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**Regular Session of the
Niagara Falls Water Board
May 20, 2019 5:00 PM at
Michael C. O’Laughlin Municipal Water Plant**

1. Attendance and Preliminary Matters

Forster ___ Kimble ___ Larkin ___ Leffler ___ O’Callaghan ___

- a. Letters and Communications
- b. Public Comment (All speakers must register with the Chairperson prior to roll call and are limited to three minutes per person – total time for all speakers may not exceed one hour)
- c. Approval of Minutes from April 22, 2019

2. From the Executive Director

3. Superintendent

4. Engineering

- a. Status of Revised Capital Improvement Plan
- b. Stormwater Annual Report

5. Director of Administrative Services – Personnel Items

- a. Human Resources Staff Coordinator Draft Position Description
- b. Staff Requested:
 - i. Motion to Approve Personnel Actions and Report.

6. Information Technology (IT)

7. Director of Financial Services – Financial Reports

- a. Bonding

8. Other Reports

- a. Questions Regarding Monthly O&M Report (if any)
- b. Safety

9. General Counsel and Secretary

10. From the Chairman

11. Resolutions

2019-05-001 – FUNDS FOR AECOM TO COMPLETE BIOLOGICAL TREATABILITY TESTING AND CHEMICAL OPTIMIZATION STUDIES

- a) AECOM April 12, 2019 Proposal

2019-05-002 – DECLARING 2005 CHEVROLET BLAZER SURPLUS AND DIRECTING SALE

- a) Vehicle Market Value Indicators

2019-05-003 – DECLARING TWO TRAILERS SURPLUS PROPERTY

2019-05-004 – EMERGENCY ELECTRICAL INVESTIGATION AND TESTING AT WASTEWATER TREATMENT PLANT

- a) Ferguson May 1, 2019 Proposal No. PL19991

2019-05-005 – INSTALLATION OF TWO 15kV VACUUM INTERRUPTER STYLE FEEDER BREAKERS AT WASTEWATER TREATMENT PLANT SUBSTATION

- a) Ferguson April 24, 2019 Proposal No. PL19974

2019-05-006 – COMMITMENT TO FUND WATER BOARD SHARE OF COST FOR WASTEWATER TREATMENT PLANT PROTECTIVE MEASURES PROJECT

2019-05-007 – AUTHORIZING PROFESSIONAL SERVICES AGREEMENT FOR SCADA DESIGN, DEVELOPMENT, AND PROGRAMMING AT WASTEWATER TREATMENT PLANT (PROJECT NO. 10)

- a) Kaman Proposal dated May 8, 2019

**2019-05-008 – AUTHORIZING INTER-MUNICIPAL AGREEMENT –
COST SHARING FOR 102nd STREET METER PIT
REHABILITATION PROJECT**

- a) **Draft Inter-Municipal Agreement**

**2019-05-009 – DECLARING 2013 FORD F150 SURPLUS AND
DIRECTING SALE**

2019-05-010 – ADOPTING FIVE YEAR CAPITAL PLAN

- a) **CIP Plan Updated May 7, 2019**

**2019-05-011 – REQUESTING THE ISSUANCE BY THE
NIAGARA FALLS PUBLIC WATER AUTHORITY OF BONDS TO
FINANCE CAPITAL IMPROVEMENTS**

12. Unfinished Business

13. New Business & Additional Items for Discussion

14. Executive Session (if needed)

15. Adjournment of Meeting



**Regular Session of the
Niagara Falls Water Board
April 22, 2019 5:00 PM at
Michael C. O’Laughlin Municipal Water Plant**

1. Attendance and Preliminary Matters: *Chairman O’Callaghan called the meeting to order at 5:04 p.m.*

Forster absent Kimble P Larkin P Leffler absent
O’Callaghan P

a. Letters and Communications

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

Deborah Sirianni spoke regarding simultaneous issues she had with water meters at the nine properties throughout the city of Niagara Falls. Superintendent of Operations, Bill Wright, states he will be sure to communicate the addresses that are in question to the meter shop for additional information.

c. Approval of Minutes from March 25, 2019

Motion by Ms. Kimble and seconded by Ms. Larkin to approve

Forster absent Kimble Y Larkin Y Leffler absent O’Callaghan Y

Motion was passed 3-0

2. From the Executive Director

a. WWTP Power Outage Update

Mr. Fama discussed the power outage at the WWTP on April 14. The matter is under investigation but it is believed that lightning struck the plant. Efforts are underway to adjust power feeds and to replace damaged electrical equipment, and a portable generator is sustaining operations.

Mr. Costello noted that a claim has been submitted to the Water Board’s property insurance company. Video shows lightning activity in the area immediately before the outage, and Power Center 6 appears to show direct damage from lightning.

Mr. O’Callaghan states he would like daily time sheets for repair and engineering work at the WWTP, all materials and work completed to be logged by the contractors before the end of business each day, in order to provide backup documentation to the financial department, to track costs, and to keep a handle on the job itself.

3. Superintendent

Mr. Wright states he was not at the working session on 4/15/19, but would be happy to answer any questions the board may have.

Mr. O'Callaghan questions whether or not Mr. Wright has had a chance to meet with the Deputy Director of Finance, Mr. Majchrowicz, regarding the NFWB fuel report. Mr. Wright states he plans to meet with Mr. Majchrowicz prior to the scheduled meeting with Enterprise on 4/23/19.

4. Engineering

a. Updated Draft Capital Improvement Plan

5. Director of Administrative Services – Personnel Items

a. Staff Requested:

i. Motion to Approve Personnel Actions and Report.

Mr. Perry states there have been no changes made to the personnel actions from the working session.

*Motion by Ms. Larkin and seconded by Ms. Kimble to approve
Forster __absent__ Kimble __Y__ Larkin __Y__ Leffler __absent__ O'Callaghan __Y__
Motion was passed 3-0*

Mr. Perry notes that a meeting regarding MWBE requirements will be had with Albany next week to discuss the remedial plan. The Water Board is working hard to improve its program but still has not met its goals.

Mr. Perry would like to discuss pending personal injury litigation that is nearing trial in Executive Session.

6. Information Technology (IT)

7. Director of Financial Services – Financial Reports

a. 2018 Audit

Mr. O'Callaghan questions the progress regarding online bill payments. Ms. Walker states she spoke with Bank on Buffalo. Bank on Buffalo stated they will communicate with their vendor. Projected time for this to be completed is by the May 2019 board meeting.

8. Other Reports

- a. Questions Regarding Monthly O&M Report (if any)
- b. Safety

Ms. Senia states an employee in the outside water department severely sprained his ankle and will be out of work until further notice.

9. General Counsel and Secretary

Mr. Costello states he has been able to obtain from T-Mobile a commitment to move forward with a shared generator at the 56th St. water tank.

Scheduling for an annual water authority meeting will take place in the near future to present the 2019 audit as well as the annual officer nominations.

10. From the Chairman

Nothing new to discuss at this time.

11. Resolutions

2019-04-001 – AUTHORIZING SETTLEMENT OF CLAIM BY VERONICA GRIGGS

- a. Notice of Claim (\$62.50)

Motion by Ms. Kimble and seconded by Ms. Larkin to approve

Forster __absent__ Kimble __Y__ Larkin __Y__ Leffler __absent__ O'Callaghan __Y__

Motion was passed 3-0

2019-04-002 – AWARD CAULKING BID

- a. CPL Recommendation
- b. Bid Tally

Motion by Ms. Kimble and seconded by Ms. Larkin to approve

Forster __absent__ Kimble __Y__ Larkin __Y__ Leffler __absent__ O'Callaghan __Y__

Motion was passed 3-0

2019-04-003 – APPROVING AND ACCEPTING INDEPENDENT AUDIT AND INVESTMENT REPORTS

- a. Audit Report
- b. Investment Report

Motion by Ms. Kimble and seconded by Ms. Larkin to approve

Forster __absent__ Kimble __Y__ Larkin __Y__ Leffler __absent__ O'Callaghan __Y__

Motion was passed 3-0

2019-04-004 – GRANTING THE STATE OF NEW YORK AUTHORITY

**TO PERFORM AN ADJUSTMENT OF NIAGARA FALLS
WATER BOARD FACILITIES AND AGREEMENT TO MAINTAIN
FACILITIES ADJUSTED VIA THE STATE-LET CONTRACT,
PROJECT IDENTIFICATION NO. 5761.9B**

a. Utility Work Agreement Packet

Motion by Ms. Kimble and seconded by Ms. Larkin to approve

Forster __absent__ Kimble __Y__ Larkin __Y__ Leffler __absent__ O'Callaghan __Y__

Motion was passed 3-0

**2019-04-005 – POWER CENTER SIX DUAL-SOURCE SWITCH
REPLACEMENT**

a. April 16, 2019 Ferguson Quote PL 19943

Motion by Ms. Larkin and seconded by Mr. O'Callaghan to approve

Forster __absent__ Kimble __Y__ Larkin __Y__ Leffler __absent__ O'Callaghan __Y__

Motion was passed 3-0

**2019-04-006 – INSTALLATION OF NEW ELECTRICAL FEED
FROM POWER CENTER TWO TO POWER CENTER THREE**

a. April 16, 2019 Ferguson Quote PL 17746

Motion by Ms. Larkin and seconded by Mr. O'Callaghan to approve

Forster __absent__ Kimble __Y__ Larkin __Y__ Leffler __absent__ O'Callaghan __Y__

Motion was passed 3-0

**2019-04-007 – FUNDS FOR AECOM TO COMPLETE BIOLOGICAL
TREATABILITY TESTING AND CHEMICAL OPTIMIZATION
STUDIES**

a. April 12, 2019 AECOM Proposal

Motion by Ms. Kimble and seconded by Ms. Larkin to approve

Forster __absent__ Kimble __Y__ Larkin __Y__ Leffler __absent__ O'Callaghan __Y__

Motion was passed 3-0

12. Unfinished Business

There was no unfinished business to discuss at this time.

13. New Business & Additional Items for Discussion

Ms. Larkin states she would like to notice a brief governance committee meeting for the beginning of the May 2019 work session.

14. Executive Session (if needed)

Motion by Ms. Larkin and seconded by Ms. Kimble to enter into Executive Session to discuss a pending personal injury litigation at 6:09 p.m.

Forster __absent__ Kimble __Y__ Larkin __Y__ Leffler __absent__ O'Callaghan __Y__

Motion was passed 3-0

15. Adjournment of Meeting

Motion by Ms. Larkin and seconded by Ms. Kimble to adjourn at 6:45 p.m.

Forster __absent__ Kimble __Y__ Larkin __Y__ Leffler __absent__ O'Callaghan __Y__

Motion was passed 3-0

DRAFT

DRAFT STORMWATER ANNUAL REPORT

2018 – 2019

Niagara Falls Water Board



NYSDEC SPDES Permit NYR20A094
May 10th, 2019

MS4 Annual Report Cover PageMCC form for period ending March 9,

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This cover page must be completed by the report preparer.
Joint reports require only one cover page.

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Choose one:

☒ **This report is being submitted on behalf of an individual MS4.**

Fill in SPDES ID in upper right hand corner.

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OR

☐ **This report is being submitted on behalf of a Single Entity**

(Per Part II.E of GP-0-10-002)

Name of Single Entity

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OR

☐ **This is a joint report being submitted on behalf of a coalition.**

Provide SPDES ID of each permitted MS4 included in this report. Use page 2 if needed.

Name of Coalition

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MS4 Annual Report Cover Page**MCC form for period ending March 9, 2 0 1 9**

Provide SPDES ID of each permitted MS4 included in this report.

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Niagara Falls Water Board

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Important Instructions - Please Read

1. Principal Executive Officer, Chief Elected Official or other qualified individual (per GP-0-08-002 Part VI.J).
2. Duly Authorized Representative (Information for this contact must only be submitted if a Duly Authorized Representative is signing this form)
3. The Local Stormwater Public Contact (required per GP-0-08-002 Part VII.A.2.c & Part VIII.A.2.c).
4. The Stormwater Management Program (SWMP) Coordinator (Individual responsible for coordination/implementation of SWMP).
5. Report Preparer (Consultants may provide company name in the space provided).

If a new Duly Authorized Representative is signing this report, their contact information must be provided and a signature authorization form, signed by the Principal Executive Officer or Chief Elected Official must be attached.

- Principal Executive Officer/Chief Elected Official
- Duly Authorized Representative
- Local Stormwater Public Contact
- Stormwater Management Program (SWMP) Coordinator
- Report Preparer

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Important Instructions - Please Read

Contact information must be provided for *each* of the following positions as indicated below:

1. Principal Executive Officer, Chief Elected Official or other qualified individual (per GP-0-08-002 Part VI.J).
2. Duly Authorized Representative (Information for this contact must only be submitted if a Duly Authorized Representative is signing this form)
3. The Local Stormwater Public Contact (required per GP-0-08-002 Part VII.A.2.c & Part VIII.A.2.c).
4. The Stormwater Management Program (SWMP) Coordinator (Individual responsible for coordination/implementation of SWMP).
5. Report Preparer (Consultants may provide company name in the space provided).

