel Services</i>									
0111.000	Biweekly Comp Differential	.00	.00	.00	.00	.00	.00	.00	+++	874.00
0125.000	Insurance OPT Out	66,872.00	.00	66,872.00	6,480.79	.00	48,446.84	18,425.16	72	50,498.18
0130.000	Temporary Payroll	22,650.00	(4,180.00)	18,470.00	3,140.00	.00	14,013.38	4,456.62	76	42,374.42
0140.000	Overtime	75,319.00	.00	75,319.00	8,799.81	.00	63,667.03	11,651.97	85	66,185.31
0150.000	Acting Next-In-Rank Pay	.00	.00	.00	434.40	.00	866.70	(866.70)	+++	453.00
0151.A	Sunday Contractual Pay	14,385.00	.00	14,385.00	1,876.22	.00	13,540.86	844.14	94	12,657.90
0152.000	Shift Premium Pay	.00	.00	.00	3,530.12	.00	3,807.48	(3,807.48)	+++	3,695.24
0155.A	Holiday Contractual Pay	6,950.00	.00	6,950.00	.00	.00	4,515.72	2,434.28	65	4,254.51
0155.000	Holiday Pay	.00	.00	.00	2,557.83	.00	54,826.94	(54,826.94)	+++	56,958.39
0165.000	Military Leave	.00	.00	.00	.00	.00	.00	.00	+++	181.98
0170.000	Overtime Meals	2,505.00	.00	2,505.00	226.00	.00	1,665.25	839.75	66	1,624.00
0181.000	Vacation Pay	.00	.00	.00	46,470.10	.00	175,118.95	(175,118.95)	+++	121,148.33
0182.000	Personal Time	.00	.00	.00	2,046.52	.00	10,471.15	(10,471.15)	+++	4,674.47
0183.000	Compensatory Time Off	.00	.00	.00	270.59	.00	2,593.42	(2,593.42)	+++	2,652.75
0184.000	Funeral Leave	.00	.00	.00	211.58	.00	3,773.82	(3,773.82)	+++	1,963.12
0186.000	Call-In Time	6,475.00	.00	6,475.00	450.40	.00	5,697.84	777.16	88	4,571.30
0189.000	Sick Leave	.00	.00	.00	8,526.97	.00	71,953.78	(71,953.78)	+++	53,580.36
0190.000	Vacation Cash Conversion	5,329.00	.00	5,329.00	.00	.00	2,431.92	2,897.08	46	2,407.84
	<i>Personnel Services Totals</i>	\$200,485.00	(\$4,180.00)	\$196,305.00	\$85,021.33	\$0.00	\$477,391.08	(\$281,086.08)	243%	\$430,755.10
	<i>Capital Outlays</i>									
0210.000	Furniture & Furnishings	500.00	5,000.00	5,500.00	.00	1,025.00	3,630.74	844.26	85	.00
0220.000	Office Equipment	500.00	.00	500.00	.00	.00	.00	500.00	0	.00
0230.000	Motor Vehicle Equipment	86,000.00	.00	86,000.00	.00	.00	1,999.00	84,001.00	2	.00
0250.000	Other Equipment	28,000.00	(2,500.00)	25,500.00	80.34	5,245.23	16,984.44	3,270.33	87	.00
0250.007	Computer Equipment	25,500.00	.00	25,500.00	.00	4,850.91	2,717.68	17,931.41	30	25,490.69
0250.500	Safety Equipment	7,957.00	(5,000.00)	2,957.00	.00	.00	2,116.93	840.07	72	9,172.12
	<i>Capital Outlays Totals</i>	\$148,457.00	(\$2,500.00)	\$145,957.00	\$80.34	\$11,121.14	\$27,448.79	\$107,387.07	26%	\$34,662.81
	<i>Contractual Expenses</i>									
0411.000	Office Supplies	15,200.00	(1,000.00)	14,200.00	256.31	4,012.07	5,225.29	4,962.64	65	6,457.29
0412.000	Uniforms	2,050.00	.00	2,050.00	.00	.00	1,183.00	867.00	58	738.46
0413.000	Safety Shoes	8,200.00	.00	8,200.00	384.38	.00	4,014.27	4,185.73	49	3,033.84
0414.000	Automotive-Gas,Oil,Grease	45,000.00	.00	45,000.00	4,990.95	1,366.97	33,738.24	9,894.79	78	36,837.05
0415.000	Fuel Oil	30,000.00	.00	30,000.00	.00	.00	8,083.56	21,916.44	27	.00
0416.000	Consumable Printed Forms	700.00	.00	700.00	.00	.00	624.92	75.08	89	280.70



Expense Budget Performance Report

Fiscal Year to Date 10/31/21
Exclude Rollup Account

Account	Account Description	Adopted Budget	Budget Amendments	Amended Budget	Current Month Transactions	YTD Encumbrances	YTD Transactions	Budget - YTD Transactions	% Used/ Rec'd	Prior Year YTD
Fund	FA - Water Board - Water									
	EXPENSE									
	<i>Contractual Expenses</i>									
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	2,371.26	1,804.72	15,047.12	3,148.16	84	25,833.58
0419.003	Cleaning/Sanitary	5,000.00	.00	5,000.00	.00	2,022.80	1,902.40	1,074.80	79	909.91
0419.005	Tools & Machine Parts	77,500.00	.00	77,500.00	6,243.13	12,246.71	47,977.41	17,275.88	78	53,546.53
0419.006	Construction/Repair	174,000.00	.00	174,000.00	914.50	15,097.44	121,302.86	37,599.70	78	149,278.68
0419.009	Misc Chemicals	361,000.00	.00	361,000.00	20,518.19	44,485.16	275,339.24	41,175.60	89	287,867.44
0419.010	Laboratory	31,000.00	.00	31,000.00	3,316.50	6,248.53	16,682.12	8,069.35	74	23,704.24
0419.599	Undesignated Supplies	9,450.00	.00	9,450.00	399.92	2,157.27	4,540.05	2,752.68	71	3,981.24
0421.001	Phone Extension Chgs	25,000.00	.00	25,000.00	1,976.92	.00	16,955.72	8,044.28	68	17,869.98
0421.002	Wireless Services	16,000.00	.00	16,000.00	1,120.99	.00	10,247.44	5,752.56	64	10,591.61
0422.000	Light & Power	500,000.00	.00	500,000.00	42,524.02	.00	466,470.38	33,529.62	93	436,849.39
0423.000	Water/Sewer	698,000.00	.00	698,000.00	159,958.34	.00	499,180.22	198,819.78	72	519,633.51
0424.000	Gas	20,000.00	.00	20,000.00	18.49	.00	10,562.00	9,438.00	53	10,097.72
0432.000	Property Insurance	85,000.00	.00	85,000.00	.00	.00	.00	85,000.00	0	.00
0433.000	Liability Insurance	65,500.00	.00	65,500.00	.00	.00	97,052.95	(31,552.95)	148	131,355.55
0440.003	Motor Vehicle Equipment	84,000.00	.00	84,000.00	7,967.48	.00	65,236.25	18,763.75	78	65,373.44
0440.599	Undesignated Leases	1,050.00	.00	1,050.00	.00	.00	942.07	107.93	90	1,040.28
0441.000	Rental Of Real Property	.00	.00	.00	.00	.00	24.00	(24.00)	+++	48.00
0442.000	Rental Of Equipment	4,000.00	.00	4,000.00	335.13	.00	3,031.09	968.91	76	2,675.83
0442.003	Motor Vehicle Equip Rentl	5,000.00	8,306.00	13,306.00	494.50	.00	8,505.38	4,800.62	64	3,987.37
0442.599	Undesignated Rentals	5,000.00	.00	5,000.00	137.96	661.38	1,717.94	2,620.68	48	2,067.61
0444.000	Repair Of Equipment	23,700.00	194.00	23,894.00	.00	145.00	6,676.52	17,072.48	29	15,040.20
0446.000	Computer Services	4,000.00	.00	4,000.00	349.97	.00	3,499.71	500.29	87	3,499.74
0446.008	Software Maint/Licenses	335,000.00	.00	335,000.00	8,419.47	33,301.54	280,208.36	21,490.10	94	159,452.11
0449.000	Billing & Collection	42,500.00	.00	42,500.00	.00	.00	34,297.13	8,202.87	81	35,901.79
0449.001	Sludge Removal	80,000.00	.00	80,000.00	.00	715.00	.00	79,285.00	1	.00
0449.003	Waste Disposal	.00	.00	.00	.00	.00	.00	.00	+++	427.78
0449.500	Safety-Contractual	1,300.00	5,000.00	6,300.00	.00	2,483.25	2,768.75	1,048.00	83	991.50
0449.599	Undesignated Services	830,000.00	(21,694.00)	808,306.00	6,404.69	4,506.30	804,378.54	(578.84)	100	756,503.29
0451.000	Consultants	63,000.00	.00	63,000.00	1,675.00	1,128.49	40,188.57	21,682.94	66	41,557.96
0454.000	Attorney Services	50,000.00	.00	50,000.00	4,451.07	.00	43,502.34	6,497.66	87	42,649.42
0461.000	Postage	20,000.00	.00	20,000.00	15,654.97	.00	39,652.76	(19,652.76)	198	17,647.15
0463.000	Travel & Training Expense	13,800.00	(2,000.00)	11,800.00	605.00	.00	4,493.45	7,306.55	38	6,099.99
0465.000	Laundry & Cleaning	3,000.00	.00	3,000.00	.00	.00	980.53	2,019.47	33	.00
0467.000	Advertising	500.00	.00	500.00	10.79	.00	285.75	214.25	57	179.40
0471.000	Recruitment Expenditures	800.00	.00	800.00	.00	.00	225.00	575.00	28	458.98
	<i>Contractual Expenses Totals</i>	\$3,755,400.00	(\$11,194.00)	\$3,744,206.00	\$291,499.93	\$132,382.63	\$2,976,743.33	\$635,080.04	83%	\$2,874,468.56



Expense Budget Performance Report

Fiscal Year to Date 10/31/21
Exclude Rollup Account

Account	Account Description	Adopted Budget	Budget Amendments	Amended Budget	Current Month Transactions	YTD Encumbrances	YTD Transactions	Budget - YTD Transactions	% Used/ Rec'd	Prior Year YTD
Fund	FA - Water Board - Water									
	EXPENSE									
	<i>Employee Benefits</i>									
0801.000	NYS E.R.S. Retirement	195,817.00	.00	195,817.00	.00	.00	53,377.92	142,439.08	27	47,479.67
0820.000	Worker's Compensation	262,000.00	.00	262,000.00	521.82	.00	732.80	261,267.20	0	5,215.39
0830.000	Life Insurance	8,931.00	.00	8,931.00	878.53	.00	8,750.22	180.78	98	7,473.28
0840.000	Unemployment Ins. NYS	26,019.00	.00	26,019.00	.00	.00	.00	26,019.00	0	24,139.82
0860.000	Medical Insurance	1,572,882.00	.00	1,572,882.00	115,806.91	.00	1,192,122.55	380,759.45	76	1,191,382.46
0861.000	Dental Insurance	55,305.00	.00	55,305.00	.00	.00	.00	55,305.00	0	.00
0863.000	Vision Care Insurance	4,240.00	.00	4,240.00	311.63	.00	3,153.89	1,086.11	74	3,159.30
0865.000	Chiropractic Insurance	2,200.00	.00	2,200.00	.00	.00	1,280.00	920.00	58	960.00
	<i>Employee Benefits Totals</i>	\$2,127,394.00	\$0.00	\$2,127,394.00	\$117,518.89	\$0.00	\$1,259,417.38	\$867,976.62	59%	\$1,279,809.92
	<i>Employee Benefit - FICA</i>									
0810.000	Social Security	215,454.00	.00	215,454.00	24,525.91	.00	168,562.50	46,891.50	78	169,488.58
	<i>Employee Benefit - FICA Totals</i>	\$215,454.00	\$0.00	\$215,454.00	\$24,525.91	\$0.00	\$168,562.50	\$46,891.50	78%	\$169,488.58
	<i>Interfund Transfers</i>									
0900.GA	Transfer To Sewer Divisn.	.00	2,000.00	2,000.00	.00	.00	.00	2,000.00	0	.00
0900.FGA	Transfer To Authority Bd	25,000.00	.00	25,000.00	.00	.00	.00	25,000.00	0	.00
0900.FGB	Transfer To Water Board	68,920.00	.00	68,920.00	.00	.00	.00	68,920.00	0	70,000.00
0900.O&M	Transfer to Capital - Coverage	510,578.00	.00	510,578.00	.00	.00	.00	510,578.00	0	947,321.20
0900.VFG	Transfer To Debt Service	2,057,651.00	.00	2,057,651.00	8,255.70	.00	82,304.27	1,975,346.73	4	2,945,486.00
	<i>Interfund Transfers Totals</i>	\$2,662,149.00	\$2,000.00	\$2,664,149.00	\$8,255.70	\$0.00	\$82,304.27	\$2,581,844.73	3%	\$3,962,807.20
	EXPENSE TOTALS	\$11,543,269.00	(\$15,874.00)	\$11,527,395.00	\$769,890.65	\$143,503.77	\$6,770,515.81	\$4,613,375.42	60%	\$10,594,254.47
	Fund FA - Water Board - Water Totals	\$11,543,269.00	(\$15,874.00)	\$11,527,395.00	\$769,890.65	\$143,503.77	\$6,770,515.81	\$4,613,375.42		\$10,594,254.47
	Grand Totals	\$11,543,269.00	(\$15,874.00)	\$11,527,395.00	\$769,890.65	\$143,503.77	\$6,770,515.81	\$4,613,375.42		\$10,594,254.47



Expense Budget Performance Report

Fiscal Year to Date 10/31/21

Exclude Rollup Account

Account	Account Description	Adopted Budget	Budget Amendments	Amended Budget	Current Month Transactions	YTD Encumbrances	YTD Transactions	Budget - YTD Transactions	% Used/ Rec'd	Prior Year YTD
Fund FGB - Water Board										
EXPENSE										
<i>Contractual Expenses</i>										
0419.599	Undesignated Supplies	2,000.00	.00	2,000.00	126.23	.00	3,081.52	(1,081.52)	154	3,769.66
0451.000	Consultants	35,000.00	.00	35,000.00	.00	.00	59,957.07	(24,957.07)	171	5,106.25
0454.000	Attorney Services	100,000.00	(200.00)	99,800.00	412.50	.00	27,495.20	72,304.80	28	196,631.45
0459.000	Auditors	28,000.00	.00	28,000.00	.00	.00	32,838.50	(4,838.50)	117	31,785.32
0461.000	Postage	250.00	200.00	450.00	.00	.00	22.04	427.96	5	.00
0466.000	Books,Mags. & Memberships	7,050.00	.00	7,050.00	.00	.00	4,509.00	2,541.00	64	4,014.00
<i>Contractual Expenses Totals</i>		\$172,300.00	\$0.00	\$172,300.00	\$538.73	\$0.00	\$127,903.33	\$44,396.67	74%	\$241,306.68
EXPENSE TOTALS		\$172,300.00	\$0.00	\$172,300.00	\$538.73	\$0.00	\$127,903.33	\$44,396.67	74%	\$241,306.68
Fund FGB - Water Board Totals		\$172,300.00	\$0.00	\$172,300.00	\$538.73	\$0.00	\$127,903.33	\$44,396.67		\$241,306.68
Grand Totals		\$172,300.00	\$0.00	\$172,300.00	\$538.73	\$0.00	\$127,903.33	\$44,396.67		\$241,306.68

BANK ON BUFFALO & KEYBANK

BANK BALANCES FY 2021

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	5,028,792.08			(2,637.00)	(2,637.00)	5,026,155.08	5,228,792.08
	X4899	Depository-B&B	2,961,957.56	2,750,721.11		(2,736,957.84)	11,763.27	2,973,320.83	3,699,522.63
	X9220	Depository-Keybank	112,298.69	185,720.12	(316.05)		185,404.07	297,702.76	769,734.41
		Payroll	185,507.24		(563,253.10)	507,770.17	(76,182.93)	109,324.31	109,889.27
	X4914	Benefits	10,257.50		(5,800.00)	8,423.00	2,623.00	12,880.50	11,061.50
	X0643	Operating	1,079,739.42		(2,432,881.82)	2,225,401.67	(207,580.15)	872,158.27	1,289,793.07
	X4445	Grants	59,308.39					59,308.39	
	Totals	9,526,085.70	2,936,441.23	(3,023,050.87)	(86,609.74)	86,609.74	9,439,475.96	11,179,454.78	

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	5,026,155.08			(2,637.00)	(2,637.00)	5,023,518.08	5,228,792.08
	X4899	Depository	2,979,320.83	2,537,263.19		(3,578,811.03)	(1,041,547.84)	1,937,772.99	4,196,124.61
	X9220	Depository-Keybank	297,702.76	165,912.19	(485.48)		(297,702.76)	(132,276.05)	165,426.71
	X4906	Payroll	109,324.31		(512,528.10)	510,502.95	(2,025.15)	107,398.56	301,559.41
	X4914	Benefits	12,880.50		(9,382.25)	9,383.25	351.00	13,131.50	14,750.50
	X0643	Operating	872,158.27		(3,325,122.66)	3,358,965.19	133,842.53	1,006,001.80	1,079,667.25
	X4445	Grants	56,308.39	569,243.43	(625,550.82)			(56,307.39)	1.00
	Totals	9,439,475.96	3,272,418.81	(4,879,819.33)	(1,100,600.50)	1,100,600.50	8,339,875.46	11,057,948.41	

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	5,023,518.08			5,274.00	5,274.00	5,028,792.08	5,228,792.08
	X4899	Depository	1,937,772.99	1,845,465.64		(2,593,574.20)	(750,108.56)	1,181,664.43	3,748,378.46
	X9220	Depository-Keybank	165,426.71	211,040.22	(489.24)		(165,426.71)	45,124.27	210,550.88
	X4906	Payroll	107,398.56		(485,125.70)	483,516.65	(1,609.05)	105,788.51	105,939.77
	X4914	Benefits	13,131.50		(16,431.00)	17,924.00	1,493.00	14,624.50	12,729.30
	X0643	Operating	1,006,001.80		(1,751,366.85)	3,252,366.26	506,719.41	1,506,721.21	929,179.14
	X4445	Grants	1.00	598,754.30				598,755.30	598,755.30
	Totals	8,339,875.46	2,653,260.16	(2,253,812.79)	(0.00)	398,647.37	8,738,522.83	10,193,240.90	

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	5,028,792.08					5,028,792.08	5,228,792.08
	X4899	Depository	1,181,664.43	3,074,511.54		(2,386,184.03)	688,327.51	1,869,991.94	3,453,033.14
	X9220	Depository-Keybank	210,550.88	161,772.86			161,772.86	372,323.36	175,589.35
	X4906	Payroll	105,788.51		(495,931.12)	495,940.33	3,889.41	109,678.92	107,968.49
	X4914	Benefits	14,624.50		(10,813.00)	8,842.00	(1,971.00)	12,653.50	8,510.50
	X0643	Operating	1,506,721.21		(1,706,271.82)	1,879,201.90	172,929.68	1,679,650.69	892,955.82
	X4445	Grants	598,755.30					598,755.30	598,755.30
	Totals	8,738,522.83	3,236,283.92	(2,211,335.94)	(0.00)	1,024,947.88	9,763,470.81	9,956,474.16	

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	5,028,792.08					5,028,792.08	5,228,792.08
	X4899	Depository	1,869,991.94	2,266,347.08		(2,030,207.49)	236,131.53	2,106,131.53	4,331,496.02
	X9220	Depository-Keybank	372,323.36	119,034.15			119,034.15	491,357.51	262,368.17
	X4906	Payroll	109,678.92		(476,497.93)	473,282.00	(3,215.93)	106,462.99	107,179.50
	X4914	Benefits	12,653.50		(6,983.00)	5,501.00	(1,192.00)	11,481.50	5,117.50
	X0643	Operating	1,679,650.69		(1,337,028.33)	1,351,424.49	(85,603.83)	1,294,047.00	1,401,207.08
	X4445	Grants	598,755.30					(598,754.30)	1.00
	Totals	9,763,470.81	2,385,381.23	(3,018,373.61)	0.00	(633,592.34)	9,129,878.43	11,427,813.17	

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	5,028,792.08					5,028,792.08	5,228,792.08
	X4899	Depository	2,106,131.53	2,001,721.25		(3,176,858.19)	(1,175,136.88)	930,994.65	2,447,022.76
	X9220	Depository-Keybank	491,357.51	124,382.84			124,382.84	615,740.35	337,756.93
	X4906	Payroll	106,462.99		(654,448.28)	650,750.45	(3,697.83)	98,263.16	383,619.29
	X4914	Benefits	11,481.50		(15,120.00)	17,063.00	1,943.00	13,404.50	5,943.50
	X0643	Operating	1,294,047.00		(2,452,827.79)	2,143,064.67	(349,763.12)	944,283.88	915,524.72
	X4445	Grants	1.00	772,433.29				772,433.29	772,433.29
	Totals	9,129,878.43	2,859,339.38	(3,161,397.87)	(0.00)	(262,857.68)	8,867,020.74	9,053,527.19	

MONTH	ACCT #	Account Name	STARTING VALUE	DEPOSITS	WITHDRAWALS	TRANSFERS	NET CHANGE IN VALUE	MONTH ENDING VALUE	PY MONTH ENDING VALUE
JULY	X4873	Board Expense Account	91,624.82					91,624.82	91,624.82
	X4881	O&M Reserve	5,028,792.08					5,028,792.08	5,228,792.08
	X4899	Depository	930,994.65	4,824,691.59		(2,536,562.90)	2,288,128.69	5,219,123.34	3,820,240.77
	X9220	Depository-Keybank	615,740.35	166,062.06			166,062.06	781,802.41	337,756.93
	X4906	Payroll	98,263.16		(603,871.87)	259,018.47	(344,853.40)	124,890.77	116,187.18
	X4914	Benefits	13,404.50		(7,353.00)	8,076.00	723.00	14,127.50	8,971.50
	X0643	Operating	944,283.88		(2,281,022.99)	2,289,468.43	(12,554.58)	691,729.32	864,877.52
	X4445	Grants	772,433.29					772,433.29	772,433.29
	Totals	8,867,020.74	4,999,773.45	(2,893,247.86)	0.00	2,097,525.79	10,964,548.53	8,468,450.80	

MONTH	ACCT #	Account Name	STARTING VALUE	DEPOSITS	WITHDRAWALS	TRANSFERS	NET CHANGE IN VALUE	MONTH ENDING VALUE	PY MONTH ENDING VALUE
AUGUST	X4873	Board Expense Account	91,624.82					91,624.82	91,624.82
	X4881	O&M Reserve	5,028,792.08					5,028,792.08	5,228,792.08
	X4899	Depository	3,219,123.34	4,296,321.65	(6,587.01)	(2,409,590.37)	1,280,144.27	5,099,267.61	4,115,642.21
	X9220	Depository-Keybank	781,802.41	223,081.39			223,081.39	1,004,903.74	223,431.09
	X4906	Payroll	124,890.77		(520,824.96)	509,694.28	(11,142.88)	113,758.49	108,726.94
	X4914	Benefits	14,127.50		(12,291.00)	11,777.00	(514.00)	13,613.50	4,278.50
	X0643	Operating	691,729.32		(1,909,474.12)	1,888,129.09	(21,345.03)	910,384.29	880,004.45
	X4445	Grants	772,433.29	876,051.63				1,648,484.92	266,928.11
	Totals	10,964,548.53	5,395,454.61	(2,449,176.69)	(2,409,590.37)	2,409,590.37	13,910,824.45	9,219,547.69	

MONTH	ACCT #	Account Name	STARTING VALUE	DEPOSITS	WITHDRAWALS	TRANSFERS	NET CHANGE IN VALUE	MONTH ENDING VALUE	PY MONTH ENDING VALUE
SEPTEMBER	X4873	Board Expense Account	91,624.82					91,624.82	91,624.82
	X4881	O&M Reserve	5,028,792.08					5,028,792.08	5,228,792.08
	X4899	Depository	5,099,267.61	1,609,520.90	(4,640.43)	(2,039,127.20)	(434,246.71)	4,665,020.90	4,860,948.49
	X9220	Depository-Keybank	1,004,903.74	134,520.35			134,520.35	1,139,424.09	227,578.67
	X4906	Payroll	113,758.49		(526,228.28)	591,683.20	3,454.92	117,205.41	107,829.16
	X4914	Benefits	13,613.50		(15,327.79)	13,106.00	(2,291.79)	11,381.71	15,312.16
	X0643	Operating	910,384.29		(1,179,256.47)	1,494,338.00	319,081.53	1,229,465.82	861,692.76
	X4445	Grants	1,648,484.92					1,648,487.92	269,928.11
	Totals	13,910,824.45	1,744,041.25	(1,723,462.91)	(2,039,127.20)	2,039,127.20	13,931,402.70	9,960,806.25	

MONTH	ACCT #	Account Name	STARTING VALUE	DEPOSITS	WITHDRAWALS	TRANSFERS	NET CHANGE IN VALUE	MONTH ENDING VALUE	PY MONTH ENDING VALUE
OCTOBER	X4873	Board Expense Account	91,624.82					91,624.82	91,624.82
	X4881	O&M Reserve	5,028,792.08					5,028,792.08	5,228,792.08
	X4899	Depository	4,665,020.90	3,410,269.21	(3,272.70)	(1,384,661.26)	2,022,355.15	6,667,356.15	5,990,903.10
	X9220	Depository-Keybank	1,139,424.09	173,776.28			(956,223.12)	183,200.97	423,390.17
	X4906	Payroll	117,205.41		(528,050.17)	522,871.08	(5,179.09)	112,026.32	104,235.06
	X4914	Benefits	11,381.71		(8,923.00)	5,966.00	(3,857.00)	11,024.71	14,126.50
	X0643	Operating	1,229,465.82		(2,350,034.31)	1,9			

