

Table of Contents - NFWB July 19, 2021 Agenda Packet

1) July 19, 2021 NFWB Work Session Meeting Agenda	2
2) NFWB Project Budget Status (7-12-21)	9
3) NFWB Construction Schedule Tracker (7-12-21)	12
4) Financial Award Summary 2021-07-12	13
5) NFWB Federal Infrastructure Campaign	14
6) Meter Shop Monthly Schedule 7 13 2021	16
7) July 26, 2021 Personnel Actions Sheet	17
8) Budget thru 06.30.2021-Revenue Only	18
9) Budget thru 06.30.2021-Expense-Sewer	22
10) Budget thru 06.30.2021-Expense-Water	25
11) Budget thru 06.30.2021-Expense-Board	28
12) Budget Amendment Report	29
13) June 2021 Operations and Maintenance Report	30
14) Draft June 17, 2021 Special Meeting Minutes	46
15) Draft June 28 2021 Meeting Minutes	48
16) RESOLUTION 2021-07-001 - Change Order 1 and Final for Bollier Avenue 10 Inch Water Main Replacement Project	60
17) Bollier Avenue Change Order Memorandum	62
18) RESOLUTION 2021-07-002 - Authorizing Replacement of Defective WWTP Fiber Cabling	63
19) Ferguson Fiber Cable Replacement Proposal	65
20) RESOLUTION 2021-07-003 - CPL 2021-2022 Services Extension and Federal Infrastructure Act Project	67
21) CPL Proposal dated June 21, 2021	69
22) RESOLUTION 2021-07-004 - LaSalle WQIP Grant Application and SEQR Review	71
23) WQIP Grant Project Description	74
24) RESOLUTION 2021-07-005 - LaSalle SSES EPG Grant and SEQR Review	77
25) EPG Application Project Description	80
26) RESOLUTION 2021-07-006 - Fleet Adjustment	88



**Working Session of the
Niagara Falls Water Board
July 19, 2021 at 5:00 p.m.
5815 Buffalo Avenue
Niagara Falls, NY 14304**

1. 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.) _____

2. Comments from Chairman Forster

3. Presentations

- a. David Johnson, Neptune Technology**
 - i. Propagation Analysis**

4. Executive Director – Dr. Abderrahman Zehraoui

- a. WWTP Project Budget Tracker (CPL)**
- b. WWTP Construction Schedule Tracker (CPL)**
- c. Financial Award Summary (CPL)**
- d. Federal Infrastructure Campaign Memorandum**
- e. Entrance Gate Updates**

5. Superintendent – William Wright

- a. Manhole Leak Inspection Project Update**
- b. Non-Revenue Water Update**
- c. Meter Shop Schedule Information**

6. Engineering – Douglas Williamson

- a. LaSalle Consent Order Update**
- b. WWTP FEMA Project Status Update**

7. Personnel Items – John Accardo

- a. July 26, 2021 Personnel Actions Sheet**

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

9. Finance – Brian Majchrowicz

- a. Audit Update**
- a. Revenue Budget Performance Report through June 30**
- b. Sewer Fund Expense Budget Performance Report through June 30**
- c. Water Fund Expense Budget Performance Report through June 30**
- d. Board Fund Expense Budget Performance Report through June 30**
- e. June 2021 Budget Amendment Report**

10. June 2021 Operations and Maintenance Report

11. Safety – John Accardo

12. General Counsel and Secretary – Sean Costello

- a. Draft June 17, 2021 Meeting Minutes**
- b. Draft June 28, 2021 Meeting Minutes**

13. From the Chairman

14. Resolutions

2021-07-001 – CHANGE ORDER 1 AND FINAL FOR BOLLIER AVENUE 10 INCH WATER MAIN REPLACEMENT PROJECT

- a. Change Order Memorandum**

2021-07-002 – AUTHORIZING REPLACEMENT OF DEFECTIVE FIBER CABLING AT WWTP

- a. Ferguson Fiber Cable Replacement Proposal**

2021-07-003 – 2021-2022 CLARK PATTERSON LEE PROFESSIONAL SERVICES EXTENSION AND FEDERAL INFRASTRUCTURE ACT PROJECT

- a. CPL Proposal dated June 21, 2021**

2020-07-004 – NYS WATER QUALITY IMPROVEMENT PROJECT GRANT APPLICATION FOR LASALLE SEWER REHABILITATION PROJECT AND SEQR REVIEW OF PROPOSED PROJECT

- a. WQIP Project Description**

2021-07-005 – ENGINEERING PLANNING GRANT APPLICATION AND SEQR REVIEW FOR LASALLE SANITARY SEWER EVALUATION SURVEY PROJECT

- a. LaSalle SSES EPG Application Project Information**

Anticipated Additional Resolution(s) for Regular Meeting:

- 1. Award Bid for WTP Interior Caulking Project***

15. Additional Comments from Chairman Forster

16. 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.
- b. Roof Study**
 - Jay Meyers from CPL stated this project is approximately 96% complete.
 - Further review is needed in some areas – will be sure to report all findings to the board as soon as they are made available -- discussed at board meeting held on 5/24/21.

- 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.
- d. **Caulking Project WTP**
 - Exterior caulking of the WTP was completed in 2020.
 - Interior caulking of the WTP is now needed
 - Mr. Costello was tasked to solicit bids – requesting CPL to prepare the specifications.
 - - discussed at board meeting held on 5/24/21.
- 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.
- f. **Lift Station Roofs**
 - Mr. Costello has been in contact with the maintenance department regarding the work that is needed; would prefer to keep the work in-house if possible - discussed at board meeting held on 5/24/21.
 - Mike Eagler met with Jay Meyers on 6/22/2021 to explore the possibility of installing roof trusses on flat roofs – discussed at board meeting held on 6/28/21.
- 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
 - WTP Chief Operator (Rob Rowe) met with Fluid Kinetics to discuss options.
 - CPL to provide drawings (April 2021) for submittal to DOH - discussed at board meeting held on 5/24/21.
 - Rob Rowe provided an update on 6/14/21 stating that the PLC has been repaired and is running well at this time. Rob Rowe feels comfortable removing this item from unfinished business – discussed at board meeting held on 6/28/21.

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.
- 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).

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.
- Joe Argona provided a quote from Milton-Cat (dated 6/25/2019) for the radiator (estimated amount \$41,626.25).
- In the case of malfunction with the back-up generators – this would be the alternative route:
- 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.

j. Interior Lighting

- High lift room has been updated by Ferguson Electric.
- Low lift room to be completed next – will likely be completed by Ferguson Electric due to the safety concerns of completing the work in-house.
- - discussed at board meeting held on 5/24/21.

k. HVAC Rooftop & Make Up Air

- Outdated units – need replacements – 4 out of the 5 units are inoperable.
- AC-1 – rooftop unit over Operations Control Room is now replaced and awaiting final installation items. Startup to be completed shortly (10/16/2018). -AC-1 is complete – 6/24/21.
- 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.
- Low lift lighting has begun (in-house repairs are being completed on straight time).
- Joe Argona explained his department is waiting for clarification from the safety specialist prior to proceeding – discussed at board meeting held on 6/28/21.

- Joe Argona to provide pricing – discussed at board meeting held on 6/28/21.
- June 30, 2021 Quote for MUAUs totals \$263,222

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.
- In-house work completed regarding the necessary pipes and valves. SOP's have also been created for the new completed system.
- PACL liners have been replaced (unknown).
- - discussed at board meeting held on 5/24/21.

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 boarders 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.

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.

17. New Business & Additional Items for Discussion

- 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.**
- Carbon Silo needs repair and painting before it becomes unstable and needs demolishing.**
 - Polymer and Carbon capabilities could be reinstated to improve plant capability.**

- c. **WTP Rapid Mix System Upgrade - We are only able to have one of our two rapid mixers connected to the emergency generator circuit. This requires us to have an electrician manually switch the circuits in order for operations to change over the rapid mixer for scheduled maintenance.**
- d. **Painting of Sedimentation plates and many various areas throughout the interior and exterior of the plant. Filter walls are peeling.**
- e. **WTP Chemical Offload Area Coating Replacement.**
- f. **Repairs to WTP Rear Perimeter Fence.**

18. Executive Session (if needed)

19. Adjournment of Meeting



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

Last Updated: 7/12/2021

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 and Scum Building improvements.
			CA/CI (CPL - Approved)	\$470,000	0%	
			GEN Construction (Hohl - Per Bid - Approved)	\$7,422,010	0%	
			ELEC Construction (CIR - Per Bid - Approved)	\$894,100	0%	
			Project Total	\$9,195,110	4%	
			Remaining Budget	\$1,194,890		
2	GPS	\$4,100,000	Design, Bidding, and CA/CI (GHD - Approved)	\$442,630	85%	Construction continues at GPS. Outfall Work complete. Approval pending on contract schedule extension requests.
			GEN Construction (STC - Per Bid - Approved)	\$2,653,000	31%	
			ELEC Construction (CIR - Per Bid - Approved)	\$418,300	11%	
			HVAC Construction (Danforth - Per Bid - Approved)	\$864,400	63%	
			Project Total	\$4,378,330	41%	
			Remaining Budget	(\$278,330)		
3	Screens and Grit Transportation Equipment Improvements	\$1,920,000	Design, Bidding, and CA/CI (Arcadis - Approved)	\$314,315	63%	Construction continues on demolition of existing sludge handling equipment in preparation for upgrades.
			GEN Construction (Hohl - Per Bid - Approved)	\$1,527,000	0%	
			ELEC Construction (CIR - Per Bid - Approved)	\$140,800	9%	
			Project Total	\$1,982,115	10%	
			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	86%	
5	Electrical System Improvements	\$2,610,000	Design/E.I. Team - Approved	\$176,600	100%	Bid opening held at 2:00 PM on July 15, 2021.
			Phase 2 Design - Approved	\$198,941	4%	
			CA/CI/TBD - Approved	\$65,374	0%	
			Const. - Per original project Budget (EI Team Estimates \$6M)	\$1,816,458	0%	
			Task 1 Construction - Ferguson - Approved	\$352,627	51%	
			Project Total	\$2,610,000	7%	
			Remaining Budget	\$0		

6	Effluent Disinfection	\$3,650,000	Design, Bid, and CI (AECOM - Approved)	\$190,233	94%	Construction Complete.
			GEN Construction (M&B - Per Bid - Approved)	\$1,366,000	52%	
			ELEC Construction (Ferguson - Per Bid - Approved)	\$108,000	98%	
			ELEC Construction (Ferguson - Approved Proposal - Network Improvements)	\$400,000	62%	
			CA/In-House - CPL (Included in current CPL term contract)	~ 5% or \$185,000 if by capital project engineer		
			Project Total	\$2,064,233	61%	
			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)	\$140,320	73%	Project awarded, NFWB currently finalizing contract. EI Team will provide construction phase services.
			ELEC Construction (CIR - Per Bid - Approved)	\$177,363	0%	
			HVAC Construction (Danforth - Per Bid - Approved)	\$782,000	0%	
			Running Total	\$1,099,683	9%	
			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.
			Design, Bidding, and CA/CI (JMD - Approved)	\$114,560	17%	
			Construction - (MLP - Per Bid - Approved)	\$428,300	0%	
			Running Total	\$602,630	13%	
			Remaining Budget	(\$37,370)		
10	SCADA Improvements	\$455,000	Phase 1 Design/ Construction/Kaman - Approved	\$352,450	43%	Kaman continues SCADA upgrade work and coordination with Capital Project Engineers. Ferguson Fiber Proposal provided for approval.
			Phase 2 Design/ Construction - Approved (For Project #6)	\$146,200		
			Running Total	\$498,650	43%	
			Remaining Budget	(\$43,650)		
Phase 1 Budget Total =		\$27,225,000	Anticipated Total Cost (Percentage of Total Budget)		\$24,238,537	
			Overall Phase 1 Remaining Budget to Date		\$2,986,463	

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	75%	Project #11 proceeding into construction phase.
			Const. (Danforth - Per Bid - Approved)	\$169,000	0%	
11B	Hypo and Sludge Improvements	\$975,000	11B Design, Bidding, and CA/CI (JMD - Approved)	\$52,965	22%	
			Const. (Danforth - Per Bid - Approved)	\$457,800	0%	
			Running Total	\$695,655	2%	
			Remaining Budget	\$504,345		
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		

ESTIMATED CONSTRUCTION SCHEDULE

NFWB CAPITAL IMPROVEMENT PROJECTS

Updated: (7-12-21)

Updated: (7-12-21)		
TASK DESCRIPTION	PLAN START	PLAN END
Project #1: Sedimentation Basin Upgrades (CPL) - CA/Ci Services Approved (10-26-20)		
Design and Bidding	5/22/2019	10/1/2020
Mobilization	11/1/2020	2/1/2021
Construction (Phase 1)	3/1/2021	11/30/2021
Construction (Phase 2)	3/1/2022	11/30/2022
Construction (Phase 3)	3/1/2023	11/30/2023
Construction (Phase 4)	3/1/2024	11/30/2024
Project #2 Gorge Pumping Station Rehab (GHD) - CA/Ci Services Approved (12-16-19)		
Design and Bidding	6/3/2019	6/27/2020
Construction	7/1/2020	7/1/2022
Project #3 Screens and Grit Transport (Arcadis) - CA/Ci Services Approved (10-26-20)		
Design and Bidding	5/30/2019	10/1/2020
Construction	11/1/2020	12/1/2021
Project #4 Activated Carbon Replacement (AECOM) - CA/Ci Services Approved (11-25-19)		
Design and Bidding	5/22/2019	2/22/2020
Construction	3/1/2020	9/1/2020
Project #5 Electrical System Improvements (EI Team) - CA/Ci Services Approved (9-28-20)		
Design and Bidding	4/25/2019	10/1/2020
Construction	11/1/2020	10/1/2021
Project #6 Effluent Disinfection (AECOM) - CA Services (Approved Previously)		
Design and Bidding	6/25/2019	2/1/2020
Construction	3/1/2020	4/1/2021
Project #7 HVAC Improvements (EI Team) - CA/Ci Services Approved (9-28-20)		
Design and Bidding	4/25/2019	1/1/2021
Construction	2/1/2021	10/1/2021
Project #8 Replacement of Blower Equipment (In House) - CA Services by AECOM and CPL		
Design and Bidding	2/1/2019	6/1/2019
Construction	7/1/2019	2/1/2020
Project #9 Replacement of Process Piping (JMD) - CA/Ci Services Approved (9-28-20)		
Design and Bidding	10/26/2019	3/26/2021
Construction	4/1/2021	11/1/2021
Project #10 SCADA Improvements (Kaman) - CA Services Not Required		
Design and Bidding	6/1/2019	12/1/2019
Construction	1/1/2020	11/1/2024
Project #11 WWTP Additional Piping (JMD) CA/Ci Services Approved (9-28-20)		
Design and Bidding	10/1/2019	3/26/2021
Construction	4/1/2021	11/1/2021
Project #99 WWTP Protective Measures - Project on Hold		
Design and Bidding	1/1/2019	7/1/2020
Construction	8/1/2020	6/1/2021

NFWB Financial Award Summary
Last Updated: 7/12/21

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. Bond closed with EFC, agreement pending. CPL to assist NFWB with payment reimbursements.
Sewer Plant Phase 1 Improvements	\$13,500,000 grant	NYS DASNY ID #15688	Awarded. Reimbursement requests underway with DASNY and money received.
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 requests for \$1.6 million is underway. Future request first required EFC approval of construction documents which is also underway.
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	Payment of first \$50,000 has been made. Second payment of \$50,000 approved by DEC and payment expected in near future.

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. CPL to work with staff to update projects as necessary. September 2021 application deadline.
2021 Various Sewer & System Improvements	\$5,300,000 total \$1,250,000 grant \$3,750,000 loan	NYS EFC	CPL to work with staff to prepare list of projects. Then discuss with NFWB if paperwork should be prepared for anticipation of September 2021 application process.
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 will be submitted by 7/30/21 for field investigations and report.
LaSalle Sewer Area Phase 2 Construction	\$1,118,000 total \$885,000 grant \$295,000 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 will be submitted by 7/30/21 for near term construction improvements.
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. October 2021 application deadline.



Office of the Executive Director

July 13, 2021

To: Board of Commissioners

From: Dr. Abderrahman Zehraoui, Executive Director

Subject: NFWB Federal Infrastructure Campaign

Introduction. In the short time that I have been working at the NFWB I have come to greatly appreciate your cooperation and the necessity of working together toward our common goal of providing clean drinking water to our customers and treating wastewater efficiently and in an environmentally conscious way. One important area of cooperation has been in the prioritization of the challenges facing our organization. There are some, of course, that are of the day-to-day type and others that have significant consequences not only fiscally but with their impact on the quality of life in our region.

Chief among the latter is the conversion of the wastewater treatment plant to a biological process, a project, with a price tag reaching \$200 million. Another important project involves widespread replacement of outdated 4" and 6" Mains and other significant improvements to the water transmission and distribution system, with this endeavor having an estimated budget of \$70 million.

Meanwhile, with an unprecedented and far-reaching federal infrastructure bill being negotiated in Washington D.C., and with these two projects in mind, I consulted with Rick Henry, President of Clark Patterson Lee, and asked him to develop a program for execution between now and September, essentially consisting of a "campaign" to maximize the chances of specific project approval. The choice of CPL is based on their previous achievement in successful grants award for other projects.

The Program. Here are the preliminary steps proposed.

1. Send an introductory letter from my office referencing my new position and making the case for the two identified projects -making it clear that we will be prepared to make two "asks" as described above. Letter recipients will include all relevant elected officials, and include a range of business, academic, and community leaders.
2. Specifically identify the two projects referenced above as:
 - The Niagara Falls NY international Wastewater Treatment Plant Conversion. Estimated cost, \$180 million to \$210 million.
 - City-wide Water Main Replacement Project, "Get the Lead Out." Estimated cost, \$50 million to \$70 million.



3. Agree upon a one page “bullet points” document to use as talking points and cover page of the ask to be submitted. Note: this is not a grant application, it is essentially a political document the objective of which is to obtain specific funding within the final adopted infrastructure bill.
4. Package the bullet points with the AECOM conversion study along with additional materials - prior news articles, Cuomo 2017 news releases, photographs, video links and other materials as the full presentation piece.
5. Arrange a well-publicized “launch” announcement – print, broadcast, and social media – Set date for no later than 7/31.
6. Secure letters of support from elected officials - federal, state, and local - and from business leaders, academic institutions, and the not-for-profit community.
7. Schedule “support” rally by local labor leaders and rank and file.
8. Conduct periodic press conferences and press releases.
9. Arrange personal appearances for me and Board Members at offices of Senator Schumer, Senator Gillibrand, Congressman Higgins, and others, as well as news editorial boards and regional opinion makers.
10. Other actions as required in the course of the next 6 to 8 weeks

METER SHOP MONTHLY SCHEDULE

First business day of the month, Bob Reid and Mike Macri begin drive-by readings. This takes approximately 3 days to complete. While this is going on the other employees are busy with appointments, and shop work, (repairing meters). They also are sometimes called to help OWS trace water lines and other duties.