A separate sheet must be submitted for each position listed above unless more than one position is filled by the same individual. If one individual fills multiple roles, provide the contact information once and check all positions that apply to that individual.

If a new Duly Authorized Representative is signing this report, their contact information must be provided and a signature authorization form, signed by the Principal Executive Officer or Chief Elected Official must be attached.

For each contact, select all that apply:

- ☐ Principal Executive Officer/Chief Elected Official
- ☐ Duly Authorized Representative
- ☐ Local Stormwater Public Contact
- ☐ Stormwater Management Program (SWMP) Coordinator
- ☒ Report Preparer

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MCC form for period ending March 9,

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Section 2 - Contact Information

Important Instructions - Please Read

Contact information must be provided for *each* of the following positions as indicated below:

1. Principal Executive Officer, Chief Elected Official or other qualified individual (per GP-0-08-002 Part VI.J).
2. Duly Authorized Representative (Information for this contact must only be submitted if a Duly Authorized Representative is signing this form)
3. The Local Stormwater Public Contact (required per GP-0-08-002 Part VII.A.2.c & Part VIII.A.2.c).
4. The Stormwater Management Program (SWMP) Coordinator (Individual responsible for coordination/implementation of SWMP).
5. Report Preparer (Consultants may provide company name in the space provided).

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If a new Duly Authorized Representative is signing this report, their contact information must be provided and a signature authorization form, signed by the Principal Executive Officer or Chief Elected Official must be attached.

For each contact, select all that apply:

- ☐ Principal Executive Officer/Chief Elected Official
- ☐ Duly Authorized Representative
- ☒ Local Stormwater Public Contact
- ☒ Stormwater Management Program (SWMP) Coordinator
- ☐ Report Preparer

First Name									
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MI
S

Last Name									
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Title																																	
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County										
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MS4 Municipal Compliance Certification (MCC) Form

MCC form for period ending March 9, 2 0 1 9

Name of MS4 Niagara Falls Water Board

SPDES ID

N Y R 2 0 A 0 9 4

Section 3 - Partner Information

Did your MS4 work with partners/coalition to complete some or all permit requirements during this reporting period?

☒ Yes ☐ No

If Yes, complete information below.

Submit a separate sheet for each partner. Information provided in other formats will not be accepted. If your MS4 cooperated with a coalition, submit one sheet with the name of the coalition. It is not necessary to include a separate sheet for each MS4 in the coalition.

If No, proceed to Section 4 - Certification Statement.

Partner/Coalition Name

W e s t e r n N Y S t o r m w a t e r C o a l i t i o n

Partner/Coalition Name (con't.)

c / o E r i e C o u n t y D E P

SPDES Partner ID - If applicable

N Y R 2 0

Address

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City

B u f f a l o

State

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Zip

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Phone

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Legally Binding Agreement in accordance with GP-0-08-002 Part IV.G.?

☒ Yes ☐ No

What tasks/responsibilities are shared with this partner (e.g. MM1 School Programs or Multiple Tasks)?

● MM1 M u l t i p l e T a s k s

● MM2 M u l t i p l e T a s k s

● MM3 M u l t i p l e T a s k s

● MM4 T r a i n i n g & E d u c a t i o n

● MM5 T r a i n i n g & E d u c a t i o n

● MM6 T r a i n i n g & E d u c a t i o n

Additional tasks/responsibilities

- ☐ Watershed Improvement Strategy Best Management Practices required for MS4s in impaired watersheds included in GP-0-08-002 Part IX.

MS4 Municipal Compliance Certification(MCC) Form

MCC form for period ending March 9,

2 0 1 9

Name of MS4

Niagara Falls Water Board

SPDES ID

N Y R 2 0 A 0 9 4

Section 4 - Certification Statement

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

This form must be signed by either a principal executive officer or ranking elected official, or duly authorized representative of that person as described in GP-0-08-002 Part VI.J.

First Name

P a t r i c k

MI

Last Name

F a m a

Title (Clearly print title of individual signing report)

E x e c u t i v e D i r e c t o r

Signature

Date

0 5 / 1 0 / 2 0 1 9

Send completed form and any attachments to the DEC Central Office at:

MS4 Permit Coordinator
Division of Water
4th Floor
625 Broadway
Albany, New York 12233-3505

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SPDES ID _____

Niagara Falls Water Board

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Water Quality Trends

The information in this section is being reported (check one):

- On behalf of a coalition

How many MS4s are contributed to this report?

1. Has this MS4/Coalition produced any reports documenting water quality trends related to stormwater? If not, answer No and proceed to Minimum Control Measure One. ☐ Yes ☒ No

☐ Yes ☒ No

If Yes, choose one of the following

- ☐ Report(s) attached to the annual report

Please provide specific address of page where report(s) can be accessed - not home page.

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MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9,

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If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

Name of MS4/Coalition

Niagara Falls Water Board

SPDES ID

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Minimum Control Measure 1. Public Education and Outreach

The information in this section is being reported (check one):

- ☒ On behalf of an individual MS4
☐ On behalf of a coalition

How many MS4s contributed to this report?

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1. Targeted Public Education and Outreach Best Management Practices

Check all topics that were included in Education and Outreach during this reporting period:

- | | |
|---|---|
| <input checked="" type="radio"/> Construction Sites
<input checked="" type="radio"/> General Stormwater Management Information
<input checked="" type="radio"/> Household Hazardous Waste Disposal
<input checked="" type="radio"/> Illicit Discharge Detection and Elimination
<input checked="" type="radio"/> Infrastructure Maintenance
<input type="radio"/> Smart Growth
<input type="radio"/> Storm Drain Marking
<input type="radio"/> Green Infrastructure/Better Site Design/Low Impact Development
<input checked="" type="radio"/> Other: | <input checked="" type="radio"/> Pesticide and Fertilizer Application
<input checked="" type="radio"/> Pet Waste Management
<input type="radio"/> Recycling
<input type="radio"/> Riparian Corridor Protection/Restoration
<input type="radio"/> Trash Management
<input checked="" type="radio"/> Vehicle Washing
<input type="radio"/> Water Conservation
<input type="radio"/> Wetland Protection
<input type="radio"/> None |
|---|---|

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Other

2. Specific audiences targeted during this reporting period:

- | | |
|---|--|
| <input checked="" type="radio"/> Public Employees
<input checked="" type="radio"/> Residential
<input type="radio"/> Businesses
<input type="radio"/> Restaurants
<input checked="" type="radio"/> Other: | <input checked="" type="radio"/> Contractors
<input checked="" type="radio"/> Developers
<input checked="" type="radio"/> General Public
<input type="radio"/> Industries
<input type="radio"/> Agricultural |
|---|--|

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Other

MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9,

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If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

Name of MS4/Coalition	Niagara Falls Water Board
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SPDES ID

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3. What strategies did your MS4/Coalition use to achieve education and outreach goals during this reporting period? Check all that apply:

● Construction Site Operators Trained

# Trained			2	2	7
-----------	--	--	---	---	---

- Direct Mailings

# Mailings					
------------	--	--	--	--	--

● Kiosks or Other Displays

# Locations				3	5
-------------	--	--	--	---	---

- List-Serves

# In List				
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○ Mailing List

# In List				
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● Newspaper Ads or Articles

# Days Run					4
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● Public Events/Presentations

# Attendees	1	2	6	3	4
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● School Program

# Attendees	3	1	5	1
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○ TV Spot/Program

# Days Run					
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● Printed Materials:

Total # Distributed	5	5	2	1
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Locations (e.g. libraries, town offices, kiosks)

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● Other:

T	r	a	i	n	i	n	g	-	E	d		H	a	n	d	o	u	t	s
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● Web Page: Provide specific web addresses - not home page. Continue on next page if additional space is needed.

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If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

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3. Web Page con't.: Provide specific web addresses - not home page.

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MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9,

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If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

Name of MS4/Coalition

Niagara Falls Water Board

SPDES ID

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4. Evaluating Progress Toward Measurable Goals MCM 1

Use this page to report on your progress and project plans toward achieving measurable goals identified in your Stormwater Management Program Plan (SWMPP), including requirements in Part III.C.1. Submit additional pages as needed.

A. Briefly summarize the Measurable Goal identified in the SWMPP in this reporting period.

Identification of Pollutants of Concern; Waterbodies of Concern; Geographic Areas of Concern; Target Audiences

B. Briefly summarize the observations that indicated the overall effectiveness of this Measurable Goal.

Pollutants of Concern: sediment/silt; pathogens; floatables; phosphorous
Waterbodies of Concern: Cayuga, Bergholtz, Gill Creeks, Little Niagara and Niagara River
Geographic Areas of Concern: The Lasalle Sewer System Area
Target Audiences: households; developers; contractors; small businesses

C. How many times was this observation measured or evaluated in this reporting period?

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(ex.: samples/participants/events)

D. Has your MS4 made progress toward this Measurable Goal during this reporting period?

☒ Yes ☐ No

E. Is your MS4 on schedule to meet the deadline set forth in the SWMPP?

☒ Yes ☐ No

F. Briefly summarize the stormwater activities planned to meet the goals of this MCM during the next reporting cycle (including an implementation schedule).

As needed, update POCs, waterbodies of concern, geographic areas of concern and target audiences. Continue to address via public education and outreach.

MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9,

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If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

Name of MS4/Coalition

Niagara Falls Water Board

SPDES ID

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4. Evaluating Progress Toward Measurable Goals MCM 1

Use this page to report on your progress and project plans toward achieving measurable goals identified in your Stormwater Management Program Plan (SWMPP), including requirements in Part III.C.1. Submit additional pages as needed.

A. Briefly summarize the Measurable Goal identified in the SWMPP in this reporting period.

Develop additional/update existing public education materials addressing stormwater pollution prevention for general public, target businesses/activities and schools. Prepare posters that can be placed within municipal buildings, libraries, and schools. Maintain a webpage to educate the public on stormwater pollution prevention, the MS4 SWMPP and involvement opportunities.
Display/distribute public education materials and posters in NFWB Public areas.

B. Briefly summarize the observations that indicated the overall effectiveness of this Measurable Goal.

Maintained records of number of educational materials distributed.
New Brochures: Litter
Distributed posters to public libraries and municipal buildings for display.
Rotated rain barrel display at Erie/Niagara County DMV buildings (9).

C. How many times was this observation measured or evaluated in this reporting period?

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(ex.: samples/participants/events)

D. Has your MS4 made progress toward this Measurable Goal during this reporting period?

☒ Yes ☐ No

E. Is your MS4 on schedule to meet the deadline set forth in the SWMPP?

☒ Yes ☐ No

F. Briefly summarize the stormwater activities planned to meet the goals of this MCM during the next reporting cycle (including an implementation schedule).

Develop additional public education brochures - as needed.
Continue to display public education materials in municipal buildings and libraries.
Update webpage as needed with new educational materials.
Continue to reinforce the messages conveyed with printed materials & displays with use of additional media when funding is available.

MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9,

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Name of MS4/Coalition

Niagara Falls Water Board

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4. Evaluating Progress Toward Measurable Goals MCM 1

Use this page to report on your progress and project plans toward achieving measurable goals identified in your Stormwater Management Program Plan (SWMPP), including requirements in Part III.C.1. Submit additional pages as needed.

A. Briefly summarize the Measurable Goal identified in the SWMPP in this reporting period.

Distribute Grades K-12 education packages.
Participate in educational programming.
Conduct annual Rain Barrel Painting Contest for schools/community groups in Erie/Niagara Counties.

B. Briefly summarize the observations that indicated the overall effectiveness of this Measurable Goal.

Participated in school educational programs (12 events: 3,151).
Coordinated annual Rain Barrel Painting Contest for K-12 schools/youth groups (1 event: 1,280 participants).
Distributed K-12 education packages (1 event; 750).

C. How many times was this observation measured or evaluated in this reporting period?

		1	4
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(ex.: samples/participants/events)

D. Has your MS4 made progress toward this Measurable Goal during this reporting period?

Teacher education packages are a bi-ennial BMP.

☒ Yes ☐ No**E. Is your MS4 on schedule to meet the deadline set forth in the SWMPP?**☒ Yes ☐ No**F. Briefly summarize the stormwater activities planned to meet the goals of this MCM during the next reporting cycle (including an implementation schedule).**

Education packages will be updated & distributed March 2020 - March 2021 reporting cycle as per current biennial implementation.
Participate in school science fairs/events, Niagara County's Environmental Field Days.
Conduct annual Rain Barrel Painting Contest for K-12 schools/groups in Erie and Niagara County.

MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9,

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If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

Name of MS4/Coalition

Niagara Falls Water Board

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4. Evaluating Progress Toward Measurable Goals MCM 1

Use this page to report on your progress and project plans toward achieving measurable goals identified in your Stormwater Management Program Plan (SWMPP), including requirements in Part III.C.1. Submit additional pages as needed.