BANK ON BUFFALO- 2643

Treasury Reconciliation FY 2021

<u>MONTH</u>	<u>STARTING VALUE</u>	<u>DEPOSITS/WITHDRAWALS</u>	<u>TRANSFERS</u>	<u>NET CHANGE IN VALUE</u>	<u>MONTH ENDING VALUE</u>	<u>PY MONTH ENDING VALUE</u>
JAN	17,503,800.30	-	-	(5,802.15)	17,497,998.15	21,632,403.94
FEB	17,497,998.15	(2,853.35)	-	2,740.10	17,497,884.90	21,678,437.43
MAR	17,497,884.90	(10,054.95)	-	8,536.63	17,496,366.58	21,793,908.42
APR	17,496,366.58	(12,723.72)	-	4,836.30	17,488,479.16	21,792,858.07
MAY	17,488,479.16	(15,283.23)	-	(3,177.87)	17,470,018.06	21,811,712.29
JUN	17,470,018.06	(3,513.77)	(2,000,000.00)	5,489.59	15,471,993.88	21,871,514.43
JUL	15,471,993.88	(10,045.37)	-	(3,982.17)	15,457,966.34	21,858,748.94
AUG	15,457,966.34	(2,818.93)	-	6,487.75	15,461,635.16	21,871,514.43
SEP	15,461,635.16	(9,399.81)	-	(2,253.55)	15,449,981.80	21,882,095.03
OCT	15,449,981.80	(2,523.62)	-	(2,488.20)	15,444,969.98	17,553,053.73
NOV						
DEC						

FY TOTAL

Wilmington Trust

BANK BALANCES-FY 2021

MONTH	ACCT #	Account Name	STARTING VALUE	DEPOSITS	Payments	Transfer to Operating	Change in Market Value	NET CHANGE IN VALUE	MONTH ENDING VALUE
JANUARY	X3250	Debt Service	6,636,484.39	669,894.03	(1,454,473.55)	-	6,569.07	(778,016.45)	5,888,467.94
	X3251	Construction	866.38	-	-	-	0.01	0.01	866.39
	X3252	Debt Service Reserve	8,741,079.26	-	-	-	29,754.06	29,754.06	8,770,833.32
	X9279	Expense Account	16,079.32	-	-	-	-	-	16,079.32
	X2722	Capital Fund Construction	2,554,504.44	-	-	-	21.70	21.70	2,554,526.14
		Totals		17,949,019.79	669,894.03	(1,454,473.55)		36,338.84	(748,240.68)
FEBRUARY	X3250	Debt Service	5,858,467.94	668,394.03	(1,500.00)	-	3,318.37	670,212.40	6,326,672.44
	X3251	Construction	866.39	-	-	-	0.01	0.01	866.40
	X3252	Debt Service Reserve	8,770,833.32	-	-	-	27,048.63	27,048.63	8,797,881.95
	X9279	Expense Account	16,079.32	-	-	-	-	-	16,079.32
	X2722	Capital Fund Construction	2,554,526.14	625,550.82	(1,586,708.36)	-	9.82	(961,147.72)	1,593,378.42
		Totals		17,200,773.11	1,293,944.85	(1,588,208.36)		30,376.83	(263,886.68)
MARCH	X3250	Debt Service	6,528,680.34	666,894.03	-	-	5,907.95	672,801.98	7,201,482.32
	X3251	Construction	866.40	-	-	-	0.01	0.01	866.41
	X3252	Debt Service Reserve	8,797,881.95	-	-	-	29,946.69	29,946.69	8,827,828.64
	X9279	Expense Account	16,079.32	-	-	-	-	-	16,079.32
	X2722	Capital Fund Construction	1,593,378.42	-	(517,937.97)	-	11.34	(517,926.63)	1,075,451.79
		Totals		16,936,886.43	666,894.03	(517,937.97)		35,865.99	184,822.05
APRIL	X3250	Debt Service	7,201,482.32	666,894.03	-	-	17,737.81	684,631.84	7,886,114.16
	X3251	Construction	866.41	-	-	-	0.01	0.01	866.42
	X3252	Debt Service Reserve	8,827,828.64	-	-	-	28,980.68	28,980.68	8,856,809.32
	X9279	Expense Account	16,079.32	-	-	-	-	-	16,079.32
	X2722	Capital Fund Construction	1,075,451.79	-	(337,629.55)	-	8.47	(337,621.08)	737,830.71
		Totals		17,121,708.48	666,894.03	(337,629.55)		46,726.97	375,991.45
MAY	X3250	Debt Service	7,886,114.16	666,894.03	(257,492.22)	-	14,544.43	423,946.24	8,310,060.40
	X3251	Construction	866.42	-	-	-	0.01	0.01	866.43
	X3252	Debt Service Reserve	8,856,809.32	-	-	-	29,927.32	29,927.32	8,886,736.64
	X9279	Expense Account	16,079.32	-	-	-	-	-	16,079.32
	X2722	Capital Fund Construction	737,830.71	598,754.30	(1,259,055.14)	-	4.97	(660,295.87)	77,534.84
		Totals		17,497,699.93	1,265,648.33	(1,516,547.36)		44,476.73	(206,422.30)
JUNE	X3250	Debt Service	8,310,060.40	666,674.70	-	-	1,803.99	668,478.69	8,978,539.09
	X3251	Construction	866.43	-	-	-	0.01	0.01	866.44
	X3252	Debt Service Reserve	8,886,736.64	-	-	-	28,955.80	28,955.80	8,915,692.44
	X9279	Expense Account	16,079.32	-	-	-	-	-	16,079.32
	X2722	Capital Fund Construction	77,534.84	2,000,000.00	(18,070.27)	-	13.20	1,981,942.93	2,059,477.77
		Totals		17,291,277.63	2,666,674.70	(18,070.27)		30,773.00	2,679,374.43
JULY	X3250	Debt Service	8,978,539.09	666,674.70	(5,303,798.55)	-	2,112.94	(4,635,010.91)	4,343,528.18
	X3251	Construction	866.44	-	-	-	0.01	0.01	866.45
	X3252	Debt Service Reserve	8,915,692.44	1,146.16	-	-	26,203.51	27,349.67	8,943,042.11
	X9279	Expense Account	16,079.32	-	-	-	-	-	16,079.32
	X2722	Capital Fund Construction	2,059,477.77	1,584,352.19	(532,567.28)	-	21.17	1,051,806.08	3,111,283.85
		Totals		19,970,655.06	2,252,173.05	(5,836,365.83)		28,337.63	(3,555,855.15)
AUGUST	X3250	Debt Service	4,343,528.18	662,805.68	-	-	3,298.88	666,104.56	5,009,632.74
	X3251	Construction	866.45	-	-	-	0.01	0.01	866.46
	X3252	Debt Service Reserve	8,943,042.11	-	-	(2,226,380.91)	23,517.46	(2,202,863.45)	6,740,178.66
	X9279	Expense Account	16,079.32	-	-	-	-	-	16,079.32
	X2722	Capital Fund Construction	3,111,283.85	-	(530,367.06)	-	24.77	(530,342.29)	2,580,941.56
		Totals		16,414,799.91	662,805.68	(530,367.06)		26,841.12	(2,067,101.17)
SEPTEMBER	X3250	Debt Service	5,009,632.74	665,805.68	(3,000.00)	-	5,009.38	667,815.06	5,677,447.80
	X3251	Construction	866.46	-	-	-	0.01	0.01	866.47
	X3252	Debt Service Reserve	6,740,178.66	-	-	-	22,741.70	22,741.70	6,762,920.36
	X9279	Expense Account	16,079.32	-	-	-	-	-	16,079.32
	X2722	Capital Fund Construction	2,580,941.56	-	(32,981.95)	-	21.18	(32,960.77)	2,547,980.79
		Totals		14,347,698.74	665,805.68	(35,981.95)		27,772.27	657,596.00
OCTOBER	X3250	Debt Service	5,677,447.80	662,805.68	-	-	7,019.75	669,825.43	6,347,273.23
	X3251	Construction	866.47	-	-	-	0.01	0.01	866.48
	X3252	Debt Service Reserve	6,762,920.36	-	-	-	23,499.77	23,499.77	6,786,420.13
	X9279	Expense Account	16,079.32	-	-	-	-	-	16,079.32
	X2722	Capital Fund Construction	2,547,980.79	-	(715,212.93)	-	16.83	(715,196.10)	1,832,784.69
		Totals		15,005,294.74	662,805.68	(715,212.93)		30,536.36	(1,418,189.89)

BANK PAID DATE	Req #	Invoice Date	PP # of #	VENDOR	Project Name	DESCRIPTION	INVOICE	AMOUNT	CIP FUNDING ACCOUNT
10/4/2021	2021-140	7/22/2021	15	AECOM	Consent Order Services	CD Services Exclusive of 11&14	2000519797	\$ 10,214.00	WWTP-4D
10/4/2021	2021-141	8/24/2021	16	AECOM	Consent Order Services	CD Services Exclusive of 11&14	2000531323	\$ 13,956.97	WWTP-4D
10/4/2021	2021-142	7/31/2021	2	CIR Electric	Basin Modifications-Phase 4A	Electrical work	43103	\$ 130,925.65	WWTP-1
10/4/2021	2021-143	8/31/2021	3	CIR Electric	Basin Modifications-Phase 4A	Electrical work	43202	\$ 18,210.08	WWTP-1
10/4/2021	2021-144	9/9/2021	3	Hohl Industrial	Basin Modifications	Basin Construction	179324-03	\$ 422,906.23	WWTP-1
10/4/2021	2021-145	4/28/2021	NA	EJ Prescott	Hydrant Replacement	6" Mech Joint Accessory Packs	5839862	\$ 1,050.00	W-1
10/4/2021	2021-146	8/27/2021	NA	Gui's Lumber	Roof Replacement	Roof replacement on Lift Station @ 81st & Frontier	293503/4 307888/4	\$ 5,310.57	S-8
10/27/2021	2021-147	5/25/2021	25	Kaman Automation	SCADA Upgrades	SCADA Upgrade-Engineering, Installation & Startup	CTR0043962	\$ 1,634.45	WWTP-10
10/26/2021	2021-148	8/9/2021	4	JM Davidson Engineering	Interior Pipe process improvement	Professional Services	21051	\$ 10,940.34	WWTP-9
10/26/2021	2021-149	6/26/2021	25	GHD	Gorge Pump Station Rehab	Reporting & Construction Administration	85323	\$ 4,336.78	WWTP-2
10/26/2021	2021-150	8/7/2021	26	GHD	Gorge Pump Station Rehab	Reporting & Construction Administration	337-0000257	\$ 5,259.05	WWTP-2
10/26/2021	2021-151	8/13/2021	1	Ferguson Electric	Electrical System Improvements	SCADA switchyard Relay	139258	\$ 7,802.35	WWTP-5
10/26/2021	2021-152	9/30/2021	1	Ferguson Electric	SCADA Upgrades	Fiber Cabling	139699	\$ 27,846.36	WWTP-10
10/26/2021	2021-153	9/8/2021	17	Arcadis of New York	WWTP project 3	Construction Administration	34253637	\$ 6,274.50	WWTP-3
10/26/2021	2021-154	8/9/2021	16	Arcadis of New York	WWTP project 3	Construction Administration	34247991	\$ 18,523.75	WWTP-3
10/26/2021	2021-155	9/30/2021	4	Arcadis of New York	WQIP Engineering Report	Engineering Report	34257387	\$ 2,380.00	S-3
10/26/2021	2021-156	6/21/2021	14	AECOM	Carbon & Support Gravel	Professional Services	2000508738	\$ 8,239.29	WWTP-4D
10/26/2021	2021-157	8/31/2018	4-Retainage	O'Connell Electric Company	Sanitary Sewer Lift Station	Standby Power Generator	66583880	\$ 17,148.56	WWTP-12
10/26/2021	2021-158	10/7/2021	1	Cooper Electric	High Lift Pumping Station Lighting	Parts	S045667523.001	\$ 966.00	WTP-1
10/26/2021	2021-159	10/7/2021	2	Cooper Electric	High Lift Pumping Station Lighting	Parts	S045667523.002	\$ 322.00	WTP-1
10/26/2021	2021-160	10/11/2021	3	Cooper Electric	High Lift Pumping Station Lighting	Parts	S045667523.003	\$ 966.00	WTP-1
							Total	\$ 715,212.93	

NFWB Live
Budget Amendments Report

From Date: 10/1/2021 - To Date: 10/31/2021

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: 10/1/2021		\$110,000.00
	10/21/2021	2021-00003291	TO COVER SPECIALIZED TECHNICIANS TO ADDRESS MAIN PUMP VFD	\$0.00	\$30,000.00	\$80,000.00
				\$0.00	\$30,000.00	\$80,000.00
0449.599 - Undesignated Services				Amended Balance as of: 10/1/2021		\$15,500.00
	10/21/2021	2021-00003291	TO COVER SPECIALIZED TECHNICIANS TO ADDRESS MAIN PUMP VFD	\$30,000.00	\$0.00	\$67,000.00
				\$30,000.00	\$0.00	\$45,500.00
Sub Department: 0100 Operations Totals:				\$30,000.00	\$30,000.00	
Department: 8130 Sewage Trtmt/Disposal Totals:				\$30,000.00	\$30,000.00	
Fund Totals: Water Board - Sewer				\$30,000.00	\$30,000.00	
Grand Totals:				\$30,000.00	\$30,000.00	



Monthly O&M Report For the Month of October 2021

1. Treatment & Plant Maintenance

1.1. Water – Robert Rowe, updated 11/15/2021.

OPERATIONS AND MAINTENANCE

Total water production for the month of October was 587 million gallons. The average daily water production was 18.9 million gallons. The plant data summary table is included below for your reference.

2021 TOTALS AND AVERAGES

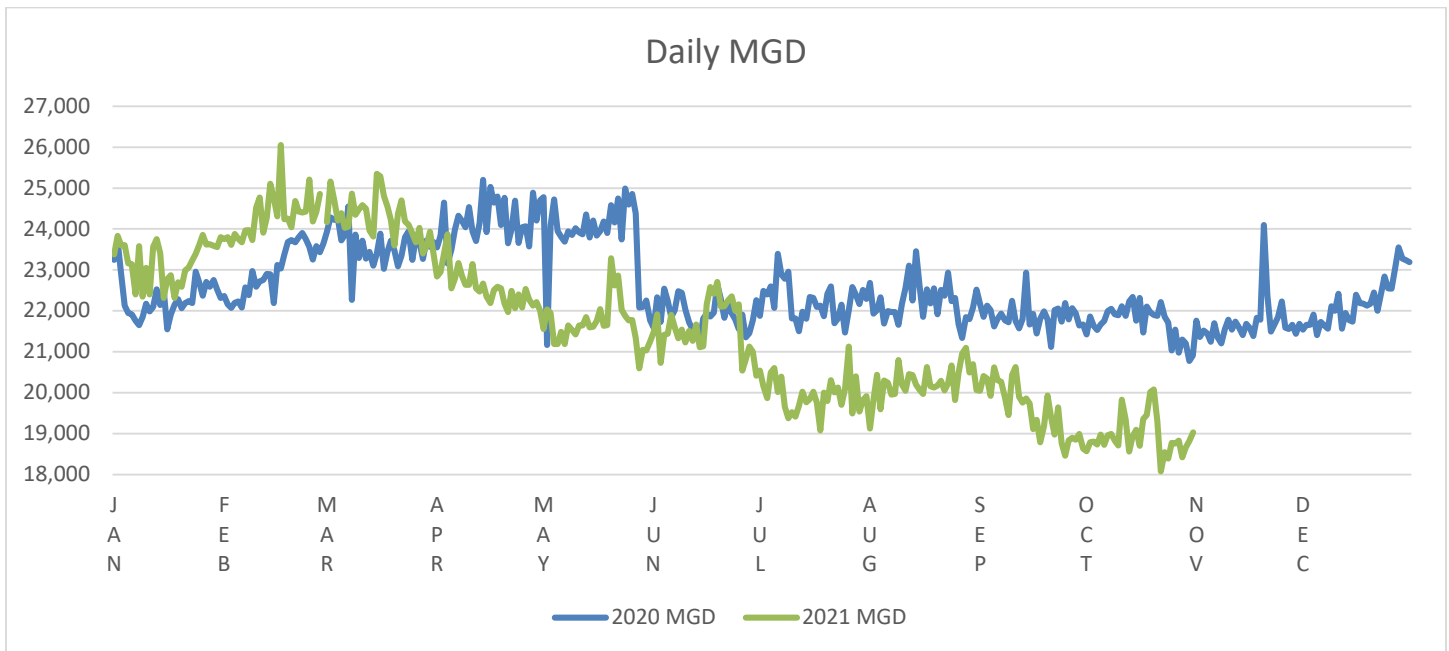
	R/W	PRE CL2	PACL	H2SiF6	PO4	POST CL2	F/W 1000 GAL/ DAY
	PUMPAGE	LBS	LBS	LBS	LBS	LBS	
JAN	719125	6987	157000	18691	1968	3939	23198
FEB	681002	6389	150200	18097	1847	3998	24322
MAR	752361	7210	177400	19096	1994	4684	24270
APR	677021	6706	129000	15693	1746	4322	22567
MAY	672042	7449	120700	15869	1819	4293	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	0	0	0	0	0	0	0
DEC	0	0	0	0	0	0	0
TOTAL	6569807	77744	1240600	153503	17941	40052	216339



FOR COMPARISON: 2020 TOTALS AND AVERAGES

	F/W	PRE CL2	PACL	H2SiF6	PO4	POST CL2	F/W 1000 GAL/ DAY
	PUMPAGE	LBS	LBS	LBS	LBS	LBS	
JAN	691945	7205	131000	16189	1891	4034	22321
FEB	666612	6664	122800	15907	1846	4169	22987
MAR	731884	7609	131400	17442	2053	4478	23609
APR	725504	8039	135500	17675	2121	4428	24183
MAY	738265	8462	130200	18122	2099	4565	23815
JUN	657717	8481	129100	16749	1755	4280	21924
JUL	689194	9709	158000	17736	1912	4492	22232
AUG	689025	10707	156100	18731	1949	3798	22227
SEP	656138	9352	139100	16674	1883	3643	21871
OCT	673130	8665	140100	17134	1910	3389	21714
NOV	651028	8449	140100	16533	1802	3160	21701
DEC	688777	7688	146800	17533	1873	3338	22219
TOTAL	8259219	101030	1660200	206425	23094	47774	270802

Chart Comparing Daily Finished Water Flows, 2020 Versus 2021





2021 ANALYTICAL RESULTS

	RAW TURB	RAW pH	PRE Cl2 RES.mg/l	POST Cl2 RES.mg/l	EFF TURB NTU	EFF pH	F. RES mg/l
JAN	8.8	8.1	0.63	1.23	0.023	7.6	0.72
FEB	7.3	8.1	0.57	1.23	0.020	7.5	0.72
MAR	5.8	8.1	0.56	1.24	0.015	7.5	0.71
APR	3.3	8.1	0.54	1.23	0.013	7.5	0.68
MAY	2.5	8.0	0.55	1.24	0.019	7.5	0.73
JUN	0.7	8.0	0.55	1.23	0.025	7.6	0.69
JUL	4.1	8.1	0.52	1.25	0.029	7.6	0.67
AUG	0.8	8.2	0.54	1.25	0.037	7.7	0.69
SEP	0.8	8.1	0.56	1.24	0.025	7.6	0.68
OCT	0.8	8.1	0.54	1.21	0.028	7.6	0.69
NOV							
DEC							
AVG	3.5	8.1	0.56	1.24	0.023	7.6	0.70

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.

*Drawings have been completed and submitted to Dept. of Health for approval.

We were on our last leg with the Freeze Thaw Beds, working with outside crews as weather permits to pile and dry at least one bed for hauling the solids ASAP.

*With the help of Mike Eagler and his crews, including Operations' own Mike Janese, we were able to consolidate the solids from two full beds into one bed, allowing us to place the empty bed into service and maintain compliance with our SPDES permit.

We are currently awaiting the final lab work for approval to haul the solids to Modern Corp.

*Results received, awaiting scheduling with Modern Corp and outside crews for hauling. Hauling has been started, and will likely finish in November.

We completed a Load Bank Test on our Emergency Generators and successfully ran them for a full day to accomplish preventative maintenance on our main power breakers (PM work done by Ferguson Electric.)



1.2. Wastewater – Bob Dunn, Chief Operator- updated 11/09/2021.

Non-Compliance Violations: None in October, a report of noncompliance was provided to the NYSDEC on October 28th for a violation of the SPDES permit level for Beta BHC that occurred in September.

Sampling notes: None

OPERATIONAL and MAINTENANCE- Highlights

Project #1 – Sedimentation Basin and Screening rehab. Chain and flights are being assembled on Basin #5. The new weirs have arrived for the sedimentation basins, uncertain when they will begin prepping for the installation. Scum well has been cleaned out and the pumps are set to be installed in the dry well with associated piping extending into the wet well side which will allow the scum material inside the wet well to be pumped to the new screening unit. Platform work on the drive end of the basin is being constructed.

Project #2 - Gorge Pumping Station Rehab. The second approach channel sluice gate has been installed. The second grinder has been removed and replaced with the new grinder. Work to remove the sluice gate separating wet wells 2 &3 is still underway with the old gate just about removed and the new gate on hand and ready for installation. Once the new gate is installed the diver team will be back in to remove the steel plate from the back side of the sluice gate.

Project #3 – Poly, Grit conveyor and BFP controls. Items are being mocked up in the Poly room in preparation of the installation of that equipment for the initial set on the Belt Filter Press side and also the primary side. Housekeeping pads will be getting formed and poured in the beginning part of November.

Project #5 – Electrical. Has been rebid with no successful bidders. Plans to be made as to the direction we proceed.

Project #7 – Still awaiting next step to begin construction. Some minor progress has been made. Hopefully construction will begin in the very near future.

Project #9 &11 – Inside/Outside piping. Core drilling has taken place to facilitate the new sludge lines out back. Construction teams are gearing up out front to dig the trench and start placing sticks of pipe in the hole. Manholes have been removed and the new ones are on site ready for installation.

Project #10 – Kaman (Over all controls). Kaman is currently working on some controls for the Belt Filter Press project as well as the Polymer controls. No other changes to their workload as of now.

All and all Plant conditions are very well with excellent work being done by all departments.



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	1203.0	372.0	1753.0	3854.0	25100	82.4		744630	15.8
November														
December														
Totals	24.18	43.15	12.11	1.8	13.2	18544.0	5346.0	27313.0	35760.0	231060	800.0	6950	6046000	280.5

Explanation of data abbreviations:

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

2020 Data for Comparison Purposes

WASTEWATER TREATMENT PLANT OPERATING DATA														
2020	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	2.8	2421.0	643.0	3664.0	4398.0	27380	121.8	0	367350	88.5
February	28.21	40.68	13.30	2.2	2.2	2407.0	645.0	3502.0	4453.0	25990	110.3	0	382270	63.6
March	30.34	44.14	14.18	2.2	2.3	2241.0	603.0	3007.0	4577.0	28140	83.2	0	576380	28.3
April	28.86	42.86	13.41	2.1	2.6	1869.0	520.0	2985.0	4566.0	28647	90.6	0	415530	23.5
May	25.97	39.11	12.77	2.0	2.3	1520.0	408.0	2758.0	4382.0	26220	75.1	0	445580	15.5
June	21.28	38.59	14.24	1.9	2.3	1967.0	524.0	3305.0	4115.0	24120	108.4	0	478980	74.6
July	20.64	36.86	13.87	2.1	1.7	1673.0	457.0	3371.0	3725.0	21800	88.1	0	588800	26.4
August	19.48	33.53	11.81	2.2	1.5	1753.0	473.0	3920.0	3846.0	23000	113.2	0	692042	6.2
September	18.93	33.15	11.48	2.2	0.9	1426.7	430.0	2768.0	3806.4	21020	122.4	0	508210	16.1
October	20.37	31.72	10.91	2.1	2.4	1712.0	514.0	3314.0	4102.0	23980	107.9	0	671750	5.7
November	19.39	30.74	8.64	2.0	1.0	2208.0	693.0	3663.0	3477.0	20710	116.7	0	600580	9.6
December	24.68	39.05	12.20	2.2	2.0	2555.0	711.0	3207.0	4826.0	26665	58.5	0	370865	25.9
Totals	24.19	37.65	12.53	2.1	24.0	23752.7	6621.0	39464.0	50273.4	297672	1196.2	0	6098337	383.9



2.1. Sewer Collection & Water Distribution Michael Eagler, updated 11/12/2021

Sewer Collections System										
2021	Service Calls	Flushing (Feet)	UFPO Responses	Receivers Cleaned	Bypass Pumping (Hours)	Catch Basins	Man Holes	Main	Connections	Lateral
January	83	30402	576	177	12.10	4	2	0	5	0
February	101	21075	368	79	0.00	3	4	0	1	2
March	157	5271	826	203	0.00	2	3	1	2	0
April	178	23939	1061	121	0.00	6	5	2	4	2
May	90	31926	867	186	0.00	6	4	6	6	5
June	107	87207	694	67	0.00	2	0	7	2	7
July	85	24536	690	109	280.90	2	3	7	3	7
August	51	15690	629	149	2.40	5	6	1	1	1
September	46	19270	729	160	20.55	3	2	1	3	1
October	50	20983	680	205	39.76	2	3	2	2	1
November										
December										
Totals	948	280299	7120	1456	355.71	35	32	27	29	26

Water Distribution													
2021	Main Breaks	Service Leaks	Curb Box Reset	Valve Repaired	Valve Replaced	Hydrant Replaced	Hydrant Repaired	Hydrant Flow	Hydrant Flush-Winterized	Hydrant Leaks	Hydrants out of Service	Misc. Service Calls	Concrete
January	8	9	9	3	3	7	6	0	329	0	0	83	3
February	10	8	7	0	0	2	1	0	368	0	0	101	11
March	6	13	5	9	7	7	1	0	510	0	0	157	19
April	10	14	12	1	5	9	1	0	439	0	0	128	7
May	6	9	13	1	1	9	1	22	0	0	0	90	14
June	10	14	11	1	8	9	1	31	0	0	0	107	20
July	0	3	6	1	1	7	5	13	0	0	0	85	5
August	4	14	11	5	1	9	3	23	0	0	0	51	24
September	10	6	4	3	4	5	6	26	0	0	0	46	7
October	2	11	4	6	11	1	5	50	116	0	0	50	17
November													
December													



3. Analytical Services

3.1 Water Laboratory –Jordan Boyd, updated 11/9/2021

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

- October 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). One Sample on 10/6/21 required follow up analysis. Those results were satisfactory. The remainder of the samples were within reporting limits.