After drive-by readings are completed, 2 men from the department take the nomad hand-held unit and attempt to capture the readings that did not transmit normally. This usually takes approximately 2 days to complete. Once the electronic data is collected, Bob prints out the reports and the shop will begin tagging properties where they are unable to collect readings. The tags indicate that a physical inspection of the meter is necessary. If property owners do not comply, and allow access, the property is tagged for shut-off. In accordance with the Water Charter, we can perform the shut-off in within 48 hours. Once we have gained access to inspect the meter, we can affect repairs and/or replacement. This is a time-consuming process that can take over two weeks.

Recently we have begun the Fire Service Survey. Gaining entry to inspect the properties fire service to determine if there is a Detector Check Meter. Once inspections have been completed, a report will be presented to the Board of Directors.

Wednesdays have been blocked out for Large (Industrial User) Meter Testing. The testing is also carried out on days when there a few or no appointments scheduled.

Niagara Falls Water Board
Personnel Actions and Report
Monday, July 26, 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
1	MW-2	Outside Water & Sewer	\$16.1956/hr \$33,686.85 yr	

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

D. OTHER PERSONNEL ACTIVITY FOR BOARD NOTIFICATION

Name	Position	Department/Location	Pay Rate	ADDITIONAL INFORMATION

E. PERSONNEL ON LONG TERM LEAVE OF ABSENCE

Name	Last Day Worked	Dept.	Return Status	Comments
James Joyce	1/5/2021	WWTP Maint	TBD	Workers Comp
Cortez Bradberry	4/13/2021	Outside Sewer	TBD	Workers Comp
Stephen LaGamba	7/16/2021	WWTP Lab	10/16/2021	LOA to accept position working for another county gov't
Kurt Smith	6/8/2021	WTP - Ins Maint	7/12/2021	FMLA



Revenue Budget Performance Report

Fiscal Year to Date 06/30/21

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 Total
Fund	FA - Water Board - Water									
	REVENUE									
	<i>Departmental Income</i>									
2122.001	Visual Inspections	42,350.00	.00	42,350.00	3,722.50	.00	26,162.50	16,187.50	62	47,225.00
2140.001	District 1	1,671,340.00	.00	1,671,340.00	2,072.94	.00	791,984.40	879,355.60	47	1,578,800.21
2140.002	District 2	1,967,868.00	.00	1,967,868.00	1,562.01	.00	937,060.03	1,030,807.97	48	1,947,208.66
2140.003	District 3	1,485,143.00	.00	1,485,143.00	390,673.07	.00	747,446.83	737,696.17	50	1,455,728.44
2140.004	Non-Resident	23,920.00	.00	23,920.00	5,076.02	.00	(28,232.69)	52,152.69	-118	30,633.20
2140.005	Industrial	2,574,781.00	.00	2,574,781.00	450.00	.00	1,205,303.60	1,369,477.40	47	2,358,805.11
2140.006	Industrial SIU	2,074,065.00	.00	2,074,065.00	75.00	.00	1,200,584.37	873,480.63	58	2,219,210.91
2140.008	Hydrant Usage	5,412.00	.00	5,412.00	133.70	.00	5,306.80	105.20	98	5,415.58
2140.599	Miscellaneous Departmental Incom	15,000.00	.00	15,000.00	.00	.00	332.39	14,667.61	2	4,250.00
2141.000	Allowance for Unpaid Trfd	(150,000.00)	.00	(150,000.00)	.00	.00	22,280.46	(172,280.46)	-15	(75,236.01)
2144.003	Fire Service	94,000.00	.00	94,000.00	.00	.00	.00	94,000.00	0	88,830.60
2144.005	Service Charge	480,822.00	.00	480,822.00	24,729.10	.00	225,032.04	255,789.96	47	451,886.56
2144.006	Lab Analysis	39,220.00	.00	39,220.00	5,510.50	.00	16,270.50	22,949.50	41	45,710.28
2144.008	Missing Meter Charge	40,350.00	.00	40,350.00	1,560.50	.00	16,961.50	23,388.50	42	18,854.00
2144.009	Mtr Install/Reinstall/Reactivate	15,220.00	.00	15,220.00	100.00	.00	2,375.00	12,845.00	16	8,625.00
2144.010	Final Meter Read/Inspect	10,500.00	.00	10,500.00	2,000.00	.00	9,775.00	725.00	93	16,100.00
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	1,020.00	.00	3,400.00	3,430.00	50	4,143.48
2144.599	City of NF-Safety Specialist	.00	.00	.00	.00	.00	.00	.00	+++	66,052.69
2148.001	District 1	70,000.00	.00	70,000.00	(379.09)	.00	22,650.63	47,349.37	32	67,291.99
2148.002	District 2	45,092.00	.00	45,092.00	(57.29)	.00	16,749.75	28,342.25	37	43,056.40
2148.003	District 3	48,880.00	.00	48,880.00	17,782.89	.00	38,520.70	10,359.30	79	44,246.04
2148.004	Non-Resident	5,000.00	.00	5,000.00	.00	.00	426.81	4,573.19	9	791.32
2148.005	Industrial	16,200.00	.00	16,200.00	.00	.00	4,431.56	11,768.44	27	24,141.76
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	.02	.00	(21.76)	3,525.76	-1	3,250.72
	<i>Departmental Income Totals</i>	\$10,591,797.00	\$0.00	\$10,591,797.00	\$456,031.87	\$0.00	\$5,273,169.72	\$5,318,627.28	50%	\$10,459,359.99
	<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	215,064.00
	<i>Intergovernmental Charges Totals</i>	\$225,817.00	\$0.00	\$225,817.00	\$0.00	\$0.00	\$0.00	\$225,817.00	0%	\$215,064.00
	<i>Use Of Money & Property</i>									
2401.000	Interest Earnings	90,000.00	.00	90,000.00	.00	.00	854.38	89,145.62	1	21,232.12
	<i>Use Of Money & Property Totals</i>	\$90,000.00	\$0.00	\$90,000.00	\$0.00	\$0.00	\$854.38	\$89,145.62	1%	\$21,232.12
	<i>Licenses And Permits</i>									
2550.006	Cellular Towers	230,000.00	.00	230,000.00	18,366.44	.00	107,032.56	122,967.44	47	223,537.03
2590.004	Hydrant Permits & Rentals	16,800.00	.00	16,800.00	572.29	.00	8,844.57	7,955.43	53	5,892.07
	<i>Licenses And Permits Totals</i>	\$246,800.00	\$0.00	\$246,800.00	\$18,938.73	\$0.00	\$115,877.13	\$130,922.87	47%	\$229,429.10



Revenue Budget Performance Report

Fiscal Year to Date 06/30/21

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 Total
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	2,745.69	.00	3,427.31	4,572.69	43	3,001.37
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	\$2,745.69	\$0.00	\$3,427.31	\$7,427.69	32%	\$3,281.37
	<i>Misc Local Sources</i>									
2701.000	Refund Appro Exp Prior Yr	.00	.00	.00	.00	.00	(674.70)	674.70	+++	1,123.54
2770.001	NSF Check Charge	5,000.00	.00	5,000.00	560.00	.00	3,815.00	1,185.00	76	9,170.00
2770.599	Undesignated	10,500.00	.00	10,500.00	.00	.00	.00	10,500.00	0	2,029.28
	<i>Misc Local Sources Totals</i>	\$15,500.00	\$0.00	\$15,500.00	\$560.00	\$0.00	\$3,140.30	\$12,359.70	20%	\$12,322.82
	<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
	<i>Interfund Revenues Totals</i>	\$237,500.00	\$0.00	\$237,500.00	\$0.00	\$0.00	\$0.00	\$237,500.00	0%	\$0.00
	<i>Operating Transfers In</i>									
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	\$0.00	\$125,000.00	\$0.00	\$0.00	\$0.00	\$125,000.00	0%	\$0.00
	REVENUE TOTALS	\$11,543,269.00	\$0.00	\$11,543,269.00	\$478,276.29	\$0.00	\$5,396,468.84	\$6,146,800.16	47%	\$10,940,689.40
Fund	FA - Water Board - Water Totals	\$11,543,269.00	\$0.00	\$11,543,269.00	\$478,276.29	\$0.00	\$5,396,468.84	\$6,146,800.16		\$10,940,689.40
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
	<i>Operating Transfers In Totals</i>	\$25,000.00	\$0.00	\$25,000.00	\$0.00	\$0.00	\$0.00	\$25,000.00	0%	\$0.00
	REVENUE TOTALS	\$25,000.00	\$0.00	\$25,000.00	\$0.00	\$0.00	\$0.00	\$25,000.00	0%	\$0.00
Fund	FGA - Water Authority Totals	\$25,000.00	\$0.00	\$25,000.00	\$0.00	\$0.00	\$0.00	\$25,000.00		\$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
	<i>Operating Transfers In Totals</i>	\$68,920.00	\$0.00	\$68,920.00	\$0.00	\$0.00	\$0.00	\$68,920.00	0%	\$70,000.00
	REVENUE TOTALS	\$68,920.00	\$0.00	\$68,920.00	\$0.00	\$0.00	\$0.00	\$68,920.00	0%	\$70,000.00
Fund	FGB - Water Board Totals	\$68,920.00	\$0.00	\$68,920.00	\$0.00	\$0.00	\$0.00	\$68,920.00		\$70,000.00
Fund	GA - Water Board - Sewer									
	REVENUE									
	<i>Departmental Income</i>									
2120.001	District 1	2,146,410.00	.00	2,146,410.00	1,853.73	.00	1,048,600.49	1,097,809.51	49	2,105,684.70
2120.002	District 2	2,514,064.00	.00	2,514,064.00	2,068.17	.00	1,243,720.74	1,270,343.26	49	2,580,836.71
2120.003	District 3	1,862,688.00	.00	1,862,688.00	525,246.32	.00	998,524.29	864,163.71	54	1,944,778.52
2120.005	Industrial CSIRU	4,035,200.00	.00	4,035,200.00	.00	.00	1,600,082.37	2,435,117.63	40	3,165,994.19
2120.006	Industrial SIU	8,365,632.00	.00	8,365,632.00	1,112,854.73	.00	4,841,650.90	3,523,981.10	58	10,811,521.13



Revenue Budget Performance Report

Fiscal Year to Date 06/30/21

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 Total
Fund GA - Water Board - Sewer										
REVENUE										
<i>Departmental Income</i>										
2120.007	Waste Hauler Fees	3,000.00	.00	3,000.00	.00	.00	3,225.00	(225.00)	108	.00
2120.008	Hydrant Usage	6,656.00	.00	6,656.00	177.02	.00	7,553.27	(897.27)	113	8,131.87
2120.102	Town Of Niagara	675,000.00	.00	675,000.00	.00	.00	338,619.28	336,380.72	50	792,882.19
2122.001	Visual Inspections	.00	.00	.00	.00	.00	.00	.00	+++	(60.00)
2122.002	Dye Tests	41,102.00	.00	41,102.00	3,722.50	.00	26,162.50	14,939.50	64	47,285.00
2128.001	District 1	84,090.00	.00	84,090.00	(617.82)	.00	29,428.94	54,661.06	35	88,408.50
2128.002	District 2	60,870.00	.00	60,870.00	(98.76)	.00	22,209.86	38,660.14	36	56,332.50
2128.003	District 3	68,300.00	.00	68,300.00	23,484.98	.00	50,426.92	17,873.08	74	58,230.13
2128.005	Industrial	15,000.00	.00	15,000.00	.00	.00	5,995.65	9,004.35	40	33,632.76
2128.006	Industrial SIU	19,100.00	.00	19,100.00	.00	.00	12,701.96	6,398.04	67	7,287.99
2141.000	Allowance for Unpaid Trfd	20,715.00	.00	20,715.00	.00	.00	29,248.05	(8,533.05)	141	(93,822.13)
<i>Departmental Income Totals</i>		\$19,917,827.00	\$0.00	\$19,917,827.00	\$1,668,690.87	\$0.00	\$10,258,150.22	\$9,659,676.78	52%	\$21,607,124.06
<i>Use Of Money & Property</i>										
2401.000	Interest Earnings	80,500.00	.00	80,500.00	.00	.00	632.25	79,867.75	1	15,712.05
<i>Use Of Money & Property Totals</i>		\$80,500.00	\$0.00	\$80,500.00	\$0.00	\$0.00	\$632.25	\$79,867.75	1%	\$15,712.05
<i>Licenses And Permits</i>										
2590.006	SIU 5-Yr Permits	6,250.00	.00	6,250.00	.00	.00	750.00	5,500.00	12	7,750.00
<i>Licenses And Permits Totals</i>		\$6,250.00	\$0.00	\$6,250.00	\$0.00	\$0.00	\$750.00	\$5,500.00	12%	\$7,750.00
<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
2690.001	Damages to WB Property	84,525.00	.00	84,525.00	.00	.00	.00	84,525.00	0	308,396.73
<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%	\$309,650.24
<i>Misc Local Sources</i>										
2701.000	Refund Appro Exp Prior Yr	(7,800.00)	.00	(7,800.00)	.00	.00	(40,943.64)	33,143.64	525	1,520.03
2770.599	Undesignated	.00	.00	.00	.00	.00	1,397.40	(1,397.40)	+++	4,239.47
<i>Misc Local Sources Totals</i>		(\$7,800.00)	\$0.00	(\$7,800.00)	\$0.00	\$0.00	(\$39,546.24)	\$31,746.24	507%	\$5,759.50
REVENUE TOTALS		\$20,084,452.00	\$0.00	\$20,084,452.00	\$1,668,690.87	\$0.00	\$10,219,986.23	\$9,864,465.77	51%	\$21,946,445.85
Fund GA - Water Board - Sewer Totals		\$20,084,452.00	\$0.00	\$20,084,452.00	\$1,668,690.87	\$0.00	\$10,219,986.23	\$9,864,465.77		\$21,946,445.85
Fund VFG - Plant Fund										
REVENUE										
<i>Use Of Money & Property</i>										
2401.000	Interest Earnings	1,100,000.00	.00	1,100,000.00	.00	.00	153,296.59	946,703.41	14	607,753.09
<i>Use Of Money & Property Totals</i>		\$1,100,000.00	\$0.00	\$1,100,000.00	\$0.00	\$0.00	\$153,296.59	\$946,703.41	14%	\$607,753.09
<i>Misc Local Sources</i>										
2710.000	Bond Premium	.00	.00	.00	.00	.00	.00	.00	+++	190,749.58



Revenue Budget Performance Report

Fiscal Year to Date 06/30/21

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 Total
Fund	VFG - Plant Fund									
	REVENUE									
	<i>Misc Local Sources Totals</i>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	+++	\$190,749.58
	<i>Proceeds Of Obligations</i>									
4990.000	Grant Revenue	.00	.00	.00	.00	.00	598,754.30	(598,754.30)	+++	1,242,975.58
	<i>Proceeds Of Obligations Totals</i>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$598,754.30	(\$598,754.30)	+++	\$1,242,975.58
	<i>Operating Transfers In</i>									
5031.FA	Transfer Fr Water Divisn.	2,182,651.00	.00	2,182,651.00	.00	.00	46,485.81	2,136,165.19	2	3,892,807.20
	<i>Operating Transfers In Totals</i>	\$2,182,651.00	\$0.00	\$2,182,651.00	\$0.00	\$0.00	\$46,485.81	\$2,136,165.19	2%	\$3,892,807.20
	REVENUE TOTALS	\$3,282,651.00	\$0.00	\$3,282,651.00	\$0.00	\$0.00	\$798,536.70	\$2,484,114.30	24%	\$5,934,285.45
Fund	VFG - Plant Fund Totals	\$3,282,651.00	\$0.00	\$3,282,651.00	\$0.00	\$0.00	\$798,536.70	\$2,484,114.30		\$5,934,285.45
	Grand Totals	\$35,004,292.00	\$0.00	\$35,004,292.00	\$2,146,967.16	\$0.00	\$16,414,991.77	\$18,589,300.23		\$38,891,420.70



Expense Budget Performance Report

Fiscal Year to Date 06/30/21

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 Total
Fund	GA - Water Board - Sewer									
	EXPENSE									
	<i>Personnel - Position Control</i>									
0110.000	Biweekly Payroll	2,801,679.00	.00	2,801,679.00	208,446.71	.00	1,255,059.72	1,546,619.28	45	2,732,640.52
0153.000	Stipend	.00	.00	.00	461.54	.00	1,038.46	(1,038.46)	+++	96.15
	<i>Personnel - Position Control Totals</i>	\$2,801,679.00	\$0.00	\$2,801,679.00	\$208,908.25	\$0.00	\$1,256,098.18	\$1,545,580.82	45%	\$2,732,736.67
	<i>Personnel Services</i>									
0111.000	Biwkly Comp Differential	.00	.00	.00	1,844.88	.00	5,885.51	(5,885.51)	+++	1,815.45
0125.000	Insurance OPT Out	122,148.00	.00	122,148.00	8,198.70	.00	56,110.72	66,037.28	46	106,042.52
0130.000	Temporary Payroll	111,964.00	(13,691.00)	98,273.00	11,662.50	.00	79,212.50	19,060.50	81	152,392.08
0140.000	Overtime	223,300.00	.00	223,300.00	9,675.51	.00	71,251.54	152,048.46	32	209,525.63
0150.000	Acting Next-In-Rank Pay	12,480.00	.00	12,480.00	1,497.42	.00	8,705.72	3,774.28	70	16,745.53
0151.A	Sunday Contractual Pay	.00	.00	.00	3,715.99	.00	23,891.85	(23,891.85)	+++	48,822.12
0152.000	Shift Premium Pay	8,500.00	.00	8,500.00	16.03	.00	140.39	8,359.61	2	8,726.30
0155.A	Holiday Contractual Pay	.00	.00	.00	3,474.71	.00	10,153.14	(10,153.14)	+++	30,362.61
0155.000	Holiday Pay	9,298.00	.00	9,298.00	7,772.29	.00	30,236.20	(20,938.20)	325	88,104.86
0165.000	Military Leave	.00	.00	.00	330.20	.00	3,685.68	(3,685.68)	+++	3,298.05
0170.000	Overtime Meals	6,225.00	.00	6,225.00	238.75	.00	2,088.25	4,136.75	34	5,607.30
0181.000	Vacation Pay	.00	.00	.00	7,012.70	.00	83,877.13	(83,877.13)	+++	158,348.24
0182.000	Personal Time	.00	.00	.00	238.88	.00	3,036.93	(3,036.93)	+++	6,653.37
0183.000	Compensatory Time Off	.00	.00	.00	293.41	.00	2,947.84	(2,947.84)	+++	7,036.30
0184.000	Funeral Leave	.00	.00	.00	.00	.00	3,186.25	(3,186.25)	+++	8,517.36
0185.000	Jury Duty	.00	.00	.00	.00	.00	3,560.92	(3,560.92)	+++	.00
0186.000	Call-In Time	7,750.00	.00	7,750.00	1,123.62	.00	9,881.99	(2,131.99)	128	19,756.26
0189.000	Sick Leave	.00	.00	.00	5,064.55	.00	34,801.09	(34,801.09)	+++	78,021.67
0197.000	Compensated Absences	.00	.00	.00	.00	.00	.00	.00	+++	(2,661.10)
	<i>Personnel Services Totals</i>	\$501,665.00	(\$13,691.00)	\$487,974.00	\$62,160.14	\$0.00	\$432,653.65	\$55,320.35	89%	\$947,114.55
	<i>Capital Outlays</i>									
0220.000	Office Equipment	.00	.00	.00	.00	.00	.00	.00	+++	500.00
0230.000	Motor Vehicle Equipment	.00	.00	.00	.00	.00	.00	.00	+++	7,178.78
0250.500	Safety Equipment	25,000.00	.00	25,000.00	285.64	1,409.48	8,065.73	15,524.79	38	20,403.72
	<i>Capital Outlays Totals</i>	\$25,000.00	\$0.00	\$25,000.00	\$285.64	\$1,409.48	\$8,065.73	\$15,524.79	38%	\$28,082.50
	<i>Contractual Expenses</i>									
0411.000	Office Supplies	2,750.00	.00	2,750.00	89.75	132.58	648.36	1,969.06	28	2,836.56
0412.000	Uniforms	2,170.00	.00	2,170.00	.00	.00	.00	2,170.00	0	2,172.22
0413.000	Safety Shoes	10,400.00	.00	10,400.00	600.00	.00	2,757.90	7,642.10	27	7,597.78
0414.000	Automotive-Gas,Oil,Grease	40,000.00	.00	40,000.00	5,603.74	.00	12,248.08	27,751.92	31	18,111.24
0416.000	Consumable Printed Forms	700.00	.00	700.00	.00	.00	378.75	321.25	54	328.95
0417.000	Tool Allowance	300.00	.00	300.00	.00	.00	.00	300.00	0	450.00
0419.001	Automotive Parts	25,000.00	.00	25,000.00	1,340.39	7,416.63	10,968.56	6,614.81	74	40,793.57
0419.003	Cleaning/Sanitary	5,000.00	.00	5,000.00	518.00	1,063.00	3,716.05	220.95	96	4,720.22