A. Briefly summarize the Measurable Goal identified in the SWMPP in this reporting period.

Utilize public education display for outreach & education for at least two local community events or set up public education display in a prominent location in a municipal building. Mount a permanent wall plaque in a municipal building frequented by the public.
Utilize public education display for outreach & education at regional community events.

B. Briefly summarize the observations that indicated the overall effectiveness of this Measurable Goal.

Set up public education display for outreach & education at two local community events/locations within the MS4 community.
Maintained the permanent, wall-mounted plaque and stormwater display at the NFWB offices.
Utilized public education display/activities for outreach & education

C. How many times was this observation measured or evaluated in this reporting period?

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(ex.: samples/participants/events)

D. Has your MS4 made progress toward this Measurable Goal during this reporting period?

☒ Yes ☐ No

E. Is your MS4 on schedule to meet the deadline set forth in the SWMPP?

☒ Yes ☐ No

F. Briefly summarize the stormwater activities planned to meet the goals of this MCM during the next reporting cycle (including an implementation schedule).

Plan to use public education display at two local community events/locations by March 9, 2020 and/or continue use of public education display and permanently mounted wall plaque in prominent locations in a municipal building frequented by the public.
Plan to use public education display at 25 regional community events by March 9, 2020.

MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9,

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If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

Name of MS4/Coalition

Niagara Falls Water Board

SPDES ID

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4. Evaluating Progress Toward Measurable Goals MCM 1

Use this page to report on your progress and project plans toward achieving measurable goals identified in your Stormwater Management Program Plan (SWMPP), including requirements in Part III.C.1. Submit additional pages as needed.

A. Briefly summarize the Measurable Goal identified in the SWMPP in this reporting period.

Post PSAs on WNY Stormwater Coalition webpage.
Use PSAs at public meetings, in school programs and at community events as appropriate.

B. Briefly summarize the observations that indicated the overall effectiveness of this Measurable Goal.

PSAs on webpage (www.erie.gov/stormwater).

C. How many times was this observation measured or evaluated in this reporting period?

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(ex.: samples/participants/events)

D. Has your MS4 made progress toward this Measurable Goal during this reporting period?

☒ Yes ☐ No

E. Is your MS4 on schedule to meet the deadline set forth in the SWMPP?

☒ Yes ☐ No

F. Briefly summarize the stormwater activities planned to meet the goals of this MCM during the next reporting cycle (including an implementation schedule).

Continue to promote PSAs addressing stormwater pollution and water quality protection in WNY. Use video and/or PSAs at public education venues. Continue to pursue funding opportunities to use local media outlets to educate the public.

MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9,

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If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

Name of MS4/Coalition

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Minimum Control Measure 2. Public Involvement/Participation

The information in this section is being reported (check one):

☒ On behalf of an individual MS4

☐ On behalf of a coalition

How many MS4s contributed to this report?

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1. What opportunities were provided for public participation in implementation, development, evaluation and improvement of the Stormwater Management Program (SWMP) Plan during this reporting period? Check all that apply:

☒ Cleanup Events

Events

				9
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☐ Comments on SWMP Received

Comments

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☐ Community Hotlines

Phone # (

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Phone # (

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☒ Community Meetings (All WNYSC meetings open to public)

Attendees

		1	3	6
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☐ Plantings

Sq. Ft.

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☒ Storm Drain Markings

Drains

				0
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☐ Stakeholder Meetings

Attendees

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☐ Volunteer Monitoring

Events

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☒ Other:

H	o	u	s	e	h	o	l	d	H	a	z	a	r	d	o	u	s	W	a	s	t	e	E	v	e	n	t	s
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2. Was public notice of availability of this annual report and Stormwater Management Program (SWMP) Plan provided?

☐ Yes ☐ No

☐ List-Serve

In List

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☒ Newspaper Advertising

Days Run

				1
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☐ TV/Radio Notices

Days Run

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☒ Other:

O	u	t	r	e	a	c	h	a	t	P	u	b	l	i	c	L	i	b	r	a	r	i	e	s
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☒ Web Page URL: Enter URL(s) on the following two pages.

MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9,

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If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

Name of MS4/Coalition

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Please provide specific address(es) where notice(s) can be accessed - not home page.

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If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

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MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9,

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Name of MS4/Coalition

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3. Where can the public access copies of this annual report, Stormwater Management Program SWMP) Plan and submit comments on those documents?

Enter address/contact info and select radio button to indicate which document is available and whether comments may be submitted at that location. Submit additional pages as needed.

☒ MS4/Coalition Office

☒ Annual Report ☒ SWMP Plan ☒ Comments

Department

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☐ Library

☐ Annual Report ☐ SWMP Plan ☐ Comments

Address

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☒ Other

☐ Annual Report ☒ SWMP Plan ☒ Comments

Address

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City

B	u	f	f	a	l	o
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N	Y
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Zip

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Phone

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☒ Web Page URL:

☐ Annual Report ☒ SWMP Plan ☐ Comments

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Please provide specific address of page where report can be accessed - not home page.

☒ eMail

☐ Comments

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MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9,

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If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

Name of MS4/Coalition

Niagara Falls Water Board

SPDES ID

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4.a. If this report was made available on the internet, what date was it posted?

Leave blank if this report was not posted on the internet.

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4.b. For how many days was/will this report be posted?

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If submitting a report for single MS4, answer 5.a.. If submitting a joint report, answer 5.b..

5.a. Was an Annual Report public meeting held in this reporting period?

☒ Yes ☐ No

If Yes, what was the date of the meeting?

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If No, is one planned?

☐ Yes ☐ No

5.b. Was an Annual Report public meeting held for all MS4s contributing to this report during this reporting period? WNY Stormwater Coalition - April 2019 ☒ Yes ☐ No

If No, is one planned for each?

☐ Yes ☐ No

6. Were comments received during this reporting period?

☐ Yes ☒ No

If Yes, attach comments, responses and changes made to SWMP in response to comments to this report.

MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9,

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Name of MS4/Coalition

Niagara Falls Water Board

SPDES ID

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7. Evaluating Progress Toward Measurable Goals MCM 2

Use this page to report on your progress and project plans toward achieving measurable goals identified in your Stormwater Management Program Plan (SWMPP), including requirements in Part III.C.1. Submit additional pages as needed.

A. Briefly summarize the Measurable Goal identified in the SWMPP in this reporting period.

Identify key individuals and groups who are interested in/or affected by the permitting program. Groups identified include: Erie County Environmental Management Council; Niagara County Environmental Management Council; municipal Conservation Advisory Committees; Buffalo Niagara Waterkeeper; Erie and Niagara County's Soil & Water Conservation Districts; Erie County Water Quality Committee.

B. Briefly summarize the observations that indicated the overall effectiveness of this Measurable Goal.

Periodic reports to Erie/Niagara County Environmental Management Councils; MS4 Conservation Advisory Committees; Erie County Water Quality Committee. Participation of Erie and Niagara County Soil & Water Conservation Districts (5); and, Erie County Water Quality Committee (2) in WNYSC monthly meetings, SWMP and Annual Report review, trainings and activities.

C. How many times was this observation measured or evaluated in this reporting period?

			7
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(ex.: samples/participants/events)

D. Has your MS4 made progress toward this measurable goal during this reporting period?
☒ Yes ☐ No
E. Is your MS4 on schedule to meet the deadline set forth in the SWMPP?
☒ Yes ☐ No
F. Briefly summarize the stormwater activities planned to meet the goals of this MCM during the next reporting cycle (including an implementation schedule).

Continue periodic reports to Erie/Niagara County Environmental Management Councils; MS4 Conservation Advisory Committees; Erie County Water Quality Committee. Continue to encourage participation of Buffalo Niagara Waterkeeper; Erie County Soil & Water Conservation District; Niagara County Soil & Water Conservation District and MS4 Conservation Advisory Committee members in WNYSC monthly meetings, trainings & activities.

MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9,

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If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

Name of MS4/Coalition

Niagara Falls Water Board

SPDES ID

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7. Evaluating Progress Toward Measurable Goals MCM 2

Use this page to report on your progress and project plans toward achieving measurable goals identified in your Stormwater Management Program Plan (SWMPP), including requirements in Part III.C.1. Submit additional pages as needed.

A. Briefly summarize the Measurable Goal identified in the SWMPP in this reporting period.

Provide public with an ongoing opportunity to inspect Stormwater Management Program Plan (SWMPP) and review/comment. Present the draft Annual Report at a meeting that is open to the public and/or on the internet to solicit public review and comment.
Provide public notice about the presentation in accordance with State Open Meetings Law or other local public notice requirements.

B. Briefly summarize the observations that indicated the overall effectiveness of this Measurable Goal.

Number of known SWMPP reviews/comments (0).
Number of attendees at public meeting (WNYSC: 21; MS4: 5).
Number of known Annual Report reviews/comments (0)
Number of known webpage reviews (0).

C. How many times was this observation measured or evaluated in this reporting period?

			5
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(ex.: samples/participants/events)

D. Has your MS4 made progress toward this measurable goal during this reporting period?
☐ Yes ☐ No
E. Is your MS4 on schedule to meet the deadline set forth in the SWMPP?
☐ Yes ☐ No
F. Briefly summarize the stormwater activities planned to meet the goals of this MCM during the next reporting cycle (including an implementation schedule).

Continue to provide public with an ongoing opportunity to inspect SWMPP and review/comment. Continue to present the draft Annual Report at a meeting that is open to the public and/or on the internet to solicit public review and comment.

MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9,

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If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

Name of MS4/Coalition

Niagara Falls Water Board

SPDES ID

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7. Evaluating Progress Toward Measurable Goals MCM 2

Use this page to report on your progress and project plans toward achieving measurable goals identified in your Stormwater Management Program Plan (SWMPP), including requirements in Part III.C.1. Submit additional pages as needed.

A. Briefly summarize the Measurable Goal identified in the SWMPP in this reporting period.

Inform and encourage residents about opportunities to participate in stormwater pollution prevention programming including: community clean up initiatives such as Household Hazardous Waste collections, Great American Clean Ups; Buffalo Niagara Waterkeeper Spring/Fall Shoreline Clean Up and Keep America Beautiful Fall Beach Sweep; and, annual Erie-Niagara County Rain Barrel and Compost Bin Sales.

B. Briefly summarize the observations that indicated the overall effectiveness of this Measurable Goal.

Number of Household Hazardous Waste collections (4); number of participants (2,836)
 Number of clean up events (24); number of participants (3,326)
 Number of Rain Barrels/Composters sold (628); number of participants (504)

C. How many times was this observation measured or evaluated in this reporting period?

Number of participants:

6	6	6	6
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(ex.: samples/participants/events)

D. Has your MS4 made progress toward this measurable goal during this reporting period?

☒ Yes ☐ No

E. Is your MS4 on schedule to meet the deadline set forth in the SWMPP?

☒ Yes ☐ No

F. Briefly summarize the stormwater activities planned to meet the goals of this MCM during the next reporting cycle (including an implementation schedule).

Erie County: Publish a notice in local paper & Erie County Household Hazardous Waste webpage to notify residents of the Collection events. Niagara County: Educate residents on options for disposal of household hazardous waste, location, schedule and guidelines for facilities accepting the waste (year-round;ongoing). Rain barrel/composter sale scheduled for May 2019.
 Continue to track community clean up events and other stormwater related community involvement.

MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9,

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Name of MS4/Coalition

Niagara Falls Water Board

SPDES ID

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7. Evaluating Progress Toward Measurable Goals MCM 2

Use this page to report on your progress and project plans toward achieving measurable goals identified in your Stormwater Management Program Plan (SWMPP), including requirements in Part III.C.1. Submit additional pages as needed.

A. Briefly summarize the Measurable Goal identified in the SWMPP in this reporting period.

There is a feedback mechanism on the Niagara Falls Water Board web page that provides the public the opportunity to contact us regarding stormwater management concerns.

B. Briefly summarize the observations that indicated the overall effectiveness of this Measurable Goal.

Number of responses received.

C. How many times was this observation measured or evaluated in this reporting period?

			0
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(ex.: samples/participants/events)

D. Has your MS4 made progress toward this measurable goal during this reporting period?

☒ Yes ☐ No

E. Is your MS4 on schedule to meet the deadline set forth in the SWMPP?

☒ Yes ☐ No

F. Briefly summarize the stormwater activities planned to meet the goals of this MCM during the next reporting cycle (including an implementation schedule).

Continue to provide feedback option on webpage in the form of a name/contact number and public comment forms.

MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9,

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If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

Name of MS4/Coalition

Niagara Falls Water Board

SPDES ID

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7. Evaluating Progress Toward Measurable Goals MCM 2

Use this page to report on your progress and project plans toward achieving measurable goals identified in your Stormwater Management Program Plan (SWMPP), including requirements in Part III.C.1. Submit additional pages as needed.

A. Briefly summarize the Measurable Goal identified in the SWMPP in this reporting period.

Identify Contact Person for Stormwater Program.