2. In-house/DEC Monitoring

- All in-house monitoring for bacteriology and water chemistry have been within normal limits.
- The monthly SPDES sample collected from the freeze thaw bed was within normal limits.
- Samples analyzed for 2021: 12,232.
- No water main breaks or community complaints were sampled in October.

3. Laboratory Concerns

- The Laboratory also analyzed 9 samples for Total Organic Carbon and 9 required Wet chemistry analysis for City of Lockport and Town of Tonawanda, as well as 3 wet chemistry samples from the Village of Lewiston, and 1 Total Suspended Solids sample from Niagara County.
- The microbiology lab analyzed 16 samples from the Aquarium of Niagara's indoor and outdoor pools as well as 3 samples from the Village of Lewiston. All results were reported to the representative contacts.
- Revenue created to date is \$26,135.

3.2 Wastewater Laboratory - Brian Eldridge 11/16/2021

1. The data for October's State Pollutant Discharge Elimination System (SPDES) report is currently being compiled with no anticipated violations.
2. The last quarter WET testing will be completed in November. All results have been well below permit limits for the previous 3 quarters.



4. Customers & Compliance

4.1. Meter Shop – Bob Reid Updated 11/9/21

MONTH:	WORK ORDERS	STOPPED METERS	Registers Replaced	SCRAPPED METERS	INDUSTRIAL METERS READ	RESIDENTIAL METERS READ
JANUARY	115	0	12	0	0	7191
FEBRUARY	91	2	9	0	0	5264
MARCH	125	1	7	0	565	5473
APRIL	90	0	4	0	0	7191
MAY	101	3	6	0	0	5260
JUNE	108	3	8	0	565	5453
JULY	110	4	4	0	0	7191
AUGUST	93	0	7	0	0	5253
SEPTEMBER	92	5	8	0	565	5451
OCTOBER	120	4	4	0	0	7192
NOVEMBER						
DECEMBER						
TOTAL	1055	23	69	0	1130	53658

METER READINGS:

DISTRICT 2	B.REID	M.MACRI	V.Virtuoso	J.PAUL	F.DERUBEIS	TOTAL
10/1/21	951	980				1931
10/4/21	2120	1547				3667
10/5/21	793	787				1580
10/6/21				14		14
TOTAL	3864	3314		14		7192
NR Reads						
10/28/21	29					29
TOTAL	3893	3314		14		7221

Shop read 7192 residential meters for the month.. Also obtained 29 NR reads and continued testing large meters on Wednesday's.

4.2. Industrial Monitoring / Enforcement – Joel Paradise updated 11/15/2021

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

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



SIU Updates:

1. All SIU (Significant Industrial User) whose discharge permits nearing expiration in the next several months have been sent their renewal applications for our review and eventual reissuance of their NFWB wastewater discharge permit. This is an ongoing and continuing process.
The Cross Connection Inspectors work of conducting his inspections as a function of building sales, monitoring the annual tests results of all back flow prevention devices, along with updating our database and filing/archiving the hard copies has been progressing on schedule.
2. SIU discharge permits are being continually updated using the most recent data generated by Steve Stewart to verify / adjust discharge limits.
3. The RFP for the Local Limits re-evaluation will be released in early 2021. 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. The RFP will be released in early 2021 and barring the cost of the study exceeding available funds, a local limits evaluation will be completed in 2021.
4. The Industrial Pretreatment Program's submission of the Annual IPP Report to the EPA with a copy to the DEC was mailed out on schedule on January 26th, 2021. It was acknowledged as received by both parties. We have not received a response as of 6/7/2021. **UPDATE:** On Monday July 11,2021 we received the EPA with comments. Those comments will be addressed. Subsequent calls the between the NFWB and the EPA determined that the items in question can be resolved when the 2021 Annual Report is submitted in early 2022.
5. A proposal was received on 3/8/2021 to add a low volume non-hazardous waste stream to SIU permit #76, Chemours Company FC LLC, Necco Park (Necco Park). Necco Park submitted the sampling of the waste stream to us as requested. Those results indicated a relatively innocuous non-hazardous waste stream that nothing in the results would preclude us from accepting the addition of the stream to SIU permit #76. A verification sample was collected on 4/21/2021 by the IPP group for our evaluation. Those results mirrored Chemours results. They must now submit a discharge permit modification request along with the \$250.00 fee to review such a request. (continued)
6. The process of archiving the Industrial Pretreatment Program files, which is done every 2 years, began the week of 4/5/2021 and was completed the week of 5/3/2021. Arrangements are being made to have them stored at the WTP.
7. Second quarter SIU quarterly reports due on May 31, 2021 have all been received. They are being logged, reviewed, checked for discharge permit compliance and passed on to Steve Stewart to update the MAIL/RAIL tables.
8. On Friday, June 4, 2021, Rob Locey from the DEC called to report that the DEC has begun an investigation of odor issues emanating from Cascades. The Water Board shared our experiences with compliance issues and conducted our inspection of the facility regarding the odor issues on Monday, June 7, 2021. Rob will keep us apprised of the situation.
9. Tuesday, June 8, 2021- the quarterly BHC sampling was successfully conducted without incident.



Industrial Monitoring / Enforcement 11/15/2021 (continued)

10. Regarding Cascades, the Water Board and DEC have held several meetings with Cascades concerning the progress of their WWTP. They have been made amply clear that it is imperative that they get the treatment plant operating as designed as soon as possible. The process of getting the treatment plant operating as designed is multifaceted requiring many individual process changes. Cascades has been required to give the Water Board daily detailed progress reports each Friday and analysis of their discharge to the Water Board daily. We are closely monitoring the progress and we have also been at their site daily. We are in constant contact with Cascades and receive weekly updates each Friday. On Saturday 9/11/2021 the reactor was shutdown to affect an internal repair. If the repairs go as planned, it will go a long way toward getting their WWTP functioning as designed and back in compliance with their discharge permit. We are in the process of drafting an Order on Consent with advice being solicited from the DEC and EPA. Met with Cascades and Greenpac officials for an extensive update. Agreed to meet later this week / next week to discuss the 3rd Q^t sewer bill.

11. The quarterly mercury sampling in the collection system was completed as required on Wednesday 10/6/2021.

12. The quarterly BHC collection system was completed on November 2nd, 2021 but those samples will have to be recollected because of interference observed while doing the analysis.

13. The SIU 4th quarter Quarterly Reports due no later than November 30th, 2021 have started to arrive.

14. Began the process of combining the SIU discharge permits issued to Cascades and Greenpac as recommended by the USEPA.

15. Began gathering information for the "Industrial survey" being conducted at 10 SIUs/CUIs by John Goeddertz.

5. Support Services

5.1. Safety – AFI Environmental (Pat Ackerman) 11/16/2021

- Created Cold Stress – Protection while working in Cold Environments training PowerPoint with WNYCOSH
- Performed Cold Stress – Protection while working in Cold Environments training at the WTP and WWTP
- Reviewed Project 9 HASP regarding possible Asbestos Materials and regulatory requirements
- Updated Emergency Response Plan (ERP)
- Performed routine EHS walkthrough's at WWTP



6. Technical Services – Doug Williamson, updated 11/9/2021

1. **Hazard Mitigation Grant Program HMGP Project No.4204-0003:**

We finally executed the contract agreement between the NYS DHSES and the NFWB on September 29th in order to receive reimbursement for costs incurred during the Phase II WWTP Protective Measures contract 68. The HMGP 4204-0003 Niagara Falls Water Board- FY2021 Q4 Report was submitted on October 13th along with a reimbursement request.

2. **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. We are hoping to receive 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. We were currently planning on beginning this work starting in 2021. We are also hoping to receive the NYSDEC WQIP grant of \$885,000 that was submitted on 7/30/21 for the construction improvements recommended by this engineering report.

3. **NYSDEC Consent Order (R9-20170906-129) WWTP Phase I and II Projects:**

In October, we continued to support CPL and the design consultants on the WWTP Phase I and II projects. Monthly design and construction progress meetings were held for ongoing projects.

Project 1 Sedimentation Basins and Scum Collection System Modification – A progress meeting was not held in October. Construction at sedimentation basin no.5 is ongoing.

Project 2 GPS Rehabilitation - A progress meeting was not held in October. Construction is ongoing.

Project 3 Screenings and Grit Transport Equipment Improvements – progress meeting was held on October 5th. Construction is ongoing.

Project 5 Electrical System Improvements – substation grounding and stoning and 480 V breaker retrofit projects are moving forward.

Project 7 Replacement of Critical Heating & Ventilation Equipment – HVAC and Electrical construction will not commence until next year due to equipment delivery lead times.

Project 9 Interior Piping Improvements construction work started in September and is ongoing.

Project 11 Exterior Piping Improvements construction work started in September and is ongoing.

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

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



6. Continued

The WWTP chlorine dioxide study pilot operations and testing was completed in September and data was compiled for the report in October.

Submitted dispute for NYSDEC regulatory fees for WWTP SPDES Permit on October 4th.

A report of noncompliance was provided to the NYSDEC on October 28th for a violation of the SPDES permit level for Beta BHC that occurred in September.

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

In October, we continued addressing corrective actions due to the Notice of Violation from the NYSDEC for the WWTP Chemical Bulk Storage (CBS). The Sulfuric Acid tank #213 was drained. The Hydrogen Peroxide tank #211-A transfer station pad was recoated.

6. **RFP 2020-04 Design Report for Improvements in WWTP Processing, Handling and Disposal of Sludge**

In October, there was no progress with GHD on the design report.

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

In October, the Fall of 2021 Town of Niagara sewer flow monitoring (4-week period) was completed on October 11th, 2021. The total average flows for 2021 were provided to the Town of Niagara on October 13th. We are looking into renegotiating the Agreement in early 2024.

8. **Stormwater Management**

The WNYSC did not meet in October.

9. **Engineering Support**

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

10. **Capital Improvement Projects:**

In October, the **5 Year Capital Improvement Plan** and projects continued to be evaluated, updated and reviewed as needed with NFWB staff. We continued to discuss Grant Opportunities and Applications for NFWB Capital Improvement Projects with CPL.

Water Projects

In October, CPL continued design work and has been trying to obtain record drawings from City Engineering for the Whitney Avenue and 77th Street watermain replacement projects.

We reviewed the North Military Road Reconstruction & Cayuga Drive Resurfacing Utilities - City of Niagara Falls preliminary plans from Urban Engineers and provided comments to the City.



6. Continued

We are still working with the City of Niagara Falls engineering department to receive the Engineering Hold items to close out EFC Project No.18435 Bollier Avenue.

A list of water projects was developed for the WIIA Grant application due by November 22, 2021.

Sewer Projects

A list of sewer projects was developed for the WIIA Grant application due by November 22, 2021.

WTP Projects

In October, the pre-bid meeting for the WTP RFP for HVAC Improvements was held. The bid opening will be on November 9th at 2 pm.

A grant application was submitted for WTP Fluoride Improvements on October 1st.

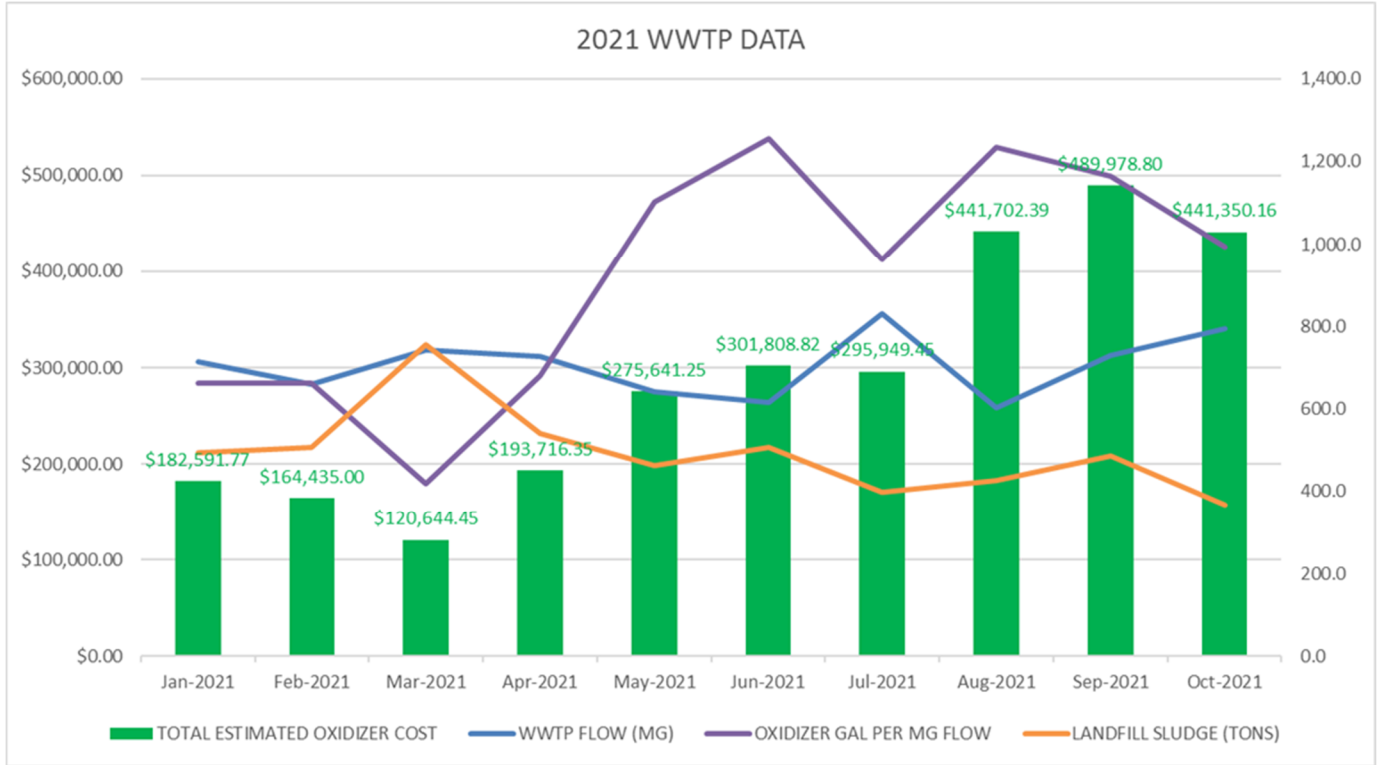
WWTP Projects

In October, the WWTP Intermediate Pumps and Check Valve upgrades RFP was completed and is ready to advertise.

Met with Buffalo Niagara River Keepers on October 6th to discuss funding for WWTP projects.



6. Continued



2021 OXIDIZER BUDGET

BUDGET =	\$2,050,000.00	for year	
COST =	\$2,907,818.42	to date	
% USED =	141.84%	to date	
BUDGET =	\$5,616.44	per day avg.	\$170,833.33 per month avg.
COST =	\$9,565.19	per day avg.	\$290,781.84 per month avg.
	23.2	Flow (MGD)	304 total days





WWTP DATA		OXIDIZER USAGE				SLUDGE REMOVAL			
MONTH	FLOW (MG)	H2O2 (GAL)	NaOCI (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									
Dec-2021									
TOTALS	7,061.3	6,020	6,140,490	914	\$2,907,818.42	4,949.9	99.7	420.3	725.8

Low value for year
High value for year

2020 Oxidizer Figures for Comparison:

2020 OXIDIZER BUDGET

BUDGET = \$2,050,000.00 for year

COST = \$2,886,037.18 to date

% USED = 140.78% to date

BUDGET = \$5,601.09 per day avg. \$170,833.33 per month avg.

COST = \$7,885.35 per day avg. \$240,503.10 per month avg.

24.1 Flow (MGD) 366 total days



WWTP DATA		OXIDIZER USAGE				SLUDGE REMOVAL			
MONTH	FLOW (MG)	H2O2 (GAL)	NaOCI (GAL)	GAL PER MG FLOW	TOTAL ESTIMATED COST	LANDFILL SLUDGE (TONS)	SOLIDS THROUGH PUT (%)	FERRIC CHLORIDE (TONS)	LIME (TONS)
Jan-2020	996.3	0	362,710	387	\$164,307.63	608.7	99.5	51.4	106.1
Feb-2020	790.4	0	351,310	447	\$159,143.43	613.6	99.1	45.1	105.3
Mar-2020	940.5	0	580,170	623	\$262,817.01	573.4	92.2	52.9	80.8
Apr-2020	862.6	0	408,380	477	\$184,402.71	508.0	106.9	51.7	90.2
May-2020	798.2	0	445,470	566	\$203,175.03	395.5	106.8	49.1	76.2
Jun-2020	638.4	0	470,810	748	\$213,276.93	503.2	113.2	43.9	102.6
Jul-2020	640.1	0	588,800	923	\$266,726.40	389.3	92.8	40.9	88.3
Aug-2020	604.9	0	693,873	1159	\$314,324.47	441.7	86.9	43.8	101.3
Sep-2020	567.8	0	513,800	921	\$232,751.40	432.9	131.9	39.0	76.8
Oct-2020	630.9	0	671,750	1074	\$304,302.75	462.7	94.0	45.0	92.5
Nov-2020	581.7	0	600,560	1102	\$272,053.68	626.0	100.0	37.0	111.2
Dec-2020	765.1	0	681,580	922	\$308,755.74	595.4	76.2	40.5	106.6
TOTALS	8,816.8	0	6,369,213	779	\$2,886,037.18	6,150.5	97.7	540.1	1,137.9

Low value for year
High value for year



7. SECURITY REPORT—Bill Wright 11/10/2021

No WWTP security incidents were reported in October; the guards continue to screen contractors and visitors regarding COVID-19 and to restrict plant access.

8. INFORMATION TECHNOLOGY (I.T.) 11/16/2021

VMware Environment – Joe - No issues to report.

New World Cloud – Joe - No issues to report, New World has been up since we went live without any incidents.

Exchange Office 365 – Joe - No issues to report.

Network WTP – Joe - All systems up. Finalized project, working closely with A2k to begin preparations to complete the network upgrades.

Network WWTP – Carl - All systems up.

Network Gorge – Carl - All systems up.

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

GPS – Carl- Joe – No issues to report.

Security Camera's – Bill-Clayton- Please refer to Bill/Clayton for additional information as cameras are located at WWTP.

Lucity 2018 – Carl - Software Upgrade 2021 – Will schedule and work with Lucity support to upgrade from version 2018 to build 2021.

NIAGARA FALLS WATER BOARD RESOLUTION # 2021-11-001

**GRANTING THE STATE OF NEW YORK AUTHORITY
TO PERFORM AN ADJUSTMENT OF NIAGARA FALLS WATER BOARD
FACILITIES AND AGREEMENT TO MAINTAIN FACILITIES
ADJUSTED VIA THE STATE-LET CONTRACT, PIN 5815.41, C264698**

WHEREAS, the New York State Department of Transportation proposes a construction, reconstruction, or maintenance project named “Highway Rehabilitation Project NY Rt. 61 (Hyde Park Blvd.) from BIN 1060190 to NY Rt. 104, SH 60-11, 58-21, 58-24, City of Niagara Falls, and Towns of Niagara and Lewiston, Niagara County,” project identification number (“PIN”) PIN 5813.48, D264698; and

WHEREAS, the State will include as part of the construction, reconstruction, or improvement of the above-mentioned project adjustments to the Water Board’s facilities that are presently located in the New York State Right-of-Way, specifically adjustment of manhole cover and valve box elevations, pursuant to Section 10, Subdivision 24, of the State Highway Law, as shown on the contract plans relating to the project and meeting the requirements of the Water Board; and

WHEREAS, the service life of the relocated and/or replaced utilities has not been extended; and

WHEREAS, the State will provide for the reconstruction of the above-mentioned work, as shown on the contract plans relating to the above-mentioned project;

NOW THEREFORE BE IT

RESOLVED, that the Niagara Falls Water Board approves the work to be done and the above-mentioned work to be performed on the project and shown on the contract plans relating to the project and that the Niagara Falls Water Board will maintain or cause to be maintained those of its facilities which are adjusted as above-stated and as shown on the contract plans; and

BE IT FURTHER RESOLVED, that the Water Board’s Director of Technical and Regulatory Services has the authority to sign, with the concurrence of the Board of Directors, any and all documentation that may become necessary as a result of this project as it relates to the Niagara Falls Water Board; and

* CONTINUED ON NEXT PAGE *

BE IT FURTHER RESOLVED, that the secretary to the Niagara Falls Water Board is hereby directed to transmit five certified copies of the foregoing resolution to the New York State Department of Transportation.

Water Board Personnel Responsible for Implementation of this Resolution:
 Director of Technical and Regulatory Services

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

On November 22, 2021, the question of the adoption of the foregoing Resolution was duly put to a vote on roll call, which resulted as follows:

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

Signed By:

Vote Witnessed By:

 Nicholas J. Forster, Chairman

 Sean W. Costello, Secretary to Board

CERTIFICATION

I, Sean W. Costello, duly appointed and qualified as General Counsel and Secretary to the Niagara Falls Water Board, do hereby CERTIFY that the foregoing resolution was adopted at a meeting duly called and held in the office of the Niagara Falls Water Board, a quorum present on the 22nd day of November 2021, and that said copy is a true, correct and compared copy of the original resolution so adopted and that the same has not been revoked or rescinded.

WITNESSETH, my hand and seal this ____ day of November 2021.

 Sean W. Costello, General Counsel and
 Secretary to the Board



October 20, 2021

Douglas S. Williamson, P.E
Director of Tech. and Reg. Services
Niagara Falls Water Board
5815 Buffalo Avenue
Niagara Falls, New York 14304

**RE: HIGHWAY REHABILITATION PROJECT NY RT 61 (HYDE PARK BLVD.)
FROM BIN 1060190 TO NY RT 104, SH 60-11, 58-21, 58-24
CITY OF NIAGARA FALLS, AND TOWNS OF NIAGARA AND LEWISTON
NIAGARA COUNTY
PIN 5814.41, D264698**

Dear Mr. Williamson:

Enclosed is an electronic copy of the proposed contract plans for the above-referenced project. The Niagara Falls Water Board has existing facilities within the project limits. The Niagara Falls Water Board’s involvement in this project consists of the adjustment of manhole cover and valve box elevations. The details of the adjustment are shown in the project plans included with this letter.

Also enclosed are the Utility Work Agreement (HC-140) and the Coordination with the Utility Schedule Note. Each of the four (4) HC-140 forms must be duly approved by an authorized representative of the Niagara Falls Water Board. **Work included in the State’s contract and performed by the State contractor will be done at no expense to the Niagara Falls Water Board.**

The HC-140 agreement requires four (4) copies of a Standard Certified Resolution by your governing body. Enclosed is a sample of the Standard Certified Resolution for this agreement. The resolution is required before the agreement can be approved by the Niagara Falls Water Board. Each copy of the resolution must be signed and have a seal affixed to it.

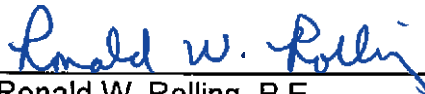
Please return the four (4) original signed sets of the HC-140 agreement, Coordination with the Utility Schedule Note, and Certified Resolution, to: NYSDOT, Attn: Regional Utilities Unit, 100 Seneca Street, Buffalo, New York 14203. **Please return these no later than November 26, 2021.** One (1) copy of the executed agreement will be returned for your records.

Douglas S. Williamson, P.E.
PIN 5814.41
October 20, 2021
Page 2 of 2

Any questions regarding the work to be done can be directed to Keith Gawronski, Design Job Manager, at (716) 847-3757 or via e-mail at Keith.Gawronski@dot.ny.gov. Questions regarding these forms can be directed to Mr. Ronald Rolling, Regional Utility Engineer, at (716) 847-3954 or via e-mail at Ronald.Rolling@dot.ny.gov.

Sincerely,

Renjit P. James, P.E.
Acting Assistant Regional Design Engineer

By: 
Ronald W. Rolling, P.E.
Regional Utility Engineer

RPJ/RWR/AJP/KJM/jlg

Enclosures: Project Plans, Utility Work Agreement (HC-140), Coordination with the Utility Schedule Note, and Standard Certified Resolution sample

Resolution Granting the State of New York Authority to Perform the Adjustment for the Owner and Agreeing to Maintain Facilities Adjusted Via State-let Contract

RESOLUTION

Resolution # _____

WHEREAS, the New York State Department of Transportation proposes the construction, reconstruction, or improvement of **state project name from cover letter** in the **name of municipality** located in **county name** county, PIN **enter PIN**, and

WHEREAS, the State will include as part of the construction, reconstruction, or improvement of the above mentioned project the **work to be done** pursuant to Section 10, Subdivision 24, of the State Highway Law, as shown on the contract plans relating to the project and meeting the requirements of the owner, and

WHEREAS, the service life of the relocated and or replaced utilities has not been extended, and

WHEREAS, the State will provide for the reconstruction of the above mentioned work, as shown on the contract plans relating to the above mentioned project.