Expense Budget Performance Report

Fiscal Year to Date 06/30/21

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 Total
Fund	GA - Water Board - Sewer									
	EXPENSE									
	<i>Contractual Expenses</i>									
0419.004	Agricultural/Botanical	40,000.00	.00	40,000.00	.00	.00	.00	40,000.00	0	40,000.00
0419.005	Tools & Machine Parts	207,100.00	.00	207,100.00	8,515.67	78,814.74	47,973.56	80,311.70	61	186,056.73
0419.006	Construction/Repair	142,500.00	.00	142,500.00	8,993.74	15,512.47	25,471.74	101,515.79	29	133,694.29
0419.008	Signals/Communication	5,000.00	.00	5,000.00	.00	.00	.00	5,000.00	0	3,100.50
0419.009	Misc Chemicals	19,500.00	.00	19,500.00	1,681.98	2,000.00	6,449.11	11,050.89	43	17,518.67
0419.010	Laboratory	26,000.00	.00	26,000.00	447.65	6,397.88	8,967.35	10,634.77	59	16,776.29
0419.012	Carbon	110,000.00	.00	110,000.00	.00	.00	.00	110,000.00	0	97,587.50
0419.014	Ferric Chloride	410,000.00	.00	410,000.00	37,824.35	22,456.07	182,543.93	205,000.00	50	378,533.24
0419.016	Primary Polymer	120,000.00	.00	120,000.00	.00	50,000.00	.00	70,000.00	42	73,392.00
0419.017	Sludge Polymer	110,000.00	.00	110,000.00	.00	5,080.00	49,920.00	55,000.00	50	54,080.00
0419.018	Pebble Lime	230,000.00	.00	230,000.00	8,715.81	44,930.93	65,069.07	120,000.00	48	163,779.63
0419.024	Hypochlorite Solution	2,500,000.00	.00	2,500,000.00	190,526.53	875.84	999,124.16	1,500,000.00	40	2,850,681.28
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	.00	49,000.00	6,167.51	6,439.94	17,232.67	25,327.39	48	46,632.10
0421.001	Phone Extension Chgs	43,925.00	.00	43,925.00	3,211.53	.00	20,110.36	23,814.64	46	45,006.65
0421.002	Wireless Services	16,000.00	.00	16,000.00	773.83	.00	3,452.44	12,547.56	22	8,797.96
0422.000	Light & Power	633,000.00	.00	633,000.00	55,577.83	.00	292,551.05	340,448.95	46	646,690.84
0423.000	Water/Sewer	486,000.00	.00	486,000.00	.00	.00	162,950.74	323,049.26	34	601,623.00
0424.000	Gas	25,000.00	.00	25,000.00	.00	.00	11,956.78	13,043.22	48	21,518.63
0432.000	Property Insurance	142,500.00	.00	142,500.00	.00	.00	.00	142,500.00	0	217,113.48
0433.000	Liability Insurance	88,512.00	.00	88,512.00	(450.00)	.00	115,582.30	(27,070.30)	131	64,660.62
0440.003	Motor Vehicle Equipment	80,000.00	.00	80,000.00	6,302.80	500.00	37,816.80	41,683.20	48	74,739.66
0440.599	Undesignated Leases	1,050.00	.00	1,050.00	80.39	.00	534.89	515.11	51	834.63
0441.000	Rental Of Real Property	75.00	.00	75.00	41.00	.00	41.00	34.00	55	41.00
0442.000	Rental Of Equipment	14,000.00	.00	14,000.00	659.76	.00	2,621.86	11,378.14	19	16,935.00
0442.003	Motor Vehicle Equip Rentl	.00	9,565.00	9,565.00	562.01	.00	6,554.61	3,010.39	69	5,326.87
0442.599	Undesignated Rentals	2,700.00	.00	2,700.00	.00	1,107.36	792.64	800.00	70	2,347.14
0443.000	Repair Of Real Property	35,000.00	.00	35,000.00	1,642.50	4,663.08	13,496.28	16,840.64	52	14,520.09
0444.000	Repair Of Equipment	163,745.00	.00	163,745.00	10,603.05	7,289.92	35,693.27	120,761.81	26	132,356.92
0446.000	Computer Services	2,500.00	.00	2,500.00	349.98	.00	2,099.87	400.13	84	4,199.72
0449.000	Billing & Collection	42,500.00	.00	42,500.00	3,429.71	.00	20,578.30	21,921.70	48	42,642.58
0449.002	Sludge Disposal	1,750,000.00	.00	1,750,000.00	195,068.35	18,909.25	981,090.75	750,000.00	57	1,439,830.40
0449.004	Special Security	.00	.00	.00	.00	.00	.00	.00	+++	475.00
0449.500	Safety-Contractual	3,200.00	.00	3,200.00	1,811.23	.00	1,811.23	1,388.77	57	1,927.50
0449.599	Undesignated Services	157,000.00	21,500.00	178,500.00	11,228.44	42,454.55	35,766.84	100,278.61	44	136,147.89
0451.000	Consultants	73,762.00	.00	73,762.00	1,248.00	3,043.61	43,473.49	27,244.90	63	74,471.02
0454.000	Attorney Services	80,000.00	.00	80,000.00	.00	.00	18,219.12	61,780.88	23	45,945.70
0461.000	Postage	15,000.00	.00	15,000.00	1,121.87	.00	14,751.47	248.53	98	18,248.19



Expense Budget Performance Report

Fiscal Year to Date 06/30/21

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 Total
Fund	GA - Water Board - Sewer									
	EXPENSE									
	<i>Contractual Expenses</i>									
0463.000	Travel & Training Expense	8,320.00	(1,500.00)	6,820.00	75.00	.00	399.00	6,421.00	6	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	826.44	598.56	7,320.00	16	6,655.82
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	26.88	.00	196.35	303.65	39	352.44
0471.000	Recruitment Expenditures	400.00	.00	400.00	.00	.00	.00	400.00	0	278.80
	<i>Contractual Expenses Totals</i>	\$8,130,354.00	\$29,565.00	\$8,159,919.00	\$564,489.04	\$319,914.29	\$3,258,619.29	\$4,581,385.42	44%	\$7,767,171.82
	<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	415,226.83
0820.000	Worker's Compensation	262,000.00	.00	262,000.00	844.74	.00	(2,454.05)	264,454.05	-1	242,417.21
0830.000	Life Insurance	11,660.00	.00	11,660.00	.00	.00	5,428.29	6,231.71	47	12,204.15
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	1,125.00	.00	970,373.87	1,705,522.13	36	2,263,723.03
0861.000	Dental Insurance	28,400.00	.00	28,400.00	.00	.00	.00	28,400.00	0	62,446.75
0863.000	Vision Care Insurance	5,982.00	.00	5,982.00	.00	.00	2,418.11	3,563.89	40	5,838.92
0865.000	Chiropractic Insurance	965.00	.00	965.00	40.00	.00	320.00	645.00	33	1,040.00
	<i>Employee Benefits Totals</i>	\$3,393,591.00	\$0.00	\$3,393,591.00	\$2,009.74	\$0.00	\$1,082,842.05	\$2,310,748.95	32%	\$3,027,036.74
	<i>Employee Benefit - FICA</i>									
0810.000	Social Security	276,572.00	.00	276,572.00	20,226.65	.00	125,976.96	150,595.04	46	275,468.34
	<i>Employee Benefit - FICA Totals</i>	\$276,572.00	\$0.00	\$276,572.00	\$20,226.65	\$0.00	\$125,976.96	\$150,595.04	46%	\$275,468.34
	<i>Interfund Transfers</i>									
0900.FA	Transfer To Water Divisn.	.00	(20,000.00)	(20,000.00)	.00	.00	.00	(20,000.00)	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	.00	.00	69,728.71	4,143,194.29	2	4,418,229.00
	<i>Interfund Transfers Totals</i>	\$4,955,591.00	(\$20,000.00)	\$4,935,591.00	\$0.00	\$0.00	\$69,728.71	\$4,865,862.29	1%	\$5,909,210.80
	EXPENSE TOTALS	\$20,084,452.00	(\$4,126.00)	\$20,080,326.00	\$858,079.46	\$321,323.77	\$6,233,984.57	\$13,525,017.66	33%	\$20,686,821.42
Fund	GA - Water Board - Sewer Totals	\$20,084,452.00	(\$4,126.00)	\$20,080,326.00	\$858,079.46	\$321,323.77	\$6,233,984.57	\$13,525,017.66		\$20,686,821.42
	Grand Totals	\$20,084,452.00	(\$4,126.00)	\$20,080,326.00	\$858,079.46	\$321,323.77	\$6,233,984.57	\$13,525,017.66		\$20,686,821.42



Expense Budget Performance Report

Fiscal Year to Date 06/30/21

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 Total
Fund	FA - Water Board - Water									
	EXPENSE									
	<i>Personnel - Position Control</i>									
0110.000	Biweekly Payroll	2,429,005.00	.00	2,429,005.00	162,144.80	.00	1,056,116.57	1,372,888.43	43	2,172,454.18
0153.000	Stipend	4,925.00	.00	4,925.00	922.96	.00	4,037.70	887.30	82	6,186.90
	<i>Personnel - Position Control Totals</i>	\$2,433,930.00	\$0.00	\$2,433,930.00	\$163,067.76	\$0.00	\$1,060,154.27	\$1,373,775.73	44%	\$2,178,641.08
	<i>Personnel Services</i>									
0111.000	Biwkly Comp Differential	.00	.00	.00	.00	.00	.00	.00	+++	874.00
0125.000	Insurance OPT Out	66,872.00	.00	66,872.00	4,696.86	.00	30,675.50	36,196.50	46	58,978.94
0130.000	Temporary Payroll	22,650.00	(4,180.00)	18,470.00	890.00	.00	1,175.14	17,294.86	6	46,732.45
0140.000	Overtime	75,319.00	.00	75,319.00	9,588.38	.00	33,762.99	41,556.01	45	74,576.14
0150.000	Acting Next-In-Rank Pay	.00	.00	.00	.00	.00	.00	.00	+++	453.00
0151.A	Sunday Contractual Pay	14,385.00	.00	14,385.00	1,380.48	.00	7,886.25	6,498.75	55	15,209.78
0152.000	Shift Premium Pay	.00	.00	.00	44.98	.00	145.83	(145.83)	+++	3,720.50
0155.A	Holiday Contractual Pay	6,950.00	.00	6,950.00	917.23	.00	2,675.12	4,274.88	38	7,253.15
0155.000	Holiday Pay	.00	.00	.00	9,204.21	.00	33,390.85	(33,390.85)	+++	87,393.01
0165.000	Military Leave	.00	.00	.00	.00	.00	.00	.00	+++	181.98
0170.000	Overtime Meals	2,505.00	.00	2,505.00	240.25	.00	891.25	1,613.75	36	1,835.70
0181.000	Vacation Pay	.00	.00	.00	12,646.62	.00	83,326.76	(83,326.76)	+++	151,996.50
0182.000	Personal Time	.00	.00	.00	371.85	.00	3,917.04	(3,917.04)	+++	9,190.14
0183.000	Compensatory Time Off	.00	.00	.00	327.77	.00	1,619.96	(1,619.96)	+++	3,030.11
0184.000	Funeral Leave	.00	.00	.00	.00	.00	1,736.75	(1,736.75)	+++	4,301.41
0186.000	Call-In Time	6,475.00	.00	6,475.00	585.22	.00	3,868.75	2,606.25	60	5,905.93
0189.000	Sick Leave	.00	.00	.00	6,728.93	.00	46,277.92	(46,277.92)	+++	63,583.63
0190.000	Vacation Cash Conversion	5,329.00	.00	5,329.00	.00	.00	.00	5,329.00	0	2,407.84
0197.000	Compensated Absences	.00	.00	.00	.00	.00	.00	.00	+++	(477.55)
	<i>Personnel Services Totals</i>	\$200,485.00	(\$4,180.00)	\$196,305.00	\$47,622.78	\$0.00	\$251,350.11	(\$55,045.11)	128%	\$537,146.66
	<i>Capital Outlays</i>									
0210.000	Furniture & Furnishings	500.00	1,500.00	2,000.00	639.71	.00	639.71	1,360.29	32	.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	.00	28,000.00	.00	.00	.00	28,000.00	0	8,070.85
0250.007	Computer Equipment	25,500.00	.00	25,500.00	600.64	4,850.91	2,644.85	18,004.24	29	26,769.90
0250.500	Safety Equipment	7,957.00	.00	7,957.00	.00	.00	1,084.04	6,872.96	14	11,840.71
	<i>Capital Outlays Totals</i>	\$148,457.00	\$1,500.00	\$149,957.00	\$1,240.35	\$4,850.91	\$6,367.60	\$138,738.49	7%	\$46,681.46
	<i>Contractual Expenses</i>									
0411.000	Office Supplies	15,200.00	.00	15,200.00	577.73	474.27	3,666.58	11,059.15	27	7,960.31
0412.000	Uniforms	2,050.00	.00	2,050.00	.00	.00	.00	2,050.00	0	2,277.39
0413.000	Safety Shoes	8,200.00	.00	8,200.00	912.65	.00	2,261.31	5,938.69	28	7,001.21
0414.000	Automotive-Gas,Oil,Grease	45,000.00	.00	45,000.00	6,603.45	227.00	16,017.63	28,755.37	36	21,951.35
0415.000	Fuel Oil	30,000.00	.00	30,000.00	.00	.00	8,083.56	21,916.44	27	.00



Expense Budget Performance Report

Fiscal Year to Date 06/30/21

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 Total
Fund	FA - Water Board - Water									
	EXPENSE									
	<i>Contractual Expenses</i>									
0416.000	Consumable Printed Forms	700.00	.00	700.00	.00	.00	378.76	321.24	54	1,136.68
0417.000	Tool Allowance	150.00	.00	150.00	.00	.00	.00	150.00	0	147.92
0419.001	Automotive Parts	20,000.00	.00	20,000.00	1,340.40	.00	7,467.89	12,532.11	37	31,904.21
0419.003	Cleaning/Sanitary	5,000.00	.00	5,000.00	1,225.42	1,462.60	1,462.60	2,074.80	59	909.91
0419.005	Tools & Machine Parts	77,500.00	.00	77,500.00	2,743.44	4,388.00	26,632.32	46,479.68	40	68,667.46
0419.006	Construction/Repair	174,000.00	.00	174,000.00	9,783.31	20,060.31	63,145.76	90,793.93	48	178,948.13
0419.009	Misc Chemicals	361,000.00	.00	361,000.00	40,641.48	34,743.81	183,563.13	142,693.06	60	347,499.53
0419.010	Laboratory	31,000.00	.00	31,000.00	5,606.20	530.40	10,370.04	20,099.56	35	28,357.67
0419.599	Undesignated Supplies	9,450.00	.00	9,450.00	149.50	960.20	2,993.14	5,496.66	42	5,372.37
0421.001	Phone Extension Chgs	25,000.00	.00	25,000.00	1,885.62	.00	9,330.86	15,669.14	37	23,416.55
0421.002	Wireless Services	16,000.00	.00	16,000.00	800.82	.00	5,324.49	10,675.51	33	12,869.93
0422.000	Light & Power	500,000.00	.00	500,000.00	55,008.87	.00	293,097.98	206,902.02	59	595,469.46
0423.000	Water/Sewer	698,000.00	.00	698,000.00	.00	.00	168,451.54	529,548.46	24	690,380.68
0424.000	Gas	20,000.00	.00	20,000.00	785.27	.00	10,107.35	9,892.65	51	12,722.92
0432.000	Property Insurance	85,000.00	.00	85,000.00	.00	.00	.00	85,000.00	0	144,742.32
0433.000	Liability Insurance	65,500.00	.00	65,500.00	.00	.00	97,052.95	(31,552.95)	148	60,495.65
0440.003	Motor Vehicle Equipment	84,000.00	.00	84,000.00	5,979.53	.00	37,493.52	46,506.48	45	77,979.04
0440.599	Undesignated Leases	1,050.00	.00	1,050.00	88.20	.00	582.89	467.11	56	1,279.10
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	659.74	.00	1,660.84	2,339.16	42	4,006.10
0442.003	Motor Vehicle Equip Rentl	5,000.00	8,306.00	13,306.00	562.00	.00	6,554.60	6,751.40	49	5,326.87
0442.599	Undesignated Rentals	5,000.00	.00	5,000.00	118.67	691.41	1,108.59	3,200.00	36	2,127.61
0444.000	Repair Of Equipment	23,700.00	.00	23,700.00	.00	598.12	3,537.44	19,564.44	17	23,127.87
0446.000	Computer Services	4,000.00	.00	4,000.00	349.97	.00	2,099.83	1,900.17	52	4,199.68
0446.008	Software Maint/Licenses	335,000.00	(20,000.00)	315,000.00	33,158.25	38,466.54	245,450.14	31,083.32	90	242,699.33
0449.000	Billing & Collection	42,500.00	.00	42,500.00	3,429.72	.00	20,578.28	21,921.72	48	42,642.65
0449.001	Sludge Removal	80,000.00	.00	80,000.00	.00	.00	.00	80,000.00	0	11,945.42
0449.003	Waste Disposal	.00	.00	.00	.00	.00	.00	.00	+++	427.78
0449.500	Safety-Contractual	1,300.00	.00	1,300.00	115.50	.00	115.50	1,184.50	9	1,927.50
0449.599	Undesignated Services	830,000.00	(1,500.00)	828,500.00	7,402.24	8,115.90	741,382.68	79,001.42	90	788,522.91
0451.000	Consultants	63,000.00	.00	63,000.00	1,248.00	.00	24,606.83	38,393.17	39	52,064.60
0454.000	Attorney Services	50,000.00	.00	50,000.00	.00	.00	17,729.10	32,270.90	35	51,278.42
0461.000	Postage	20,000.00	.00	20,000.00	1,121.88	.00	14,751.46	5,248.54	74	18,216.56
0463.000	Travel & Training Expense	13,800.00	.00	13,800.00	75.00	.00	2,287.20	11,512.80	17	6,099.99
0465.000	Laundry & Cleaning	3,000.00	.00	3,000.00	126.52	240.88	759.12	2,000.00	33	.00
0467.000	Advertising	500.00	.00	500.00	26.88	.00	153.42	346.58	31	352.43
0471.000	Recruitment Expenditures	800.00	.00	800.00	.00	.00	.00	800.00	0	458.98
<i>Contractual Expenses Totals</i>		\$3,755,400.00	(\$13,194.00)	\$3,742,206.00	\$182,526.26	\$110,959.44	\$2,030,283.33	\$1,600,963.23	57%	\$3,576,962.49