B. Briefly summarize the observations that indicated the overall effectiveness of this Measurable Goal.

Stormwater Management Officer is currently Douglas S. Williamson
Stormwater Management Officer is listed in MS4 Reference Guide on WNY Stormwater Coalition webpage.

C. How many times was this observation measured or evaluated in this reporting period?

	N/A	
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(ex.: samples/participants/events)

D. Has your MS4 made progress toward this measurable goal during this reporting period?

☒ Yes ☐ No

E. Is your MS4 on schedule to meet the deadline set forth in the SWMPP?

☒ Yes ☐ No

F. Briefly summarize the stormwater activities planned to meet the goals of this MCM during the next reporting cycle (including an implementation schedule).

Identify Stormwater Management Officer in SWMPP, update as needed.
Identify Stormwater Management Officer in MS4 Reference Guide on WNY Stormwater Coalition webpage, update as needed.

If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

Name of MS4/Coalition

Niagara Falls Water Board

SPDES ID

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Minimum Control Measure 3. Illicit Discharge Detection and Elimination

The information in this section is being reported (check one):

- On behalf of an individual MS4
- On behalf of a coalition

How many MS4s contributed to this report?

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1. Enter the number and approx. percent of outfalls mapped:

			9	6	#
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1	0	0	%
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2. How many of these outfalls have been screened for dry weather discharges during this reporting period (outfall reconnaissance inventory)?

	4	7
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3.a. What types of generating sites/sewersheds were targeted for inspection during this reporting period?

- ☐ Auto Recyclers
 - ☐ Building Maintenance
 - ☐ Churches
 - ☐ Commercial Carwashes
 - ☐ Commercial Laundry/Dry Cleaners
 - ☒ Construction Vehicle Washouts
 - ☒ Cross-Connections
 - ☐ Distribution Centers
 - ☐ Food Processing Facilities
 - ☐ Garbage Truck Washouts
 - ☐ Hospitals
 - ☐ Improper RV Waste Disposal
 - ☐ Industrial Process Water
 - ☒ Other:
 - ☐ Landscaping (Irrigation)
 - ☐ Marinas
 - ☐ Metal Plateing Operations
 - ☒ Outdoor Fluid Storage
 - ☒ Parking Lot Maintenance
 - ☐ Printing
 - ☒ Residential Carwashing
 - ☒ Restaurants
 - ☐ Schools and Universities
 - ☐ Septic Maintenance
 - ☐ Swimming Pools
 - ☐ Vehicle Fueling
 - ☐ Vehicle Maint./Repair Shops
 - ☐ None

● Other:

[illegible]

- Sewersheds:

[illegible]

MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9, 2 | 0 | 1 | 9

If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

Name of MS4/Coalition

Niagara Falls Water Board

SPDES ID

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3.b. What types of illicit discharges have been found during this reporting period?

- ☒ Broken Lines From Sanitary Sewer
 - ☐ Industrial Connections
 - ☒ Cross Connections
 - ☒ Inflow/Infiltration
 - ☐ Failing Septic Systems
 - ☐ Pump Station Failure
 - ☒ Floor Drains Connected To Storm Sewers
 - ☒ Sanitary Sewer Overflows
 - ☐ Illegal Dumping
 - ☐ Straight Pipe Sewer Discharges
 - ☐ Other:
 - ☐ None

[illegible]

4. How many illicit discharges/potential illegal connections have been detected during this reporting period?

	2	6
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5. How many illicit discharges have been confirmed during this reporting period?

	2	6
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6. How many illicit discharges/illegal connections have been eliminated during this reporting period?

	2	6
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7. Has the storm sewershed mapping been completed in this reporting period?

☒ Yes ☐ No

If No, approximately what percent was completed in this reporting period?

			%
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8. Is the above information available in GIS?

☒ Yes ☐ No

Is this information available on the web?

☒ Yes ☐ No

If Yes, provide URL(s):

Please provide specific address of page where map(s) can be accessed - not home page.

URL

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MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9, 2 | 0 | 1 | 9

If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

Name of MS4/Coalition

Niagara Falls Water Board

SPDES ID

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8. URL(s) con't.:

Please provide specific address of page where map(s) can be accessed - not home page

URL

[illegible]

URL

[illegible]

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[illegible]

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[illegible]

URL

[illegible]

9. Has an IDDE law been adopted for each traditional MS4 and/or have IDDE procedures been approved for all non-traditional MS4s contributing to this report? ☒ Yes ☐ No

10. If Yes, has every traditional MS4 contributing to this report certified that this law is equivalent to the NYS Model IDDE Law? ☐ Yes ☐ No ☒ NT

11. What percent of staff in relevant positions and departments has received IDDE training?

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MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9,

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If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

Name of MS4/Coalition

Niagara Falls Water Board

SPDES ID

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12. Evaluating Progress Toward Measurable Goals MCM 3

Use this page to report on your progress and project plans toward achieving measurable goals identified in your Stormwater Management Program Plan (SWMPP), including requirements in Part III.C.1. Submit additional pages as needed.

A. Briefly summarize the Measurable Goal identified in the SWMPP in this reporting period.

Update outfall data and map as needed.

B. Briefly summarize the observations that indicated the overall effectiveness of this Measurable Goal.

Outfall inspections continued under a prioritized system. In 2018, 47 outfalls were inspected that included priority 1 (48" & greater, SSO's) & priority 2 (21" - 42").
GIS outfall map is current.

C. How many times was this observation measured or evaluated in this reporting period?

		4	7
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(ex.: samples/participants/events)

D. Has your MS4 made progress toward this measurable goal during this reporting period?

☒ Yes ☐ No

E. Is your MS4 on schedule to meet the deadline set forth in the SWMPP?

☒ Yes ☐ No

F. Briefly summarize the stormwater activities planned to meet the goals of this MCM during the next reporting cycle (including an implementation schedule).

Continue outfall inspections according to schedule.
Continue to update existing information/add new outfalls as needed.
Continue to maintain and update GIS outfall map.

MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9,

2	0	1	9
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If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

Name of MS4/Coalition

Niagara Falls Water Board

SPDES ID

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12. Evaluating Progress Toward Measurable Goals MCM 3

Use this page to report on your progress and project plans toward achieving measurable goals identified in your Stormwater Management Program Plan (SWMPP), including requirements in Part III.C.1. Submit additional pages as needed.

A. Briefly summarize the Measurable Goal identified in the SWMPP in this reporting period.

Outfall Reconnaissance Inventory (ORI) - routine dry weather visual inspections of outfalls.

B. Briefly summarize the observations that indicated the overall effectiveness of this Measurable Goal.

Outfall inspections continued under a prioritized system. In 2018 data was updated for 17 priority 1 (48" & Greater, SSO's) and 30 priority 2 (21" - 42") that were inspected. Inspection guidelines include: No flow in dry weather, uncontaminated clear flow >>Check for WM leaks, odors, colors, stains, sheens >> possible illicit discharges, floatables, debris>> possible failure of upstream sumps/traps.

C. How many times was this observation measured or evaluated in this reporting period?

		4	7
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(ex.: samples/participants/events)

D. Has your MS4 made progress toward this measurable goal during this reporting period?

☒ Yes ☐ No

E. Is your MS4 on schedule to meet the deadline set forth in the SWMPP?

☒ Yes ☐ No

F. Briefly summarize the stormwater activities planned to meet the goals of this MCM during the next reporting cycle (including an implementation schedule).

Priority 1 (20%) of the 96 total outfalls are planned for inspection in the next reporting period that ends in early March of 2019. Plan to continue outfall inspections according to prioritized schedule with a minimum of at least 20% of outfalls inspected each year.

MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9,

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Name of MS4/Coalition

Niagara Falls Water Board

SPDES ID

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12. Evaluating Progress Toward Measurable Goals MCM 3

Use this page to report on your progress and project plans toward achieving measurable goals identified in your Stormwater Management Program Plan (SWMPP), including requirements in Part III.C.1. Submit additional pages as needed.

A. Briefly summarize the Measurable Goal identified in the SWMPP in this reporting period.

Pollutant source tracking procedures to detect and address non-stormwater discharges, including illegal dumping, as needed in response to public complaints or by scheduled inspection of outfalls.

B. Briefly summarize the observations that indicated the overall effectiveness of this Measurable Goal.

The Niagara Falls Water Board inspects outfalls on a yearly basis under a prioritized system. Based on public complaints received or visual inspection of the outfall, the NFWB plans to sample these outfalls for pollutants as needed.

C. How many times was this observation measured or evaluated in this reporting period?

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(ex.: samples/participants/events)

D. Has your MS4 made progress toward this measurable goal during this reporting period?

☒ Yes ☐ No

E. Is your MS4 on schedule to meet the deadline set forth in the SWMPP?

☒ Yes ☐ No

F. Briefly summarize the stormwater activities planned to meet the goals of this MCM during the next reporting cycle (including an implementation schedule).

Plan to sample outfalls discharging during dry weather to determine presence of pollutants. Plan to conduct trackdown sampling/investigation as needed. An illicit Discharge Track Down Protocol and Sampling Procedures have been developed and will be followed. Testing equipment is available and additional training for sampling and analysis will continue in 2019.

MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9,

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If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

Name of MS4/Coalition

Niagara Falls Water Board

SPDES ID

N	Y	R	2	0	A	0	9	4
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Minimum Control Measures 4 and 5.
Construction Site and Post-Construction Control

The information in this section is being reported (check one):

- ☒ On behalf of an individual MS4
☐ On behalf of a coalition

How many MS4s contributed to this report?

--	--	--

1a. Has each MS4 contributing to this report adopted a law, ordinance or other regulatory mechanism that provides equivalent protection to the NYS SPDES General Permit for Stormwater Discharges from Construction Activities? ☒ Yes ☐ No

1b. Has each Town, City and/or Village contributing to this report documented that the law is equivalent to a NYSDEC Sample Local Law for Stormwater Management and Erosion and Sediment Control through either an attorney certification or using the NYSDEC Gap Analysis Workbook? ☐ Yes ☐ No ☒ NT

If Yes, Towns, Cities and Villages provide date of equivalent NYS Sample Local Law.

☐ 09/2004 ☐ 03/2006 ☐ NT

2. Does your MS4/Coalition have a SWPPP review procedure in place? ☐ Yes ☐ No

3. How many Construction Stormwater Pollution Prevention Plans (SWPPPs) have been reviewed in this reporting period?

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4. Does your MS4/Coalition have a mechanism for receipt and consideration of public comments related to construction SWPPPs? ☐ Yes ☐ No ☒ NT

If Yes, how many public comments were received during this reporting period?

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5. Does your MS4/Coalition provide education and training for contractors about the local SWPPP process? ☒ Yes ☐ No

Via NYS 4 Hour Erosion & Sediment Control Training

6. Identify which of the following types of enforcement actions you used during the reporting period for construction activities, indicate the number of actions, or note those for which you do not have authority:

<input type="radio"/> Notices of Violation	#	<table border="1"><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>							<input checked="" type="radio"/> No Authority
<input type="radio"/> Stop Work Orders	#	<table border="1"><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>							<input checked="" type="radio"/> No Authority
<input type="radio"/> Criminal Actions	#	<table border="1"><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>							<input checked="" type="radio"/> No Authority
<input type="radio"/> Termination of Contracts	#	<table border="1"><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>							<input checked="" type="radio"/> No Authority
<input type="radio"/> Administrative Fines	#	<table border="1"><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>							<input checked="" type="radio"/> No Authority
<input type="radio"/> Civil Penalties	#	<table border="1"><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>							<input checked="" type="radio"/> No Authority
<input type="radio"/> Administrative Orders	#	<table border="1"><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>							<input checked="" type="radio"/> No Authority
<input type="radio"/> Enforcement Actions or Sanctions	#	<table border="1"><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>							
<input type="radio"/> Other	#	<table border="1"><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>							<input checked="" type="radio"/> No Authority

MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9,

2	0	1	9
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If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

Name of MS4/Coalition

Niagara Falls Water Board

SPDES ID

N	Y	R	2	0	A	0	9	4
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Minimum Control Measure 4. Construction Site Stormwater Runoff Control

The information in this section is being reported (check one):

- ☒ On behalf of an individual MS4
☐ On behalf of a coalition

How many MS4s contributed to this report?

--	--	--

1. How many construction projects have been authorized for disturbances of one acre or more during this reporting period?

--	--	--
 2. How many construction projects disturbing at least one acre were active in your jurisdiction during this reporting period?

--	--	--
 3. What percent of active construction sites were inspected during this reporting period? ☒ NT

--	--	--

 %
 4. What percent of active construction sites were inspected more than once? ☒ NT

--	--	--

 %
 5. Do all inspectors working on behalf of the MS4s contributing to this report use the NYS Construction Stormwater Inspection Manual? ☐ Yes ☐ No ☒ NT
 6. Does your MS4/Coalition provide public access to Stormwater Pollution Prevention Plans (SWPPPs) of construction projects that are subject to MS4 review and approval? ☐ Yes ☐ No ☒ NT
- If your MS4 is Non-Traditional, are SWPPPs of construction projects made available for public review? ☐ Yes ☐ No

If Yes, use the following page to identify location(s) where SWPPPs can be accessed.

MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9,

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If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

Name of MS4/Coalition

Niagara Falls Water Board

SPDES ID

N	Y	R	2	0	A	0	9	4
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7. Evaluating Progress Toward Measurable Goals MCM 4

Use this page to report on your progress and project plans toward achieving measurable goals identified in your Stormwater Management Program Plan (SWMPP), including requirements in Part III.C.1. Submit additional pages as needed.

A. Briefly summarize the Measurable Goal identified in the SWMPP in this reporting period.

Conduct SWPPP review for all permitted construction sites to ensure consistency with State and local erosion and sediment control requirements and NYS Design Standards.

B. Briefly summarize the observations that indicated the overall effectiveness of this Measurable Goal.

The Niagara Falls Water Board is a non-traditional MS-4 without legal authority for this MCM.

C. How many times was this observation measured or evaluated in this reporting period?

--	--	--	--

(ex.: samples/participants/events)

D. Has your MS4 made progress toward this measurable goal during this reporting period?

☐ Yes ☐ No

E. Is your MS4 on schedule to meet the deadline set forth in the SWMPP?

☐ Yes ☐ No

F. Briefly summarize the stormwater activities planned to meet the goals of this MCM during the next reporting cycle (including an implementation schedule).

The Niagara Falls Water Board is a non-traditional MS-4 without legal authority for this MCM.

MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9,

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If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

Name of MS4/Coalition

Niagara Falls Water Board

SPDES ID

N	Y	R	2	0	A	0	9	4
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7. Evaluating Progress Toward Measurable Goals MCM 4

Use this page to report on your progress and project plans toward achieving measurable goals identified in your Stormwater Management Program Plan (SWMPP), including requirements in Part III.C.1. Submit additional pages as needed.

A. Briefly summarize the Measurable Goal identified in the SWMPP in this reporting period.

Conduct inspections of permitted construction sites that discharge stormwater to the MS4 as often as needed to ensure compliance with GP-0-15-002 (or previous permits for projects approved prior to January 1, 2015).

Issue enforcement actions to owners/operators of construction sites that are not in compliance with GP-0-15-002 (or previous permits for projects approved prior to January 1, 2015).

B. Briefly summarize the observations that indicated the overall effectiveness of this Measurable Goal.

The Niagara Falls Water Board is a non-traditional MS-4 without legal authority for this MCM.

C. How many times was this observation measured or evaluated in this reporting period?

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(ex.: samples/participants/events)

D. Has your MS4 made progress toward this measurable goal during this reporting period?

☐ Yes ☐ No

E. Is your MS4 on schedule to meet the deadline set forth in the SWMPP?

☐ Yes ☐ No

F. Briefly summarize the stormwater activities planned to meet the goals of this MCM during the next reporting cycle (including an implementation schedule).

The Niagara Falls Water Board is a non-traditional MS-4 without legal authority for this MCM.

MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9,

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Name of MS4/Coalition

Niagara Falls Water Board

SPDES ID

N	Y	R	2	0	A	0	9	4
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7. Evaluating Progress Toward Measurable Goals MCM 4

Use this page to report on your progress and project plans toward achieving measurable goals identified in your Stormwater Management Program Plan (SWMPP), including requirements in Part III.C.1. Submit additional pages as needed.

A. Briefly summarize the Measurable Goal identified in the SWMPP in this reporting period.

Provide the public with an opportunity to review and comment on proposed design plans and construction projects.

B. Briefly summarize the observations that indicated the overall effectiveness of this Measurable Goal.

The Niagara Falls Water Board is a non-traditional MS-4 without legal authority for this MCM.

C. How many times was this observation measured or evaluated in this reporting period?

--	--	--	--

(ex.: samples/participants/events)

D. Has your MS4 made progress toward this measurable goal during this reporting period?

☐ Yes ☐ No

E. Is your MS4 on schedule to meet the deadline set forth in the SWMPP?

☐ Yes ☐ No

F. Briefly summarize the stormwater activities planned to meet the goals of this MCM during the next reporting cycle (including an implementation schedule).

The Niagara Falls Water Board is a non-traditional MS-4 without legal authority for this MCM.

If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

Niagara Falls Water Board

N	Y	R	2	0	A	0	9	4
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Minimum Control Measure 5. Post-Construction Stormwater Management

- On behalf of an individual MS4
- On behalf of a coalition

How many MS4s contributed to this report?	
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1. How many and what type of post-construction stormwater management practices has your MS4/Coalition inventoried, inspected and maintained in this reporting period?

	# Inventoried	# Inspections	# Times Maintained
<input type="radio"/> Alternative Practices	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="radio"/> Filter Systems	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="radio"/> Infiltration Basins	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="radio"/> Open Channels	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="radio"/> Ponds	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="radio"/> Wetlands	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="radio"/> Other	<input type="text"/>	<input type="text"/>	<input type="text"/>

2. Do you use an electronic tool (e.g. GIS, database, spreadsheet) to track post-construction BMPs, inspections and maintenance? ☐ Yes ☐ No

3. What types of non-structural practices have been used to implement Low Impact Development/Better Site Design/Green Infrastructure principles?

- ☐ Building Codes
- ☐ Overlay Districts
- ☐ Zoning
- ☐ None
- ☐ Watershed Plans
- ☐ Other:
- ☐ Municipal Comprehensive Plans
- ☐ Open Space Preservation Program
- ☐ Local Law or Ordinance
- ☐ Land Use Regulation/Zoning
- ☐ Other Comprehensive Plan

[illegible]

MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9,

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If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

Name of MS4/Coalition

Niagara Falls Water Board

SPDES ID

N	Y	R	2	0	A	0	9	4
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4a. Are the MS4s contributing to this report involved in a regional/watershed wide planning effort?

☐ Yes ☒ No

4b. Does the MS4 have a banking and credit system for stormwater management practices?

☐ Yes ☐ No

4c. Do the SWMP Plans for each MS4 contributing to this report include a protocol for evaluation and approval of banking and credit of alternative siting of a stormwater management practice?

☐ Yes ☐ No

4d. How many stormwater management practices have been implemented as part of this system in this reporting period?

--	--	--

5. What percent of municipal officials/MS4 staff responsible for program implementation attended training on Low Impace Development (LID), Better Site Design (BSD) and other Green Infrastructure principles in this reporting period?

--	--	--

 %

MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9,

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If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

Name of MS4/Coalition

Niagara Falls Water Board

SPDES ID

N	Y	R	2	0	A	0	9	4
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6. Evaluating Progress Toward Measurable Goals MCM 5

Use this page to report on your progress and project plans toward achieving measurable goals identified in your Stormwater Management Program Plan (SWMPP), including requirements in Part III.C.1. Submit additional pages as needed.

A. Briefly summarize the Measurable Goal identified in the SWMPP in this reporting period.

Develop an inventory and inspection program for post-construction stormwater management practices.

B. Briefly summarize the observations that indicated the overall effectiveness of this Measurable Goal.

The Niagara Falls Water Board is a non-traditional MS-4 without legal authority for this MCM.

C. How many times was this observation measured or evaluated in this reporting period?

--	--	--	--	--

(ex.: samples/participants/events)

D. Has your MS4 made progress toward this measurable goal during this reporting period?
☐ Yes ☐ No
E. Is your MS4 on schedule to meet the deadline set forth in the SWMPP?
☐ Yes ☐ No
F. Briefly summarize the stormwater activities planned to meet the goals of this MCM during the next reporting cycle (including an implementation schedule).

The Niagara Falls Water Board is a non-traditional MS-4 without legal authority for this MCM.

MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9,

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If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

Name of MS4/Coalition

Niagara Falls Water Board

SPDES ID6

N	Y	R	2	0	A	0	9	4
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6. Evaluating Progress Toward Measurable Goals MCM 5

Use this page to report on your progress and project plans toward achieving measurable goals identified in your Stormwater Management Program Plan (SWMPP), including requirements in Part III.C.1. Submit additional pages as needed.

A. Briefly summarize the Measurable Goal identified in the SWMPP in this reporting period.

Conduct maintenance on post-construction stormwater management practices as needed.

B. Briefly summarize the observations that indicated the overall effectiveness of this Measurable Goal.

The Niagara Falls Water Board is a non-traditional MS-4 without legal authority for this MCM.

C. How many times was this observation measured or evaluated in this reporting period?

--	--	--	--

(ex.: samples/participants/events)

D. Has your MS4 made progress toward this measurable goal during this reporting period?

☐ Yes ☐ No

E. Is your MS4 on schedule to meet the deadline set forth in the SWMPP?

☐ Yes ☐ No

F. Briefly summarize the stormwater activities planned to meet the goals of this MCM during the next reporting cycle (including an implementation schedule).

The Niagara Falls Water Board is a non-traditional MS-4 without legal authority for this MCM.

MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9,

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If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

Name of MS4/Coalition

Niagara Falls Water Board

SPDES ID

N	Y	R	2	0	A	0	9	4
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Minimum Control Measure 6. Stormwater Management for Municipal Operations

The information in this section is being reported (check one):

- ☒ On behalf of an individual MS4
☐ On behalf of a coalition

How many MS4s contributed to this report?

--	--	--

1. Choose/list each municipal operation/facility that contributes or may potentially contribute Pollutants of Concern to the MS4 system. For each operation/facility indicate whether the operation/facility has been addressed in the MS4's/Coalition's Stormwater Management Program(SWMP) Plan and whether a self-assessment has been performed during the reporting period. A self-assessment is performed to: 1) determine the sources of pollutants potentially generated by the permittee's operations and facilities; 2) evaluate the effectiveness of existing programs and 3) identify the municipal operations and facilities that will be addressed by the pollution prevention and good housekeeping program, if it's not done already.

<u>Operation/Activity/Facility</u>	<u>Addressed in SWMP?</u>	<u>Self-Assessment Operation/Activity/Facility performed within the past 3 years?</u>
Street Maintenance.....	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No
Bridge Maintenance.....	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No
Winter Road Maintenance.....	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No
Salt Storage.....	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No
Solid Waste Management.....	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No
New Municipal Construction and Land Disturbance..	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No
Right of Way Maintenance.....	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No
Marine Operations.....	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No
Hydrologic Habitat Modification.....	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No
Parks and Open Space.....	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No
Municipal Building.....	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
Stormwater System Maintenance.....	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
Vehicle and Fleet Maintenance.....	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
Other.....	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No

MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9,

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If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

Name of MS4/Coalition

Niagara Falls Water Board

SPDES ID

N	Y	R	2	0	A	0	9	4
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2. Provide the following information about municipal operations good housekeeping programs:

- ☐ Parking Lots Swept (Number of acres X Number of times swept) # Acres

--	--	--	--	--
- ☐ Streets Swept (Number of miles X Number of times swept) # Miles

--	--	--	--	--
- ☒ Catch Basins Inspected and Cleaned Where Necessary #

	1	6	5	9
--	---	---	---	---
- ☐ Post Construction Control Stormwater Management Practices Inspected and Cleaned Where Necessary #

--	--	--	--	--
- ☐ Phosphorus Applied In Chemical Fertilizer # Lbs.

--	--	--	--	--
- ☐ Nitrogen Applied In Chemical Fertilizer # Lbs.

--	--	--	--	--
- ☐ Pesticide/Herbicide Applied (Number of acres to which pesticide/herbicide was applied X Number of times applied to the nearest tenth.) # Acres

					.	
--	--	--	--	--	---	--

3. How many stormwater management trainings have been provided to municipal employees during this reporting period?

			1	1
--	--	--	---	---

4. What was the date of the last training?

0	2
---	---

 /

0	7
---	---

 /

2	0	1	9
---	---	---	---

5. How many municipal employees have been trained in this reporting period?

		5
--	--	---

6. What percent of municipal employees in relevant positions and departments receive stormwater management training?

		4
--	--	---

 %

MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9,

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Name of MS4/Coalition

Niagara Falls Water Board

SPDES ID

N	Y	R	2	0	A	0	9	4
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7. Evaluating Progress Toward Measurable Goals MCM 6

Use this page to report on your progress and project plans toward achieving measurable goals identified in your Stormwater Management Program Plan (SWMPP), including requirements in Part III.C.1. Submit additional pages as needed.

A. Briefly summarize the Measurable Goal identified in the SWMPP in this reporting period.

Inspect catch basins and clean as needed.

B. Briefly summarize the observations that indicated the overall effectiveness of this Measurable Goal.

In 2018, there were 1659 catch basins cleaned and inspected (707 storm, 952 combined sewers).