NOW, THEREFORE,

BE IT RESOLVED: That the **name of municipality** approves of the **work to be done** and the above mentioned work performed on the project and shown on the contract plans relating to the project and that the **name of municipality** will maintain or cause to be maintained the adjusted facilities performed as above stated and as shown on the contract plans.

BE IT FURTHER RESOLVED: that **name** has the authority to sign, with the concurrence of the **board**, any and all documentation that may become necessary as a result of this project as it relates to the **name of municipality**, and

BE IT FURTHER RESOLVED: That the clerk of the **name of municipality** is hereby directed to transmit five (5) certified copies of the foregoing resolution to the New York State Department of Transportation.

Moved By:
Seconded By:
Vote:

I, _____, duly appointed and qualified _____, do hereby CERTIFY that the foregoing resolution was adopted at a meeting duly called and held in the office of _____, a quorum being present on the _____ day of _____, and that said copy is a true, correct and compared copy of the original resolution so adopted and that the same has not been revoked or rescinded.

WITNESSETH, my hand and seal this _____ day of _____

Name, title

Instructions: fill in the red prompts with information from the cover letter.

**NEW YORK STATE DEPARTMENT OF TRANSPORTATION
UTILITY WORK AGREEMENT**

Since the construction, reconstruction, or maintenance of the transportation project described below, identified as:

Project Identification No.: 5814.41	F.A. Project No.:
ROW Declaration No.:	Map Nos.:
Parcel Nos.:	County of Niagara
Contract No.: D264698	

<p>Project Description: Highway Rehabilitation Project NY RT 61 (Hyde Park Blvd.) From BIN 1060190 to NY RT 104, SH 60-11, 58-21, 58-24 City of Niagara Falls, and Towns of Niagara and Lewiston Niagara County</p> <p>Municipality, Reimbursable by Items and Labor Exchange (ILE)</p>

necessitates the adjustment of utility facilities as hereinafter described, the owner, **Niagara Falls Water Board**, of said facilities herewith agrees with the State of New York acting through the Commissioner of Transportation that this agreement shall apply to the accommodation of these utility facilities. Any adjustment of said facilities will be accomplished under the terms of this agreement, in accordance with the Rules and Regulations Governing the Accommodation of Utilities within the State Highway Right-of-Way, in compliance with the attached Special Note, "Coordination with the Utility Schedule", and in accordance with the contract plans, specifications, proposal, amendment(s) or change order(s).

I. Existing Facilities (describe type, size, capacity, location, etc.)

Niagara Falls Water Board has existing:

1. Existing sanitary sewer within highway boundary of NY Route 61 (Hyde Park Blvd.)
2. Existing water lines within highway boundary of NY Route 61 (Hyde Park Blvd.)

presently located on **NY State Right-of- Way** as shown on the plans for the proposed transportation project are to be adjusted as follows: (describe type, size, capacity, location, etc.)

1. Adjustment of manhole cover elevations
2. Adjustment of valve box elevations

per contract documents

for an estimated \$ N/A

**NEW YORK STATE DEPARTMENT OF TRANSPORTATION
UTILITY WORK AGREEMENT**

II. Financial Responsibility (check appropriate boxes):

- The facilities to be adjusted under the terms of this agreement are subject to Section 52 of the State Highway Law, and the cost of this adjustment is the sole responsibility of the owner.
- Subdivision 24 of Section 10 of the State Highway Law enables the Commissioner of Transportation to provide, at the expense of the State, for adjustment to a municipally owned utility when such work is necessary as a result of State highway work. (Municipal Agreement if required.)
- Subdivision 24-b of Section 10 of the State Highway Law enables the Commissioner of Transportation to participate in the necessary expenses incurred for adjustment of privately, publicly, or cooperatively owned facilities, municipal utility facilities, or facilities of a corporation organized pursuant to the State Transportation Corporations Law. (Privately Owned Property Agreement or Reimbursement Agreement required.)
- Subdivision 27 of Section 10 of the State Highway Law enables the Commissioner of Transportation, upon the request of a municipality, to perform for and at the expense of such municipality specified work to be included within a State-let contract. (Betterment Resolution required.)
- Subdivision 33 of Section 10 of the State Highway Law enables the Commissioner of Transportation, upon the request of a public utility corporation, to perform for and at the expense of such public utility corporation specified work to be included within a State-let contract.
- Subdivision 13 of Section 30 of the State Highway Law enables the Commissioner of Transportation to enter into an agreement to reimburse with public funds the owner for necessary expenses incurred as a result of this adjustment, or to replace the facilities in kind.
- The owner will develop and keep a record of costs in accordance with the New York State Department of Transportation (NYSDOT) Reimbursement Procedures, and when federal funds participate in the cost, the Federal Highway Administration (FHWA) Federal-Aid Policy Guide Part 645, or as indicated below:

**NEW YORK STATE DEPARTMENT OF TRANSPORTATION
UTILITY WORK AGREEMENT**

III. Physical Adjustment Method (check appropriate boxes):

The actual adjustment or design engineering will be performed by the following method (s):

- Contract let by the Commissioner.
- Contract let by the Owner. (check applicable statement, i.e., a or b)
 - a. Best Interests of State.
 - b. Utility not sufficiently staffed or equipped.
- By the Owner's forces.

IV. Betterment, Salvage, and Depreciation Credits Due the Project (check appropriate boxes):

- There will be no extension of service life, improved capacity, nor any other betterment of the facility (as defined by the NYSDOT Utility Reimbursement Procedures and by FHWA Federal-Aid Policy Guide Part 645) as a result of the adjustments made pursuant to this agreement.
- There is betterment described as follows:

- The owner will not claim reimbursement for that betterment portion of the work, but will duly account for it as required by applicable NYSDOT and FHWA procedures.
- The owner hereby agrees to deposit with the Comptroller of the State of New York the amount of \$_____ to cover the cost of the betterment as described above.
- The owner agrees to comply with the requirements of the NYSDOT Utility Reimbursement Procedure and FHWA Federal-Aid Policy Guide Part 645 with the respect to salvage and depreciation credits when applicable.

V. General Covenants

The owner hereby agrees to accept full title and responsibility for the adjusted facility in writing upon satisfactory completion of the work. Such acceptance will acknowledge the owner's responsibility to maintain the facility in accordance with all applicable codes, standards and regulations, including his obligation, where applicable, to remove any or all of the facility from the highway at the order of the Commissioner of Transportation, all in accordance with the Rules and Regulations Governing the Accommodation of Utilities within the State Highway Right-of-Way. All compensable claims covered by this agreement will be included in one of the following:

- A. Privately Owned Property Agreement executed prior to the performance of the work.
- B. Municipal Agreement executed prior to performance of the work.
- C. Reimbursement Agreement executed prior to performance of the work.
- D. Such other agreement as approved by NYSDOT Office of Legal Affairs.

**NEW YORK STATE DEPARTMENT OF TRANSPORTATION
UTILITY WORK AGREEMENT**

VI. References

The following documents are herewith incorporated in this agreement be reference (check appropriate boxes)

- Federal Highway Administration's Federal-Aid Policy Guide Part 645.
- Contract documents: Contract Number D264698
PIN: 5814.41
Plan Sheets No. Electronic copy of the proposed contract plans
- Owner's Plan Sheets _____
- Owner's Estimate Sheets Form No. FIN 223c _____
- Resolution dated _____, by _____
 - Granting the State of New York authority to perform the adjustment for the owner.
 - Agreeing to maintain facilities adjusted via State-let contract.
 - Authorizing deposit of funds by the owner.
- Certification by the owner or his agent that he has the legal authority to enter into this agreement.

(Print/Type Name) Owner or Agent	(Signature)	Title	Date

Neil Sergott, P.E.	Statewide Utility Engineer		
For the NYSDOT Commissioner of Transportation	Title		Date

SPECIAL NOTE**COORDINATION WITH THE UTILITY SCHEDULE**

The contractor must coordinate their schedule of operations with the various utility owners involved with the project and shall verify utility information found in the contract documents. Utility revisions required by the various utility owners in connection with this project include:

Niagara Falls Water Board – Water & Sanitary**Utility Owner's Field Contact:**

Douglas S. Williamson, P.E.
 Director of Tech. and Reg. Services
 Niagara Falls Water Board
 5815 Buffalo Avenue
 Niagara Falls, New York 14304
 O: (716) 283-9770 Ext. 229
dwilliamson@nfwb.org

Niagara Falls Water Board has the following existing facilities at this location:

1. Existing sanitary sewer within highway boundary of NY Route 61 (Hyde Park Blvd.)
2. Existing water lines within highway boundary of NY Route 61 (Hyde Park Blvd.)

Reimbursable work to be done by the State's contractor:

The project requires the following work to be done at this location, per details in the contract documents:

Adjustments of manhole cover elevations, and adjustments of valve box elevations (During Construction.)

The work is to be done by the State's contractor and paid by contract items.

The State's Engineer-In-Charge, in coordination with the State's contractor, shall notify the Niagara Falls Water Board in writing 2 weeks before commencing work on their facilities at each location and for each occurrence of work.

The State's Engineer-In-Charge will provide record plans to the Niagara Falls Water Board.

Additional Notes

1. The Contractor is governed by and must adhere to the provisions of 16 NYCRR Part 753 (Protection of Underground Facilities)
2. The State's contractor shall verify utility information found in the contract documents. The State's contractor shall notify the State's Engineer-In-Charge of any discrepancies that are found.
3. In addition to the above-itemized facility adjustments, other adjustments may become necessary during the construction phase as a result of more precise location data or other changes that might develop.
4. The Standard Specifications shall apply to all utility facility adjustments.

5. Any additional adjustments shall be performed by the utility owners and/or the State's contractor upon direction by the State's Engineer-In-Charge.
6. Notify the utility owner's field contact identified in this note three (3) business days prior to beginning work near the utility owner's facilities. Particularly if there will be incursion into the facilities' tolerance zone.
7. Any unintentional contact with a utility facility must be immediately reported to the utility owner's field contact. The field contact must give approval before work can continue.
8. Suitable time frames for additional adjustments shall be coordinated between the State's Engineer-In-Charge, the State's contractor, and the affected utility owners. Such timeframes shall not be included within previously established timeframes.

END OF COORDINATION WITH THE UTILITY SCHEDULE

Revised 2021 July 29 - EJSC

NIAGARA FALLS WATER BOARD RESOLUTION # 2021-11-002

WATER TREATMENT PLANT BACKUP GENERATOR RADIATOR REPAIR

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

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

WHEREAS, the Board authorized repairs to the radiator on one of the generators in 2019; and

WHEREAS, the generator radiator seals and/or gaskets and tank on the second generator now need replacement; and

WHEREAS, Milton CAT is the sole source for original equipment manufacturer authorized repair and maintenance services; and

WHEREAS, Milton CAT has provided an estimate No. SCQT117185 dated November 15, 2021 to perform the required seal and/or gasket and tank replacement work for an estimated total of \$44,821.01; and

WHEREAS, Water Board staff have determined that there is no acceptable alternative to performing this work as soon as practicable;

* CONTINUED ON NEXT PAGE *

NOW THEREFORE BE IT

RESOLVED, that on behalf of the Niagara Falls Water Board, its Executive Director hereby is authorized to enter into an agreement with Milton CAT to perform seal and/or gasket and tank replacement work on the Water Treatment Plant emergency backup generator; and

IT IS FURTHER RESOLVED, that the funds authorized by this Resolution are \$44,821.02, with any other or further work exceeding the Executive Director’s purchasing authority to be approved by further resolution of the Board of Directors.

Water Board Personnel Responsible for Implementation of this Resolution:

Executive Director

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

Draft CIP Item WTP 6.2 WTP Emergency Backup Generator Upgrades

Capital Line Supplied by: D. Williamson

Funds Confirmed by: B. Majchrowicz

On November 22, 2021, the question of the adoption of the foregoing Resolution was duly put to a vote on roll call, which resulted as follows:

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

Signed By:

Vote Witnessed By:

Nicholas J. Forster, Chairman

Sean W. Costello, Secretary to Board

Milton



Brewer, ME (207) 989-1890
 Cranston, RI (401) 946-6450
 Richmond, VT (802) 434-4228
 Scarborough, ME (207) 883-9586
 Wareham, MA (508) 291-1200
 Miford, MA (508) 634-3400

Batavia, NY (585) 815-6200
 Binghamton, NY (607) 772-6500
 Clifton Park, NY (518) 877-8000
 Syracuse, NY (315) 476-9981
 Londonderry, NH (603) 665-4500

SERVICE ESTIMATE

ESTIMATE NUMBER: SCQT117185
ESTIMATE DATE: 11/15/2021
ESTIMATE EXPIRES: 1/14/2022

BILL TO

Niagara Falls Water Board
 Water Treatment Plant
 5815 Buffalo Ave
 Niagara Falls, NY 14304
 USA

SHIP TO

Niagara Falls Water Board
 5815 Buffalo Ave
 Niagara Falls, NY 14304
 USA

SERVICE CALL	DATE	INVOICE ACCOUNT	ORDER ACCOUNT	LOCATION	DIVISION	PAGE
CSR0636108	10/07/2021	0658597	0658597	Batavia	Engine	1 of 3
SALES REP	CUSTOMER CONTACT NAME	CUSTOMER CONTACT PHONE	TERMS			
Yauchzee, Christopher						
MAKE	MODEL	SERIAL NUMBER	CUSTOMER EQUIPMENT ID	MILTON CAT EQID	SMU	
AA	3512 EPG	24Z06669		E05176	304	
DESCRIPTION				UNIT PRICE	EXTENDED PRICE	

REPLACE SEALS &/OR GASKET - RADIATOR

ESTIMATE TO INCLUDE:

COST TO TRAVEL TO AND FROM JOBSITE
 COST TO REMOVE RADIATOR, REMOVE AND REPLACE CORES WITH NEW GASKETS AND TANK.
 COST TO REINSTALL RADIATOR AND REFILL COOLING SYSTEM.

Parts

1	1124036	Valve	86.17	86.17
1	1342252	Sensor Gp Te	194.40	194.40
25	1606386	Seal	8.80	220.00
25	1606387	Seal	8.45	211.25
6	1U5517	Disc	3.36	20.16
1	2350849	Absorbent-RI	135.05	135.05
18	2388649	Coolant-Elc	70.32	1,265.76
2	2545310	Brush-Flap	19.64	39.28
6	2720759	Seal-Pip	26.22	157.32
2	2884209	Towel-Shop	4.14	8.28
2	2884212	Towel Shop	26.06	52.12
1	2H3939	Union	20.55	20.55
1	2L8228	Union	20.22	20.22
25	2W0181	Core A	449.96	11,249.00
6	2W5330	Bracket A	60.86	365.16
6	2W5551	Strap A	34.70	208.20
1	3079919	Absorbent Pa	99.17	99.17
61	3718946	Cm Hose Bulk	1.05	64.05
1	3B7745	Nipple	5.75	5.75
1	3J1907	Seal	1.10	1.10
1	3N4906	Hose A	64.66	64.66
2	4589587	Paint-Yellow	11.42	22.84
12	4L6454	Bolt	0.59	7.08
12	5P1075	Washer	0.62	7.44
8	5P4868	Clamp	6.94	55.52
12	5P5148	Strap	1.16	13.92

CONTINUED

CUSTOMER INITIALS

DATE

Milton



Brewer, ME (207) 989-1890
 Cranston, RI (401) 946-6450
 Richmond, VT (802) 434-4228
 Scarborough, ME (207) 883-9586
 Wareham, MA (508) 291-1200
 Miford, MA (508) 634-3400

Batavia, NY (585) 815-6200
 Binghamton, NY (607) 772-6500
 Clifton Park, NY (518) 877-8000
 Syracuse, NY (315) 476-9981
 Londonderry, NH (603) 665-4500

SERVICE ESTIMATE

ESTIMATE NUMBER: SCQT117185
ESTIMATE DATE: 11/15/2021
ESTIMATE EXPIRES: 1/14/2022

BILL TO

Niagara Falls Water Board
 Water Treatment Plant
 5815 Buffalo Ave
 Niagara Falls, NY 14304
 USA

SHIP TO

Niagara Falls Water Board
 5815 Buffalo Ave
 Niagara Falls, NY 14304
 USA

SERVICE CALL	DATE	INVOICE ACCOUNT	ORDER ACCOUNT	LOCATION	DIVISION	PAGE
CSR0636108	10/07/2021	0658597	0658597	Batavia	Engine	2 of 3
SALES REP	CUSTOMER CONTACT NAME	CUSTOMER CONTACT PHONE	TERMS			
Yauchzee, Christopher						
MAKE	MODEL	SERIAL NUMBER	CUSTOMER EQUIPMENT ID	MILTON CAT EQID	SMU	
AA	3512 EPG	24Z06669		E05176	304	
DESCRIPTION				UNIT PRICE	EXTENDED PRICE	

1	5P6302	Seal		4.88	4.88
1	6078035	6078035		43.90	43.90
2	6B9081	Adapter-Str		17.94	35.88
1	6L8617	Cap		22.36	22.36
1	6V2055	Grease		55.76	55.76
2	6V5066	Seal-O-Ring		5.51	11.02
12	6V8801	Nut		0.32	3.84
1	7C4232	Tank As		3,310.63	3,310.63
1	7C4236	Tank As		5,348.39	5,348.39
2	7C4254	Tube		431.04	862.08
4	7C4342	Hose		28.84	115.36
1	7C8535	Flange		105.06	105.06
1	8N1186	Hose A		48.67	48.67
1	8N3248	Gasket		4.91	4.91
2	8N3640	Ring		42.27	84.54
1	8N6406	Tube		936.68	936.68
8	8T4984	Clamp		15.11	120.88
8	8T6703	Clamp		15.11	120.88
4	8T6765	Plug Pipe		2.45	9.80
4	8T7752	Pad-Hand		3.98	15.92
1	9X3271	Adapter		10.00	10.00
2	BACITROL-112	BRK CLEAN ENVIRO		16.81	33.62
2	W1891.4522-900	WINZER BRAKE CLEAN		5.71	11.42

Labor
 Total Labor 16,112.00

Miscellaneous
 1 Environmental Services 660.59 660.59
 1 SVCOWM_035 PARTS/TOOL DELIVERY 337.50 337.50

CONTINUED

Milton



Brewer, ME (207) 989-1890
 Cranston, RI (401) 946-6450
 Richmond, VT (802) 434-4228
 Scarborough, ME (207) 883-9586
 Wareham, MA (508) 291-1200
 Miford, MA (508) 634-3400

Batavia, NY (585) 815-6200
 Binghamton, NY (607) 772-6500
 Clifton Park, NY (518) 877-8000
 Syracuse, NY (315) 476-9981
 Londonderry, NH (603) 665-4500

SERVICE ESTIMATE

ESTIMATE NUMBER: SCQT117185
ESTIMATE DATE: 11/15/2021
ESTIMATE EXPIRES: 1/14/2022

BILL TO

Niagara Falls Water Board
 Water Treatment Plant
 5815 Buffalo Ave
 Niagara Falls, NY 14304
 USA

SHIP TO

Niagara Falls Water Board
 5815 Buffalo Ave
 Niagara Falls, NY 14304
 USA

SERVICE CALL	DATE	INVOICE ACCOUNT	ORDER ACCOUNT	LOCATION	DIVISION	PAGE
CSR0636108	10/07/2021	0658597	0658597	Batavia	Engine	3 of 3
SALES REP	CUSTOMER CONTACT NAME	CUSTOMER CONTACT PHONE	TERMS			
Yauchzee, Christopher						
MAKE	MODEL	SERIAL NUMBER	CUSTOMER EQUIPMENT ID	MILTON CAT EQID	SMU	
AA	3512 EPG	24Z06669		E05176	304	
DESCRIPTION				UNIT PRICE	EXTENDED PRICE	

600	NYMileage	New York Mileage	3.00	1,800.00
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Total Segment Parts	25,910.93
Total Segment Labor	16,112.00
Total Segment Miscellaneous	2,798.09
Segment Total	44,821.02

Total Invoice Parts	25,910.93
Total Invoice Labor	16,112.00
Total Invoice Miscellaneous	2,798.09

The estimate provided to you is based on what can be reasonably observed by a Milton CAT Product Support Representative. If, during actual repairs, additional worn or failed components are discovered, you will be contacted with an updated estimate that will include a breakdown of additional parts and/or labor. No additional repairs will be made without the customer's approval.

Any steam cleaning necessary to complete this service will be additional to this estimate.

This estimate is contingent on all remanufactured parts being acceptable for full core credit.

Transportation, freight, tax, miscellaneous supplies and environmental charges are not included unless otherwise noted.

We greatly appreciate the opportunity to estimate this repair for you, and look forward to providing you the best service in the industry.

Estimate Amount	44,821.02
------------------------	------------------

Terms are n/30 with approved credit

 CUSTOMER PURCHASE ORDER

 CUSTOMER PRINTED NAME

 CUSTOMER SIGNATURE

 DATE

AWARD WATER TREATMENT PLANT HVAC IMPROVEMENTS BID

WHEREAS, the Niagara Falls Water Board (“Water Board”) Water Treatment Plant (“WTP”) has five non-functional makeup air units and one non-functional rooftop air conditioning unit; and

WHEREAS, CPL assisted the Water Board with preparing bid specifications for the labor and materials required to replace the makeup air units and rooftop air conditioner; and

WHEREAS, four bids were received, and CPL recommends the award of the contract to DV Brown, Inc., as the lowest responsible bidder for the total base bid of \$189,900;

NOW THEREFORE BE IT

RESOLVED, that the \$189,900 bid from DV Brown, Inc., for Water Treatment Plant HVAC Improvements is accepted, and on behalf of the Niagara Falls Water Board, its Executive Director hereby is authorized to enter into an agreement with DV Brown, Inc., to perform that work.

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

Water Board Budget Line or Capital Plan Item with Funds for this Resolution:
Draft CIP Item WTP 6.3 WTP HVAC Rooftop and Make Up Air
Capital Line Supplied by: D. Williamson
Funds Confirmed by: B. Majchrowicz

On November 22, 2021, the question of the adoption of the foregoing Resolution was duly put to a vote on roll call, which resulted as follows:

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

Signed By:

Vote Witnessed By:

Nicholas J. Forster, Chairman

Sean W. Costello, Secretary to Board

November 17,2021

Sean Costello, Attorney
Michel C. O’Laughlin Water Treatment Plant
5825 Buffalo Ave
Niagara Falls NY 4304

RE: Niagara Falls Water Board – Project 20210004
Award Recommendation
WATER TREATMENT PLANT HVAC UPGRADES
CPL PROJECT NO. 14143.02

Dear Mr. Costello,

The bids for the Niagara Falls Water Board Waste Water Treatment Plant HVAC Upgrades were opened on Tuesday, November 9, 2021. A copy of our bid tabulation is enclosed for your information and review.

Four Bids proposal was received.

DV Brown, Inc.	\$189,900.00
Mollenberg-Betz	\$222,960.00
EMCOR	\$252,000.00
JW Danforth	\$364,000.00

Clark Patterson Lee recommends awarding to DV Brown, Inc. as the lowest responsible bidder for the total base bid of \$189,900.00.

Very truly yours,

Clark Patterson Lee



Jay F. Meyers, P.E.

Enclosure

c:

File

**NIAGARA FALLS WATER BOARD WTP HVAC
UPGRADES**

Bid Opening: TUESDAY NOVEMBER 9, 2021

Bid Item	Description	Quantity	Unit	DV BROWN		MOLLENBERG-BETZ		EMCOR		JW DANFORTH	
				Unit Price	Base Bid	Unit Price	Base Bid	Unit Price	Base Bid	Unit Price	Base Bid
ITEM 1-MUAU's											
1A	MUAU-1	1	LS	\$ 25,000.00	\$ 25,000.00	\$ 26,103.00	\$ 26,103.00	\$ 25,520.00	\$ 25,520.00	\$ 37,840.00	\$ 37,840.00
2A	MUAU-2	1	LS	\$ 33,000.00	\$ 33,000.00	\$ 42,461.00	\$ 42,461.00	\$ 58,000.00	\$ 58,000.00	\$ 58,480.00	\$ 58,480.00
3A	MUAU-3	1	LS	\$ 30,000.00	\$ 30,000.00	\$ 32,672.00	\$ 32,672.00	\$ 46,400.00	\$ 46,400.00	\$ 51,600.00	\$ 51,600.00
4A	MUAU-4	1	LS	\$ 35,000.00	\$ 35,000.00	\$ 35,251.00	\$ 35,251.00	\$ 51,040.00	\$ 51,040.00	\$ 44,720.00	\$ 44,720.00
5A	MUAU-5	1	LS	\$ 28,000.00	\$ 28,000.00	\$ 43,583.00	\$ 43,583.00	\$ 34,800.00	\$ 34,800.00	\$ 61,920.00	\$ 61,920.00
ITEM 2-ROOFTOP AIR CONDITIONING UNIT											
2A	AC-1	1	LS	\$ 18,900.00	\$18,900.00	\$ 22,890.00	\$ 22,890.00	\$ 16,240.00	\$ 16,240.00	\$ 89,440.00	\$ 89,440.00
ITEM 3 CONTINGENCY											
3A		1	LS	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00
Total Base Bid					\$ 189,900.00		\$ 222,960.00		\$ 252,000.00		\$ 364,000.00

OUTSIDE SEWER AND WATER MAINTENANCE GARAGE DOOR REPLACEMENT

WHEREAS, one of the 22’ by 14’ rolling doors on the Niagara Falls Water Board (“Water Board”) Outside Sewer and Water Maintenance garage has failed and requires replacement; and

WHEREAS, Water Board staff endeavored to obtain three quotes for the work but were able to obtain only two quotes, one from Hamburg Overhead Door in the amount of \$18,696 and one from National Overhead Door, Inc., in the amount of \$14,495;

NOW THEREFORE BE IT

RESOLVED, that on behalf of the Niagara Falls Water Board, its Executive Director hereby is authorized to pay to National Overhead Door, Inc., up to \$14,495 for replacement of a 22’ by 14’ rolling door at the Outside Sewer and Water Maintenance garage.