Expense Budget Performance Report

Fiscal Year to Date 06/30/21
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 Total
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	207,613.42
0820.000	Worker's Compensation	262,000.00	.00	262,000.00	583.82	.00	(1,615.40)	263,615.40	-1	241,731.08
0830.000	Life Insurance	8,931.00	.00	8,931.00	.00	.00	4,357.23	4,573.77	49	9,276.54
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	1,125.00	.00	619,176.30	953,705.70	39	1,396,089.43
0861.000	Dental Insurance	55,305.00	.00	55,305.00	.00	.00	.00	55,305.00	0	38,728.31
0863.000	Vision Care Insurance	4,240.00	.00	4,240.00	.00	.00	1,602.08	2,637.92	38	3,793.62
0865.000	Chiropractic Insurance	2,200.00	.00	2,200.00	160.00	.00	960.00	1,240.00	44	1,360.00
	<i>Employee Benefits Totals</i>	\$2,127,394.00	\$0.00	\$2,127,394.00	\$1,868.82	\$0.00	\$677,858.13	\$1,449,535.87	32%	\$1,922,732.22
	<i>Employee Benefit - FICA</i>									
0810.000	Social Security	215,454.00	.00	215,454.00	15,737.89	.00	97,808.47	117,645.53	45	202,487.51
	<i>Employee Benefit - FICA Totals</i>	\$215,454.00	\$0.00	\$215,454.00	\$15,737.89	\$0.00	\$97,808.47	\$117,645.53	45%	\$202,487.51
	<i>Interfund Transfers</i>									
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	.00	.00	46,485.81	2,011,165.19	2	2,945,486.00
	<i>Interfund Transfers Totals</i>	\$2,662,149.00	\$0.00	\$2,662,149.00	\$0.00	\$0.00	\$46,485.81	\$2,615,663.19	2%	\$3,962,807.20
	EXPENSE TOTALS	\$11,543,269.00	(\$15,874.00)	\$11,527,395.00	\$412,063.86	\$115,810.35	\$4,170,307.72	\$7,241,276.93	37%	\$12,427,458.62
Fund	FA - Water Board - Water Totals	\$11,543,269.00	(\$15,874.00)	\$11,527,395.00	\$412,063.86	\$115,810.35	\$4,170,307.72	\$7,241,276.93		\$12,427,458.62
	Grand Totals	\$11,543,269.00	(\$15,874.00)	\$11,527,395.00	\$412,063.86	\$115,810.35	\$4,170,307.72	\$7,241,276.93		\$12,427,458.62



Expense Budget Performance Report

Fiscal Year to Date 06/30/21

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 Total
Fund	FGB - Water Board									
	EXPENSE									
	<i>Contractual Expenses</i>									
0419.599	Undesignated Supplies	2,000.00	.00	2,000.00	126.26	.00	1,461.17	538.83	73	4,679.07
0451.000	Consultants	35,000.00	.00	35,000.00	23,059.57	.00	59,707.07	(24,707.07)	171	47,446.67
0454.000	Attorney Services	100,000.00	(200.00)	99,800.00	.00	.00	26,670.50	73,129.50	27	212,383.95
0459.000	Auditors	28,000.00	.00	28,000.00	.00	.00	19,000.00	9,000.00	68	17,000.00
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	4,134.00	.00	4,509.00	2,541.00	64	4,014.00
	<i>Contractual Expenses Totals</i>	\$172,300.00	\$0.00	\$172,300.00	\$27,319.83	\$0.00	\$111,369.78	\$60,930.22	65%	\$285,523.69
	EXPENSE TOTALS	\$172,300.00	\$0.00	\$172,300.00	\$27,319.83	\$0.00	\$111,369.78	\$60,930.22	65%	\$285,523.69
Fund	FGB - Water Board Totals	\$172,300.00	\$0.00	\$172,300.00	\$27,319.83	\$0.00	\$111,369.78	\$60,930.22		\$285,523.69
	Grand Totals	\$172,300.00	\$0.00	\$172,300.00	\$27,319.83	\$0.00	\$111,369.78	\$60,930.22		\$285,523.69

NFWB Live

Budget Amendments Report

From Date: 6/1/2021 - To Date: 6/30/2021

Account	G/L Date	Journal	Description	Increases	Decreases	Amended Balance
Fund: FA Water Board - Water						
Department: 0000 Revenue						
5031.GA - Transfer Fr Sewer Divisn.				Amended Balance as of: 6/1/2021		\$0.00
	06/15/2021	2021-00001865	TRANSFER FROM IT TO WWTP	\$20,000.00	\$0.00	\$20,000.00
				\$20,000.00	\$0.00	\$20,000.00
Department: 0000 Revenue Totals:				\$20,000.00	\$0.00	
Department: 8150 Information Technology						
Sub Department: 0000 .						
0446.008 - Software Maint/Licenses				Amended Balance as of: 6/1/2021		\$335,000.00
	06/15/2021	2021-00001865	TRANSFER FROM IT TO WWTP	\$0.00	\$20,000.00	\$315,000.00
				\$0.00	\$20,000.00	\$315,000.00
Sub Department: 0000 . Totals:				\$0.00	\$20,000.00	
Department: 8150 Information Technology Totals:				\$0.00	\$20,000.00	
Fund Totals: Water Board - Water				\$20,000.00	\$20,000.00	
Fund: GA Water Board - Sewer						
Department: 8130 Sewage Trtmt/Disposal						
Sub Department: 0100 Operations						
0449.599 - Undesignated Services				Amended Balance as of: 6/1/2021		\$17,000.00
	06/15/2021	2021-00001865	TRANSFER FROM IT TO WWTP	\$20,000.00	\$0.00	\$37,000.00
				\$20,000.00	\$0.00	\$37,000.00
Sub Department: 0100 Operations Totals:				\$20,000.00	\$0.00	
Department: 8130 Sewage Trtmt/Disposal Totals:				\$20,000.00	\$0.00	
Department: 9901 Interfund Transfers						
Sub Department: 0000 .						
0900.FA - Transfer To Water Divisn.				Amended Balance as of: 6/1/2021		\$0.00
	06/15/2021	2021-00001865	TRANSFER FROM IT TO WWTP	\$0.00	\$20,000.00	(\$20,000.00)
				\$0.00	\$20,000.00	(\$20,000.00)
Sub Department: 0000 . Totals:				\$0.00	\$20,000.00	
Department: 9901 Interfund Transfers Totals:				\$0.00	\$20,000.00	
Fund Totals: Water Board - Sewer				\$20,000.00	\$20,000.00	
Grand Totals:				\$40,000.00	\$40,000.00	



Monthly O&M Report **For the Month of June 2021**

1. Treatment & Plant Maintenance

1.1. Water – Robert Rowe, updated 07/13/2021.

OPERATIONS AND MAINTENANCE

Total water production for the month of June was 648 million gallons. The average daily water production was 21.6 million gallons. The plant data summary table is included below for your reference.

2021 TOTALS AND AVERAGES

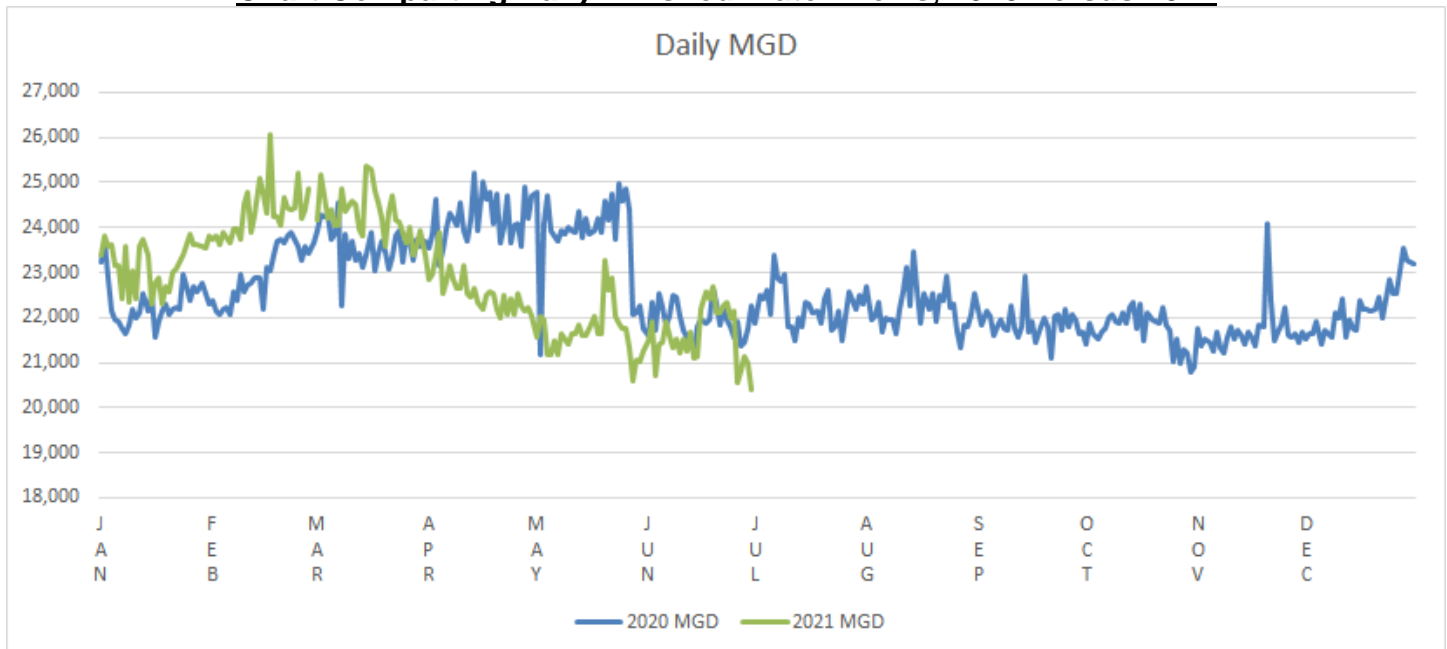
	R/W	PRE CL2	PACL	H2SiF6	PO4	POST CL2	F/W 1000 GAL/ DAY
	PUMPAGE	LBS	LBS	LBS	LBS	LBS	
JAN	719125	6987	157000	18691	1968	3939	23198
FEB	681002	6389	150200	18097	1847	3998	24322
MAR	752361	7210	177400	19096	1994	4684	24270
APR	677021	6706	129000	15693	1746	4322	22567
MAY	672042	7449	120700	15869	1819	4293	21679
JUN	647984	7631	96900	14000	1772	4054	21599
JUL	0	0	0	0	0	0	0
AUG	0	0	0	0	0	0	0
SEP	0	0	0	0	0	0	0
OCT	0	0	0	0	0	0	0
NOV	0	0	0	0	0	0	0
DEC	0	0	0	0	0	0	0
TOTAL	4149535	42372	831200	101446	11146	25290	137634



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 NTU	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							
AUG							
SEP							
OCT							
NOV							
DEC							
AVG	4.7	8.1	0.57	1.23	0.019	7.6	0.71

Operations and Maintenance Highlights

Seaweed season is slowing down, but still likely to create some overtime on nights and weekends to keep the Traveling Screens and Collection Baskets from plugging with the seaweed.

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 are 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.



1.2. Wastewater – Bob Dunn, Chief Operator- updated 7/13/2021.

Non-Compliance Violations: NONE

Sampling notes: None

OPERATIONAL and MAINTENANCE- Highlights

Project #1 – Work continues with the Isolation gates at the Buffalo Avenue side Basin 5. Forming has begun for concrete work on the side walls. Cleaning of Sludge Screw sump being accomplished to facilitate the screw replacement. Conduit being run for proximity switches to be installed on the tipping poles for each basins submerged chain and flight sections. Work still being

Project #2 – Gorge Pumping Station Rehab continues. Danforth still installing various portions of the HVAC. CIR working sporadically installing conduit and other components as the are received. Walls in Hydropneumatic tank room have been completed and the finished product looks amazing.

Project #3 – Polymer, Grit Screw Conveyor and Screening Conveyor progressing well. Glass wall demoed in the old Vacuum Filter room of the Solids Handling area. Structure is in place for concrete slabs. CIR continues running new conduit and wire chases for electrical wiring associated with project.

Projects #5 & 7- Project #5 is on the streets and we are awaiting potential bidders. No update on progress with Project #7.

Project #6 - Efforts are ongoing to fine tune the Hypo dosing, to make the best use of the chemical introduction at the proper time. Good progress being made and a fairly consistent Residual being maintained.

Project(s) #9 & 11 – Indoor/Outdoor Piping project Design has been finalized and is out on the streets for contractors. Pre-Bid Meeting was held, and a walk through was completed.

Operations and Maintenance personnel have continued to work diligently together, resulting in good overall plant performance and efficiency. Housekeeping remains a priority, to keep the facility looking good. All other Depts. are performing their duties as could be expected and overall plant condition is good.



WASTEWATER TREATMENT PLANT OPERATING DATA														
2021	FLOWS			Chlorine	Rainfall	SLUDGE		Polymer		FeCl3	LIME	H2O2	NaOCl	Grit
	INF/EFF	CBE	GPS	Residual		NET	LANDFILL	BFP	PRIM					
MONTH	MGD	MGD	MGD	PPM	inches	(Tons)		(Lbs)		(gals.)	(Tons)	(gals.)	(gals.)	(Tons)
January	32.12	41.31	13.50	2.2	0.3	2421.0	643.0	3664.0	4398.0	27380	121.8	0	367350	18.8
February	23.60	43.20	12.12	1.8	0.6	1721.0	518.0	2391.0	3107.0	19700	45.7	0	424560	12.0
March	24.32	45.57	12.00	2.0	0.7	2805.0	816.0	3397.0	3430.0	21380	79.0	0	301700	41.2
April	24.18	45.25	12.28	1.8	0.7	2150.0	582.0	2800.0	3335.0	22160	86.1	0	478895	26.0
May	20.59	42.66	11.12	1.6	0.8	1674.0	463.0	2334.0	3345.0	22500	69.8	0	697120	46.4
June	20.69	41.20	11.28	1.6	0.7	1735.0	524.0	2641.0	3363.0	21800	67.8	810	763300	65.3
July														
August														
September														
October														
November														
December														
Totals	24.25	43.20	12.05	1.8	3.8	12506.0	3546.0	17227.0	20978.0	134920	470.2	810	3032925	209.7

Explanation of data abbreviations:

INF: Influent

EFF: Effluent

CBE Carbon Bed Effluent

GPS: Gorge Pump Station

MGD: Millions of Gallons per Day

PPM: Parts Per Million

BFP: Belt Filter Press

PRIM: Primary

FeCl3: Ferric Chloride

H2O2: Peroxide

NaOCl: Sodium Hypochlorite

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	988.96	1280.77	418.58	2.2	0.0	2421.0	643.0	3664.0	4398.0	27380	121.8	0	367350	88.5
February	819.89	1187.62	387.49	2.2	2.2	2407.0	645.0	3502.0	4453.0	25990	110.3	0	382270	63.6
March	940.59	1369.46	439.96	2.2	2.3	2241.0	603.0	3007.0	4577.0	28140	83.2	0	576380	28.3
April	865.22	1294.50	404.40	2.1	2.6	1869.0	520.0	2985.0	4566.0	28647	90.6	0	415530	23.5
May	802.53	1193.30	393.25	2.0	2.3	1520.0	408.0	2758.0	4382.0	26220	75.1	0	445580	15.5
June	660.30	1186.66	439.42	1.9	2.3	1967.0	524.0	3305.0	4115.0	24120	108.4	0	478980	74.6
July	639.88	1142.70	430.00	2.1	1.7	1673.0	457.0	3371.0	3725.0	21800	88.1	0	588800	26.4
August	596.63	1077.83	369.06	2.2	1.5	1753.0	473.0	3920.0	3846.0	23000	113.2	0	692042	6.2
September	569.50	983.64	343.94	2.2	0.0	1426.7	430.6	2768.0	3806.4	21020	122.4	0	508210	16.1
October	631.44	983.46	338.29	2.1	0.0	1712.0	514.0	3314.0	4102.0	23980	107.9	0	671750	5.7
November	602.10	939.90	265.80	2.0	1.0	2208.0	693.0	3663.0	3477.0	20710	116.7	0	600580	9.6
December	968.16	1446.43	416.47	2.2	2.0	2555.0	711.0	3207.0	4826.0	26665	58.5	0	370865	25.9
Totals	9085.20	14086.27	4646.66	2.1	17.8	23752.7	6621.6	39464.0	50273.4	297672	1196.2	0	6098337	383.9

Note: Creation of Graphs for Year-to-Year Flow Comparisons in Progress: Jean M. Syverson 7/15/2021



2.1. Sewer Collection & Water Distribution Michael Eagler, updated 7/12/2021

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										
August										
September										
October										
November										
December										
Totals	716	199820	4392	833	12.1	23	18	16	20	16



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													
August													
September													
October													
November													
December													
Totals	50	67	57	15	24	43	11	53	1646	0	0	666	74

4575 camera footage 268 laterals 157 manholes inspected

3. Analytical Services

3.1 Water Laboratory –Patrick Fama, updated 06/02/2021

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

-May 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). All samples were within reporting limits.