C. How many times was this observation measured or evaluated in this reporting period?

1	6	5	9
---	---	---	---

(ex.: samples/participants/events)

D. Has your MS4 made progress toward this measurable goal during this reporting period?

☒ Yes ☐ No

E. Is your MS4 on schedule to meet the deadline set forth in the SWMPP?

☒ Yes ☐ No

F. Briefly summarize the stormwater activities planned to meet the goals of this MCM during the next reporting cycle (including an implementation schedule).

Continue to inspect catch basins and clean as needed.

MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9,

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If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

Name of MS4/Coalition

Niagara Falls Water Board

SPDES ID

N	Y	R	2	0	A	0	9	4
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7. Evaluating Progress Toward Measurable Goals MCM 6

Use this page to report on your progress and project plans toward achieving measurable goals identified in your Stormwater Management Program Plan (SWMPP), including requirements in Part III.C.1. Submit additional pages as needed.

A. Briefly summarize the Measurable Goal identified in the SWMPP in this reporting period.

Conduct Storm sewer pipe cleaning.

B. Briefly summarize the observations that indicated the overall effectiveness of this Measurable Goal.

In 2018, there were 19.6 miles of combined sewer pipe and 5.2 miles of storm sewer pipe cleaned.

C. How many times was this observation measured or evaluated in this reporting period?

27,456

--	--	--	--	--

(ex.: samples/participants/events)

D. Has your MS4 made progress toward this measurable goal during this reporting period?

☒ Yes ☐ No

E. Is your MS4 on schedule to meet the deadline set forth in the SWMPP?

☒ Yes ☐ No

F. Briefly summarize the stormwater activities planned to meet the goals of this MCM during the next reporting cycle (including an implementation schedule).

Continue to clean storm sewer pipes on a prioritized basis.

MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9,

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Name of MS4/Coalition

Niagara Falls Water Board

SPDES ID

N	Y	R	2	0	A	0	9	4
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7. Evaluating Progress Toward Measurable Goals MCM 6

Use this page to report on your progress and project plans toward achieving measurable goals identified in your Stormwater Management Program Plan (SWMPP), including requirements in Part III.C.1. Submit additional pages as needed.

A. Briefly summarize the Measurable Goal identified in the SWMPP in this reporting period.

Create an inventory of operations/activities/facilities that are subject to environmental assessment requirement.

Conduct environmental assessment of each operation/activity/facility every three years.

B. Briefly summarize the observations that indicated the overall effectiveness of this Measurable Goal.

There were 3 environmental assessments performed during this reporting period at the water treatment plant (WTP), wastewater treatment plant (WWTP) and the WWTP garage.

C. How many times was this observation measured or evaluated in this reporting period?

			3
--	--	--	---

(ex.: samples/participants/events)

D. Has your MS4 made progress toward this Measurable Goal during this reporting period?

☒ Yes ☐ No

E. Is your MS4 on schedule to meet the deadline set forth in the SWMPP?

☒ Yes ☐ No

F. Briefly summarize the stormwater activities planned to meet the goals of this MCM during the next reporting cycle (including an implementation schedule).

Conduct environmental assessment of each operation/activity/facility every three years.

MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9,

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Name of MS4/Coalition

Niagara Falls Water Board

SPDES ID

N	Y	R	2	0	A	0	9	4
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Additional Watershed Improvement Strategy Best Management Practices

N/A

The information in this section is being reported (check one):

- ☐ On behalf of an individual MS4
☐ On behalf of a coalition

How many MS4s contributed to this report?

--	--	--

MS4s must answer the questions or check NA as indicated in the table below.

MS4 Description	Answer	Check NA	(POC)
NYC EOH Watershed	-	-	-
Traditional Land Use	1,2,3,4,5,6,7a-d,8a,8b,9	10,11,12	Phosphorus
Traditional Non-Land Use	1,2,3,4,7a-d,8a,8b,9	5,10,11,12	Phosphorus
Non-Traditional	1,2,77a-d,8a,8b,9	3,4,5,10,11,12	Phosphorus
Onondaga Lake Watershed	-	-	-
Traditional Land Use	1,6,7a-d,8a,9	2,3,4,5,8b,10,11,12	Phosphorus
Traditional Non-Land Use	1,6,7a-d,8a,9	2,3,4,5,8b,10,11,12	Phosphorus
Non-Traditional	1,6,7a-d,8a,9	2,3,4,5,8b,10,11,12	Phosphorus
Greenwood Lake Watershed	-	-	-
Traditional Land Use	1,4,6,7a-d,8a,9	2,3,5,8b,10,11,12	Phosphorus
Traditional Non-Land Use	1,4,6,7a-d,8a,9	2,3,5,8b,10,11,12	Phosphorus
Non-Traditional	1,4,6,7a-d,8a,9	2,3,5,8b,10,11,12	Phosphorus
Oyster Bay	-	-	-
Traditional Land Use	1,4,7a-d,9,10,11,12	2,3,5,6,8a,8b	Pathogens
Traditional Non-Land Use	1,4,7a-d,9,10,11,12	2,3,5,6,8a,8b	Pathogens
Non-Traditional	1,4,7a-d,9	2,3,4,5,8a,8b,10,11,12	Pathogens
Peconic Estuary	-	-	-
Traditional Land Use	1,4,7a-d,8a,9,10,11,12	2,3,5,6,8b	Pathogens and Nitrogen
Traditional Non-Land Use	1,4,7a-d,8a,9,10,11,12	2,3,5,6,8b	Pathogens and Nitrogen
Non-Traditional	1,4,7a-d,8a,9	2,3,4,5,8b,10,11,12	Pathogens and Nitrogen
Oscawana Lake Watershed	-	-	-
Traditional Land Use	1,4,6,7a-d,8a,9	2,3,5,8b,10,11,12	Phosphorus
Traditional Non-Land Use	1,4,6,7a-d,8a,9	2,3,5,8b,10,11,12	Phosphorus
Non-Traditional	1,4,6,7a-d,8a,9	2,3,5,8b,10,11,12	Phosphorus
LI 27 Embayments	-	-	-
Traditional Land Use	1,2,3,4,7a-d,9,10,11,12	5,6,8a,8b	Pathogens
Traditional Non-Land Use	1,2,3,4,7a-d,9,10,11,12	5,6,8a,8b	Pathogens
Non-Traditional	1,2,3,4,7a-d,9	5,6,8a,8b,10,11,12	Pathogens

1. Does your MS4/Coalition have an education program addressing impacts of phosphorus/nitrogen/pathogens on waterbodies? ☐ Yes ☐ No ☒ N/A

2. Has 100% of the MS4/Coalition conveyance system been mapped in GIS? ☐ Yes ☐ No ☒ N/A

If N/A, go to question 3.

If No, estimate what percentage of the conveyance system has been mapped so far.

--	--	--

 %

Estimate what percentage was mapped in this reporting period.

--	--	--

 %

MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9,

2	0	1	9
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If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

Name of MS4/Coalition

Niagara Falls Water Board

SPDES ID

N	Y	R	2	0	A	0	9	4
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3. Does your MS4/Coalition have a Stormwater Conveyance System (infrastructure) Inspection and Maintenance Plan Program? ☐ Yes ☐ No ☒ N/A

4. Estimate the percentage of on-site wastewater treatment systems that have been inspected and maintained or rehabilitated as necessary in this reporting period?

--	--	--

 %

5. Has your MS4/Coalition developed a program that provides protection equivalent to the NYSDEC SPDES General Permit for Stormwater Discharges from Construction Activities (GP-0-08-001) to reduce pollutants in stormwater runoff from construction activities that disturb five thousand square feet or more? ☐ Yes ☐ No ☒ N/A

6. Has your MS4/Coalition developed a program to address post-construction stormwater runoff from new development and redevelopment projects that disturb greater than or equal to one acre that provides equivalent protection to the NYS DEC SPDES General Permit for Stormwater Discharges from Construction Activities (GP-0-08-001), including the New York State Stormwater Design Manual Enhanced Phosphorus Removal Standards? ☐ Yes ☐ No ☒ N/A

7a. Does your MS4/Coalition have a retrofitting program to reduce erosion or phosphorus/nitrogen/pathogen loading? ☐ Yes ☐ No ☒ N/A

7b. How many projects have been sited in this reporting period?

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7c. What percent of the projects included in 7b have been completed in this reporting period?

--	--	--

 %

7d. What percent of projects planned in previous years have been completed?

--	--	--

 %

☐ No Projects Planned

8a. Has your MS4/Coalition developed and implemented a turf management practices and procedures policy that addresses proper fertilizer application on municipally owned lands? ☐ Yes ☐ No ☒ N/A

8b. Has your MS4/Coalition developed and implemented a turf management practices and procedures policy that addresses proper disposal of grass clippings and leaves from municipally owned lands? ☐ Yes ☐ No ☒ N/A

MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9,

2	0	1	9
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If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

Name of MS4/Coalition

Niagara Falls Water Board

SPDES ID

N	Y	R	2	0	A	0	9	4
---	---	---	---	---	---	---	---	---

9. Has your MS4/Coalition developed and implemented a program of native planting?

☐ Yes ☐ No ☒ N/A

10. Has your MS4/Coalition enacted a local law prohibiting pet waste on municipal properties and prohibiting goose feeding?

☐ Yes ☐ No ☒ N/A

11. Does your MS4/Coalition have a pet waste bag program?

☐ Yes ☐ No ☒ N/A

12. Does your MS4/Coalition have a program to manage goose populations?

☐ Yes ☐ No ☒ N/A

Niagara Falls Water Board
Position Description

Human Resources Staff Coordinator

DISTINGUISHING FEATURES OF THE CLASS:

The Human Resource Staff Coordinator, reporting to the Director of Administrative Services, performs work as assigned to help achieve the organization's tactical and strategic goals. These duties will include maintenance of the Minority and Women owned Business programs, as well as Service Disabled Veteran Business, follow up on training assessments, and providing an assortment of reports required by the State and Federal Government. Due to the unique nature of this position, a special and confidential staff relationship is maintained by this position with all.

TYPICAL WORK ACTIVITIES (ILLUSTRATIVE ONLY)

Work on special projects as assigned to align NFWB business strategy with Human Resources efforts. Become familiar with existing and revised laws, rules, regulations and policies governing the programs and help to assure that NFWB comply with them;
Maintain communications with other state agencies and authorities relative to EEO, MWBE, SDVOB, and required trainings;
Market NFWB MWBE opportunities and answer all emails, calls and inquirers regarding MWBE;
Conduct field work to promote recruitment of minority candidates and businesses;
Assists department managers, supervisors and other NFWB employees in understanding their responsibilities in the area of equal employment, employee relations and MWBE/SDVOB;
Prepares and submits reports as needed or required;
Effectively communicate with all levels of employees at NFWB and act as a liaison with the federal and state agencies as may be necessary to meet established compliance standards and to keep current;
May perform other incidental tasks as needed

FULL PERFORMANCE KNOWLEDGE, SKILLS, AND ABILITIES AND PERSONAL CHARACTERISTICS:

The selected candidate must possess strong analytical and computer skills, including proficiency using Microsoft Word, Excel and access queries and reports. The qualified candidate will also possess excellent verbal and written communication skills and strong client service ethics. Keen interpersonal skills and the ability to collaborate with internal and external stakeholders at various organizational levels.

MINIMUM REQUIREMENTS

A Bachelor's Degree or the minimum of five years of paid work in the areas described above is required as a minimum.