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

Water Board Budget Line or Capital Plan Item with Funds for this Resolution:
WWTP-17-WWTP Infrastructure-Miscellaneous
Capital Line Supplied by: B. Majchrowicz
Funds Confirmed by: B. Majchrowicz

On November 22, 2021, the question of the adoption of the foregoing Resolution was duly put to a vote on roll call, which resulted as follows:

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

Signed By:

Vote Witnessed By:

Nicholas J. Forster, Chairman

Sean W. Costello, Secretary to Board

National Overhead Door, Inc.
 5880 New Taylor Road
 Orchard Park, NY 14127

National Overhead Door Estimate

Estimate #	Date
04713	11/17/2021

Customer Information
Niagara Falls Water Board 5815 Buffalo Ave. Niagara Falls, NY 14304

Job Site
Water Treatment Plant 1201 Buffalo Ave. Niagara Falls, NY

Customer Phone	213.7432
----------------	----------

P.O. No.	Terms	Rep	File Number
	Net 30	SV	

Qty	Description	Lead Time (Approx)	Rate	Total
1	Furnish & Install 22'x14'-4" Non Insulated Steel Rolling Door, Raynor Duracoil, Gray 22 Gauge Flat Slat, _____ (Interior or Exterior) Mount, Hood, Baffle and Guides Included with 15,000 Cycle Springs, Take Down Haul Existing Door, Re-Use Existing Operator if Applicable.	22-26+ Weeks	14,495.00	14,495.00
<div style="background-color: yellow; padding: 5px;">Due to Continuing Pricing Increases from Our Suppliers, Quote Expires 3 Days from Date on Estimate</div>		<div style="background-color: yellow; padding: 5px;">Lead Times are Approximate and Subject to Change</div>	Estimate	

Please sign and return to order. You may also supply a credit card number or purchase order number for ordering purposes.			Subtotal	\$14,495.00
			Sales Tax (8.75%)	\$0.00
Phone	(716)667-3500	sales@nationaloverhead.com	Total	\$14,495.00
Fax	(716)667-0982	www.NationalOverhead.com		

Signature

Date

COMBINED BID FOR 2022 WATER AND WASTEWATER TREATMENT PLANT CHEMICALS

WHEREAS, Niagara Falls Water Board (“Water Board”) was assisted by the City of Niagara Falls Purchasing Department in soliciting bids for chemicals necessary for the operation of the Water Board’s Water and Wastewater Treatment Plants under Bid No. W2021-04; and

WHEREAS, City of Niagara Falls Purchasing has tabulated the results and highlighted the lowest responsible bidder meeting the specifications for each of the necessary chemicals as set forth on the attached November 17, 2021 Memorandum;

NOW THEREFORE BE IT

RESOLVED, that the Niagara Falls Water Board hereby awards Bid No. W2021-04 for Water and Wastewater Treatment Plant Chemicals to the low bidders meeting the bid specifications for each of the necessary chemicals as set forth in the attached November 17, 2021 Memorandum which hereby is incorporated into and made part of this Resolution.

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

Water Board Budget Line or Capital Plan Item with Funds for this Resolution:
WTP Misc. Chemicals FA.8330.0100.0419.009,
Ferric Chloride GA.8130.0100.0419.014,
High Calcium Quicklime GA.8130.0100.0419.018,
Sodium Hypochlorite GA.8130.0100.0419.024, and
Hydrogen Peroxide GA.8130.0100.0419.028
Budget Lines Supplied by: B. Majchrowicz
Funds Confirmed by: B. Majchrowicz

On November 22, 2021, the question of the adoption of the foregoing Resolution was duly put to a vote on roll call, which resulted as follows:

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

Signed By:

Vote Witnessed By:

Nicholas J. Forster, Chairman

Sean W. Costello, Secretary to Board



Bid #W2021-04 Page 1 of 3

TO: The Board

FROM: Dr. Abderrahman Zehraoui
Executive Director

Sean Costello, Esquire
General Counsel and Board Secretary

DATE: November 17, 2021

SUBJECT: Bid #W2021-04 Purchase of Chemicals for Municipal Water and Waste Water Treatment Facilities

We respectfully request you award the above referenced bid as follows:

TO: **Kuehne Chemical Co**
Attn: Susan K. Anthony
86 North Hackensack Avenue
Kearny, New Jersey 07032-4675

FOR: **Item #1:** Chlorine, one-ton cylinders (Niagara Falls estimated usage – 80 Cylinders)
\$ 3000.00/Ton

NOTE: Recommend that low bidder JCI Chemical, Incorporated, be rejected on the basis of material non-compliance with bid specifications. Specifications required firm bid for period from January 1, 2022 to December 31, 2022; JCI price is firm through March 31, 2022 only.

TO: **PVS Technologies, Incorporated (Tech Bid)**
Attn: Craig Mikkelson and/or Eileen McDonnell
10900 Harper Avenue
Detroit, Michigan 48213

FOR: **Item #2:** Ferric Chloride in tank trucks (Niagara Falls estimated usage – 275,000 gallons)
\$ 798.00/Dry Ton
\$ 1.77/Gallon

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Bid #W2021-04 Page 2 of 3

- TO: **UNIVAR Solutions USA**
Attn: Ileana Caballero
200 Dean Sievers Place
Morrisville, Pennsylvania 19067
- FOR: **Item #3:** Hydrofluorosilicic Acid 23% solution (Niagara Falls estimated usage – 100 tons)
\$ 500.00/Wet Ton
- TO: **Bison Laboratories, Incorporated**
Attn: Steven P. Morber
100 Leslie Street
Buffalo, New York 14211-1621
- FOR: **Item #4:** Sodium Hypochlorite in tank trucks
(Niagara Falls estimated usage – 6,300,000 Gallons) **\$ 1.18/Gallon**
- TO: **United Initiators Canada, LTD**
Attn: Aman Parmar
P.O. Box 2366
2147 PG Pulpmill Road
Prince George, British Columbia, Canada V2N 2S6
- FOR: **Item #5:** Hydrogen Peroxide, one-ton cylinders
(Niagara Falls estimated usage – 300,000 gallons) **\$ 3.30 USD/Gallon**
- TO: **Carmeuse Lime**
Attn: Kevin Luketic/Inside Sales
11 Stanwix Street – 21st Floor
Pittsburgh, Pennsylvania 15222
- FOR: **Item #6:** High Calcium High Reactivity Quicklime
(Niagara Falls estimated usage – 850 tons) **\$ 203.01/Ton**
- TO: **Shannon Chemical Corporation**
Attn: Daniel Flynn
P.O. Box 376
Malvern, Pennsylvania 19355
- FOR: **Item #7:** Poly-Orthophosphate (Niagara Falls estimated usage – 20 tons)
\$ 1524.77/Ton

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Bid #W2021-04 Page 3 of 3

TO: **USALCO, LLC**

Attn: Brett McCoy and/or Melanie Rock
2601 Cannery Avenue
Baltimore, Maryland 21226

FOR: **Item #8:** Polyaluminum Chloride 50% in tank trucks
(Niagara Falls estimated usage – 800 tons)

\$309.80/Wet Ton

The City Administrator 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 Forty-seven (47) vendors. Fifteen (15) bid responses were received. The above referenced companies submitted the lowest bid prices for each respective item.

Funds for this expenditure are budgeted in the following codes: FA.8330.0100.0419.009, GA.8130.0100.0419.014, GA.8130.0100.0419.018, GA.8130.0100.0419.024 and GA.8130.0100.0419.028.

Respectfully submitted,

Dr. Abderrahman Zehraoui
Executive Director, NFWB

A handwritten signature in blue ink, appearing to read "Anthony J. Restaino", is written over a blue horizontal line.

Anthony J. Restaino
Niagara Falls City Administrator

AJR: lkh
Enc.

ASKLAR _____ **KIMBLE** _____ **LARKIN** _____ **LEFFLER** _____ **FORSTER** _____

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**OFFICIAL TALLY SHEET
CITY OF NIAGARA FALLS ON BEHALF OF THE NIAGARA FALLS WATER BOARD**

BID #W2021-04: Purchase of Municipal Water And Waste Water Treatment Chemicals for 2022
 BID OPENING: October 20, 2021 at 11:00 am

PAGE 1 OF 1
 SET 1 OF 4

ITEM #	QTY	SIZE/ UNIT	DESCRIPTION	Penco, Inc. PO Box 600 San Felipe, TX 77473 Attn: Sarah Duffy	Kemira 4321 W 6 th Street Lawrence, KS 66049 Attn: Christina Imbrogno	Univar Solutions USA Michael Crea 200 Dean Sievers Pl Morrisville, PA 19067 Attn: Ileana Caballero/Michael Crea	Shannon Chemical Corporation P.O. Box 376 Malvern, PA 19355 Attn: Daniel Flynn
1.	80	ONE TON CYLINDERS	CHLORINE	NO BID	NO BID	NO BID	NO BID
2.	275,000	GALLONS	FERRIC CHLORIDE	NO BID	\$1.94/Gallon \$817.00/Dry Ton Kemira PIX-311	NO BID	NO BID
3.	100	TONS	HYDROFLUOROSILICIC ACID	NO BID	NO BID	\$500.00/Wet Ton	NO BID
4.	6,300,000	GALLONS	SODIUM HYPOCHLORITE	NO BID	NO BID	NO BID	NO BID
5.	300,000	GALLONS	HYDROGEN PEROXIDE	NO BID	NO BID	NO BID	NO BID
6.	850	TONS	HIGH CALCIUM, HIGH REACTIVITY QUICKLIME	NO BID	NO BID	NO BID	NO BID
7.	20	TONS	POLY-ORTHOPHOSPHATE BLEND	NO BID	NO BID	NO BID	\$1524.77/Ton
8.	800	TONS	POLY-ALUMINUM CHLORIDE	NO BID	\$380.00/Wet Ton Kemira Stern PAC	NO BID	NO BID

SET 1 OF 4

11/17/2021

**OFFICIAL TALLY SHEET
CITY OF NIAGARA FALLS ON BEHALF OF THE NIAGARA FALLS WATER BOARD**

BID #W2021-04: Purchase of Municipal Water And Waste Water Treatment Chemicals for 2022
 BID OPENING: October 20, 2021 at 11:00 am

PAGE 1 OF 1
 SET 2 OF 4

ITEM #	QTY	SIZE/ UNIT	DESCRIPTION	USALCO 2601 Cannery Ave Baltimore, MD 21226 Attn: Brett McCoy/Melanie Rock	Holland Company, Inc. 153 Howland Ave Adams, MA 01220- 1199 Attn: Matthew Holland	Carus Chemical, LLC 315 Fifth Street Peru, IL 61354 Attn: Samantha Pumo/Barbie Smith	Kuehne Chemical Co 86 North Hackensack Ave Kearny, NJ 07032- 4675 Attn: Susan K. Anthony
1.	80	ONE TON CYLINDERS	CHLORINE	NO BID	NO BID	NO BID	\$3000.00/Container
2.	275,000	GALLONS	FERRIC CHLORIDE	NO BID	NO BID	NO BID	NO BID
3.	100	TONS	HYDROFLUOROSILICIC ACID	NO BID	NO BID	NO BID	NO BID
4.	6,300,000	GALLONS	SODIUM HYPOCHLORITE	NO BID	NO BID	NO BID	\$5.00/Gallon
5.	300,000	GALLONS	HYDROGEN PEROXIDE	NO BID	NO BID	NO BID	NO BID
6.	850	TONS	HIGH CALCIUM, HIGH REACTIVITY QUICKLIME	NO BID	NO BID	NO BID	NO BID
7.	20	TONS	POLY-ORTHOPOSPHATE BLEND	NO BID	NO BID	\$1720.00/Ton	NO BID
8.	800	TONS	POLY-ALUMINUM CHLORIDE	\$309.80/Wet Ton	NO BID	NO BID	NO BID

SET 2 OF 4

11/17/2021

**OFFICIAL TALLY SHEET
CITY OF NIAGARA FALLS ON BEHALF OF THE NIAGARA FALLS WATER BOARD**

BID #W2021-04: Purchase of Municipal Water And Waste Water Treatment Chemicals for 2022
 BID OPENING: October 20, 2021 at 11:00 am

PAGE 1 OF 1
 SET 3 OF 4

ITEM #	QTY	SIZE/ UNIT	DESCRIPTION	United Initiators Canada, LTD PO Box 2366 2147 PG Pulpmill Rd Prince George, British Columbia Canada V2N2S6 Attn: Aman Parmer	Carmeuse Lime Attn: Inside Sales 11 Stanwix Street – 21 st Floor Pittsburgh, PA 15222 Attn: Kevin Luketic	CO – Jones Chemical Inc. 100 Sunny Sol Blvd Caledonia, NY 14423 Attn: Deborah Stella	Bison Laboratories, Inc. 100 Leslie Street Buffalo, NY 14211- 1621 Attn: Steven P. Morber
1.	80	ONE TON CYLINDERS	CHLORINE	NO BID	NO BID	1**\$2000.00/Ton**	NO BID
2.	275,000	GALLONS	FERRIC CHLORIDE	NO BID	NO BID	NO BID	NO BID
3.	100	TONS	HYDROFLUOROSILICIC ACID	NO BID	NO BID	NO BID	NO BID
4.	6,300,000	GALLONS	SODIUM HYPOCHLORITE	NO BID	NO BID	NO BID	\$1.18/Gallon
5.	300,000	GALLONS	HYDROGEN PEROXIDE	\$3.30 USD/Gallon	NO BID	NO BID	NO BID
6.	850	TONS	HIGH CALCIUM, HIGH REACTIVITY QUICKLIME	NO BID	\$203.01/Ton	NO BID	NO BID
7.	20	TONS	POLY-ORTHOPHOSPHATE BLEND	NO BID	NO BID	NO BID	NO BID
8.	800	TONS	POLY-ALUMINUM CHLORIDE	NO BID	NO BID	NO BID	NO BID

****EXCEPTIONS****

See Notes on last page

SET 3 OF 4

PAGE 1 OF 1

11/17/2021

**OFFICIAL TALLY SHEET
CITY OF NIAGARA FALLS ON BEHALF OF THE NIAGARA FALLS WATER BOARD**

BID #W2021-04: Purchase of Municipal Water And Waste Water Treatment Chemicals for 2022
 BID OPENING: October 20, 2021 at 11:00 am

SET 4 OF 4

ITEM #	QTY	SIZE/ UNIT	DESCRIPTION	PVS Technologies, Inc. 10900 Harper Ave Detroit, MI 48213 Attn: Craig Mikkelsen	G2O Technologies, LLC 9213 Arch Street Pike Little Rock, AR 72206 Attn: Jessica Piccirilli	PVS Nolwood Chemicals, Inc. 10900 Harper Ave Detroit, MI 48213 Attn: Garrett Speck	XXX
1.	80	ONE TON CYLINDERS	CHLORINE	NO BID	NO BID	NO BID	
2.	275,000	GALLONS	FERRIC CHLORIDE	\$798.00/Dry Ton \$1.77/Gallon	NO BID	NO BID	
3.	100	TONS	HYDROFLUOROSILICIC ACID	NO BID	NO BID	\$575.00/Ton	
4.	6,300,000	GALLONS	SODIUM HYPOCHLORITE	NO BID	NO BID	NO BID	
5.	300,000	GALLONS	HYDROGEN PEROXIDE	NO BID	NO BID	NO BID	
6.	850	TONS	HIGH CALCIUM, HIGH REACTIVITY QUICKLIME	NO BID	NO BID	NO BID	
7.	20	TONS	POLY-ORTHOPHOSPHATE BLEND	NO BID	NO BID	NO BID	
8.	800	TONS	POLY-ALUMINUM CHLORIDE	NO BID	NO BID	NO BID	

SET 4 OF 4

OFFICIAL TALLY SHEET
CITY OF NIAGARA FALLS ON BEHALF OF THE NIAGARA FALLS WATER BOARD

BID #W2021-04: Purchase of Municipal Water And Waste Water Treatment Chemicals for 2022
BID OPENING: October 20, 2021 at 11:00 am

NOTES:

¹**Jones Chemical Inc. (JCI):**

****EXCEPTIONS**** as listed below for Chlorine bid:

- JCI is bidding on the full one year award period stated of calendar year 2022.
- JCI bid price of \$2000.00 per ton is firm through 3/31/2022 only.
- Price increases thereafter will be based on producer raw material cost increases only – documentation and 30 day notice will be provided.
- Payment terms will be thirty (30) days after receipt of the invoices.

11/17/2021

BID FOR SLUDGE DEWATERING POLYMER

WHEREAS, Niagara Falls Water Board (“Water Board”) was assisted by the City of Niagara Falls Purchasing Department in soliciting bids for sludge dewatering polymer which is used in the processing of sludge at the wastewater treatment plant under Bid No. W2021-05; and

WHEREAS, following laboratory analysis by Water Board staff of the potency of candidate polymers, City of Niagara Falls Purchasing has tabulated the results and highlighted the lowest responsible bidder meeting the bid specifications whose product will result in the lowest total cost to the Water Board based on estimated annual usage, Solenis, LLC polymer Praestol 859 BS;

NOW THEREFORE BE IT

RESOLVED, that the Niagara Falls Water Board hereby awards Bid No. W2021-05 for sludge dewatering polymer to Solenis, LLC, for polymer Praestol 859 BS.

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

Water Board Budget Line or Capital Plan Item with Funds for this Resolution:
Sludge Polymer GA-0419.017
Budget Lines Supplied by: B. Majchrowicz
Funds Confirmed by: B. Majchrowicz

On November 22, 2021, the question of the adoption of the foregoing Resolution was duly put to a vote on roll call, which resulted as follows:

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

Signed By:

Vote Witnessed By:

Nicholas J. Forster, Chairman

Sean W. Costello, Secretary to Board



TO: The Board

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

DATE: November 9, 2021

SUBJECT: Bid #W2021-05 Sludge Dewatering (BFP) Treatment Polymer

We respectfully request you award the above referenced bid as follows:

TO: Solenis, LLC
Attn: Suzanne Brown
2475 Pinnacle Drive
Wilmington, Delaware 19803

FOR: Sludge Dewatering Polymer (Praestol 859 BS) \$ 2.25/lb.

The City Purchasing Department 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 twenty-two (22) vendors. Three (3) responses were received. The above referenced vendor submitted its bids based on the price per pound and the estimated number of pounds required annually for its products. The estimated annual usage is based on laboratory testing by staff of the Niagara Falls Water Board for each polymer submitted.

Funds for this expenditure are available in the Niagara Falls Water Board budget code GA.8130.0100.0419.016.

Will the Board so approve?

Respectfully submitted,

Dr. Abderrahman Zehraoui
Executive Director, NFWB


Anthony J. Restaino
City Administrator

ASKLAR _____ **KIMBLE** _____ **LARKIN** _____ **LEFFLER** _____ **FORSTER** _____

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

www.nfwb.org

**OFFICIAL TALLY SHEET
 NIAGARA FALLS WATER BOARD, NIAGARA FALLS, NEW YORK**

NFWB BID # W2021-05 SLUDGE DEWATERING (BFP) TREATMENT POLYMER PAGE 1 OF 1
BID OPENING: NOVEMBER 3, 2021 11:00 AM SET 1 OF 1

ITEM (2)	DESCRIPTION	Polydyne, Inc. Attn: Bids & Contracts Dept. P.O. Box 279 Riceboro, GA 31323	Slack Chemical Company, Inc. Attn: F. Cerqua P.O. Box 30 465 South Clinton Street Carthage, NY 13619-0030	Solenis, LLC Attn: Suzanne Brown 2475 Pinnacle Drive Wilmington, DE 19803
1.	Manufacturer: Polymer Name/ Type/Number: Unit price/ pound:	NO BID	Polydyne Niagara Falls – 3 rd Sta Flocc 6532 \$2.09 per lb.	Solenis, LLC Praestol 859BS \$2.25 per lb.
2.	Manufacturer: Polymer Name/ Type/Number: Unit price/ pound:	NO BID	Polydyne Niagara Falls – 3 rd Sta Flocc 6446 \$2.09 per lb.	NO BID
	NOTES:		Testing Results: 1.) Equivalent Dosage: 3.05 lbs./ton Yearly Usage: 68,747 lbs. 2.) Equivalent Dosage: 2.85 lbs./ton Yearly Usage: 64,239 lbs.	Testing Results: 1.) Equivalent Dosage: 2.53 lbs./ton Yearly Usage: 57,026 lbs.

SEQR AND COMMITTING FUNDS FOR INTERMEDIATE PUMP PROJECT

WHEREAS, the Niagara Falls Water Board (“Water Board”) has received approval from the New York State Department of Environmental Conservation (“NYSDEC”) and Dormitory Authority of the State of New York (“DASNY”) to use the Water Board’s “Phase II” grant funds for assessment and upgrades of its wastewater treatment plant (“WWTP”) intermediate pumps and check valves (the “Project”); and

WHEREAS, the Project involves the four 250 horsepower vertical centrifugal intermediate pumps installed at the WWTP in the 1970’s which draw from a wet well through suction piping with 42-inch check valves and discharge into a common header that feeds primary effluent to the carbon system; and

WHEREAS, at present operators manually control the intermediate pumps using SCADA to maintain proper intermediate wet well and carbon central influent channel levels; and

WHEREAS, the four intermediate pumps and check valves need to be assessed for replacement with modern equipment that would include the ability to control the pumps with variable frequency drives; and

WHEREAS, the Project will include an engineering assessment estimated to cost \$50,000 to \$75,000 and a construction budget of approximately \$3 million; and

WHEREAS, under the terms of the Phase II grant, DASNY will provide a grant for half the Project costs and the Water Board must commit to funding the remainder of the estimated project costs (\$1,537,500); 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 Project; 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 Project described above, and finds that pursuant to 6 NYCRR Section 617.5 (c) (1) and 617.5(c) (2), the Project is a Type II action because it 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 Project, involving assessment and upgrades of wastewater treatment plant intermediate pumps, is determined to be a SEQR Type II Action as defined under said regulation and does not require an environmental impact statement or any other determination or procedure; and

IT IS FURTHER RESOLVED, that the Water Board hereby commits to fund the Project costs not covered by the DASNY Phase II grant, with the Water Board’s share estimated at \$1,537,500.

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

Water Board Budget Line or Capital Plan Item with Funds for this Resolution:
WWTP 11.5, Project No.12 (WWTP Phase II grant) - WWTP Intermediate Pump Upgrades
Capital Line Supplied by: D. Williamson
Funds Confirmed by: B. Majchrowicz

On November 22, 2021, the question of the adoption of the foregoing Resolution was duly put to a vote on roll call, which resulted as follows:

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

Signed By:

Vote Witnessed By:

Nicholas J. Forster, Chairman

Sean W. Costello, Secretary to Board

**NEW YORK STATE LOW INCOME HOUSEHOLD
WATER ASSISTANCE PROGRAM VENDOR AGREEMENT**

WHEREAS, the NYS Low Income Household Water Assistance Program (LIHWAP), established through the Consolidated Appropriations Act, 2021 and the American Rescue Plan Act, 2021, is a program that assists low income households, particularly those with the lowest incomes, that pay a high proportion of household income for drinking water and wastewater services; and

WHEREAS, the NYS Office of Temporary and Disability Assistance (“OTDA”) has announced that it will operationalize LIHWAP benefits in two phases, with phase one funding and outreach targeting households with arrears for unpaid charges for drinking water and/or wastewater services and in phase two, OTDA will reevaluate available funding and if feasible, focus on establishing a benefit to assist eligible households with current drinking water and/or wastewater bills; and

WHEREAS, LIHWAP payments will be issued directly to drinking water and wastewater providers to restore or prevent loss of drinking water or wastewater services; and

WHEREAS, this New York State administered program that will start on December 1, 2021 and end on September 30, 2023, or when funding is exhausted, whichever occurs first; and

WHEREAS, in order to participate in the LIHWAP, the Water Board must enter into a vendor agreement with OTDA and comply with program terms and conditions;

* CONTINUED ON NEXT PAGE *

NOW THEREFORE BE IT

RESOLVED, that on behalf of the Niagara Falls Water Board, its Deputy Director of Financial Services hereby is authorized to execute a LIHWAP vendor agreement with OTDA and such other or further documents as may be necessary to secure the maximum possible LIHWAP benefits for ratepayers served by the Water Board.

Water Board Personnel Responsible for Implementation of this Resolution:
Deputy Director of Financial Services

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

On November 22, 2021, the question of the adoption of the foregoing Resolution was duly put to a vote on roll call, which resulted as follows:

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

Signed By:

Vote Witnessed By:

Nicholas J. Forster, Chairman

Sean W. Costello, Secretary to Board



Office of Temporary and Disability Assistance

KATHY HOCHUL
Governor

BARBARA C. GUINN
Executive Deputy Commissioner

November 05, 2021

Dear New York State Drinking Water and/or Wastewater Supplier:

This is to provide you with information and a Vendor Agreement for the New York State Low Income Household Water Assistance Program (LIHWAP). Please review all enclosed materials carefully.