-May quarterly sampling for Trihalomethanes and Haloacetic Acids was conducted, and all samples were within range. These samples were analyzed inhouse.



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: 6,647.
- No water main breaks were sampled in May. One community complaint required sampling. Results were all within normal limits.

3. Laboratory Concerns

- April 6th the DOH ELAP Assessor, Joann Salvin, conducted a virtual Laboratory Assessment. This is a biannual requirement. No significant findings were reported. The Laboratory submitted the required response on May 12, 2021. ELAP posted the assessment closeout letter May 13, 2021 with all responses found to be satisfactory.

-The laboratory Analyzed 44 Trihalomethanes and Haloacetic Acids samples for 17 Municipalities of Niagara County - The Laboratory also analyzed 9 samples for Total Organic Carbon and 9 required Wet chemistry analysis.

-The microbiology lab analyzed 16 samples from the Aquarium of Niagara's indoor and outdoor pools as well as three samples from the Village of Lewiston. All results were reported to the representative contacts.

- Revenue created to date is \$15,010.00.

3.2 Wastewater Laboratory - Brian Eldridge 7/12/2021

1. The data for June's State Pollutant Discharge Elimination System (SPDES) report is currently being compiled with no anticipated violations.
2. Final wet weather STHI sample was collected and sent to Test America for analysis.
3. Samples for the annual Priority Pollutant scan were collected and sent to Test America.



4. Customers & Compliance

4.1. Meter Shop – Bob Reid Updated 7/9/21

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						
AUGUST						
SEPTEMBER						
OCTOBER						
NOVEMBER						
DECEMBER						
TOTAL	640	10	46	0	1130	28571

METER READINGS:

DISTRICT 1	B.REID	M.MACRI	V.Virtuoso	J.PAUL	F.DERUBEIS	TOTAL
6/2/21	1711	1473				3184
6/3/21	1127	1084				2211
6/4/21					58	58
Total	2838	2557			58	5453
6/1/21						
Industrials	260	305				565
TOTAL	3098	2862			58	6018

Shop read 5453 residential meters for the month. Also obtained 565 Industrial Reads.



4.2. Industrial Monitoring / Enforcement – Joel Paradise updated 7/14/2021

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
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.



Industrial Monitoring / Enforcement 7/14/2021 (continued)

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.
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.
11. The quarterly mercury sampling in the collection system was completed as required on Monday, 7/11/2021.

5. Support Services

5.1. Safety – AFI Environmental (Pat Ackerman) 7/12/2021

- Renewed WNYCOSH training grant
- Conducted Hazardous Energy (LOTO) training at WTP.
 - WWTP training scheduled for 7/15
- Six outside crew members attending PESH Excavation Training through PERMA
- Replaced sensors and air filter in fixed gas meter at WWTP.
- Scheduled Powered Industrial Truck (Forklift) training for new hire.
- Discussed safety procedures for upgrading lights at WTP.
- Conducted safety walkdowns/audits.



6. Technical Services – Doug Williamson, updated 7/13/2021

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

The NFWB provided the DHSES a Schedule Extension Request letter for HMGP Project No.4204-0003, Phase II WWTP Protective Measures contract 68, based on the revised scope of work, on April 12th in order to proceed and possibly extend the grant for an additional 24 months.

A conference call was held with the DHSES and GHD on May 17th to discuss the revised design and the benefit to cost ratio required for the grant.

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

In June, we continued discussions regarding potential revisions to the LaSalle consent order. The final **Sanitary Sewer System Management Plan Year 12 Progress Evaluation** engineering report was submitted to the NYSDEC on September 11th and continues to be reviewed. A meeting was held to discuss the LaSalle Consent Order with the NYSDEC on June 28th.

The 2021 NYSDEC EPG grant application was submitted on February 11th.

The Final WQIP Engineering Report for the LaSalle Sewer System Improvements was received on March 3rd from Arcadis.

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

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

Project 1 Sedimentation Basins and Scum Collection System Modification - construction demolition is ongoing.

Project 2 GPS Rehabilitation progress meeting was held on June 16th. Construction has been ongoing with a few issues that are being addressed.

Project 3 Screenings and Grit Transport Equipment Improvements – progress meeting no.4 and no.5 were held on June 1st and 29th. Construction is ongoing.

Project 5 Electrical System Improvements pre-bid meeting was held on June 18th with the bid opening scheduled for July 15th.

Project 7 Replacement of Critical Heating & Ventilation Equipment – HVAC and Electrical construction re-bids and revised scope of work were approved at the March Board meeting. A pre-construction meeting has not been scheduled yet.

Project 9 Interior Piping Improvements Project 9 bid opening was held on June 15th and the contract was awarded at the June Board meeting.

Project 11 Exterior Piping Improvements contract was awarded at the May Board meeting.

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

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



6. Continued

The WWTP chlorine dioxide study was approved by the NYSDEC and AECOM's pilot operations and testing is planned to start in the summer of 2021.

We met with the NYSDEC on June 2nd regarding the SPDES permit revisions. We received a Request for Additional Sampling on March 25th from the NYSDEC to collect 10 effluent samples of normal discharge conditions and treatment operations that needs to be provided within 90 days.

The quarterly POTW advertisement was published in the Gazette on June 18th.

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

We received a second Notice of Violation from the NYSDEC for the WWTP Chemical Bulk Storage (CBS) Program on November 5th. The corrective actions were provided to the Region 9 office on December 7th. Updates on the progress were provided to the NYSDEC on January 21st and March 31st.

In June, we have been continuing with the corrective actions.

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

In June, we continued to work with GHD on the design report.

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

The Spring of 2021 Town of Niagara sewer flow monitoring (4-week period) was completed on April 12th, 2021 and the average flow calculation was determined.

8. **Stormwater Management**

The draft Annual Stormwater report was made available for review and comment until the May Board meeting. The Final report was submitted to the NYSDEC on May 25th. The WNYSC met in June. A letter of support was provided to the WNYSC on June 29th for a vacuum truck grant.

9. **Engineering Support**

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

10. **Capital Improvement Projects:**

In June, the **5 Year Capital Improvement Plan** and projects continued to be evaluated, updated and reviewed as needed with NFWB staff.



6. Continued

2021 OXIDIZER BUDGET

BUDGET = \$2,050,000.00 for year

COST = \$1,238,837.63 to date

% USED = 60.43% to date

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

COST = \$6,844.41 per day avg. \$206,472.91 per month avg.

22.7 Flow (MGD) 181 total days



WWTP DATA		OXIDIZER USAGE				SLUDGE REMOVAL			
MONTH	FLOW (MG)	H2O2 (GAL)	NaOCl (GAL)	GAL PER MG FLOW	TOTAL ESTIMATED COST	LANDFILL SLUDGE (TONS)	SOLIDS THROUGH PUT (%)	FERRIC CHLORIDE (TONS)	LIME (TONS)
Jan-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									
Aug-2021									
Sep-2021									
Oct-2021									
Nov-2021									
Dec-2021									
TOTALS	4,100.8	0	3,133,125	798	\$1,238,837.63	3,270.8	95.2	241.2	405.5

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)	NaOCl (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 7/12/2021

No WWTP security incidents were reported in May; the guards continue to screen contractors and visitors regarding COVID-19 and to restrict plant access. Coordination of work and truck deliveries during anticipated paving of Buffalo Avenue is being addressed.



8. INFORMATION TECHNOLOGY (I.T.) 7/12/2021

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 – Dino - All systems up.

Network WWTP – Dino - All systems up.

Network Gorge – Dino - All systems up.

Network – Wi-Fi – Dino - We will be adding Wi-Fi to both plants in the form of a secured production and secured Guest Wi-Fi network. Utilizing plant blueprints, we will install the APs in the most optimal locations to maximize Wi-Fi coverage. We will be restricting usage to only allow work related devices access and will setup a guest network for vendors and contractors, this will begin after we fully complete **Network WWTP**.

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

GPS – Joe – No issues to report.

Security Camera's – Bill-Carl-Clayton-Joe – have been working on logistics and looking over multiple deployment options to discuss the next steps. Please refer to Bill/Clayton/Carl for additional information.

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



MINUTES

Special Meeting of the Niagara Falls Water Board

June 17, 2021 7:30 PM

Note: This meeting was held via conference call pursuant to Governor Cuomo's Executive Order 202.1 as extended.

AGENDA

1. Attendance

Chairman Forster called the special meeting to order at 7:30 p.m.

a. Asklar P Forster P Kimble P Larkin P Leffler P

2. Discussion of Policy on Employee Absences

Chairman Forster states that the NFWB relaxed the employee absence policy in 2020 due to the pandemic; the board will re-enforce the policy in accordance with the CBA.

Mr. Accardo will report an updated listing of the current number of vaccinated employees at the working session held on June 21, 2021.

3. Update on WWTP Cameras

Chairman Forster notes that the NFWB invested in several cameras in 2018; a number of them are currently out of service. Dr. Zehraoui is going to begin obtaining quotes to correct the issues with cameras at the WWTP.

4. Entrance Gate Updates

The current software does not reflect the employee and/or the date/time of entrance and/or exit of the WTP or the WWTP.

Dr. Zehraoui is going to begin obtaining quotes to add the desired functionality to the gates.

5. Employee Reporting Times

Dr. Zehraoui is going to develop a notice to staff regarding start times for certain employees and requiring employees to have supervisor permission prior to leaving work sites, in order to promote efficiency and to meet the Water Board's operational needs.

6. Motion to enter into executive session for the following purposes:

- a. Discussion of matters leading to the appointment, employment, promotion, demotion, discipline, suspension, dismissal or removal of particular persons (Public Officers Law § 105(f));
- b. Legal consultation subject to attorney-client privilege (Public Officers Law § 108(3)).

Motion by Board Member Larkin and seconded by Board Member Asklar to enter executive session at 7:49 p.m.

Asklar __Y__ Forster __Y__ Kimble __Y__ Larkin __Y__ Leffler __Y__

Motion carries, 5-0

7. Adjournment of Meeting

Motion by Board Member Larkin and seconded by Board Member Asklar to enter the open meeting at 9:11 p.m.

Asklar __[audio issue]__ Forster __Y__ Kimble __Y__ Larkin __Y__ Leffler __Y__

Motion carries, 4-0

Motion by Board Member Larkin and seconded by Board Member Kimble to adjourn the meeting at 9:12 p.m.

Asklar __[audio issue]__ Forster __Y__ Kimble __Y__ Larkin __Y__ Leffler __Y__

Motion carries, 4-0



MINUTES

**Meeting of the Niagara Falls Water Board
June 28, 2021 at 5:00 p.m.
5815 Buffalo Avenue
Niagara Falls, NY 14304**

1. Preliminary Matters

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

a. Attendance:

Asklar (Board Member/Chairman of Finance) **P**

Forster (Chairman) **P**

Kimble (Board Member) **absent**

Larkin (Board Member/Vice Chairwoman/Governance Chairwoman) **P**

Leffler (Board Member) **P**

b. Comments from Chairman Forster

Chairman Forster had nothing new to discuss at this time.

c. Letters and Communications

- i. June 24, 2021 Letter from City Administrator Regarding Operation Agreement

d. Public Comments

There were no public speakers.

e. Approval of Minutes from May 24, 2021 Meeting

Motion by Board Member Leffler and seconded by Board Member Larkin to approve the May 24, 2021 meeting minutes.

Asklar __Y__ Forster __Y__ Kimble __absent__ Larkin __Y__ Leffler __Y__

Motion carried, 4-0

2. Executive Director – Dr. Abderrahman Zehraoui

Dr. Zehraoui provided an update from the NFWB's meeting with Cascades – held on 6/28/21. Dr. Zehraoui states Cascades is experiencing some infrastructure issues at its pretreatment plant and are requesting assistance through the Water Board accepting more SOC than allowed by Cascades permit while the pretreatment plant is restored. Dr. Zehraoui explains that he believes the repair process will take longer than the 3-month period Cascades originally mentioned – the anaerobic system takes time to acclimate.

Cascades original proposal to the NFWB was to by-pass their anaerobic system and send untreated wastewater to the NFWB. NFWB did not agree to this and the DEC also objected. Cascades must continue to run its wastewater through the available pretreatment system.

Mr. Costello notes some challenges with our chlorine supplier. The supplier is experiencing steep cost to procure the chemical supply for the NFWB – they have said this is causing them to lose money when they are delivering chlorine to the NFWB at their bid price. The supplier has not stated that they are unable to supply the NFWB with chlorine. Mr. Costello states that “economic hardship” does not warrant the breach of the original contract, therefore, the cost remains the same.

Dr. Zehraoui updated the Board members on his meeting with CPL on 6/24/21 regarding the hydraulic model study and his conclusions from the analysis.

Dr. Zehraoui also reviewed the LaSalle Sanitary Sewer Improvements Engineering Report with the Board members.

3. Superintendent – William Wright

Mr. Wright provided the board with an update from Neptune (Dave Johnson) regarding the NFWB's unaccounted for water. Mr. Wright explains a potential connection issue with our water meters only logging the first 4 digits of the meter read – with no log of the last 2 digits. Mr. Wright states that Neptune will on-site in July to meet with himself, Dr. Zehraoui and Mr. Majchrowicz to discuss this issue further and ensure that New World is properly connecting with Neptune and that the meter reads are being billed properly. Neptune communicated this may be a clerical error.

Mr. Wright explains the new industrial meter calibrator is in-house and the top 20 industrial meters will be completed by the end of October 2021 – weather permitting.

Mr. Wright requests two full time/temporary employees to assist the meter shop with additional reads.

Board Member Larkin inquires about the cost of potentially adding additional, full time/temporary employees to the meter shop.

Mr. Wright states the hourly rate would start at approximately \$21.00/hour and approximately an additional \$1.60/hour for medical insurance.

Dr. Zehraoui suggests ensuring that the potential additional assistance for the meter shop, remains under 20 hours/week.

Board Member Leffler requests a proposal, outlining all the necessary figures to potentially hire additional staff for the meter shop. Board Member Leffler notes how important it is to obtain the information from the large industrial meters throughout the city that have not been read in years.

Mr. Wright states maintaining the current work force in the meter shop will ensure all the residential meters are being kept up to date; allowing the additional assistance to focus on the large industrial meter reads.

Chairman Forster states that all individuals who have topics for discussion are to ensure that they are outlined on the agenda prior to the work session/board meeting.

Chairman Forster states, there are currently 5 individuals working in the meter shop – with 2 calibrators for the industrial meter reads. There are currently no shutoffs taking place at this time; also, no meters are being tagged (since Summer/Fall 2019).

Chairman Forster suggests ordering additional water meters, because when some of the industrial meters are calibrated – they may need to be removed/replaced due to age or if they contain lead, etc. Chairman Forster states that the meter shop has previously stated that they do not believe the approximate 70% unaccounted for water has any relation to the water meters. Chairman Forster explains he believes the water meters could very well be the issue – since some have not been calibrated since 1989. He notes that this matter may be related to an internal billing issue as well.

4. Engineering – Douglas Williamson

Mr. Williamson had nothing new to add at this time.

5. Personnel Items – John Accardo

a. June 28, 2021 Personnel Actions Sheet

Mr. Accardo seeks guidance from the board members regarding the Covid-19 mask wearing policy. Mr. Accardo mentions, to-date, there are currently 33 unvaccinated employees.

Mr. Costello does not recommend requiring employees to wear a badge or sticker to identify whether they have been vaccinated. Mr. Costello states that the NFWB is a small enough work force that if senior management is provided with a list of non-vaccinated employees – they can ensure that non-vaccinated employees continue to wear a mask in the workplace.

Motion by Board Member Larkin and seconded by Board Member Asklar to approve the June 28, 2021 Personnel Actions.

Asklar __Y__ Forster __abstain__ Kimble __absent__ Larkin __Y__ Leffler __Y__

Motion carried, 3-0-1.

The Board members would like to see the NFWB explore additional options for job postings; aside from the standard Niagara Gazette posting. Such as, LinkedIn, Indeed, etc.

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

Dr. Zehraoui had nothing new to report at this time.

7. Finance – Brian Majchrowicz

Mr. Majchrowicz states that Randy Shepard from The Bonadio Group will be present at the July 19, 2021 work session to review the NFWB's 2020 Audit. There then ensued some discussion about potentially moving that date because Dr. Zehraoui will not be present in person for the work session.

8. Questions Regarding May 2021 Operations and Maintenance Report

No questions were asked.

9. Safety – John Accardo

Mr. Accardo states he will have an update from AFI Environmental for the Board members at the July 2021 Board meeting.

10. General Counsel and Secretary – Sean Costello

Mr. Costello informs the board that Niagara Grid has voluntarily withdrawn a lawsuit that it filed against the NFWB – seeking approximately \$48,000 in damages related to a 2019 incident where the NFWB's excavator clipped the support wire of a utility pole; pulling down wires and transformers on a portion of Buffalo Ave. National Grid failed to comply with a requirement of the notice of claims statute. Mr. Costello filed a motion to dismiss. Rather than answer the motion and appear before a judge, National Grid chose to withdraw their claim.

Chairman Forster thanks Mr. Costello for a job well done.

11. From the Chairman

Chairman Forster seeks a motion to approve staff to enforce COVID-19 rules consistent with current CDC guidance, presently requiring employees and visitors who are not fully vaccinated to wear masks and socially distance and permitting fully vaccinated employees to wear face coverings if they choose, and directing that all supervisors and management are to enforce these rules.

Motion by Board Member Larkin and seconded by Board Member Leffler to approve the motion as stated by Chairman Forster.

Asklar __Y__ Forster __Y__ Kimble __absent__ Larkin __Y__ Leffler __Y__

Motion carried, 4-0.

12. Resolutions

2021-06-001 – GENERATOR PREVENTATIVE MAINTENANCE SERVICE AGREEMENT WITH KINSLEY POWER SYSTEMS

a. Kinsley Power Systems Proposal Revised June 22, 2021

Motion by Board Member Larkin and seconded by Board Member Asklar to table Resolution 2021-06-001 until further information is gathered as to whether this work can be performed in house.

Asklar __Y__ Forster __Y__ Kimble __absent__ Larkin __Y__ Leffler __Y__

Motion to table carried, 4-0.