Niagara Falls Water Board
Personnel Actions and Report
Monday, May 2, 2019

Recommended Moves by the Director of Administrative Services

I. PERSONNEL ACTIONS RECOMMEND TO HIRE				
Line Item Number	Position	Department/Location	Pay Rate or Grade	ADDITIONAL INFORMATION
1.1	Instrument Tech	WTP/WWTP	\$20.91/hr	To fill a vacated position
1.2	CDT- Trainee	WWTP	\$15.47/hr	To fill a vacated position
1.3	Administrative Staffperson	WTP/WWTP	\$21.65	New Position

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

IV. BOARD NOTIFICATION OF OTHER MOVEMENT (CBA BID, MCSB APPOINTMENT, LEGAL STATUS CHANGE)				
Name	Position & type of labor move	Department/Location	Pay Rate or Grade	ADDITIONAL INFORMATION / AUTHORITY

V. OTHER ACTIVITY OTHER PERSONNEL ACTIVITY FOR BOARD NOTIFICATION				
V.1.	Joe LeBrasseur	Information Tech	Grade 3	Employee resignation effective 05/10/19
V.2.	Asen Whisnant	CDT Trainee (MW2)	Grade 9-B	Employee resignation effective 05/18/19



NIAGARA FALLS WATER BOARD

Financial Projections and User Rates



DECEMBER 10, 2018

Projection of cash flows and rates

Line		2018	2019	2020	2021	2022
	Revenues					
1	Operating revenues	30,930,211	31,629,512	33,132,488	33,784,737	34,450,032
2	Total	30,930,211	31,629,512	33,132,488	33,784,737	34,450,032
	Operations and Maintenance Expenses					
3	Salaries and benefits	11,784,754	12,366,580	12,738,250	13,122,327	13,519,257
4	Chemicals/sludge	4,383,484	4,318,403	4,086,738	4,174,771	4,264,564
5	Insurance/safety	489,163	481,901	456,049	465,873	475,893
6	Maintenance	1,218,325	1,200,236	1,135,849	1,160,316	1,185,273
7	Utilities	1,263,246	1,244,490	1,177,729	1,203,098	1,228,975
8	Other expenses	1,541,041	1,518,161	1,436,718	1,467,666	1,499,234
9	Authority/Board expenses	849,420	836,809	791,918	808,976	826,376
10	PILOT payment to City	700,000	700,000	700,000	700,000	700,000
11	Total	22,229,432	22,666,580	22,523,250	23,103,027	23,699,571
12	Revenues available for debt service	8,700,779	8,962,932	10,609,238	10,681,711	10,750,461
	Debt Service					
13	Debt service on outstanding bonds	7,401,817	7,187,360	7,363,716	7,021,537	7,369,642
14	Debt service on future Authority bonds	-	240,000	1,470,000	1,480,000	1,480,000
15	Total	7,401,817	7,427,360	8,833,716	8,501,537	8,849,642
16	Surplus (line 12 - line 15)	1,298,962	1,535,572	1,775,522	2,180,174	1,900,819
17	Debt Service Coverage (minimum 1.15)	1.18	1.21	1.20	1.26	1.21
18	Proposed Rate Increase	2.4%	2.0%	5.0%	2.0%	2.0%

NIAGARA FALLS WATER BOARD RESOLUTION # 2019-05-001

**FUNDS FOR AECOM TO COMPLETE
BIOLOGICAL TREATABILITY TESTING
AND CHEMICAL OPTIMIZATION STUDIES**

WHEREAS, the Niagara Falls Water Board (“Water Board”) pursuant to NYS Department of Environmental Conservation Consent Order R9-20170906-129 agreed as Consent Order Item 11 to evaluate alternative treatment technologies for the Wastewater Treatment Plant (“WWTP”), including utilization of biological treatment processes, and pursuant to Consent Order Items 6, 7, and 10 to study optimization of the existing WWTP; and

WHEREAS, pursuant to Resolution 2019-04-007, the Water Board provided AECOM with funds to complete the Consent Order Item 11 alternative treatment technology study; and

WHEREAS, AECOM’s April 12, 2019 proposal also requests an additional \$178,744 to complete its work on Consent Order Items 6, 7, and 10;

NOW THEREFORE BE IT

RESOLVED, that the Niagara Falls Water Board be and is hereby authorized to pay to AECOM \$178,744 to complete the scope of work related to Consent Order items 6, 7, and 10 that is described in AECOM’s April 12, 2019 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:

On May 20, 2019, 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 Forster	[]	[]	[]	[]
Board Member Kimble	[]	[]	[]	[]
Board Member Larkin	[]	[]	[]	[]
Board Member Leffler	[]	[]	[]	[]
Chairman O’Callaghan	[]	[]	[]	[]

Signed By:

Vote Witnessed By:

Daniel T. O’Callaghan, Chairperson

Sean W. Costello, Secretary to the Board



April 12, 2019

Mr. Patrick Fama, Executive Director
Niagara Falls Water Board
5815 Buffalo Avenue
Niagara Falls, NY 14304

**Re: Proposal for Consent Order: Item 11 (Biological Treatability Testing) and
Items 6, 7, 10 Chemical Optimization of Existing WWTP**

Dear Mr. Fama:

AECOM USA, Inc. (AECOM) is pleased to submit this proposal to the Niagara Falls Water Board (NFWB) for continuing engineering assistance related to the Niagara Falls Water Board Wastewater Treatment Plant (WWTP) Consent Order R9-20170906-129 (CO). These services are a continuation of AECOM's work related to the incident of July 29, 2017 and the resulting Consent Order; and pertain to the ongoing biological treatability testing associated with the alternative WWTP evaluation (CO Item 11) and CO Items 6, 7, 10, the optimization of the existing wastewater treatment plant.

As I mentioned to you in an email dated March 26, 2019, it will be necessary for AECOM to request additional funds for our ongoing work related to operation of the biological treatability studies (CO Item 11) and WWTP optimization studies (CO Items 6, 7, and 10). These two efforts have thus far been conducted under two separate prior NFWB Board authorizations. Prior authorizations were put in place to meet and discuss work scope with the NYSDEC, perform necessary up-front engineering, and to develop work plans. Specific caveats and exclusions were stated in prior proposals. Each of the two work areas is discussed separately below along with justification for the projected expenditures.

CO Item 11 Alternative Treatment Technology Evaluation (Biological Treatability Work)

The CO Item 11 Treatability Studies are being performed in accordance with AECOM's March 6, 2018 scope (Document provided in 3/26/19 email: AECOM Consent Order Services 3 16 18 COMPLETE.PDF). The proposal included \$310,000 for CO Item 11 and \$185,000 for CO Item 14 (Alternative Outfall Evaluation). At this point the Alternative Outfall study (CO Item 14) is done and completed at budget. Regarding the CO Item 11 proposal, assumptions that were included in our proposal were as follows:

1. Two sub consultants were included, Suez Water Technologies (\$100,000) and Test America (\$20,000). Others were not included because they could not be estimated at the time the proposal was prepared.
2. Labor for operation and maintenance of the pilot scale equipment was excluded, i.e. the day-to-day operation and monitoring of the treatability systems because it was premature as the experimental design /test protocols had not yet been developed.

Please keep in mind that this proposal was written in March 2018 at a time when the NYSDEC was pressuring the NFWB to submit a proposal to take advantage of the promised \$500,000 K grant money for performing CO Item 11 (Alternative Treatment Technology Evaluation) and CO Item 14 (Alternative Outfalls) studies. The treatability plant operation started on November 6, 2018 and has been running for a little over 5 months. Prior to that significant effort was required to develop work plans, design and construct systems, procure equipment and supplies, and establish subcontracts with four (4) vendors

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257 West Genesee Street
Suite 400
Buffalo, NY 14202-2657
aecom.com



Mr. Patrick Fama
April 12, 2019

Page 2

(World Water Works, Suez Environmental, Test America, and Pine Environmental). The start-up of the two (2) pilot plants was delayed due to the formalization of the \$500,000 NYSDEC grant, and execution of a contract between AECOM and the NFWB. As a result we were not able to capture “warm weather” operating data, but we did successfully capture the cold winter months which will likely set the “design basis” for the system due to the low temperature biological kinetics. AECOM does however feel strongly that we should also collect warm weather data to be as complete as possible. AECOM would like to continue to operate the treatment plants through July 15, 2019.

To this point, AECOM has staffed the treatability studies internally. We found we could do it cheaper than teaming with SUNY Buffalo. Jeff Tudini (AECOM) has designed the experimental set up and is responsible for overall O&M of the system. He has been assisted by Megan Kuczka and Ryan Delamere (both also with AECOM). We are on-site 7 days a week operating and maintaining the system along with collecting extensive data 5 days per week. Although there was never a formal work plan submission to the NYSDEC for the treatability testing, the attached document describes the testing protocols we are following (Document provided in 3/26/19 email: NFWB Biological Pilot Test Protocol_2018_10_15.PDF). The protocol should be considered a guide as it has evolved considerably since it was written. Generally, testing consists of the following tests run on BOTH the MBR and MBBR treatment plant’s influent and effluent (i.e. times 4):

Routine Pilot Plant Analytical Testing

Testing Location	Frequency	Parameters
Onsite (AECOM Staff)	5 days/week (M-F)	Total COD, soluble COD, O-P, TSS, Turbidity
	3 days/week (Tues-Thus)	NH ₃ , NO ₃ , NO ₂ , TKN, S ² , VSS
	2 days/week (M/F)	Pilot effluent’s Cl demand Full-scale primary effluent – total COD, soluble COD, TSS
Test America	2 days/week (Tues/Thurs)	“Standard Parameters”: O-P, TP, NH ₃ , NO ₃ , NO ₂ , TKN (total and soluble), Alkalinity, total BOD, soluble BOD
	1 time/month (first week of each month)	Industrial permit effluent parameters (i.e., Phenols, Hg, BHCs, etc.)

Where possible, we are using the NFWB WWTP lab for some analyses including bacterial testing and split sampling for BHCs.

AECOM has also invested a considerable amount of money in equipment, pumps, and supplies. Supplies to date, to construct the facilities has amounted to \$36,277 and includes about \$8,000 in testing equipment to enable us to run the analyses identified above on-site (Hach COD block heater, HACH Spectrophotometer, DO probe, etc.). This equipment ultimately saved significant money on analytical testing costs. All materials, equipment, and remaining supplies purchased as part of this project will be turned over to the NFWB upon completion of the work.



Mr. Patrick Fama

April 12, 2019

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Ongoing recurring costs also are significant for equipment rental, consumables, and test equipment rental. We also have equipment rental costs for both the MBR (Suez Environmental) and MBBR (World Water Works) pilot scale biological reactors. We have utilized Pine Environmental for equipment rental (composite samplers, DO, ORP, turbidity monitoring equipment, etc.). Our approximate rate of expenditure for other direct costs (lab testing, rental costs, consumables) is about \$21,300 per month, broken down as follows (does not include 5% markup):

Recurring Monthly Other Direct Costs

Test America	Samples/week	Monthly Total	Unit Cost	Monthly Cost
Standard parameters	2	8	\$876	\$7,008
Industrial parameters		1	\$1,250	\$1,250
Rental Equip. (Pine Environmental)	No.		Monthly Unit Cost	Monthly Cost
Composite Sampler	2		\$269.12	\$538.24
Turbidity Meter	1		\$143.84	\$143.84
TYSI Multi meter	1		\$537.44	\$537.44
Pilot Units	No.		Monthly Unit Cost	Monthly Cost
Suez*	1		\$8,000	\$8,000
World Water Works	1		\$3,000	\$3,000
Consumables				
HACH tests, TSS and 0.45 filters, gloves, etc.				\$800
Total Monthly ODC				\$21,278

* After 6 months the Suez rental decreases to \$6,000/month

Please note, we have also recently added additional testing of the primary effluent as a means of characterizing what our blended effluent will be when we have wet weather (100 foot weir flow) blended effluent discharges from the biological treatment facility. This testing is necessary as part of the alternative treatment plant evaluation.

Amounts expended to date on the biological treatability studies and the projected rate of expenditure to complete the project is included in Table1. Based on operational experience to date, AECOM is expending \$37,500 per month on labor to operate the equipment (approximately 80 man hours per week). In addition to 4 months of operation, AECOM will have the following estimated labor costs to complete the project:



Mr. Patrick Fama

April 12, 2019

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Demobilization \$ 6,351

Report Preparation \$ 110,000

Including a contingency of \$10,000 into the project cost, the balance to finish (as of March 22, 2019, when Table 1 was prepared) will be \$369,155. Recognizing that as of March 22, 2019 we are \$2,691 in arrears, AECOM is requesting \$371,847 in funds to complete the biological treatability studies and prepare the report for the NYSDEC.

The amount above for report preparation is a preliminary estimate at this time, considering it is a preliminary design of a “nine-figure” wastewater treatment plant along with development of planning level cost estimates.

Because the potential cost of a full scale biological treatment facility will be very high AECOM believes that this expenditure while significant, represents a wise investment. Also keep in mind that up until now the full cost of this effort was paid for under the NYSDEC’s \$500,000 grant.

Items 6, 7, 10 Chemical Optimization of Existing WWTP

Consent Order Items 6, 7, and 10 were addressed in a work plan submitted to the NYSDEC on September 19, 2018 and approved in January 2019 (Document provided in 3/26/19 email: NFWB CO Item 6 7 10 Work Plan 2018-09-19.PDF). AECOM’s scope related to this work was included in our “Continuing Consent Order Services” proposal dated October 12, 2018 (Included in, and a part of document provided in 3/26/19 email: Executed Continuing CO Services Agreement 1 23 19.PDF, and NYSDEC approval is contained in document provided in 3/26/19 email: 2019-1-9 NFWB Order Items 6-7-9-10Conditional Approval Letter.PDF). The scope included in the prior proposal was for planning, discussions with the NYSDEC, work plan preparation, etc. and did not include execution of the work plan as approved by the NYSDEC. The amount of testing that was included in the work plans was not considered in AECOM’s proposal. Much of this testing will be by subcontractors but will also include a number of onsite tests. We have already identified approximately \$30,000 in contract analytical testing with Brooks Applied Labs and Test America. The work with Brooks is very specialized and involves iron speciation (Fe^{+2} vs Fe^{+3}) testing.