LIHWAP was established through the Consolidated Appropriations Act, 2021 and the American Rescue Plan Act, 2021. New York State will use these funds to assist low income households, particularly those with the lowest incomes, that pay a high proportion of household income for drinking water and wastewater services. Benefits will be issued directly to drinking water and wastewater providers to restore or prevent loss of drinking water or wastewater services. The Office of Temporary and Disability Assistance (OTDA) will operationalize LIHWAP benefits in two phases. Phase one funding and outreach will target households with arrears for unpaid charges for drinking water and/or wastewater services. In phase two, OTDA will reevaluate available funding and if feasible, focus on establishing a benefit to assist eligible households with current drinking water and/or wastewater bills. This is a New York State administered program that will start on December 1, 2021 and end on September 30, 2023, or when funding is exhausted, whichever occurs first.

Vendor Agreement:

- A signed Vendor Agreement and completed Substitute Form W9/AC 3237-S (Rev. 1/17) are required in order to participate in and receive LIHWAP payments. The signed agreement will apply to all customers in your service territory within New York State. Vendor Agreements and program participation will be managed centrally by OTDA through the LIHWAP Bureau.
- Please review all documents carefully before signing.
- You may not make any changes to the Vendor Agreement, please contact us if you have any questions at: NYSLIHWAP.vendor@otda.ny.gov.

Vendor Payment and Remittance Information:

- Payments will be made directly to vendors via Electronic Funds Transfer issued through the NYS Office of the Comptroller (OSC).
- The OSC State Vendor Resource Page is available at: <https://www.osc.state.ny.us/state-vendors>. This resource page provides information and guidance to vendors on their payments and how to view those payments through the self-service vendor portal.
- Vendors who need assistance in enrolling in the online Vendor Self Service application: <http://www.sfs.ny.gov>, should contact the Statewide Financial System (SFS) Help Desk at either (855) 233-8363 or helpdesk@sfs.ny.gov.

Please return the signed Vendor Agreement and completed Substitute Form W9/AC 3237-S (Rev. 1/17) forms as soon as possible to:

**New York State OTDA
LIHWAP Bureau
40 N. Pearl St. Floor 11B
Albany, NY 12243**

Phone: (518) 473-0332

Fax: (518) 486-1528

Email: NYSLIHWAP.vendor@otda.ny.gov

Your company's name will not be added to the NYS LIHWAP vendor list until a signed agreement and a completed Substitute Form W9/AC 3237-S (Rev. 1/17) is on file.

We look forward to continuing to work with your company and staff as we assist LIHWAP eligible households in meeting their drinking water and/or wastewater needs. Please contact the NYS LIHWAP Bureau staff at (518) 473-0332 with any questions or concerns.

Sincerely,

/s/ AB/ 11-05-2021

Andrew Bryk
HEAP/LIHWAP Bureau Chief
Employment and Income Support Programs

Attachments (3):

LIHWAP Vendor Agreement
Attachment 1 - OTDA Security and Confidentiality Terms
Substitute Form W9/AC 3237-S (Rev. 1/17)



**NEW YORK STATE LOW INCOME HOUSEHOLD WATER ASSISTANCE PROGRAM
VENDOR AGREEMENT**

This Agreement (“Agreement”) shall govern the purchase of water services from the Water Service Provider (Vendor) on behalf of households eligible for the Low Income Household Water Assistance Program (LIHWAP). Federal funds awarded under LIHWAP shall be used as part of an overall emergency effort to prevent, prepare for, and respond to the COVID-19 pandemic, with the public health focus of ensuring that low income households have access to drinking water and wastewater services. The funds will be used to cover and/or reduce arrearages, rates and fees associated with reconnection or prevention of disconnection of services. If funding is available, the New York State Office of Temporary and Disability Assistance (NYS OTDA) will evaluate providing bill assistance to eligible households to reduce the household’s cost for drinking water and wastewater services. This Agreement is a contract between NYS OTDA and the Vendor for the provision of direct vendor payments to assist low income households with drinking water and wastewater reconnection and ongoing services.

The parties acknowledge that this Agreement and the services provided by the Vendor are governed by and subject to federal laws and regulations in addition to issued federal and State guidance in relation to the Low Income Household Water Assistance Program.

In order to receive LIHWAP payments on behalf of eligible households, the Vendor agrees and assures to NYS OTDA to abide by the below listed provisions contained in this agreement. Drinking water and/or wastewater service benefits paid directly to Vendors will be issued through the NYS Office of the State Comptroller (NYS OSC).

1. Households receiving assistance from LIHWAP shall not be treated adversely on the basis of receipt of such assistance under applicable provision of the LIHWAP Supplemental Terms and Conditions 11h under Federal LIHWAP Assistance Listing No. 93.568(B) (with modifications based on P.L. 116-260).
2. Vendors will not discriminate, either in the costs of goods supplied or the services provided, against the household on whose behalf LIHWAP payments are made.
3. The Vendor understands that payment and satisfaction of any claims under LIHWAP will be made by NYS OTDA, through the NYS OSC. The Vendor further understands that they must comply with all applicable requirements of the Consolidated Appropriations Act of 2021 (CAA) and the American Rescue Plan Act of 2021 (ARPA), as well as all applicable policy determinations and directives of the NYS OTDA. The Vendor may be prosecuted under applicable federal and/or State law for false claims, statements or documents or concealment of material fact.
4. The Vendor agrees to accept all LIHWAP benefits authorized on behalf of residential customers and without imposing any conditions precedent. “Residential customer” is defined in accordance with Title 16 of the New York Compilation of Codes, Rules and Regulations, Part 14.2(b)(18).
5. The Vendor agrees to continue, establish or reestablish service for LIHWAP authorized residential customers and maintain such service for such LIHWAP authorized residential customer for ninety (90) calendar days after receipt of each LIHWAP benefit authorized and received on behalf of residential customers.

6. The Vendor agrees that arrears are charges for which payment has not been made more than 20 calendar days after payment was due. A payment is considered to be made on the date when it is received by the Vendor or one of its authorized agents. Payment is due whenever specified by a Vendor on its bill, as long as the date is not before the bill is hand-delivered to the customer, or less than three (3) calendar days after the bill is mailed.
7. Vendors may not transfer or cash-out LIHWAP benefits to recipients. Unexpended funds due to account closing and/or incorrect payments and funds that are unable to be credited to a recipient's account must be returned to NYS OTDA no later than thirty (30) business days after discovery, or September 30th of the current program year, whichever comes first, or upon request by NYS OTDA. A LIHWAP Vendor Refund Form must accompany all refunds. The vendor must contact NYS OTDA for a copy of this form at: NYSLIHWAP.vendor@otda.ny.gov.
8. The Vendor cannot apply LIHWAP payments to commercial accounts for non-residential services. LIHWAP payments must only be applied to LIHWAP authorized residential customer accounts.
9. The Vendor shall maintain an accounting system and supporting fiscal records adequate to audit for a period of not less than three program years (current year plus three years) and will otherwise verify the proper disbursement of LIHWAP funds. The Vendor shall allow NYS OTDA representatives access to all books and records relating to LIHWAP households for the purpose of compliance verification with this Agreement.
10. The Vendor shall permit and cooperate with federal and/or State audits and/or investigations undertaken in accordance with the CAA, and ARPA, and also any State and/or county investigations undertaken to ensure program integrity.
11. The Vendor shall treat all information relative to LIHWAP and, in particular, information relating to recipients, as confidential information, and shall not use any information so obtained in any manner except as necessary to the proper discharge of their obligation and the securement of their rights hereunder. The Vendor further agrees to protect all confidential information in accordance with all applicable federal and State laws, rules and regulations. The Vendor further agrees to abide, at a minimum, by the requirements set forth in Attachment 1, the OTDA Security and Confidentiality Terms.
12. The Vendor agrees to continue or restore service for the minimum time periods outlined in this agreement when notified by NYS OTDA that a LIHWAP benefit will be issued on behalf of an eligible household and vendor acknowledges acceptance of LIHWAP benefits. The time period begins from the date of the earliest notification by NYS OTDA.
13. The Vendor agrees to clearly identify the amount of LIHWAP payment(s) received in a manner which identifies the payment as received from LIHWAP on household statements, receipts, or accounts.
14. The Vendor understands that failure to cooperate with any Federal, State, or local investigation, audit, or program review may result in the immediate disqualification from participation in LIHWAP.
15. The Vendor agrees to take corrective action in the time frame specified by NYS OTDA if violations of this Agreement are discovered. Corrective action may include, but is not limited to, providing detailed documentation of changes made and detailed plans for future changes that will bring the Vendor into compliance. The vendor understands that failure to implement corrective actions may result in the immediate disqualification from participation in LIHWAP.
16. This Agreement shall remain in effect unless superseded by another Agreement or terminated by either party. A written agreement must be submitted thirty (30) business days in advance of the effective date to replace, modify or terminate the agreement.

17. Vendor agrees that any modification to this agreement must be reviewed and agreed to by NYS OTDA. Vendor agreement modification must be made in writing and submitted to NYS OTDA through NYSLIHWAP.vendor@otda.ny.gov.

Check here to hereby declare to the New York State Office of Temporary and Disability Assistance (NYS OTDA) that you, the vendor or vendor's representative, have the authority to bind such vendor, that you have read and understand the above, and that it is your intention to sign and submit this Vendor Agreement on behalf of the vendor to NYS OTDA, and further agree that the vendor will comply with and abide by the Vendor Agreement while participating as a Vendor in the New York State Low Income Household Water Assistance Program.

Vendor or Vendor's Representative name _____

Vendor or Vendor's Representative signature _____

Vendor Business Name _____

Address _____

Vendor TIN _____

Vendor Type:

_____ Drinking Water

_____ Wastewater

_____ Combined Drinking Water/Wastewater

Primary Contact _____

Phone _____

Email _____

FAX _____

Secondary Contact _____

Phone _____

Email _____

FAX _____

OTDA SECURITY AND CONFIDENTIALITY TERMS

Last Updated: June 2021

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The Security and Confidentiality Terms set forth in this Appendix B-1 are made part of the Agreement between OTDA and the Contractor.

1. DEFINITIONS

For purposes of this Appendix B-1 the following terms shall have the following meanings:

“Protected Information” means data or information to which the Contractor is given access which OTDA creates, receives, or maintains, which is, pursuant to federal and/or state laws, rules, regulations, policies or agreements, deemed confidential, personal, private and/or sensitive. Such data or information may be present or stored in any form or medium and includes, but is not limited to:

- a. Data or information obtained from sources outside of OTDA;
- b. Data or information maintained in and/or obtained from OTDA-owned applications, systems, networks and/or databases;
- c. Data or information identifying an individual, particularly where such disclosure could result in an unwarranted invasion of personal privacy;
- d. Computer codes or other electronic or non-electronic data or information, the disclosure of which could jeopardize the compliance stature, security or confidentiality of OTDA’s information technology solutions, applications, systems, networks or data;
- e. Any other material designated by OTDA as being “Confidential,” “Personal,” “Private,” or otherwise “Sensitive.”

“Authorized Persons” means the Contractor’s employees, subcontractors or other agents who are authorized and have a business justification to access Protected Information to enable Contractor to perform the services pursuant to the Agreement.

“Information Security Incident” means any allegation or suspicion held by or brought to the attention of an OTDA employee or Authorized Persons involving inappropriate or unauthorized access to, or disclosure of, Protected Information.

“Information Security Breach” means the unauthorized access by a non-Authorized Person of Protected Information as defined in New York State Information and Security Breach Notification Act and the SHIELD Act (General Business Law Sections 899-aa and 899-bb; State Technology Law Section 208).

“OTDA Contact” means the person or persons designated in writing by OTDA to receive Information security incident or Information security breach notifications.

“Continental United States (CONUS)” – the 48 contiguous States and the District of Columbia

“Follow the Sun” – Follow-the-sun is a type of global workflow in which tasks are passed around daily between work sites that are many time zones apart. All helpdesk, online, and support services which access any Data must be performed from within CONUS. At no time will any Follow the Sun support be allowed to access Data directly, or indirectly, from outside CONUS.

2. DATA TO BE DISCLOSED

While a listing of specific data elements and/or information required to effectuate the Agreement may be more specifically set out in the solicitation, the obligations set out apply not only to such data elements and/or information but to all Protected Information, as defined herein.

3. PURPOSE OF DATA

Contractor represents that it is requesting and/or providing Protected Information solely for purposes specified in this solicitation. OTDA will release Protected Information to Contractor exclusively for this purpose. Contractor shall use the Protected Information only for the authorized purposes specified in this Agreement.

4. OWNERSHIP OF DATA

Contractor agrees that OTDA shall be deemed the “owner” of Protected Information disclosed by OTDA to Contractor under this Agreement including for purposes of complying with the requirements of General Business Law Sections 899-aa and 899-bb.

5. DATA EXCHANGE DETAILS

Prior to OTDA’s sharing of any data pursuant to this Agreement, Contractor and OTDA shall work together to provide and establish a secure, encrypted (both in transit and at rest) method of data exchange for any transfer of such data which shall, at a minimum, comport with the standards set and required by the [New York State Chief Information Security Office](#) (NYS CISO) and, where required, any additional heightened compliance obligations applicable to and necessitated by the data involved in any such exchange. The NYS CISO’s office shall, as OTDA deems appropriate, be provided with details of such proposed method of exchange for review and approval. The Parties agree that they will work together to create and keep current a Technical Service Description, to be made part of this Agreement, which sets forth the details of the Protected Information which OTDA shall furnish to Contractor, including, at a minimum, the frequency of the disclosure, timing, technical details of the method of data exchange (including all relevant details), and the format of any response as between the Parties.

6. DATA PROTECTION

Safeguarding of Protected Information shall be an integral part of the business requirements and activities of the Contractor to ensure there is no inappropriate or unauthorized use or exposure of Protected Information at any time. Contractor shall safeguard the confidentiality, integrity, and availability of Protected Information and comply with the following conditions:

- a. Implement and maintain appropriate administrative, technical and organizational security measures to safeguard against unauthorized access, disclosure, or theft of Protected Information. Such security measures shall comply with industry best practices and shall, at a minimum, comply with those requirements set forth by the [NYS CISO](#), and must comply with all applicable state and federal law, rules, regulations, and policies.
- b. All Protected Information shall be encrypted at rest and in transit, in accord with, at a minimum, the standard set forth by the [NYS CISO](#), all applicable state and federal law, rules, regulations and policies and, as appropriate, industry best practices.
- c. At no time shall any Protected Information be copied, disclosed or retained by the Contractor for any purpose other than performing the services under this Agreement.
- d. Contractor and Authorized Persons shall not disseminate, use, or permit the dissemination or use of Protected Information in any manner not described in this Agreement without express prior written consent from OTDA.
- e. Host all Protected Information and maintain and implement procedures to logically segregate and secure Protected Information from Contractor's data and data belonging to the Contractor's other customers, including other governmental entities.
- f. All data center(s) used to perform the services under the resulting Contract must, at a minimum, meet or exceed Tier 3 standards for redundancy and resilience, which can be found at the Uptime Institute website.
- g. The contractor must carefully, thoroughly, and thoughtfully vet all software solutions and hardware used to verify that they are compliant with the requirements set forth by the [NYS CISO](#) and fulfill the compliance obligations for the protection of OTDA's Protected Information. This vetting process shall also extend to all software solutions and hardware used by Authorized Persons.

7. DATA SECURITY

Contractor shall immediately disclose its non-proprietary security processes and technical limitations to OTDA such that adequate protection for Protected Information is attained. At a minimum Contractor represents and warrants that the security requirements and processes shall comport with the security standards and protocols set by the [NYS CISO](#). In addition, the Contractor shall also comply with any state and/or federal laws, rules, regulations and/or policies that are applicable to the data being exchanged under this Agreement, including any heightened compliance obligations. The system and procedure that the Contractor will maintain for handling, storage, use, and destruction of Protected Information governed by this

agreement will be sufficient to allow OTDA and/or their designee(s) to audit compliance with this Agreement.

8. DATA LOCATION

Contractor shall provide its services to OTDA and OTDA's end users solely from data centers physically located within the continental United States (CONUS), meaning the 48 contiguous States and the District of Columbia. Storage of Protected Information at rest shall be located solely in data centers in the United States. The Contractor shall not store, access, maintain, or process Protected Information on a mobile or portable device. The Contractor will store and maintain Protected Information in a place and manner that is physically secure from unauthorized access (e.g., locked cabinets or storage room) and will store and process electronic Protected Information in such a way that it will be secure from unauthorized access by any means.

9. CONTRACT AND DATA CENTER AUDIT

The Contractor shall allow OTDA and any other authorized government agency to audit the Contractor's compliance with the security procedures set forth in this section. Contractor shall perform an independent audit of its data centers which contain Protected Information at least annually, and provide OTDA a copy of such audit report. Any non-critical deficiencies identified in the audit report or where the Contractor is found to be noncompliant with Agreement safeguards must be remedied, within 90 days of the issue date of the audit report with proof of remediation provided to OTDA. Critical deficiencies must be immediately remedied within a timeframe that OTDA approves. The completion of these requirements is at the Contractor's expense with no additional cost to OTDA.

The contractor will maintain a formal policy and procedures for the handling, storage, use, and destruction of Protected Information governed by this Agreement which must be sufficient to allow OTDA and/or their designee(s) to audit compliance with this Agreement.

The contractor will permit OTDA, or their agent, to enter upon Contractor's premises at reasonable times to inspect and review their safeguards and procedures for protecting the confidentiality, privacy, security, and compliance of the Protected Information. The contractor will also cooperate with OTDA, or their agent, in connection with any request for access to staff, information, or material related to an OTDA confidentiality, privacy, security, or compliance review, audit, or monitoring visit.

The contractor will provide, at Contractor's expense, an independent third-party audit of all data center(s) used to perform the services under the resulting Contract showing no deficiencies. Thereafter on an annual basis, at the contractor's expense, a full version of the audit report will be provided to

the State, within 30 days of the anniversary date of the Agreement. A Service Organization Control (SOC) 2 Type 2 audit report or approved equivalent sets the minimum level of a third-party audit.

10. ACCESS

The contractor will limit access to Protected Information to Authorized Persons who have a legitimate business justification for access to such data for the purposes described in this Agreement.

For Protected Information with heightened compliance requirements, including but not limited to Unemployment Insurance Benefit information, Federal Parent Locator Services information, Federal Tax information, and Social Security Association information, Contractor will provide a listing of such Authorized Persons to OTDA at intervals determined by OTDA. The contractor will ensure that this list is kept current with any additions, changes, or removal of Authorized Persons needing access.

Access to Protected Information by Authorized Persons shall be closely monitored by Contractor and shall be removed in the event such access is no longer justified by a legitimate business need or where the person separates from service. Such removal must be immediate but in no event later than the close of business on the date of the triggering event.

Notice of all such changes will be sent to:

OTDA General Counsel

40 North Pearl Street, 16C
Albany, New York 12243
(518) 474-9502
otda.GC.Notifications@otda.ny.gov

The contractor may not assign or subcontract the Agreement, its obligation or interest hereunder, without the express, written consent of OTDA. Any assignment or subcontract made without such consent will be null and void and will constitute grounds for immediate termination of the Agreement by OTDA.

Contractor expressly represents and agrees that it will not re-disclose Protected Information provided by OTDA under this Agreement to third parties, including contractors or subcontractors, without the prior, written approval from OTDA. Authorized Persons shall not disseminate, use, or permit the dissemination or use of Protected Information in any manner not provided for in this agreement without the express prior, written consent from OTDA.

The contractor will undertake precautions to limit access to disclosed Protected Information to Authorized Persons only. The contractor will adopt safeguards and procedures to limit dissemination only to authorized individuals with a legitimate business need/purpose related to the purpose of this project as set out in this Agreement.

11. TRAINING

The Contractor will ensure that all Authorized Persons who have access to any Protected Information for authorized purposes set forth in this Agreement have been instructed in a manner approved by OTDA regarding the confidential nature of the Protected Information, the safeguards required to protect such data, and the sanctions in applicable state, federal, and local laws, rules, regulations and/or policies for unauthorized disclosure of Protected Information. Contractor will annually sign an acknowledgement that all Authorized Persons with access to Protected Information have been instructed in a manner approved by and as set out above. Contractor will provide this acknowledgement upon request to OTDA and prior to the disclosure of any Protected Information hereunder and annually, as required, to continue the disclosure of Protected Information hereunder.

12. CONFIDENTIALITY AGREEMENTS

Contractor shall require Authorized Persons to sign a confidentiality and non-disclosure agreement provided by OTDA in relation to access to Protected Information. Such signed agreements must be obtained prior to Authorized Persons commencing work. Contractor shall maintain such agreements for the duration of the audit period as set out in this Agreement and for the duration of any state, federal, and local laws, rules, regulations and policies applicable to the Protected Information being exchanged under this Agreement, whichever is longer, and shall provide them to OTDA upon request.

13. BACKGROUND INVESTIGATION AND FINGERPRINTING

Contractor shall have a written personnel security policy that ensures a background investigation is completed for any individual who will need access to perform his/her job duties to Protected Information with heightened compliance obligations. The policy will identify the process, steps, and timeframes for determining whether an employee may be granted access to such Protected Information. The results of the background check will be reviewed by the Contractor to determine whether the applicant is suitable for access to such Protected Information. Suitability is defined as having verified citizenship or residency and no prior criminal offense or offenses where the nature of the offense creates a risk of misuse of such Protected Information as defined within this Agreement. Written background investigation policies and procedures must be provided to OTDA for review and approval. Policies and procedures, as well as a sample of completed background investigations, must be available for inspection upon request by OTDA or its agents.

14. NOTIFICATION OF LEGAL REQUESTS

The Contractor shall immediately inform OTDA in writing upon receipt of any legal, investigatory, or other mode or method of demand (including but not limited to FOIL or FOIA requests, electronic discovery, litigation holds, and discovery searches) for access to Protected Information that is not otherwise authorized under this Agreement and shall take and vigorously pursue all necessary legal action to prevent any disclosure including, but not limited to, moving to quash subpoenas issued for such information. The Contractor will keep OTDA's General Counsel fully and timely notified of all developments related to such legal actions and their response thereto, and provide appropriate, robust legal assistance as may be required, as requested by OTDA. The notification shall be directed to:

OTDA General Counsel
40 North Pearl Street 16 C
Albany, NY 12243
(518) 474-9502
otda.GC.Notifications@otda.ny.gov

15. REPORT OR PUBLICATION

Contractor will ensure that any study, report, publication, or other disclosure for which Protected Information shared by OTDA is the basis and which is permitted under this Agreement is limited to the reporting of aggregate, de-identified data, which means it will not contain any information that might lead to the identification of a private person or entity. OTDA shall have the right to review and approve any such study, report, publication, or other disclosure prior to disclosure or publication.

16. RETURN/DESTRUCTION OF PROTECTED INFORMATION

In the event of termination or expiration of the Agreement, Contractor shall immediately implement an orderly return of all Protected Information, whether in digital or any other form, in a mutually agreeable format at a time agreed to by the parties and/or at the direction of OTDA. Thereafter, the Contractor shall, unless otherwise advised in writing by OTDA, immediately destroy and/or sanitize, as appropriate to the medium, such data and any extracts, copies, or backups of same thoroughly and irretrievably. The method for the sanitization of data shall, at a minimum, comport with the standards set by the [NYS CISO](#) for the sanitization of data. Contractor shall thereafter certify in writing and provide proof that these actions have been completed within 30 days of termination or expiration of this Agreement or within seven days of the request of an agent, employee or officer of OTDA, at the discretion of OTDA. The Contractor will not make, retain, copy, duplicate, or otherwise use any copies of Protected Information after completion of the purpose for which the data disclosed is served without prior written permission from OTDA.

17. DATA RETENTION

Notwithstanding any other obligation under this Agreement, Contractor agrees that it will preserve the Protected Information in a manner that complies with all applicable federal, state and local laws, rules, regulations, and policies for the purposes of ensuring applicable data records retention obligations are met.

18. COMPLIANCE WITH INFORMATION SECURITY BREACH NOTIFICATION ACT AND OTHER LAWS

Contractor represents and warrants that its collection, access, use, storage, disposal and disclosure of Protected Information does and will comply with all applicable federal, state and local privacy, confidentiality, security, data protection and compliance laws, rules, regulations, policies, and directives. Contractor warrants that it will comply with the applicable New York State Information and Security Breach Notification Act and the SHIELD Act (General Business Law Sections 899-aa and 899-bb; State Technology Law Section 208). The contractor ensures that it and all Authorized Persons will be in compliance with the aforementioned state, federal, and local laws, rules, regulations, policies, and directives.

19. VULNERABILITY SCANNING

The contractor must perform appropriate and required environment vulnerability scanning in accordance with Industry best practices and standards. The contractor must address all high and medium vulnerabilities found during scanning in a reasonable timeframe as agreed upon with OTDA.

OTDA, through ITS, will have the option to perform application scanning and web server scanning, as needed. The contractor must address all high and medium vulnerabilities found during scanning in a reasonable timeframe as agreed upon with OTDA.

When software vulnerabilities are revealed and addressed by a vendor patch, the Contractor will obtain the patch from the applicable vendor and categorize the urgency of application as either "critical" or "non-critical" in nature. The determination of the critical versus non-critical nature of patches is solely at the reasonable discretion of OTDA in consultation with ITS and Contractor. The contractor will apply all critical security patches, hotfixes, or service packs as they are tested and determined safe for installation after consultation with OTDA and ITS.