2021-06-002 – ZERO COST CHANGE ORDER FOR EMERGENCY REPAIR CONTRACT

a. Memorandum from City Engineering

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

Asklar __Y__ Forster __Y__ Kimble __absent__ Larkin __Y__ Leffler __Y__

Motion carried, 4-0.

2021-06-003 – AWARD BID FOR WWTP PROJECT 9, INTERIOR PIPING IMPROVEMENTS

a. Engineer's Award Recommendation and Bid Tabulation

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

Asklar __Y__ Forster __Y__ Kimble __absent__ Larkin __Y__ Leffler __Y__

Motion carried, 4-0.

2021-06-004 – ACCEPTING CPL ENGINEERING SERVICES PROPOSAL FOR WATER LINE PROJECTS ON WHITNEY AVENUE AND 77TH STREET

a. CPL Proposal Dated June 1, 2021

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

Asklar __Y__ Forster __Y__ Kimble __absent__ Larkin __Y__ Leffler __Y__

Motion carried, 4-0.

2021-06-005 – CHANGE ORDER 1 AND FINAL FOR 21 INCH COMBINED SEWER REPAIR ON MCKOON AVENUE

a. Change Order Memorandum

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

Asklar __Y__ Forster __Y__ Kimble __absent__ Larkin __Y__ Leffler __Y__

Motion carried, 4-0.

2021-06-006 – PROCUREMENT OF E.H. WACHS VALVE MAINTENANCE TRAILER

a. E.H. Wachs Proposal

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

Asklar __Y__ Forster __Y__ Kimble __absent__ Larkin __Y__ Leffler __Y__

Motion carried, 4-0.

13. Additional Comments from Chairman Forster

Chairman Forster did not have any additional comments at this time.

14. 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.

b. Roof Study

- Jay Meyers from CPL stated this project is approximately 96% complete.
- Further review is needed in some areas – will be sure to report all findings to the board as soon as they are made available -- discussed at board meeting held on 5/24/21.

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.

d. Caulking Project WTP

- Exterior caulking of the WTP was completed in 2020.
- Interior caulking of the WTP is now needed
- Mr. Costello was tasked to solicit bids – requesting CPL to prepare the specifications.
- - discussed at board meeting held on 5/24/21.

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.

f. Lift Station Roofs

- Mr. Costello has been in contact with the maintenance department regarding the work that is needed; would prefer to keep the work in-house if possible - discussed at board meeting held on 5/24/21.
- *Mike Eagler met with Jay Meyers on 6/22/2021 to explore the possibility of installing roof trusses on flat roofs – discussed at board meeting held on 6/28/21.*

g. Program Logic Controller (PLC)

- (1) showing a processor error, (2) showing error - discussed at board meeting held on 5/24/21.
- *Rob Rowe provided an update on 6/14/21 stating that the PLC has been repaired and is running well at this time. Rob Rowe feels comfortable removing this item from unfinished business – discussed at board meeting held on 6/28/21.*

h. 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
- WTP Chief Operator (Rob Rowe) met with Fluid Kinetics to discuss options.
- CPL to provide drawings (April 2021) for submittal to DOH - discussed at board meeting held on 5/24/21.
- *Rob Rowe provided an update on 6/14/21 stating that Jay Meyers has emailed drawings to the DOH – waiting for a response – also noting the delay caused from the pandemic – discussed at board meeting held on 6/28/21.*

i. Emergency Backup Generators

- In need of repair – multiple issues with transfer gear and controls.
- 1 unit has been determined to need radiator parts/replacements.
- 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 quote from Milton-Cat (dated 6/25/2019) for the radiator (estimated amount \$41,626.25).*
- *In the case of malfunction with the back-up generators – this would be the alternative route:*
- *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.*

j. 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.
- *Rob Rowe provided an update on 6/14/21 stating that Tremco Roofing was on-site on 6/9/21 to evaluate the problem areas of the WTP roofs and will provide update soon – discussed at board meeting held on 6/28/21.*

k. Replacement of the outdated CO2 detection system.

- Units are in house for installation and work is progressing (unknown).
- - discussed at board meeting held on 5/24/21.
- *Rob Rowe provided an update on 6/14/21 stating that the new CO2 detection system has been installed. Rob Rowe had a meeting with a representative on 6/18/21 to review the installation and discuss the start-up – discussed at board meeting held on 6/28/21.*

l. Backflow Preventers

- Need to be tested/repaired/replaced yearly or as necessary.
- Larger units may cause the plant to lose chlorine capabilities – will now be tied in with chlorine system – experiencing pressure related issues on the Plant Water line.
- Work may need to be subcontracted if in-house staff is unable to complete the necessary repairs.
- - discussed at board meeting held on 5/24/21.
- *All backflow preventers have been completed at the WTP.*
- *Backflow preventers at the WWTP will be completed by the end of July 2021 – discussed at board meeting held on 6/28/21.*

m. Interior Lighting

- High lift room has been updated by Ferguson Electric.
- Low lift room to be completed next – will likely be completed by Ferguson Electric due to the safety concerns of completing the work in-house.
- - discussed at board meeting held on 5/24/21.
- *Low lift lighting has begun (in-house repairs are being completed on straight time).*
- *Joe Argona explained his department is waiting for clarification from the safety specialist prior to proceeding – discussed at board meeting held on 6/28/21.*

n. HVAC Rooftop & Make Up Air

- Outdated units – need replacements – 4 out of the 5 units are inoperable.
- AC-1 – rooftop unit over Operations Control Room is now replaced and awaiting final installation items. Startup to be completed shortly (10/16/2018) – *AC-1 is complete – 6/24/21.*
- 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.
- *Joe Argona to provide pricing – discussed at board meeting held on 6/28/21.*

o. 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.
- In-house work completed regarding the necessary pipes and valves. SOP's have also been created for the new completed system.
- PACL liners have been replaced (unknown).
- - discussed at board meeting held on 5/24/21.

p. 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 boarders 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.*

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.*

q. Vice Chairwoman Larkin – employee PPE - discussed at board meeting held on 5/24/21.

- *On 6/28/21 Vice Chairwoman Larkin asked if employees were complying with the PPE requirements. Mr. Costello has not noted employees in improper pants and observed that safety shoes are not necessarily boots, some look like athletic shoes.*

15. New Business & Additional Items for Discussion

- a. WTP Roof
 - i. Tremco Roof Inspection & Repair Proposal June 10, 2021
 - ii. Tremco WTP Roof Inspection Summary June 2021
- b. CPL Proposal for Whitney Ave. & 11th St. Water Project Engineering
 - i. Watermain Replacement Location Map
- c. Water Meter Update – Automated Meter Infrastructure (“AMI”) Propagation Study by Neptune.
 - i. 2017 CPL Report on Unaccounted Water

16. Executive Session (if needed)

Motion by Board Member Leffler and seconded by Board Member Larkin to enter executive session at 6:23 p.m. for the purpose of discussing matters related to the hiring, firing, appointment, promotion, or demotion of a specific individual.

Asklar __Y__ Forster __Y__ Kimble __absent__ Larkin __Y__ Leffler __Y__

Motion carried, 4-0.

Motion by Board Member Larkin and seconded by Board Member Leffler to enter the open meeting at 7:16 p.m.

Asklar __Y__ Forster __Y__ Kimble __absent__ Larkin __Y__ Leffler __Y__

Motion carried, 4-0.

17. Adjournment of Meeting

Motion by Board Member Leffler and seconded by Board Member Asklar to adjourn the meeting at 7:17 p.m.

Asklar __Y__ Forster __Y__ Kimble __absent__ Larkin __Y__ Leffler __Y__

Motion carried, 4-0.

DRAFT

NIAGARA FALLS WATER BOARD RESOLUTION # 2021-07-001

**CHANGE ORDER 1 AND FINAL FOR BOLLIER AVENUE
10 INCH WATER MAIN REPLACEMENT PROJECT**

WHEREAS, the Niagara Falls Water Board (“Water Board”) contracted with 4th Generation Construction, Inc., for the replacement of a 10-inch water main on Bollier Avenue at a contract price of \$534,810; and

WHEREAS, at the conclusion of the project, minor quantity overruns and differing site conditions from the existing record drawings resulted in cost overruns of \$6,170 and \$12,900, respectively; and

WHEREAS, the additional costs increase the contract total to \$553,880, or 3.6%; and

WHEREAS, the City of Niagara Falls Engineering Department, which acted as the Water Board’s engineers for the project, recommends that the Water Board authorize the one and final change order for this project in order to permit payment of the additional sums that were required to complete the project; and

WHEREAS, the cost of this project was offset by a \$240,000 Water Infrastructure Improvement Act Grant;

* CONTINUED ON NEXT PAGE *

NOW THEREFORE BE IT

RESOLVED, that on behalf of the Niagara Falls Water Board, its Executive Director hereby is authorized execute a change order one and final to amend the contract with 4th Generation Contracting, Inc., for the replacement of a 10-inch water main on Bollier Avenue, and the Water Board authorizes payment of an additional \$19,070 for the contract, bringing the contract total to \$553,880.

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

Water Board Budget Line or Capital Plan Item with Funds for this Resolution:
Capital Plan Item W-14, Bollier Avenue Main – 82nd St. to Military Rd.
Capital Line Supplied by: D. Williamson
Available Funds Confirmed by: B. Majchrowicz

On July 26, 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



NIAGARA FALLS WATER BOARD

July 6, 2021

TO: Niagara Falls Water Board Members
FROM: Dr. Abderrahman Zehraoui
Executive Director
SUBJECT: BOLLIER AVENUE 10" WATER MAIN REPLACEMENT PROJECT
CHANGE ORDER #1/FINAL

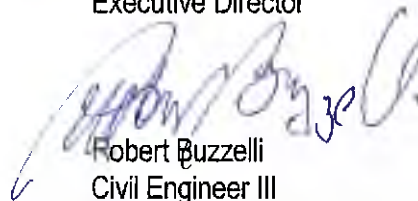
A contract for the Bollier Avenue 10" Water Main Replacement Project was awarded to 4th Generation Construction, Inc. 5650 Simmons Avenue, Niagara Falls, New York in the amount of \$534,810.00.

At the conclusion of the project, minor quantity overruns and differing site conditions from the existing record drawings have resulted in cost overruns \$6,170.00 and \$12,900.00, respectively. This brings the final contract total to \$553,880.00, for a net addition of 3.6%.

It is the recommendation of the undersigned that you allow this contract to be amended to reflect the additional tasks and compensation necessary to complete the project, to the satisfaction of the Niagara Falls Water Board's counsel.

Respectfully submitted,

Dr. Abderrahman Zehraoui
Executive Director


Robert Buzzelli
Civil Engineer III

Meeting: July 26, 2021

Asklar _____ Forster _____ Kimble _____ Larkin _____ Leffler _____

AUTHORIZING REPLACEMENT OF DEFECTIVE FIBER CABLING AT WWTP

WHEREAS, the Niagara Falls Water Board (“Water Board”) wastewater treatment plant supervisory control and data acquisition (“SCADA”) system requires high-quality, reliable, and modern fiber cabling in order properly and reliably to operate; and

WHEREAS, in connection with investigating certain SCADA network issues at the WWTP, Water Board staff have determined that three long runs of fiber cabling are defective, causing intermittent reliability issues that must be corrected; and

WHEREAS, Ferguson Electric, pursuant to the pre-bid indefinite quantity/indefinite delivery contract for emergency electrical work, has presented a quote in the amount of \$45,000 to replace the defective fiber cables with new multimode vinyl coated armored fiber cables together with the necessary testing, terminations, and engineering to complete that scope of work, with the actual cost for the work to be on a time-and-material basis; and

WHEREAS, the best interests of the Water Board are served by completing the fiber cabling replacement soon to avoid possible problems that may result from continued use of the defective cables; and

WHEREAS, this work properly is within the scope of WWTP Project 10, SCADA Improvements, will be invoiced and tracked under that project, and may be partially reimbursable under the Water Board’s State and Municipal Facilities Program (“SAM”) Grant, Project ID No. 15688;

* CONTINUED ON NEXT PAGE *

NOW THEREFORE BE IT

RESOLVED, that on behalf of the Niagara Falls Water Board, its Executive Director hereby is authorized to pay to Ferguson Electric Co. up to \$45,000 for replacement of three defective fiber cables at the wastewater treatment plant, with the work to be performed on a time-and-material basis and consistent with Ferguson's May 26, 2021 proposal.

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

Water Board Budget Line or Capital Plan Item with Funds for this Resolution:
Capital Plan Item WWTP 10, WWTP Rehab Phase 4J, SCADA Improvements
Capital Line Supplied by: D. Williamson
Available Funds Confirmed by: B. Majchrowicz

On July 26, 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

Service Division

Your exclusive TEGG® Service provider

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

May 26, 2021

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

Attention: Mr. Clayton Hotchkiss

Re: Fiber Cabling - FES#PL22254

Dear Clayton,

We are pleased to submit this proposal for the remove of the defective fiber cabling and the installation new multimode vinyl coated armored fiber cables. The new cables will replace the (3) very long runs found to be defective.

We have included the necessary testing, terminations, and engineering to complete the above scope.

Our price for the above is **FORTY-FIVE THOUSAND DOLLARS (\$45,000.00).**

We will perform the work under the contract on a time and material basis.

Our price is subject to all applicable sales tax unless otherwise directed by your order to proceed. Our price is based on performing the work during straight-time hours, 7:00 a.m. – 3:30 p.m., Monday through Friday, excluding Sundays or holidays.

Notes:

- We will perform all work strictly according to Article 70E of the NFPA dealing with the Arc Flash Protection.

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

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



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

Respectfully Submitted,

FERGUSON ELECTRIC SERVICE CO., INC.

Daniel R. Schultz
Electrical Services Manager

NIAGARA FALLS WATER BOARD RESOLUTION # 2021-07-003

**2021-2022 CLARK PATTERSON LEE PROFESSIONAL SERVICES EXTENSION
AND FEDERAL INFRASTRUCTURE ACT PROJECT**

WHEREAS, the Niagara Falls Water Board is engaged in various ongoing projects requiring engineering and related professional services for which it does not have sufficient internal staff or requires an outside engineering firm; and

WHEREAS, the Water Board also desires to derive the maximum possible benefit for its system from the Federal infrastructure bill currently under consideration, and to position itself as near to the front of the line for funding when that bill is finalized; and

WHEREAS, the Water Board previously entered into an agreement with Clark Patterson Lee (“CPL”) to provide consulting engineering and other professional services, and last authorized additional funds for these services in November 2020; and

WHEREAS, the Water Board will continue to need services provided by CPL in 2021 and 2022; and

WHEREAS, CPL has proposed to manage and package an application for funding for the Water Board from the Federal infrastructure bill, including subcontracting for grant writing and lobbyist services as may be required in order to position the Water Board to secure funding; and

WHEREAS, CPL has presented a proposal for continued services and services related to the Federal infrastructure bill dated June 21, 2021, proposing a not-to-exceed fee totaling \$295,000 broken down as follows: General Engineering – Weekly Assistance (\$70,000), Capital Projects Management and Assistance (\$180,000), and Federal Infrastructure Bill (\$45,000); and

WHEREAS, the funds authorized in November 2020 and are expected to be exhausted by the end of August 2021, and thus it is expected that the funds authorized by this Resolution will be sufficient to cover CPL’s services for the remainder of 2021 and part of 2022; and

WHEREAS, pursuant to Water Board Procurement Policy Section 5.8.4, this professional services agreement (1) was not the subject of an RFP because it is a continuation of ongoing professional services for which it would be impractical and inefficient to switch providers, and because CPL is uniquely familiar with the Water Board’s needs and able to act immediately as required to take advantage of the Federal infrastructure bill; (2) no other firms informally were solicited for proposals; and (3) the procurement is not being postponed to permit an RFP because the Water Board deems it in the best interests of the system to have CPL continue to provide the services already underway and to act immediately to position the Water Board to secure Federal funding to benefit the Water Board’s system and the public at large;

NOW THEREFORE BE IT

RESOLVED, that on behalf of the Niagara Falls Water Board, the Executive Director is hereby authorized to enter into a professional services agreement with Clark Patterson Lee

consistent with the proposal dated June 21, 2021, authorizing payment for fees on a time-and-material basis as follows:

General Engineering – Weekly Assistance: Not to exceed \$70,000;

Capital Projects Management and Assistance: Not to exceed \$180,000;

Federal Infrastructure Bill: Not to exceed \$45,000;

Total: Not to exceed \$295,000.

AND IT IS FURTHER RESOLVED, that this resolution authorizes additional funds to be added to the sums previously approved for CPL's services and to the extent any such funds remain available they shall be exhausted prior to drawing upon the funds authorized by this Resolution;

AND IT IS FURTHER RESOLVED, that CPL's services shall be performed on an as-needed and non-exclusive basis and that CPL shall obtain the Executive Director's approval prior to proceeding with any project;

AND IT IS FURTHER RESOLVED, that the funds authorized by this resolution shall be for services in 2021 and until the available funds are exhausted in 2022, and any extension of the duration of the agreement with CPL shall be the subject of a further Board 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:
Capital Costs: As per the respective capital project number listed on the CIP
O&M Costs: GA.8110.0001.0451.000
Budget Line Supplied by: D. Williamson (Engineering Services Items)
Available Funds Confirmed by: [Pending]

On July 26, 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



June 21, 2021

Chairman Nicholas Forster
Niagara Falls Water Board
5815 Buffalo Avenue
Niagara Falls, NY 14304

Dear Chairman Forster:

We have appreciated the opportunity to work with you over this couple of years. As you are aware, we continue to be involved in the planning and development of several projects and initiatives. To date, we have provided you with a not-to-exceed fee for the past several years, with services provided on an as-needed basis. The specific services and proper mix of personnel has been determined based on a request for assistance, and we have provided periodic accounting of the services rendered and will bill on a monthly basis. We were extended in November of last year by an additional \$250,000, which we project will be depleted by the end August 2021.

We suggest extending the current term agreement approach with a few specific work items, that would be broken out between capital projects and general engineering assistance. We propose to supply support services as follows:

General Engineering - Weekly Assistance: Supply a professional engineer and project engineers to assist the NFWB in all facets of engineering activities including, but not limited to design, inspection, planning, estimating, budgeting, hydraulic modeling, assistance with repairs and other as needed items not related to capital projects.

Capital Projects - Supply professional engineers to assist the NFWB in all facets of engineering activities including, but not limited to design, inspection, planning, estimating, budgeting, and maintaining project schedules. We propose to supply Jay Meyers for onsite needs and daily interaction with staff. Then we will mix in Theodore Donner, along with Steve Tanner, Dave Jaros and Rick Henry as needed for the duration of the contract. We have assumed that under this task we will continue to manage the contracts that were awarded for design and construction of the \$27 million of capital work at the wastewater plant to keep it running for the next several years as well as any other capital work that may occur.