20. INFORMATION SECURITY INCIDENT AND INFORMATION SECURITY BREACH

If the Contractor or any Authorized Person becomes aware of or has knowledge of either any potential Information Security Incident (Security Incident) or Information Security Breach (Security Breach), then the Contractor shall within 30 minutes

of becoming aware or having knowledge of any potential Security Incident or Security Breach, notify the OTDA contact listed below of the Security Incident or Security Breach via the email address noted, and OTDA will direct what further action is necessary for response to the same. At such time, Contractor shall provide OTDA with the name and contact information for an employee of Contractor who shall serve as Contractor's primary security contact and shall be available to assist OTDA 24 hours a day, seven days per week, in keeping OTDA fully and timely notified of all developments relating to any such potential or actual Security Incident or Security Breach utilizing the following contact information:

OTDA General Counsel
40 North Pearl Street 16 C
Albany, NY 12243
(518) 474-9502
otda.GC.Notifications@otda.ny.gov

Should an Information Security Incident or Security Breach occur, immediately following the requisite notification to OTDA, Contractor shall 1) promptly investigate and utilize best efforts and IT industry best practices to determine the cause(s) of same and devise a proposed resolution and report the cause(s) and suggested remedies to OTDA; (2) promptly implement necessary remedial measures as OTDA deems necessary; (3) document responsive actions taken, including any post-incident review of events and actions taken to make changes in business practices to prevent similar instances in the future; 4) provide reports within the timeframes as requested by OTDA; 5) promptly notify OTDA of the steps taken to prevent similar instances in the future ; and 6) take any other action as may be directed by OTDA.

Notification and Assistance to Affected Persons.

Contractor shall be responsible for:

- a. Promptly notifying individuals whose Protected Information was compromised by an Information Security Breach ("Affected Persons") or, as OTDA deems appropriate, an Information Security Incident. The contractor is to first seek consultation and receive authorization from OTDA prior to issuing such notifications. OTDA shall approve the content of and the method by which such notifications must be provided (e.g., regular mail, e-mail, and/or website posting);
- b. If requested by OTDA and/or required by law, provide credit monitoring services, identity theft consultation and restoration, identity theft insurance, public records monitoring, toll free number and call center, payday loan monitoring, and any other services deemed reasonably necessary by OTDA to Affected Persons for a minimum of one year or longer, as determined by OTDA, (together referred to as "Affected Persons Assistance");
- c. Costs. The Contractor shall bear all costs associated with providing Affected Persons Assistance. OTDA may reduce any Contractor invoice by an amount attributable to the

Contractor's failure to satisfactorily provide Affected Persons Assistance.

21. BUSINESS CONTINUITY AND DISASTER RECOVERY

The Disaster Recovery system shall be accessible by all users 24 hours a day, seven days a week, 365 days a year and available 99.982% of the time (uptime) per month and must not be rendered inoperable for any longer period for the purposes of maintenance, upgrades or hardware additions. OTDA will work with the Contractor to provide a listing of all essential functions related to the Agreement that must be sustained and maintained for the duration of the agreement. The Contractor shall have no less than one redundant data centers separated by at least 100 miles and on separate network fiber and separate power grids.

Contractor shall failover application to alternate hardware to perform planned maintenance, patches, code revisions, etc. to one instance, thoroughly test, then switch back to the upgraded instance before repeating the planned maintenance, patch, code revision, etc. on the second instance.

The contractor will provide OTDA with a business continuity and disaster recovery plan. This plan will include detailed precautions to minimize the effects of any disaster or interruption of service so that OTDA can rapidly continue to operate and resume mission-critical functions. OTDA will work with the Contractor to provide an analysis of business processes and continuity needs. The contractor will provide technical support staff with the skills required to interface with OTDA's application, network, hardware, and software during planning and preparation for disaster recovery and business continuity testing and/or during any declaration of an actual disaster. Minimum recovery time objective (RTO) and recovery point objective (RPO) will be determined by OTDA.

22. SUSPENSION/TERMINATION

OTDA agrees to provide Protected Information pursuant to this Agreement subject to the representations and agreements by the Contractor contained in this document. OTDA will suspend the Agreement and the further disclosure of any Protected Information hereunder if: (i) Contractor fails to comply with any provision of this Agreement or (ii) OTDA General Counsel believes in good faith that the Contractor has violated its obligations to maintain the confidentiality, privacy, security and/or compliance status of such data or limit properly limit dissemination of such data. Such suspension will continue until corrective action, approved by OTDA, has been taken. In the absence of prompt and satisfactory corrective action, OTDA may, at its sole discretion, terminate the Agreement. Upon termination, the Contractor must immediately return all Protected Information obtained by the Contractor or Authorized Persons under the Agreement pursuant to the terms and conditions of the Return/Destruction of Protected Information section within this Agreement.

23. GENERAL TERMS

In addition to suspension or termination of the Agreement as provided herein, OTDA reserves the right to undertake, without limitation, any other action under the Agreement, or state or federal law, rule, or regulation, to enforce the Agreement and secure satisfactory corrective action and/or return and/or destruction of the Protected Information furnished hereunder, including seeking damages, penalties, and restitution from Contractor or its affiliates as permitted under law.

The Contractor's and Authorized Person's confidentiality and related assurances and obligations hereunder shall survive the termination or expiration of the Agreement.

24. ASSIGNMENT OR SUBCONTRACTING

The Contractor may not assign or subcontract the obligations or interests outlined in this Section of this Agreement, without the express, prior written consent of OTDA. Any assignment or subcontract made without such consent will be null and void and shall constitute grounds for immediate termination of the Agreement by OTDA.

25. CLOUD COMPUTING PROVISIONS

All privacy, confidentiality, security and compliance requirements set out in this Agreement shall apply to any cloud computing solution proposed for use by the Contractor to accomplish any obligation under this Agreement.



NEPTUNE
TECHNOLOGY GROUP

Systems AdvisorTM

**An economic analysis tool to help you
make the right metering system decision.
(Version 5.0)**

**Prepared for
Niagara Falls Water Board**

November 11, 2021

NFWB AMI Economic Analysis

Prepared by:
David Johnson

Neptune Technology Group

CONFIDENTIAL

This report contains confidential and proprietary information of Neptune Technology Group Inc. and, unless otherwise authorized by Neptune or required by law, shall not be disclosed by the user to any third parties.

Introduction

Thank you for considering Neptune® for your customer information and meter automation needs. Neptune systems are designed to be effective approaches to reducing operating costs, increasing revenues, enhancing customer service and mitigating risk.

The Systems Advisor™ is a management decision tool created to help your utility determine if an Automatic Meter Reading (AMR) or Advanced Metering Infrastructure (AMI) system is beneficial for your particular operation. The analysis estimates some of the many savings and increased revenues you can expect through automation. It is based on research and analysis of current AMR/AMI system users and, most importantly, data from your own utility. It compares your current operations against options for automation to determine if such a system is cost justified for your utility. This report provides a summary of the findings for your utility based on currently available information of your operations, as detailed in the following pages.

For several years, Neptune has conducted research to quantify these savings based on the actual results reported by utilities using mobile or fixed network systems for meter reading. With this information, we have developed the Systems Advisor -- an economic model to evaluate the benefits of a Mobile AMR or Fixed Base AMI System for your utility. In addition, a worksheet for modeling Neptune's Network-as-a-Service (NaaS) has been included to compare the cost of ownership for an outsourced AMI network versus your utility building, owning, and operating the AMI infrastructure for the life of the AMI project. The following is an outline of the potential savings your utility could realize. In some cases, the savings estimates are calculated from your utility's own inputs. In other cases, they are based on national and industry standards ascertained from Neptune research. In all cases, calculations are based on assumptions Neptune considers to be conservative.

Legal Notice

Note to Users: This report contains confidential and proprietary information of Neptune Technology Group Inc., and unless otherwise authorized by Neptune or required by law, shall not be disclosed by the user to any third parties. The savings information contained herein are estimates only and may or may not reflect actual savings realized by the utilization of a Neptune system. Users acknowledge that the model is based on assumptions, forecasts and other variables that may not prove accurate in individual implementation. Neptune gives no representation or warranty as to its accuracy. Any representations or warranties will only exist in a written agreement signed by both parties for the utilization of a Neptune system.

Inputs

The following tables outline the data required to perform an analysis. Where inputs are shown, your utility has already provided information. Where input fields are blank, the analysis has used industry averages and standard assumptions. To add or change any data to better reflect your operation, complete the following sheets and return them to your Neptune representative. He/she will provide you with a revised analysis. The more data you can provide, the more accurate the analysis will be.

Basic Neptune Inputs -- REQUIRED

Date Prepared	September 7 2021
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Neptune Information	
Name of Preparer	David Johnson
Title	Territory Manager
Company	Neptune TG
Phone Number	585-315-3287

Comments for Title Page
NFWB AMI Economic Analysis

Basic Utility Inputs -- REQUIRED

Utility Information	
Utility Name	Niagara Falls Water Board
Contact Person	Bill Wright
Phone Number	(716)283-9770 1060

2	Utility Ownership (Check one)	Notes
	<input type="checkbox"/> Investor Owned	
	<input type="checkbox"/> Cooperative Owned	
	<input checked="" type="checkbox"/> Government Owned	

3	Meter Population	Total Meters	Already Automated	For Automation	
				% Replaced	% Retrofit
	Water	18,831	99.0%	0.0%	1.0%
	Gas			0.0%	0.0%
	Electric			0.0%	0.0%
	Total	18,831	99.0%	0.0%	1.0%

Notes	
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4	System Design Assumptions	System Type	
		% AMR	% AMI
	Water		100.0%

Notes	
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Current Meter Reading		
5	Service territory (sq. miles)	14
	Number of times meters are billed each year	4
6	% of meters read by utility personnel	100.0%
7	Number of full time readers (or equivalent) used for billing reads	2.0
8	% of meters read by contractors	0.0%
9	Contractor price per read	\$ -

Notes	
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Advanced Utility Inputs -- OPTIONAL

Traditional Meter Reading		Notes	Inputs
10	Average annual meter reader salary		\$ 50,300
11	Number of meter clerks		1.0
12	Average annual clerk salary		\$ 42,000
13	Number of supervisors		0.1
14	Average supervisor salary		\$ 60,000
15	Benefits as a % of salary		50%
16	Number of vehicles		2.0
17	Annual cost per vehicle	Fuel is 2,700 per year	\$ 12,200
18	Current number of handhelds		2
19	Handheld purchase price per unit		\$ 10,000
20	Average life of handheld (Years)		10
21	Annual maintenance fee per handheld		\$ 990
22	Annual cost of injuries to meter readers	-	\$ 2,000
23	Annual damages caused by meter readers		\$ 500
Accounting & Customer Service		Notes	Inputs
24	Number of customer calls per year	N/A	35,000
25	% due to high or estimated bill	N/A	20%
26	Calls handled per operator per year	N/A	7,000
27	CSR Representative	N/A	\$ 35,000
28	% reduction in calls with automation	N/A	30%
29	Number of re-bills per year	N/A	2,500
30	Cost per re-bill	N/A	\$ 8.00
31	Assumed % reduction with automation	N/A	75%
32	Annual number of move-out reads	N/A	2,500
33	Cost per move-in/move-out read	N/A	\$ 25.00
34	Annual number of estimated bills	N/A	1,200
35	Cost of computation per bill	N/A	\$ 3.00
36	Number of days from read to bill system	N/A	5
39	Annual Water & Sewer revenue	N/A	\$ 31,235,000
40	Opportunity cost of capital	N/A	4.00%
Revenue Protection		Notes	Inputs
41	Percent of revenue lost to theft		2.0%
42	Percent lost to tamper vs. by-pass	N/A	50%
43	Percent reduction in tamper	N/A	50%
44	Increased staffing cost with automation	N/A	\$ 6,284
45	Non Revenue Water		70%
Advanced Utility Inputs (continued) -- OPTIONAL			
Meter Operations		Notes	Inputs
46	Typical meter life		15
47	Average cost of standard new meter		\$ 200.00
48	Average cost of installation, including travel		\$ 125.00
51	Average water meter inaccuracy (%)		2.0%
Financial		Notes	Inputs
53	Inflation rate		3.0%
54	Depreciation Life (5, 7,10,15 or 20 years)		10
55	Combined tax rate		0.0%
56	Discount rate		6.0%
Carbon Footprint		Notes	Inputs
57	Total number of meter readers (or equivalent)		2
58	Total miles driven by meter readers per year		20,000
59	Total gas used by meter readers (gallons/yr)		800

Detailed Instructions for Input Sheets

The input sheets are designed to be as concise and self-explanatory as possible. However, due to differences in terminology between utilities and regions, some clarification may be required. The following are detailed descriptions of the information required for each field on the input sheets with a corresponding line number. If you need additional clarification, please contact your Neptune representative.

Basic Utility Inputs

- 0 Use the official name of the utility, not just acronym or initials, as this will appear on title page. Contact information documents the central utility person involved in the analysis.
- 2 Place an X in the box which best describes the type of utility ownership. Caution: Do not mark more than one box! This is used to estimate tax liability on the savings.
- 3 Indicate the number of meters in each category to be read by the drive-by equipment. Include all types of meters -- residential, commercial & industrial. Exclude any meters that are excluded from the project. Estimate the % of meters that will be replaced and the % that can be retrofitted with a communication module.
- 4 Indicate the desired split between Mobile and Fixed Base systems.
- 5 Indicate the number of times each year that the meters are read for regular billing. For example, if they are read monthly, indicate 12. If they are read quarterly, indicate 4.
- 6 If the utility currently reads meters using its own personnel, indicate the % of all meters which are read by the utility's own meter readers.
- 7 Indicate the number of full-time meter readers required for regular reading cycles. This should include everyone used to get the billing read, including time spent on regular routes and cycles and return visits to sites with inaccessible meters. If part-time meter readers are used, calculate the equivalent full-time personnel.
- 8 If the utility currently uses contractors to read meters, indicate here the % of all meters read by the contractors.
- 9 If contractors are currently used, indicate the price per read charged by the contractor. Note that the model will assume the price per read includes labor, vehicles, handheld, etc. If the utility provides any of these items to the contractor, indicate it in the notes section and see lines 9-22 of the Advanced Input Sheet.

Advanced Utility Inputs -- OPTIONAL

Meter Reading

- 10 Provide an average of all meter readers' salaries, including overtime, not including benefits. If meter readers earn hourly wages, calculate the average earned per year.
- 11 Indicate the total number of people involved in supporting the meter readers, including personnel used to make appointments, manage keys, manage meter reading equipment, enter data, etc. Typically this will be about 1 clerk for every 5 meter readers. If certain individuals are used part-time for meter reading support, calculate the equivalent full-time number.
- 12 Provide an average salary for the personnel represented on the line above, including overtime, not including benefits. If personnel earn hourly wages, calculate the average earned per year.
- 13 Indicate the total number of supervisors involved in directing meter reader activities. Typically this will be about 1 supervisor for every 20 meter readers. If certain individuals are used part-time for meter reader supervision, calculate the equivalent full-time number.
- 14 Provide an average salary for the personnel represented on the line above, including overtime, not including benefits. If personnel earn hourly wages, calculate the average earned per year.

- 15 Indicate the average benefits received by meter reading personnel as a percent of salary. This should reflect insurance, pensions, and other costs as appropriate.
- 16 Indicate the total number of vehicles used for meter reading, typically one per meter reader. If vehicles are used part time for meter reading, calculate the equivalent full-time number. If meter readers use personal vehicles, indicate the number of personal vehicles used.
- 17 Indicate the annual cost per vehicle including lease payment or purchase price prorated per year of life, gas, insurance, maintenance, storage, and upkeep. If personal vehicles are used, estimate the allowance paid per vehicle per year.
- 18 Indicate the total number of handheld meter reading computers used by the utility. Typically there will be one per meter reader plus a number of spare units. Include all of them.
- 19 Indicate the total purchase price of a handheld computer. This should include an allowance for associated software and system costs. If handhelds are leased or cellphones are used as BYOD, enter \$0 and see line 21.
- 20 Indicate the approximate number of years that the utility will keep and use a new handheld before replacement is needed. This generally ranges from 5 to 10 years.
- 21 Indicate the annual cost of the maintenance contract on each handheld. If handhelds are leased, include the lease amount. If cellphones are used as BYOD, include the annual costs of reimbursement to the employee.
- 22 Indicate the annual cost of injuries to meter readers including workmen's compensation insurance, medical costs, and lost time costs associated with potential injury in the field.
- 23 Indicate the annual cost of damages caused by meter readers including liability insurance and claims resulting from the meter readers being in the field, for example, money paid to homeowners in recognition of property damage caused by a meter reader.

Accounting/Customer Service

- 24 Indicate the annual number of customer calls received at the call center, regardless of the type of call. Typical volume is 2.2 calls per customer per year.
- 25 Approximate the % of those calls which are attributed to high-bill complaints or estimated bills. Typically around 25%, this amount can vary significantly between utilities based on the accuracy of their current meter reading method and their demographics.
- 26 Indicate the average number of calls that a call center representative addresses each year.
- 27 Provide an average salary for call center representatives, including overtime, not including benefits. If personnel earn hourly wages, calculate the average earned per year.
- 28 Indicate the reduction in calls regarding high- or estimated-bill anticipated if the meters are read using a drive-by solution. Reductions typically range from 15 to 45%, but you may select any number you feel is appropriate based on the utility's operation. If the utility already has fairly accurate meter reading, choose the low end of the range. High percentages should be used by utilities with indoor meters which are often estimated, and utilities with low accuracy rates.
- 29 Indicate the annual number of bills which are re-issued due to inaccuracies in the initial bill from incorrect meter reading, estimated reads, etc.
- 30 Approximate cost per re-bill including labor, overhead, reporting, postage, printing, authorizations and follow-up.
- 31 Indicate the reduction in re-bills you would anticipate if the meters are read using a drive-by solution. Reductions typically range from 65 to 85% because of the high degree of accuracy from mobile technologies. If the utility already has fairly accurate meter reading, choose the low end of the range. High percentages should be used by utilities with indoor meters which are often estimated, and utilities with low accuracy rates.
- 32 Customer move-ins and move-outs often require a special, off-cycle reading which is more expensive than scheduled meter reading. Indicate the total number of off-cycle reads due to move-ins and move-outs for the Utility. The typical customer "churn" is 15% or on average a customer moves every 7 years. Some utilities with higher transient populations such as university towns will experience higher levels.
- 33 Costs per move-in/move-out reading vary widely depending on the Utility's practices for scheduling these reads. If they are handled individually the costs are higher than if the reads are grouped together in a special reading route. Similarly if the Utility has a narrow time window to define when readings may be taken (eg. same day vs within 3 days of the move), costs are higher than those with more flexible schedules.
- 34 Indicate the number of bills which must be estimated each year due to inaccessible meters or inadequate meter reading data.
- 35 Indicate the approximate cost of manual computations including labor, overhead, reporting, postage, printing, authorizations and follow-up.
- 36 Indicate the current number of days from the time the meter is scheduled to be read to the time the data enters the billing system. This should include allowances for days delayed due to weather, meter reader illness, meter inaccessibility, inaccurate initial read, data input from a manual reading, downloading of data from a handheld, etc. Two days is typical.
- 39 Indicate the utility's annual revenue from water and sewer service.
- 40 Indicate the utility's cost of capital associated with short term outstanding debt. Typically about 4%, this can vary up to 9% depending on the utility's financial structure.

Revenue Protection

- 41 Indicate the % revenue lost to meter theft each year. International Revenue Protection Agency studies indicate losses of 1 to 2%. If the utility has an active revenue protection program, it could be lower.
- 42 Indicate the % of theft that is attributed to meter tamper as opposed to diversion, typically about 50%.
- 43 Indicate the % that tamper might be reduced due to the tamper detection devices in the modules. Typical results range from 30 to 70%, but you may select any number you feel is appropriate based on the utility's operation. If the utility intends to advertise and enforce theft detection, choose at the high end of the range; if not choose the lower end.
- 44 Indicate any anticipated increase in revenue protection staffing costs associated with following up on tamper alarms.
- 45 Provide the percentage of Non Revenue Water for the Utility. This is a ratio of the total amount of water billed by the Utility and the total amount of water input into the Utility's system. This is a measure of the performance of the Utility's infrastructure and is a useful metric for understanding the benefits of system upgrades.

Meter Operations

- 46 Indicate the number of years a meter generally remains in service. If unsure, divide the total number of meters by the meters replaced annually. If meter life varies by the meter type, use a weighted average.
- 47 Indicate the typical cost of a normal meter installed today with compatibility to the current reading method. If meter cost varies by the meter type, use a weighted average.
- 48 Indicate the typical cost of installation including allowances for travel time, vehicle costs, equipment used in the
- 51 Indicate the approximate % inaccuracy of the water meters currently in service. This will typically be about 0.3% for every year in service.

Financial

- 53 Indicate the average inflation rate the utility expects over the contract period.
- 54 Indicate the capital equipment life to be used for depreciation calculations. Must be 5, 10, 15, or 20 years.
- 55 Indicate the utility's combined federal and state income tax rate. This will typically be 0% for government-owned utilities and co-ops and about 39.4% for IOUs.
- 56 Indicate the utility's discount rate for use in calculating Net Present Value.

Carbon Footprint

- 57 Include all meter readers including internal employees and contractors.
- 58 Indicate the total annual number of miles driven by all meter readers. (Note: It is not necessary to include both the total miles driven and the total gas consumed. The best measure is the amount of gas consumed.)
- 59 Indicate the total annual gas consumed by all meter reading vehicles.

Pricing Information

Note: The prices that follow are estimates, provided for analysis purposes only. They do not constitute a bid or contract and are not binding. Some additional costs listed may reflect estimated Neptune prices, third party prices, or utility costs.

In this section, enter total project costs including any costs to take the system from its current status to full implementation of the Mobile AMR and Fixed Network AMI technology. Do not include the costs of meters, registers, RF MIUs, data capture devices or software that are already installed and will continue to be used in the fully deployed system. This will allow an analysis of Mobile AMR, Fixed Network AMI and Hybrid systems simply by changing the mix of Mobile AMR, Fixed Network AMI penetration.

System Information		Notes
1	Estimated mobile meter readings per day	300
2	Estimated life of system (years)	10

Estimated Costs - Mobile				
3	Initial Costs	Costs	Deployment Period (months)	Notes
	Water Meters & R900 MIUs	\$ -		
	Encoder Registers & R900 MIUs (retrofits)	\$ -		
	Water Meter Installation Labor	\$ -		
	Encoder Register/R900 Retrofit Labor	\$ -		
7	Mobile Data Collector(s)	\$ -		
	Software	\$ -		
	Training	\$ -		
	Other			
	Total	\$ -		
8	Annual Costs	\$ -		
	Total Data Collector Maintenance	\$ -		
	Software Maintenance	\$ -		
	Total	\$ -		
Notes:				

Estimated Costs - Fixed Base				
9	Initial Costs	Costs	Deployment Period (months)	Notes
	Water Meters & R900 MIUs			
	Encoder Registers & R900 MIUs (retrofits)			
	Water Meter Installation Labor			
	Encoder Register/R900 Retrofit Labor			
12	Data Collector(s)	\$ 520,000		
	Software	\$ 4,400		
	Training	\$ 2,500		
	Other	\$ -		
	Total	\$ 526,900		
13	Annual Costs			
	Total Data Collector Maintenance	\$ 114,000		
	Software Maintenance	\$ 45,140		
	Total	\$ 159,140		
Notes:				

Detailed Instructions -- Pricing

- 1 Indicate the average number of meters the utility should be able to read in a day with the proposed mobile meter reading system.
- 2 Indicate the approximate life of the system, typically 10 to 20 years.

Mobile

- 3 Enter total project costs including any costs to take the system from its current status to full implementation of the mobile technology. Do not include the costs of meters, registers or R900s that are already installed and will continue to be used in the fully deployed system. Estimate all one-time costs the utility will incur in the implementation of the project. Include costs that are paid to Neptune as well as payments to third parties and costs incurred by the utility itself such as use of utility labor for installations.
- 7 Enter the relevant costs for the mobile data collection system including MRX, BCT, Trimble Ranger handheld and the applicable pricing tier for Neptune 360 Mobile meter reading software & training.
- 8 Use this area to estimate any on-going costs of maintaining the equipment that the utility will incur. This would include applicable maintenance charges, and other operating expenses to keep the data collectors operational.

Fixed Base

- 9 Enter total project costs including any costs to take the system from its current status to full implementation of the mobile technology. Do not include the costs of meters, registers or R900 MIUs that are already installed and will continue to be used in full deployment. Estimate all one-time costs the utility will incur in the implementation of the project. Include costs that are paid to Neptune as well as payments to third parties and costs incurred by the utility itself such as use of utility labor for installations.

Benefits Summary - Fixed Network AMI System

Investment Snapshot

Initial Investment:	\$526,900
Annual Savings:	\$245,403
Simple Payback:	2.1 years
Net Present Value:	\$2,120,747
Reduction in Carbon (CO₂) Footprint:	5.8 tons/year

Fixed Network System Overview

Neptune offers an advanced, highly robust, migratable fixed network solution that delivers comprehensive usage information through a reliable wireless network. Fixed network AMI provides the timely, high-resolution meter reading that enables water utilities to eliminate on-site visits and estimated reads, reduce theft and loss, implement time-of-use billing, and profit from all of the financial and operational benefits of fixed network automated reading and billing.

Neptune recognizes there is a difference between the amount of data and the value of data communicated through a fixed network AMI system. At the core of the fixed network AMI system is the Neptune[®] 360[™] software which supports key departments within your utility organization (customer service, billing, and operations) by providing high-value data in user-friendly screens and reports to help utility personnel manage their day-to-day operations. Neptune 360 software systems provide users with easy system monitoring and control, monthly/daily/hourly customer usage graphs, enhanced reporting, priority alarms, and mapping functionality.