Federal Infrastructure Bill – We will manage and package an “ask” to our federal (and state) representatives for funding out of the infrastructure bill. We anticipate that the final version will pass before the end of September. We will need to hire a grant writer and a lobbyist as subconsultants to adequately perform this function. They will require \$15,000 and \$10,000 respectively. We will be prepared to make two “asks” – one for conversion of the wastewater treatment plant to a biological process and another for significant improvements to the water transmission and distribution system.

We have prepared the following rate schedule for your review. I suggest an approval of an additional \$295,000 to our current agreement which broken down as follows:

ARCHITECTURE
ENGINEERING
PLANNING



General Engineering – Weekly Assistance	\$70,000
Capital Projects Management and Assistance	\$180,000
Federal Infrastructure Bill	\$45,000
Total.....	\$295,000

We suggest an extension to our existing agreement. We will continue to bill to separate job numbers so that we can be transparent on the billings.

Thank you for the opportunity to submit our qualifications. I am deeply proud of our ability to provide you with quality service at a fair rate. This is what we do, and we do it well. If you have any questions or require any additional information, please feel free to contact me via email at richenry@cplteam.com or by phone at 716.852.2100, extension 1048.

Very truly yours,
Clark Patterson Lee

Richard B. Henry III, P.E.
President

**NYS WATER QUALITY IMPROVEMENT PROJECT GRANT APPLICATION
FOR LASALLE SEWER REHABILITATION PROJECT
AND SEQR REVIEW OF PROPOSED PROJECT**

WHEREAS, the Niagara Falls Water Board (“the Water Board”), pursuant to NYS Department of Environmental Conservation (“DEC”) Order on Consent R-9-20080528-32, is required to evaluate the effectiveness of required sewer rehabilitation in the LaSalle area every five years and to complete certain actions intended to reduce sanitary sewer overflows; and

WHEREAS, the Water Board retained Arcadis of New York, Inc., to prepare the Sanitary Sewer System Management Plan – Year 12 Progress Evaluation (“Report”); and

WHEREAS, the Report and a subsequent April 14, 2021 Memorandum from Arcadis recommend that in undertaking future projects to rehabilitate sewers in the LaSalle area, priority should be given to projects to address specified sewersheds with the greatest volume of normalized inflow and infiltration as documented in the most recent evaluation of the effectiveness of required sewer rehabilitation, and the Memorandum recommends the completion of two such improvements that may reduce SSOs in LaSalle consistent with the intent of the Order on Consent without necessarily requiring further study to evaluate their effectiveness; and

WHEREAS, the Engineering Report and Memorandum detail specific recommended improvements, and CPL engineers has developed estimated costs to construct those improvements, as follows:

- a) Cured-in-place pipe remediation for sanitary sewers in the Love Canal area, with an estimated cost of \$800,000;
- b) Sanitary sewer manhole rehabilitation in the area of 91st Street and Luick Avenue, at an estimated cost of \$500,000, and

WHEREAS, the estimated cost total of this recommended project (“the Project”) is \$1,300,000, and this type of project can be eligible for New York State Water Quality Improvement Project (“WQIP”) grant funding; and

WHEREAS, WQIP grant guidelines require a grant recipient to obligate itself to a local matching share of at least 25% of the project cost, in this case in the amount of \$325,000; 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 such projects; and

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

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

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

WHEREAS, the Water Board has considered under SEQR the Project described above, and finds that it is a Type II action pursuant to 6 NYCRR Section 617.5 (c) (5) because it involves “street openings and right-of-way openings for the purpose of repair or maintenance of existing utility facilities” and/or pursuant to 6 NYCRR Section 617.5 (c) (1) and 617.5(c) (2), because the Project is for “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,” requiring no further review by the NFWB;

NOW, THEREFORE, BE IT

RESOLVED, that that the Project discussed above hereby is determined to constitute 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 authorizes the submittal of a Water Quality Improvement Project (“WQIP”) grant application for the following LaSalle sewershed rehabilitation project:

- a) Cured-in-place pipe remediation for sanitary sewers in the Love Canal area, with an estimated cost of \$800,000;
- b) Sanitary sewer manhole rehabilitation in the area of 91st Street and Luick Avenue, at an estimated cost of \$500,000, and

IT IS FURTHER RESOLVED, that the Water Board authorizes and appropriates the sum of \$325,000, representing the local match of at least 25% of the total estimated project costs of \$1,300,000 as required by the WQIP program; and

IT IS FURTHER RESOLVED, that the Water Board hereby designates CPL, engineers, as its authorized representative for the purpose of applying for the WQIP grant as described herein; and

IT IS FURTHER RESOLVED, that the Executive Director is authorized to execute any documents necessary to complete the WQIP grant application.

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

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

On July 26, 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	[]	[]	[]	[]
Chairperson Forster	[]	[]	[]	[]

Signed By:

Vote Witnessed By:

Nicholas J. Forster, Chairman

Sean W. Costello, Secretary to Board

MEMO



To:
Niagara Falls Water Board

Copies:
John Kolaga, Esq.
Seth Krull, PE

From:
Dan Seider, PE

Arcadis of New York, Inc.

50 Fountain Plaza

Suite 600

Buffalo

New York 14202

Tel 716 667 0900

Fax 716 842 2612

Date:
April 14, 2021

Arcadis Project No.:

05717006.0000

Subject:

NFWB Sanitary Sewer System Management Plan
Potential Water Quality Improvement Project Summary Descriptions

The purpose of this memorandum is to describe potential projects for submission to the New York State Water Quality Improvement Project (WQIP) Program to obtain grant funding to support sanitary sewer system improvements outlined in the *Sanitary Sewer System Management Plan Year 12 Progress Evaluation* with detailed descriptions and cost estimates provided in the *LaSalle Sanitary Sewer System Improvements WQIP Engineering Report*.

Project 1: Love Canal Sanitary Sewer System Improvements

Description: This project includes sanitary sewer improvements to reduce infiltration/inflow (I/I) from the Love Canal area, specifically the sanitary sewers on 95th, 96th, 100th, 101st, and 102nd streets south of Colvin Boulevard. The WQIP Engineering Report analyzed several options for improving I/I with the recommended approach including a cured in place pipe (CIPP) lining within the sewer mains along these streets.

It is recommended that the CIPP liner be formed by inserting a resin impregnated flexible fiberglass fabric tube into the existing sewer main, expanding the tube to fit against the existing sewer line walls, and then curing the resin using UV light. Fiberglass offers a number of product benefits including increased strength while maintaining flexibility during installation. The resin and glass laminate configuration eliminates the need for inner and outer coatings. The installation of the resin impregnated flexible fiberglass fabric tube shall be in accordance with the manufacturer's recommendations and/or other approved methods, and shall meet or exceed ASTM F2019 standards.

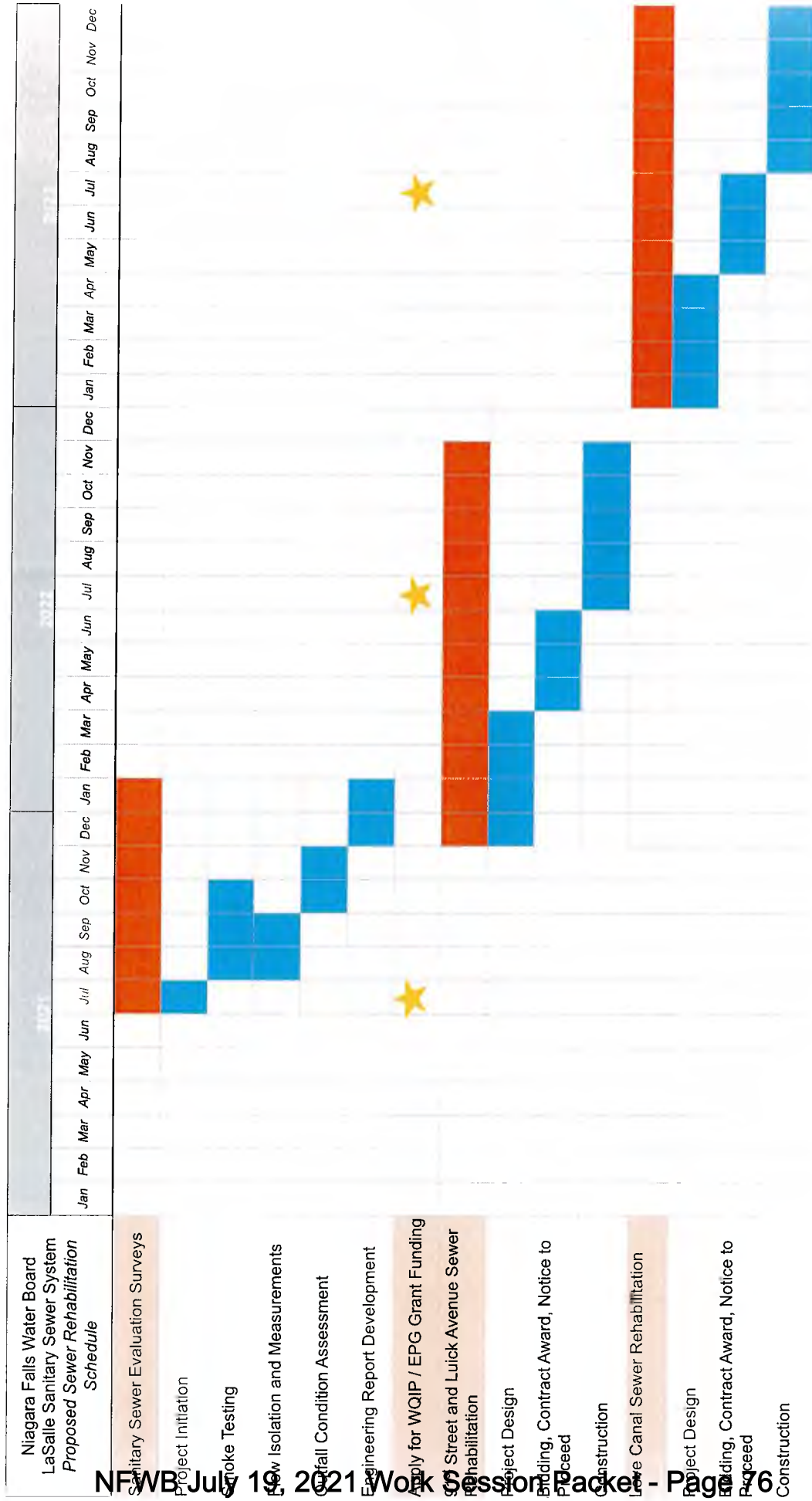
Project 2: 91st and Luick Sanitary Sewer System Improvements

Description: This project includes sanitary sewer improvements in the '91st and Luick' subsewershed. This project will be developed in three phases:

- Phase A: Manhole rehabilitation
- Phase B: Sanitary sewer main rehabilitation
- Phase C: Lateral rehabilitation

The WQIP Engineering Report recommended proceeding with Phase A as part of the multi-phased approach. Phases B and C will be incorporated into the “Focused Sanitary Sewer Evaluation Surveys” (SSES) project as these phases require more detailed SSESs to identify the appropriate rehabilitation strategy for I/I reduction. The recommendations from the SSESs can then be used to pursue future WQIP grant funding for the sewer main and lateral improvements.

The phased approach was described in the WQIP Engineering Report so it is clear that the long-term approach for this subsewershed is to rehabilitate all components of the sewer system to reduce I/I as much as practicable. According to NYSDEC, pursuing only manhole rehabilitation would likely not provide sufficient I/I reduction and would likely not receive grant funding.



Notes
 SSES Study scope of work assumes selection of Option B from Arcadis technical memorandum, provided on April 8, 2021
 Rehabilitation scope of work assumes recommendations provided in LaSalle Sanitary Sewer System Improvements WQIP Report are pursued

**ENGINEERING PLANNING GRANT APPLICATION AND SEQR
REVIEW FOR LASALLE SANITARY SEWER EVALUATION SURVEY PROJECT**

WHEREAS, the Niagara Falls Water Board (“the Water Board”), pursuant to NYS Department of Environmental Conservation (“DEC”) Order on Consent R-9-20080528-32, is required to evaluate the effectiveness of required sewer rehabilitation in the LaSalle area every five years; and

WHEREAS, in 2019, Arcadis performed the required evaluation for the Water Board, referred to as the Sanitary Sewer System Management Plan (“SSSMP”) – Year 12 Evaluation, and after analysis and input from Water Board and DEC staff, in 2020 Arcadis delivered a report to the Water Board titled LaSalle Sanitary Sewer System Improvements Engineering Report; and

WHEREAS, the results of the SSSMP – Year 12 Evaluation have been discussed with DEC staff, and the Water Board has proposed and DEC has agreed that it may be appropriate to modify the projects currently required by the Order on Consent in order to prioritize improvements in areas that exhibit high inflow and infiltration (“I&I”) that contribute to sanitary sewer overflows (“SSOs”), in place of currently-required projects that will have less beneficial impact; and

WHEREAS, the SSSMP – Year 12 Evaluation identified some improvements that may be appropriate in the near-term, but in order to identify the areas with high I&I that contributes to SSOs and future projects that may be appropriate, it will be necessary to conduct Sanitary Sewer Evaluation Surveys (“SSES”) to further investigate specific sections of sewer and to develop a revised schedule of projects to propose to DEC as replacements for the currently-required schedule of projects; and

WHEREAS, these SSES will include smoke testing, flow isolation and measurement, outfall condition assessment, CCTV camera inspections, dyed water testing, and preparation of an engineering report; and

WHEREAS, the Water Board originally proposed SSES in the four sewersheds identified as contributing the most to I&I and SSOs (referred to as 91st and Luick, 81st and Frontier 1, Mang and 88th, and 80th and Lindbergh), but DEC has indicated its approval will require study of an additional sewershed (referred to as 81st and Frontier 2); and

WHEREAS, Arcadis has provided a budgetary estimate for this scope of SSES engineering work at \$215,000, plus \$30,000 for engineering review and documentation of camera inspections to be performed by Water Board crews (as a cost saving measure), plus \$5,000 for dyed water testing, for a total SSES project cost of \$250,000; and

WHEREAS, CPL, the Water Board's grant consultant, recommends that the Water Board apply for an Engineering Planning Grant program grant in the maximum amount of \$100,000 in order to offset the cost of the proposed SSES work, which requires the Water Board to commit to fund at least 20% of the work as its local match, and in this case the local match of the estimated total project will be \$150,000; 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 SSES engineering study project described herein; and

WHEREAS, SEQR regulations at 6 NYCRR Part 617.5(c)(24), include among the list of Type II actions which have been found categorically to not have significant adverse impacts on the environment or actions that have been statutorily exempted from SEQR review and that do not require preparation of an Environmental Assessment Form, a negative or positive declaration, or an Environmental Impact Statement ". . . information collection, including basic data collection and research; water quality and pollution studies, traffic counts, engineering studies; surveys; subsurface investigations; and soils studies that do not commit the agency to undertake, fund or approve any Type I or Unlisted action;" and

WHEREAS, the engineering study described above therefore is a Type II action pursuant to 6 NYCRR Part 617.5(c)(24);

NOW, THEREFORE, BE IT

RESOLVED, that the Niagara Falls Water Board hereby classifies the proposed Sanitary Sewer Evaluation Surveys ("SSES") engineering study of the sewersheds referred to as 91st and Luick, 81st and Frontier 1, Mang and 88th, 80th and Lindbergh, and 81st and Frontier 2 ("the Project") as a SEQR Type II action; and

IT IS FURTHER RESOLVED that the Water Board hereby authorizes the submittal of an Engineering Planning Grant ("EPG") application for the Project, and designates CPL Engineers as its Authorized Representative for the purpose of applying for the EPG; and

IT IS FURTHER RESOLVED, that the Water Board authorizes and appropriates the sum of \$150,000 for its share of the estimated \$250,000 cost to complete the Project, an amount that exceeds the EPG Program requirement of a local match equal to at least 20% of the project cost; and

IT IS FURTHER RESOLVED, that the Executive Director is authorized to execute any documents necessary to complete the EPG application for the Project.

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

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

On July 26, 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	[]	[]	[]	[]
Chairperson Forster	[]	[]	[]	[]

Signed By:

Vote Witnessed By:

Nicholas J. Forster, Chairman

Sean W. Costello, Secretary to Board

Budgetary Estimate Based on Original Scope of Work

Task	Four Original Sewersheds	Four Original Sewersheds + 81 st and Frontier 2
1. Project Management	\$10,000	\$10,000
2. Project Initiation	\$5,000	\$5,000
3. Smoke Testing	\$96,000	\$115,000
4. Flow Isolation and Measurements	\$40,000	\$45,000
5. Outfall Condition Assessments	\$15,000	\$15,000
6. Engineering Report	\$20,000	\$25,000
Total Tasks 1-6	\$186,000	\$215,000

Additional SSES Considerations Based on NYSDEC Request

Task	Four Original Sewersheds	Four Original Sewersheds + 81 st and Frontier 2
CCTV		
Inspections (NFWB In-House or Contractor)	\$0 to \$80,000	\$0 to \$100,000
Eng Review and Summary Documentation	\$25,000	\$30,000
Dyed Water Testing	\$5,000 to \$10,000	\$5,000 to \$10,000

MEMO

To:
Niagara Falls Water Board

Copies:
John Kolaga, Esq.
Seth Krull, PE

Arcadis of New York, Inc.
50 Fountain Plaza
Suite 600
Buffalo
New York 14202
Tel 716 667 0900
Fax 716 842 2612

From:
Dan Seider, PE

Date:
April 15, 2021

Arcadis Project No.:
05717006.0000

Subject:
Summary Overview - LaSalle Sanitary Sewer Evaluation Surveys

INTRODUCTION

The purpose of this technical memorandum is to provide the Niagara Falls Water Board (NFWB) with reference information for conducting sanitary sewer evaluation survey (SSES) investigations within portions of the LaSalle sewer system. This information is based on the Sanitary Sewer System - Year 12 Progress Evaluation (SSSMP – Year 12 Evaluation), the Draft LaSalle Sanitary Sewer System Improvements Water Quality Improvement Project (WQIP) Engineering Report, and recent discussions.

It is Arcadis' understanding that the New York Department of Environmental Conservation (NYSDEC) has indicated a preference for sewer improvements to be conducted in areas of the LaSalle system that (1) exhibit high inflow / infiltration (I/I) statistics and (2) contribute to sanitary sewer overflows (SSO) to receiving water bodies. Based on the 2005 - 2019 data provided in Attachment A, the highest volumes of SSOs are present at Lift Stations (LS) 4 and 6, respectively. As a first phase of improvements within the tributary areas to these lift stations, Arcadis prepared a WQIP Engineering Report recommending cured in place pipe lining in the Love Canal portion of the Colvin Boulevard and 93rd Street sewershed and manhole rehabilitation in the 91st Street and Luick Avenue sewershed. These areas contribute to SSOs at LS-4 and exhibit high amounts of I/I, based on analyses conducted as part of the SSSMP – Year 12 Evaluation and the number of sewer connections within each sewershed.

To fulfill the NYSDEC's preference for I/I and SSO reduction, it is recommended that the NFWB pursue SSES investigations in areas tributary to LS-4 and LS-6, except the Love Canal area which has been addressed as part of the WQIP Engineering Report. Results of this study will be used to develop a revised 'Table 4.2' of sewer rehabilitation work to comply with the NFWB Order on Consent and prioritize future

MEMO

capital planning decisions in the LaSalle sewer system. Table 1 provides an overview of the sewersheds tributary to LS-4 and LS-6.

Table 1. LS-4 and LS-6 Sewersheds for SSES Investigations

Facility	Sewershed*	Pipe Length (mi.)	Average Normalized I/I (1,000 gal / pipe mi.)*	R Value*
Lift Station 4	91 st and Luick	3.0	414.0	0.51
	93 rd – South of Bergholtz Creek	5.0	197.7	0.21
	Colvin and 93 rd (north of Colvin Blvd)	2.6	139.1	0.18
Lift Station 6	80 th & Lindbergh	2.4	227.8	0.28
	81 st – North of Lindbergh	4.0	160.2	0.19
	81 st & Frontier 1	1.8	330.9	0.38
	81 st & Frontier 2	2.6	140.7	0.37
	Mang & 88th	5.0	237.9	0.28

Note. *Naming conventions and I/I statistics from SSSMP – Year 12 Evaluation

SCOPE OF WORK

Based on Arcadis' review of the sewersheds provided in Table 1 and analyses conducted as part of the SSSMP – Year 12 Evaluation, smoke testing, flow isolation and measurement, and outfall inspections are recommended for SSES investigations in the LS-4 and LS-6 sewersheds listed in Table 1.

Smoke testing is performed by placing a fan/blower over a sanitary sewer inlet or manhole while non-toxic smoke is introduced to the collection system. The fan/blower pushes the smoke into the system which then finds its way out through any exit point that is connected and is not filled with water. This test locates storm sewers, catch basins, and/or private connections that are connected to the sanitary system, and may also identify points of major inflow and/or structural deficiencies. Smoke testing is best performed during periods of dry weather, which allows smoke to travel more easily to the surface.

Flow isolation and measurement documents infiltration using a volumetric calibrated weir with a 90° V notch for accurately recording small infiltration flows. Manhole inspections may be performed simultaneously to further document sources of infiltration. As this work is performed during the nighttime and early morning hours, typically between midnight and 5:00 am, the majority of recorded flow can be attributed to groundwater. Nighttime flow isolation is best performed during periods following wet weather when groundwater levels are highest.

Outfall assessments document the location and condition of existing SSO piping to determine where direct inflow may be entering the sanitary sewer system. Ultrasonic level sensors can be installed within the upstream manhole of these SSO's to quantify if creek flow is entering the sanitary sewer system.

The following scope of services provides more specific descriptions of tasks that may be included as part of an SSES investigations project.

Task 1 – Project Management

Provide a project management approach that integrates scope, schedule, and budget management with timely communications and effective quality controls including:

- A. *Management of schedule, resources, and budget* - use a work breakdown structure detailing the schedule and resource allocation for each task so that deadlines are met
- B. *Monthly Status Report* – Include current cost summary, amount of invoice to date, amounts earned but not billed, amounts of subcontractors' invoice to date and MBE/WBE participation percentage tracking
- C. *Data Management* – Manage, manipulate, and correlate existing information. Examples of this may include databases, digital photos, videos, reports, record documents, work orders and maps
- D. *High-quality data and deliverables* – Verifying that deliverables receive appropriate quality control review prior to submittal to NFWB

Task 2 – Project Initiation

- A. Collect and review existing data and previous reports including I/I efforts and NFWB Standards
- B. Meet with NFWB staff to discuss field activities, project management, regulatory coordination, data management, invoicing, safety, emergency reporting, and standardized reporting
- C. Establish baseline schedule to set baseline and milestone dates for the project

- D. Assist with community outreach efforts so residents are aware of the SSES activities occurring within their neighborhood

Task 3 – Smoke Testing

- A. Provide all equipment and staff needed to perform smoke testing, including notifying residents 2-4 days ahead of the smoke testing work via hand delivered door hangers
- B. Schedule smoke testing during periods of dry weather, not less than one week following a storm event and confirmed with NFWB staff and nearby United States Geological Survey groundwater level data
- C. Document smoke testing via digital camera, record sketches and GIS compatible database

Task 4 – Flow Isolation and Measurement (I&M)

- A. Provide all equipment and staff needed to perform I&M, including notifying residents 2-4 days ahead of the work via hand delivered door hangers
- B. Conduct manhole inspections in accordance with the National Association of Sewer Service Companies Manhole Assessment Certification Program
- C. Schedule I&M during periods of wet weather and between hours of midnight and 5:00 am, not more than two weeks following a storm event and confirmed with NFWB staff and nearby United States Geological Survey groundwater level data
- D. Document I&M via digital camera, measured flow, record sketches, and GIS compatible database

Task 5 – Outfall Condition Assessment

- A. Based on review of NFWB record documents, recommend outfall inspections along Cayuga Creek and/or Bergholtz Creek
- B. Provide all equipment necessary to conduct condition assessments of each outfall
- C. Document findings via digital camera, record sketches, and GIS compatible database

Task 6 – Engineering Report

- A. Compile findings of Tasks 2 – 5 in a Draft Engineering Report, including SSES methodologies, data collection, field investigations, and recommendations
- B. Prepare Final Engineering Report based on NFWB and NYSDEC review

SCHEDULE

A recommended SSES plan was developed for NFWB's considerations, based on scheduling timeframes. This includes the completion of Tasks 1 – 6 for the four highest ranked sewersheds within Table 1 based on normalized I/I and R-value. These sewersheds include:

- 91st and Luick
- 81st and Frontier 1
- Mang and 88th
- 80th and Lindbergh

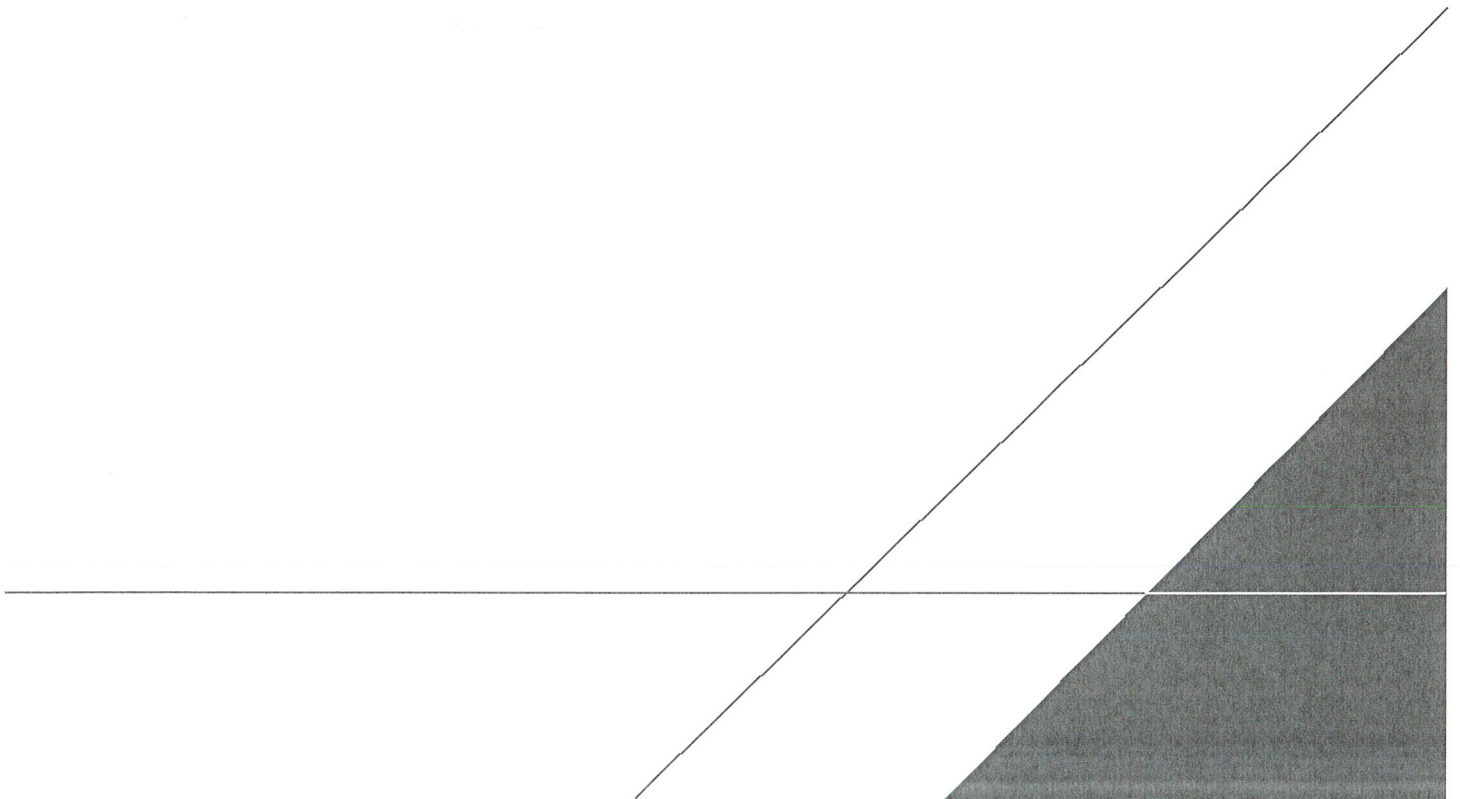
This strategy includes starting with SSES investigations in sewersheds with the highest I/I statistics. Focused sanitary sewer improvements would then be conducted based on results of these investigations. Follow up investigations and subsequent improvements in lower priority basins could be completed if additional I/I removal is warranted. Table 2 provides approximate durations for each subtask based on approximate SSES quantities and Arcadis experience performing similar evaluations nationwide.

Table 2. Initial SSES Schedule

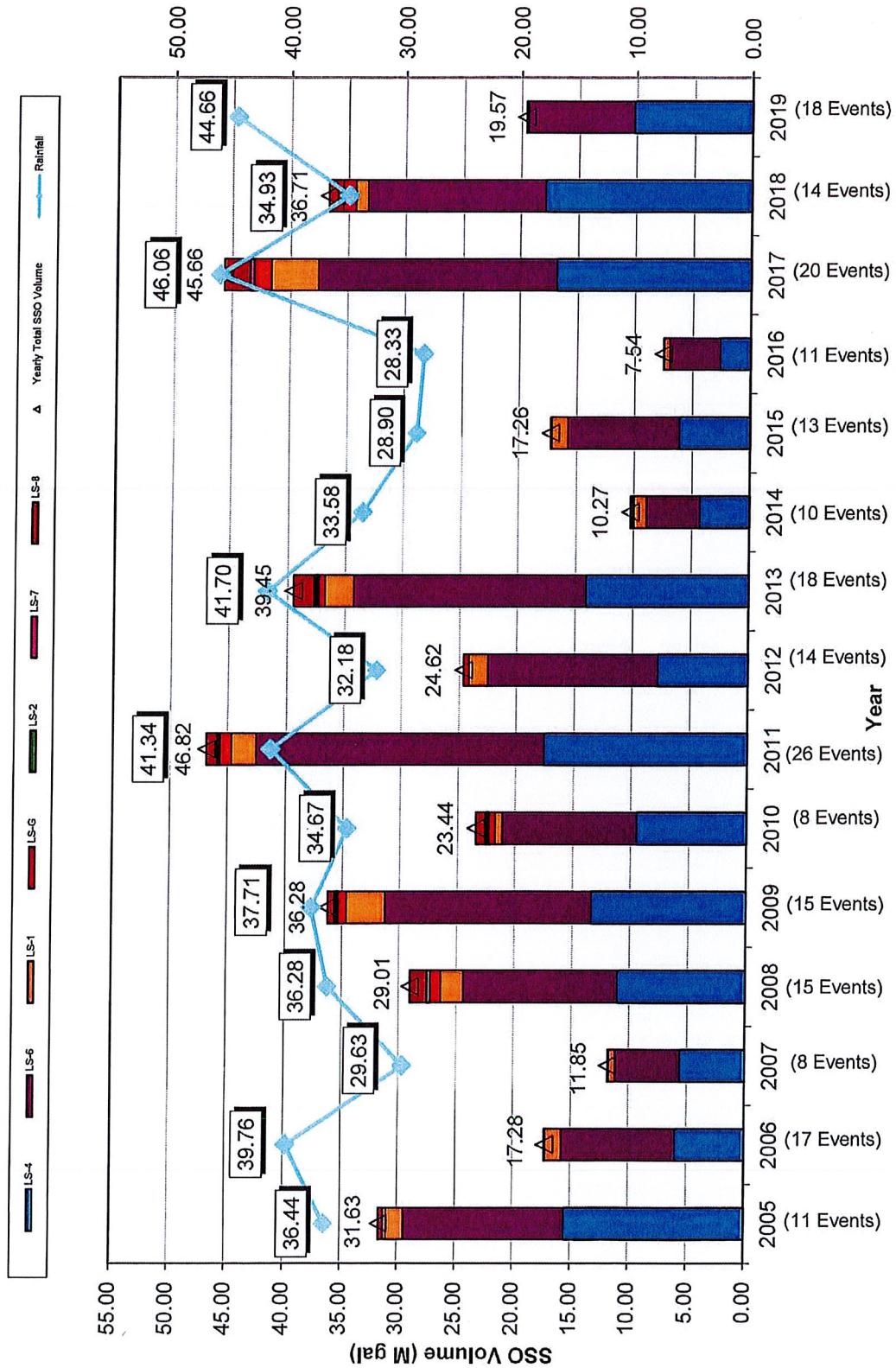
Task	Duration	Notes
1. Project Management	5 – 9 months	Based on estimated project duration
2. Project Initiation	1 month	Recent Arcadis experience
3. Smoke Testing	1 - 2 months	Based on estimated 64,000 lf
4. Flow Isolation and Measurements	1 - 2 months	Based on anticipated timeframe for similar scopes of work
5. Outfall Condition Assessment	1 - 2 months	Based on condition assessment of 15 Outfall locations
6. Engineering Report	1 – 2 months	Recent Arcadis experience
Total Tasks 1 - 6	5 – 9 months	

ATTACHMENT A

LaSalle Area SSO Summary Excerpt from
NFWB SSO ANNUAL REPORT (Year 12 – 2019)



LaSalle Area Annual SSO Summary



NIAGARA FALLS WATER BOARD RESOLUTION # 2021-07-006

**AUTHORIZING LEASE OF THREE VEHICLES
AND DISPOSAL OF FIVE VEHICLES THROUGH ENTERPRISE**

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

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

WHEREAS, the Water Board has found newer vehicles to be safer, more reliable, and more fuel efficient; and

WHEREAS, in November 2019, the Board approved a fleet adjustment that authorized the lease of three vehicles and disposal of five vehicles; and

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

WHEREAS, after reviewing current fleet needs and discussing these with Enterprise, and based on current market conditions with high values for used vehicles, Water Board staff recommend the following fleet adjustments, and to make any necessary substitutions to the vehicles to be leased for 60 months based on market conditions and availability, provided such substitutions do not increase the overall cost to the Water Board:

Turn in to Enterprise

2017 Ford F-150, VIN 1FTFW1EF2HB79596
2017 Ford F-150, VIN 1FTEW1EP0HFC19047
2017 Ford F-150, VIN 1FTEW1EP1HB47212
2017 Ford F-150, VIN 1FTEW1EP3HFC41382
2017 Ford F-150, VIN 1FTEW1EP5HB97501
2017 Ford F-150, VIN 1FTEW1EP3HFA06593
2018 Ford F-150, VIN 1FTEW1EP2JFC47776
2018 Ford F-150, VIN 1FTEW1EP0JFC47775
2018 Ford F-150, VIN 1FTEW1EP9JFC47774
2017 Ford Fusion, VIN 3FA6P0PU5HR148189

**Replacement Vehicles to Lease
(or equivalent)**

2021 Chevrolet Silverado 1500
2021 Chevrolet Silverado 1500
2021 Chevrolet Silverado 1500
2021 Chevrolet Silverado 1500
2021 Chevrolet Silverado 1500
2021 Chevrolet Silverado 1500
2021 Chevrolet Silverado 1500
2021 Chevrolet Silverado 1500
2021 Chevrolet Silverado 1500
2021 Chevrolet Tahoe; and

WHEREAS, after turning in these vehicles and applying accumulated equity, the total monthly cost to the Water Board for these vehicle leases will decrease by approximately \$1,669, or approximately \$20,000 annually;

NOW THEREFORE BE IT

RESOLVED, that the Niagara Falls Water Board hereby authorizes the following fleet adjustments with Enterprise Fleet Management, and authorizes the Executive Director to execute any necessary documents and to pay any one-time fees or service charges associated with the delivery of the new vehicles, with the net impact of the transactions being authorized to be a \$20,000 annual savings to the Water Board:

Turn in to Enterprise

2017 Ford F-150, VIN 1FTFW1EF2HB79596
2017 Ford F-150, VIN 1FTEW1EP0HFC19047
2017 Ford F-150, VIN 1FTEW1EP1HB47212
2017 Ford F-150, VIN 1FTEW1EP3HFC41382
2017 Ford F-150, VIN 1FTEW1EP5HB97501
2017 Ford F-150, VIN 1FTEW1EP3HFA06593
2018 Ford F-150, VIN 1FTEW1EP2JFC47776
2018 Ford F-150, VIN 1FTEW1EP0JFC47775
2018 Ford F-150, VIN 1FTEW1EP9JFC47774
2017 Ford Fusion, VIN 3FA6P0PU5HR148189

Replacement Vehicles

(or equivalent) to Lease for 60 Months

2021 Chevrolet Silverado 1500
2021 Chevrolet Silverado 1500
2021 Chevrolet Silverado 1500
2021 Chevrolet Silverado 1500
2021 Chevrolet Silverado 1500
2021 Chevrolet Silverado 1500
2021 Chevrolet Silverado 1500
2021 Chevrolet Silverado 1500
2021 Chevrolet Silverado 1500
2021 Chevrolet Silverado 1500
2021 Chevrolet Tahoe

Water Board Personnel Responsible for Implementation of this Resolution:

Executive Director
Superintendent

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

Capital Costs: CIP Item No. C-3, Fleet Replacement
Budget Line Supplied by: [Pending]
Available Funds Confirmed by: [Pending]

On July 26, 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