Non-Revenue Water/Conservation

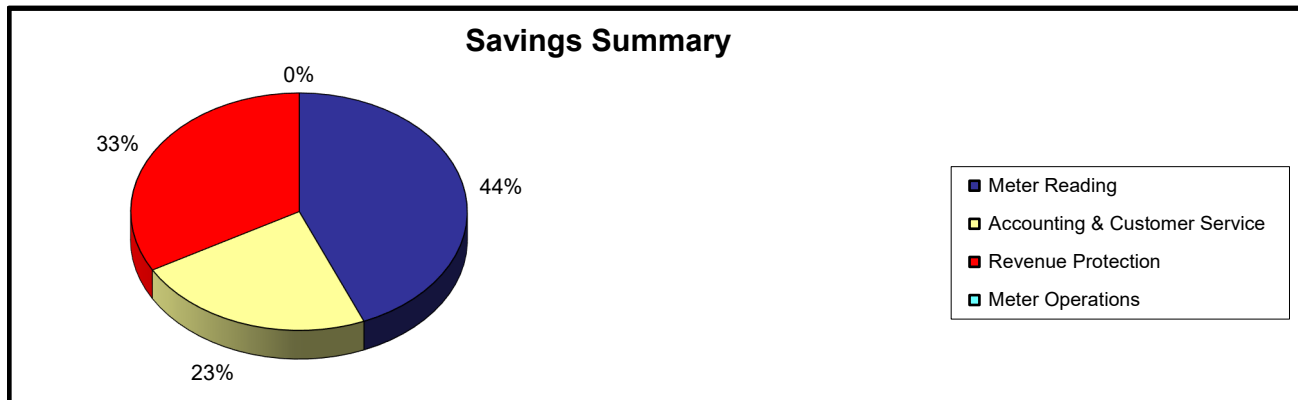
Neptune's Fixed Network AMI system supports utility initiatives for Non-Revenue Water and conservation in several ways.

- The R900 allows for time-synchronized midnight meter readings which allow daily water production to be compared to daily metered consumption to identify macro distribution network issues.
- When connected to AMR compatible leak noise loggers, Neptune's R900 RF MIUs transmit leak status information from water distribution mains and service connections on a daily basis.
- When ProCoder / E-Coder absolute encoders are used with Neptune's R900 RF MIUs, leak detection is accomplished at the end-user's premise.

- R900 MIUs provide hourly consumption/usage profile data on a daily basis, which not only allows water consumption to be monitored on a time basis but also supports monitoring of odd-even water restriction programs.
- The reporting and mapping capabilities of the Neptune 360 software generate leak reports and mapping of leak locations when GPS data is available.

Business Benefits

The estimated total savings for your utility is \$404,543 per year. The Savings Summary chart shows the breakdown of these savings by operating element.

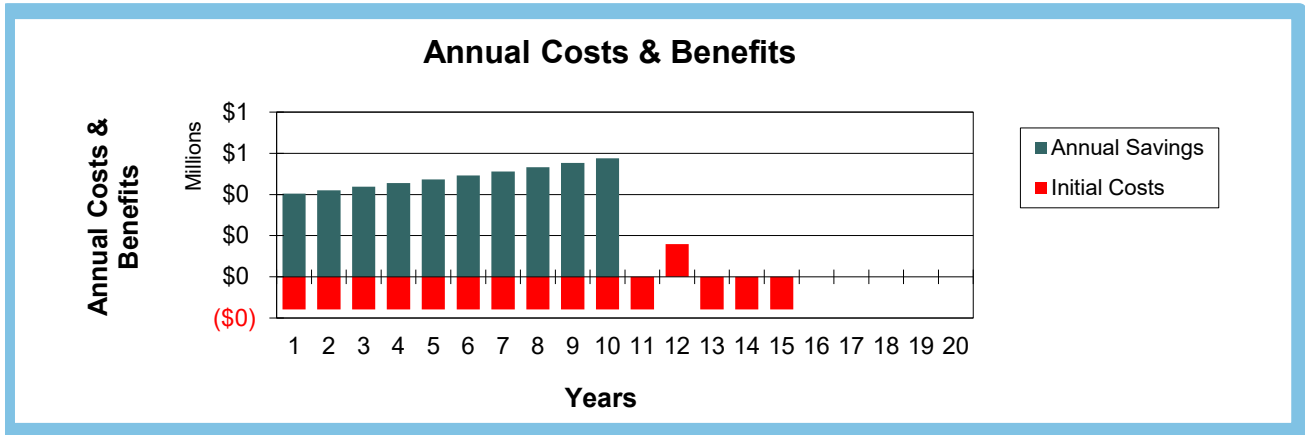


In addition to the economic benefits of a Neptune Fixed Network AMI system, your utility and its customers would realize the following business-related benefits as well.

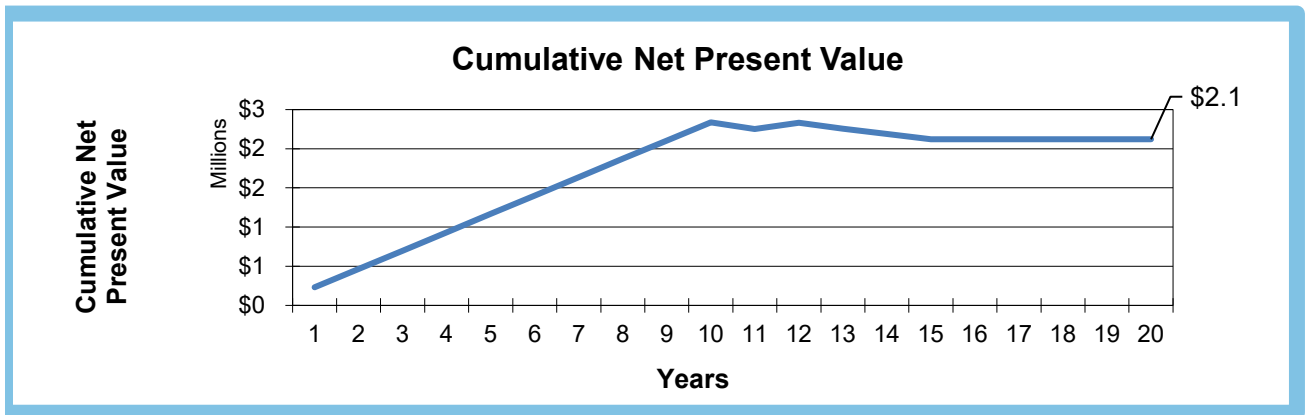
- Improves customer service.
- Eliminates estimated reads.
- Reduces high bill complaints.
- Reduces payment delinquencies.
- Reduces truck rolls for check reads.
- Addresses hard-to-read meters.
- Improves personnel safety.
- Automates unscheduled / special reads.
- Provides usage profiling with leak and reverse flow alerts.
- Increased low-flow meter accuracy through new metering technology
- Improved registration through new metering technology
- Provides capability for District Metering Area (DMA) studies.

Cost-Benefit Analysis

In order to achieve the savings outlined above, an approximate initial cost of \$526,900 would be incurred for meter upgrades, fixed base meter reading equipment and start-up. The Annual Costs & Benefits chart below assumes a system life of 10 years. Assuming a discount rate of 6% the estimated net present value (NPV) of this project is \$2,120,747.



When making long-term investments, it is often important to consider the "time value of money". This concept accounts for the fact that a dollar in hand today is worth more than a dollar in hand in the future. Factors such as inflation and risk reduce the value of that future dollar. To account for this difference in value, we discount future revenue streams over the life of the project into current dollars for a more balanced comparison. Subtracting future benefits from current costs yields a Net Present Value or NPV.



The Net Present Value over the life of this project is \$2,120,747.

#REF!

Analysis Customization

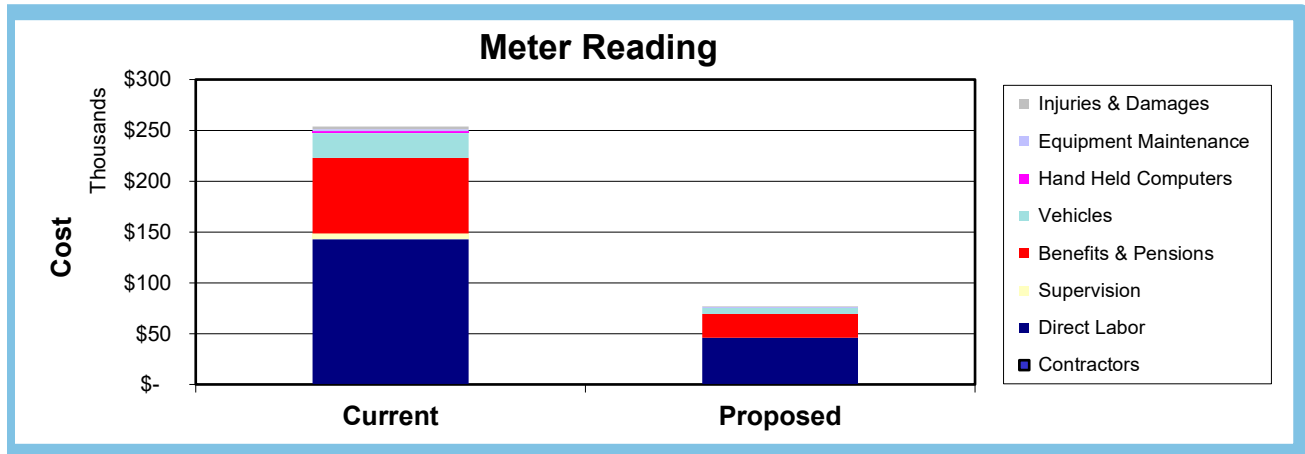
The savings estimates provided in this analysis are based on a combination of utility inputs and industry standards developed from Neptune research and analysis. However, it must be noted that every utility is different, sometimes with significant disparity in operating costs and issues. In order to create the most accurate model possible, you are encouraged to refine the inputs to reflect your individual operation. The more accurate data you can provide, the more accurate the analysis will be. To do this, please review the Input Sheets with your Neptune representative. He/she will prepare a new analysis.

Savings Opportunities

Using a Neptune Fixed Network AMI system provides savings for your utility in many ways. Besides making overall meter reading more efficient, the technologies used provide more accurate data, reduce theft, and reduce meter operation costs.

Meter Reading Savings

On average, utilities nationwide spend \$5 to \$9 per meter per year just for meter readers' salaries and benefits. In addition, significant costs are incurred for support and supervisory staff, vehicles, equipment (including handheld readers), injuries, and damage. If you currently use contract meter readers, all of these costs are generally bundled into your cost per read. With the use of a Fixed Network AMI system these traditional expenses are virtually eliminated. The Meter Reading chart shows the benefits in eliminating this function where potential savings are estimated at \$176,840 .



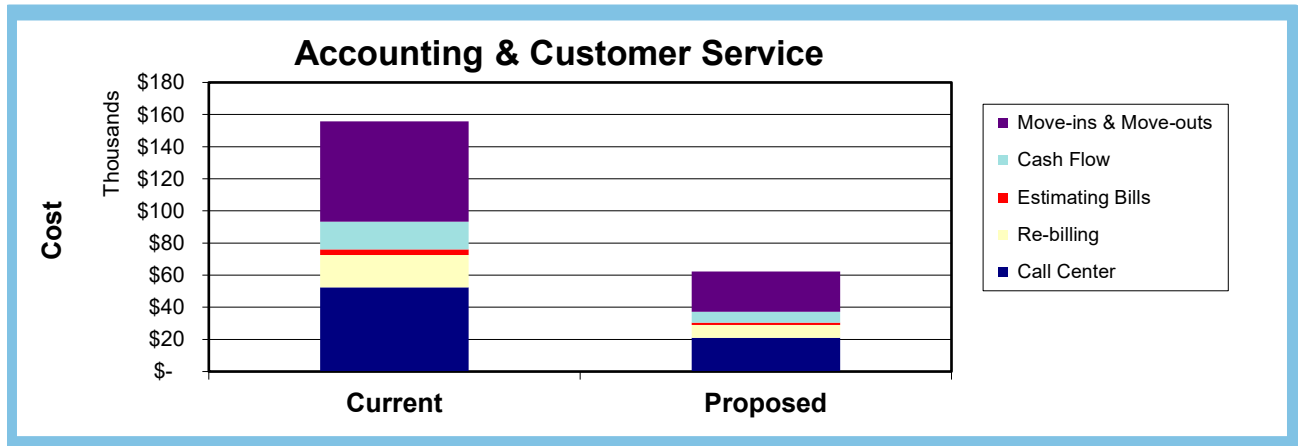
Additional assumptions and their sources are shown in the Meter Reading Assumptions table. Changes to the assumptions can be made using the Input Sheets.

Meter Reading Assumptions		
Number of times meters are billed each year	4	Utility Data
% of meters read by utility personnel	100.0%	Utility Data
Number of full time readers (or equivalent) used for billing reads	2.0	Utility Data
% of meters read by contractors	0.0%	Utility Data
Contractor price per read	\$ -	Utility Data
Average annual meter reader salary	\$ 50,300	Utility Data
Number of meter clerks	1.0	Utility Data
Average annual clerk salary	\$ 42,000	Utility Data
Number of supervisors	0.1	Utility Data
Average supervisor salary	\$ 60,000	Utility Data
Benefits as a % of salary	50.0%	Utility Data
Number of vehicles	2.0	Utility Data
Annual cost per vehicle	\$ 12,200	Utility Data
Current number of handhelds	2	Utility Data
Handheld purchase price per unit	\$ 10,000	Utility Data
Average life of handheld (Years)	10	Utility Data
Annual maintenance fee per handheld	\$ 990	Utility Data
Annual cost of injuries to meter readers	\$ 2,000	Utility Data
Annual damages caused by meter readers	\$ 500	Utility Data

Accounting & Customer Service Savings

With the automation of meter reading comes significant improvements in accuracy and availability of data. By removing the human error factor, reading errors are practically eliminated. In addition, indoor and inaccessible meters, which are often estimated under a manual system, are read every cycle. Together, these factors serve to reduce complaints to the call center. Consequently, the number of re-bills and estimated bills are significantly reduced, which are costly because they are non-cyclical and require manual intervention. In addition, cash flow is improved because the reading is acquired more quickly, reducing the read-to-bill time.

Assuming conservative improvements in call center volume, re-bills, and cash flow, your savings in accounting and customer services are outlined in the Accounting & Customer Service chart and are expected to total \$93,429 per year.



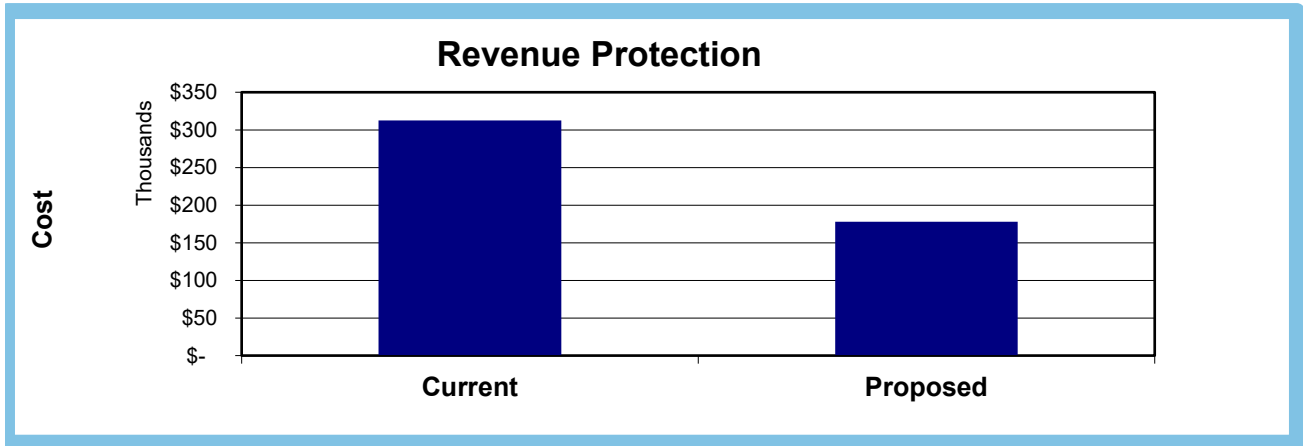
Additional assumptions and their sources are shown in the Accounting & Customer Service Assumptions table. Changes to the assumptions can be made using the Input Sheets.

Accounting & Customer Service Assumptions		
Number of customer calls per year	35,000	Utility Input
% due to high or estimated bill	20%	Utility Input
Calls handled per operator per year	7,000	Utility Input
CSR Representative	\$ 35,000	Utility Input
% reduction in calls with automation	30%	Utility Input
Number of re-bills per year	2,500	Utility Input
Cost per re-bill	\$ 8.00	Utility Input
Assumed % reduction with automation	75%	Utility Input
Annual number of estimated bills	1,200	Utility Input
Cost of computation per bill	\$ 3.00	Utility Input
Number of days from read to bill system	5	Utility Input
Annual Water & Sewer revenue	\$ 31,235,000	Utility Input
Opportunity cost of capital	4.00%	Utility Input

Revenue Protection Savings

The International Utility Revenue Protection Agency estimates that most utilities lose 1% to 2% of their revenue to theft each year. The technology used by Neptune for Fixed Network meter reading gives the utility a powerful tool for revenue protection by incorporating a tamper alarm in the meter. Utilities have reported theft reduction from 30% to 65% using such tamper alarms. Neptune’s E-Coder / ProCoder registers, which identify reverse flow and days of zero flow information when connected to R900 MIUs, can assist utilities in identifying potential tamper cases, meter installation errors, meter or register removal, or stopped meters, supporting revenue protection and water loss management initiatives.

Assuming even conservative estimates for total theft and amount reduced, annual savings are \$134,274 as illustrated in the Revenue Protection chart below.



Additional assumptions and their sources are shown in Revenue Protection Assumptions table. Changes to the assumptions can be made using the Input Sheets.

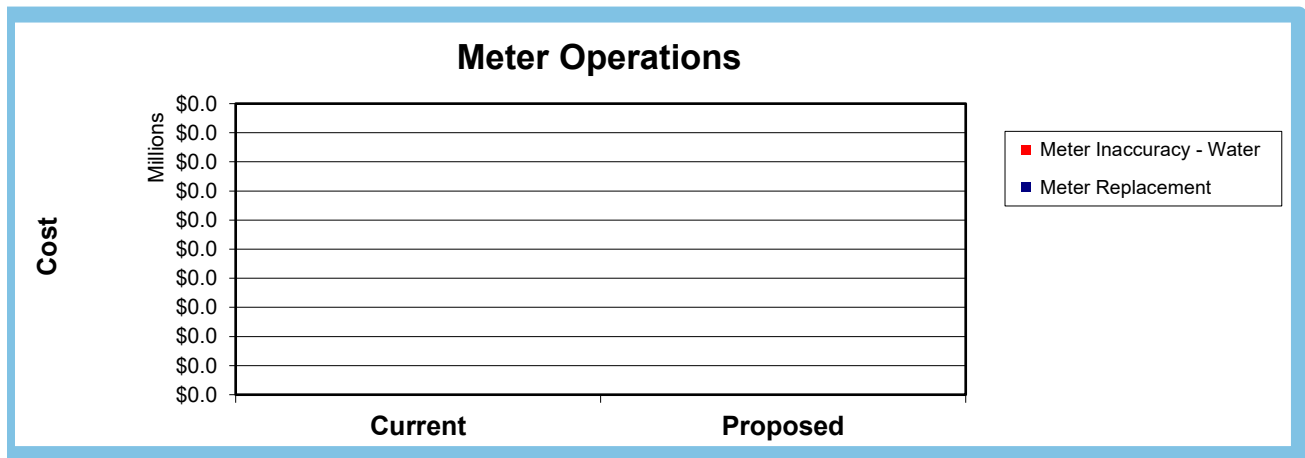
Revenue Protection Assumptions		
Percent of revenue lost to theft	2%	Utility Input
Percent lost to tamper vs. by-pass	50%	Utility Input
Percent reduction in tamper	50%	Utility Input
Increased staffing cost with automation	\$ 6,284	Utility Input

Meter Operations Savings

While many meters can be adapted with a communication device, it is sometimes necessary, and often economically justifiable, to replace meters as part of an automation project. Installation of new meters will reduce the need for an ongoing meter replacement program as meter accuracy will be maximized through the replacement of meters where meter accuracy has degraded appreciably over time.

#REF!

Savings from new meters are estimated at \$ per year as shown in the Meter Operations chart below.

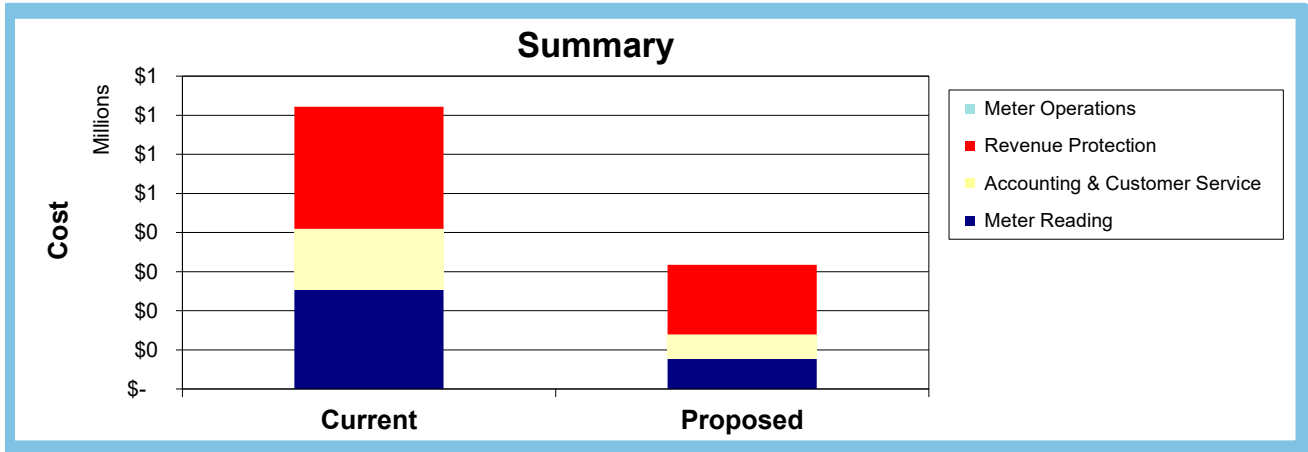


Additional assumptions and their sources are shown in the Meter Operations Assumptions table below. Changes to the assumptions can be made using the Input Sheets.

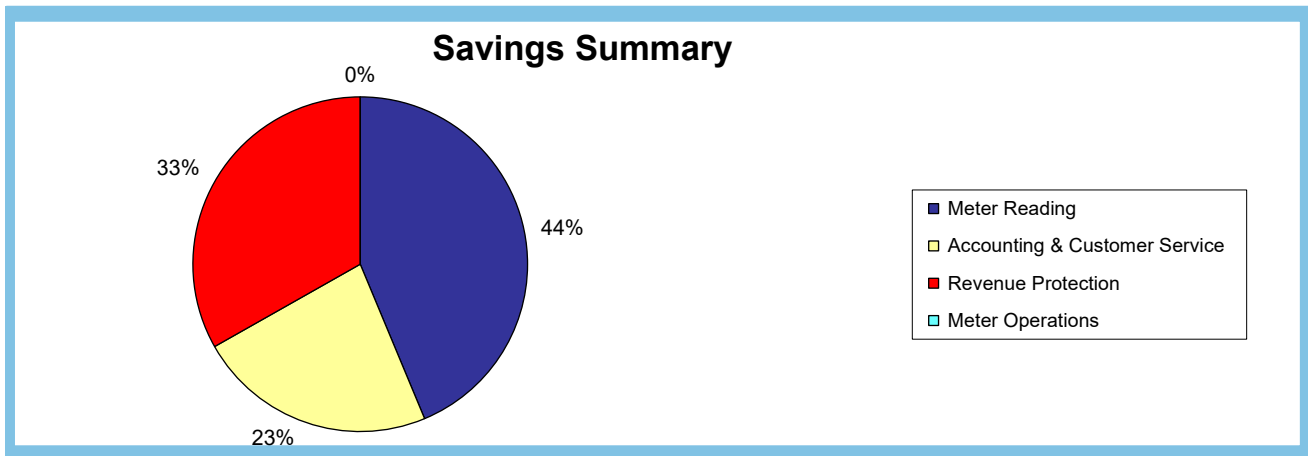
Meter Operations Assumptions		
Typical meter life	15	Utility Input
Average cost of standard new meter	\$ 200.00	Utility Input
Average cost of installation, including travel	\$ 125.00	Utility Input
Average water meter inaccuracy (%)	2.0%	Utility Input

Summary of Savings

Based on the individual savings opportunities and assumptions described in the previous pages, the total annual savings your utility can potentially achieve with a Neptune Fixed Network AMI system is \$245,403 as shown in Summary chart.



Illustrated another way, Savings Summary chart below breaks down the total savings showing the per cent from each savings element.



Costs

In order to implement a Fixed Network AMI system, your utility will incur certain initial and ongoing costs. The ongoing costs such as data collector maintenance, pole/tower rental, collector electricity costs, cellular backhaul data charges, and software maintenance, are already included in the calculations described above. The initial cost of deploying the system generally includes meter upgrades or retrofits, reading equipment, training, etc.

The total estimated initial cost for your utility is \$526,900. Your Neptune representative can provide additional information as to the nature of these costs. Note that the prices indicated here are first estimates, provided for analysis purposes only. They do not constitute a bid or contract and are not binding.

Conclusions

For many utilities, a Fixed Network AMI system is a cost justified management decision, providing significant savings, improved information, improved customer service, and strong return on investment. However, utility costs and operations vary greatly and each utility should analyze its own situation before proceeding.

Neptune hopes that its Systems Advisor helps you in this task. The calculations can be performed with a minimal number of inputs. However, they can also be customized and made more accurate with additional inputs from you. Please discuss them with your Neptune representative if you would like to pursue a revised model.