Please keep in mind, that there will likely be a need to construct temporary facilities such as chemical storage tanks, feed pumps, etc. as part of this effort that is also not included in this effort. Potentially all efforts done under this item are reimbursable under the DEC’s \$20 million grant capital funding as they were included in the capital projects listing as Project 6. There are a couple other things to note:

- In addition to all of the above, we continue to assist the plant with running jar tests of sedimentation basins, dewatering, chlorine demand testing, etc.... as the need arises and to help with process operation.
- We are using NFWB staff to the extent that they are able to assist (lab analysis) but we do not see any areas where we can make further use of NFWB staff to assist in these studies.

At this time, our best estimate for the work to be done under this effort is presented in Table 2. AECOM estimates that \$178,744 will be necessary to carry out the testing identified in the Item 6, 7, 10



Mr. Patrick Fama

April 12, 2019

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work plan as approved by the NYSDEC. Included in the above amount is a \$15,000 contingency to manage unforeseen circumstances. If AECOM is successful in significantly reducing the amount of sulfide generated in the existing WWTP, the chemical savings in the first year of operation will more than pay for the costs of this effort!

Conclusion

As you know AECOM has been very busy working for and on the behalf of the NFWB. We value our relationship and the trust you have put in us to do the right thing for the NFWB. The improvements that have been made to date at the WWTP are truly remarkable. Finishing up these two studies are critical towards developing a plan for the future of the NFWB WWTP, be it an alternative treatment facility, or optimization of the existing facility.

The required funding request is as follows:

CO Item 11 Alternative Treatment Plant (Biological Treatability Testing)	\$371,847
CO Item 6, 7, 10 Optimize Existing WWTP per Approved Work Plan	\$178,744
TOTAL	\$550,591

Personnel anticipated to work on this project and current direct labor rates are listed below:

• John Goeddert, Ph.D. Sr. Project Manager	\$72
• Tom McPherson, P.E. Project Principal	\$77
• Jeff Tudini, Senior Project Engineer	\$54
• Ryan Delamere, Project Engineer	\$29
• Jordan Radomski, Project Engineer	\$23
• Casey Blumberg, Project Engineer	\$23
• CAD Operators (Approximate. Rate may vary depending upon personnel availability.)	\$25-30

Personnel not listed above may be used depending upon their expertise and availability. All project billings will identify the individual working on the project, their title, billing rate, and hours worked listed by week ending date. The following assumptions were made when preparing this proposal:

1. Labor – Direct salary times a 2.6 labor multiplier.
2. Other Direct Costs: Cost plus 5% (includes mileage at the IRS rate, blueprints, photocopying, etc.)
3. Subcontractors: Cost plus 5%.
4. Detailed design (i.e. preparation of contract documents suitable for competitive bidding) is NOT included in AECOM's scope of services.

However, assistance with scoping and equipment selection for activities undertaken by maintenance staff or IDIQ contractors (Mollenberg Betz, Ferguson) will be included as we have done with a number of other in-house upgrades. For portions of this work that require a detailed design to be prepared by others, AECOM will contribute and assist as necessary to ensure that activities are consistent with the best interests of the NFWB and its long term operation of the WWTP.



Mr. Patrick Fama

April 12, 2019

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5. AECOM has included mileage costs in our other direct costs. Mileage will be billed at the current IRS rate.
6. No subcontractor services are anticipated under this project other than analytical testing.

The NFWB may approach the NYSDEC about potentially funding this effort from capital projects or possibly additional grant funding.

Thank you for your continued trust in AECOM to help shape the future of the NFWB's WWTP. If you have any questions as you review this proposal please feel free to contact AECOM.

Sincerely,

AECOM USA, Inc.

John G. Goeddertz, Ph.D.
Project Manager

Thomas M. McPherson, P.E., VP
Project Principal

ATTACHMENTS:

- Table 1 NFWB Alternative Treatment Plant Biological Treatability Studies and Report Expenditures to Date (3/22/19) and Estimate to Complete
- Table 2 Consent Order Item 6, 7, 10 Phys/Chem Plant Optimization Testing Budget Estimate

REFERENCED DOCUMENTS (Provided in 3/26/19 email Goeddertz to Fama)

- AECOM Consent Order Services 3 16 18 COMPLETE.PDF
- NFWB Biological Pilot Test Protocol_2018_10_15.PDF
- NFWB CO Item 6 7 10 Work Plan 2018-09-19.PDF
- Executed Continuing CO Services Agreement 1 23 19.PDF
- 2019-1-9 NFWB Order Items 6-7-9-10 Conditional Approval Letter.PDF

Table 1

NFWB Alternative Treatment Plant Biological Treatability Studies and Report

Expenditures to Date (3/22/19) and Estimate to Complete

Total June 22, 2018 - March 22, 2019			Pilot Operation November 6, 2018 - March 22, 2019		
9 months			4.4 Months		
LABOR			LABOR		
Person	Hours	Billable	Person	Hours	Billable
Blumberg	0		Blumberg	0	0
Delamere	340.5	\$ 27,878	Delamere	340.5	\$ 27,878
Gehan	-2	\$ (148)	Gehan		
Goeddertz	20	\$ 4,165	Goeddertz		
Kuczka	450.25	\$ 27,029	Kuczka	444.75	\$ 26,708
Lyman-Pedro	0	\$ -	Lyman-Pedro		
McGovern	0	\$ -	McGovern		
Moeller	0	\$ 0	Moeller		
Orwat	4	\$ 265	Orwat		
Tudini	1090	\$ 163,292	Tudini	731	\$ 110,127
TOTAL	1904.75	\$ 222,629	TOTAL	1516	\$ 164,713
OTHER DIRECT COSTS	Cost		Total/Month	345	\$ 37,435
Misc Supplies - Danielle	\$ 26,331.38	Initial Equipment Purchases Initial Equipment Purchases One Time One Time Initial Equipment Purchases Ongoing Ongoing Ongoing Ongoing			
Misc Supplies - Jeff	\$ 8,975.32				
Misc Supplies - Megan	\$ 12.65				
Misc Supplies - John	\$ 65.84				
Misc Supplies - Grainger	\$ 893.13				
Pine Env.	\$ 6,395.11				
Test America	\$ 22,338.00				
World Water Works	\$ 20,762.50				
Mileage - Jeff	\$ 177.44				
Sub-Total	\$ 85,773.93				
Markup 5%	\$ 4,288.70				
TOTAL	\$ 90,062.63				
Total Spent to Date (3/22/19): \$ 312,691.35 Labor and Other Direct Costs					

Projected Amount to Finish Project (After March 22, 2019)

4 months operation of Pilot Plant March 22, 2019 - July 15, 2019

	Cost/month	Cost to Finish
Labor	\$ 38,000	\$ 152,000
Supplies - Test America	\$ 8,300	\$ 33,200
Supplies - Consumables	\$ 1,000	\$ 4,000
Rentals		\$ -
Pine Env.	\$ 1,320	\$ 5,280
World Water Works ¹	\$ 3,000	\$ 12,500
Suez ²	\$ 8,000	\$ 60,000
Sub Total ODCs	\$ 21,620	\$ 86,480
Markup 5%	1081	\$ 4,324
TOTAL ODCs	\$ 22,701	\$ 90,804
Equipment Demob		
AECOM Labor		\$ 6,351
Report Preparation		
AECOM Labor		\$ 110,000
Contingency		\$ 10,000
TOTAL TO FINISH		\$ 369,155

NOTES:

1 World Water Works, includes 3 additional months rental (5 months paid) @\$3,000/month, \$3,500 return shippin

2 Suez has yet to invoice anything. Include 6 months at \$8,000, 2 months at \$6,000 = \$60,000.

Original Project Budget	\$ 310,000
Amount Left in Project Budget	\$ (2,691)
Amount to Finish	\$ 369,155
Requested Additional Funds	\$ 371,847
Final Project Budget	\$ 681,847

Table 2
Consent Order Item 6, 7, 10 Phys/Chem Plant Optimization Testing
Budget Estimate

Labor	Testing			Coordination, Calculations, Reporting		
	Rate	Hours	Cost	Rate	Hours	Cost
Jeff Tudini	\$ 152.54	200	\$ 30,508	\$ 152.54	200	\$ 30,508
Ryan Delamere	\$ 82.51	200	\$ 16,502	\$ 82.51	80	\$ 6,601
Megan Kuczka	\$ 61.12	200	\$ 12,224	\$ 61.12	40	\$ 2,445
Goeddertz, John	\$ 202.19	80	\$ 16,175	\$ 202.19	80	\$ 16,175.20
TOTAL		680	\$ 75,409		400	\$ 55,729

Other Direct Costs	Description	Cost	Markup	Total
Brooks Applied Labs	Iron speciation testing	\$ 20,842	\$ 1,042	\$ 21,884
Test America	Conventional testing	\$ 7,000	\$ 350	\$ 7,350
Disposables & consumables	Sample supplies, gloves, filters, miscellaneous	\$ 1,000	\$ 50	\$ 1,050
HACH/LaMotte test Kit Supplies	Consumable test kit supplies	\$ 2,000	\$ 100	\$ 2,100
Milage	Milage to/from site, lab, etc beyonfd normal commute milage		\$ -	\$ -
	500 miles at 0.58/mile	240	\$ 12	\$ 252
			\$ -	\$ -
			\$ -	\$ -
	TOTAL	\$ 31,082	\$ 1,554	\$ 32,636

SUMMARY:	Labor:	\$ 131,138
	Other Direct Costs:	\$ 32,636
	Contingency:	\$ 15,000
	TOTAL:	\$ 178,774

NIAGARA FALLS WATER BOARD RESOLUTION # 2019-05-002

**DECLARING 2005 CHEVROLET BLAZER
SURPLUS AND DIRECTING SALE**

WHEREAS, the Niagara Falls Water Board (“Water Board”) has a white 2005 Chevrolet Blazer, VIN 1GNDDT13X35K106601, that no longer is necessary or economical to maintain as part of the Water Board fleet due to its age and repair costs; and

WHEREAS, City of Niagara Falls Engineering, which performs certain services for the Water Board, has expressed an interest in procuring the Chevrolet Blazer; and

WHEREAS, the Kelly Blue Book trade-in range for the Chevrolet Blazer is between \$935 and \$1,580, and Enterprise Fleet Management has given an estimated fair market value for that vehicle of \$500;

NOW THEREFORE BE IT

RESOLVED, that the Niagara Falls Water Board hereby declares the 2005 Chevy Blazer, VIN 1GNDDT13X35K106601, to be surplus property to be disposed of through sale;

AND IT IS FURTHER RESOLVED, that the surplus Chevrolet Blazer, which is known to need approximately \$650 in repairs, shall be offered for sale to the City of Niagara Falls for \$750;

AND IT IS FURTHER RESOLVED, that if not sold to the City the Chevrolet Blazer shall be sold by the Superintendent through an online auction, with all funds received to be turned over to the Director of Financial Services for deposit as revenues into the Local Water Fund.

Water Board Personnel Responsible for Implementation of this Resolution:
Superintendent

On May 20, 2019, 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 Forster	[]	[]	[]	[]
Board Member Kimble	[]	[]	[]	[]
Board Member Larkin	[]	[]	[]	[]
Board Member Leffler	[]	[]	[]	[]
Chairman O’Callaghan	[]	[]	[]	[]

Signed By:

Vote Witnessed By:

Daniel T. O’Callaghan, Chairperson

Sean W. Costello, Secretary to the Board

[Home](#) > [What's My Car Worth](#) > [Style](#) > [Options & Condition](#) > LS Sport Utility 4D



TRADE-IN VALUE

This estimated value helps you confidently negotiate with dealers.

Average Time to Trade In:



Level of Effort:



[See Overview of Values](#)

Condition: Fair

Valid for ZIP Code 14301 through 04/29/2019

Overall Consumer Rating 4 / 5

★★★★☆ 1412 Ratings

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Start the Trade-in Process Online

Plus, get a no-obligation quote for your next car.



Your Trade-in Vehicle

2005 Chevrolet Blazer LS Sport Utility 4D

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14301

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Bill Wright

From: Eason, Terry D <Terry.D.Eason@efleets.com>
Sent: Wednesday, May 1, 2019 1:57 PM
To: Bill Wright
Subject: RE: used trucks

Hi Bill,

I hope all is well. Below is the fair market value for the two vehicles you requested below. This is based on site and unseen conditions. Please let me know if you have questions.

1. 2013 Ford F-150 1FTPF1EF8DKE83926 with 95,000 miles - **\$7500**
2. 2005 Chevrolet Blazer 1GNDT13X35K106601 with 100,000 miles - **\$500**

Thanks
Terry,

Terry D Eason
Account Manager
Enterprise Fleet Management
(585) 434-1707 Direct
Terry.D.Eason@efleets.com

From: Bill Wright [<mailto:bwright@NFWB.org>]
Sent: Monday, April 29, 2019 1:31 PM
To: Eason, Terry D <Terry.D.Eason@efleets.com>
Subject: Re: used trucks

Sorry

About 100,000

Sent from my iPhone

On Apr 29, 2019, at 1:29 PM, Eason, Terry D <Terry.D.Eason@efleets.com> wrote:

Hi Bill,

Can you give me the mileage on the blazer?

Terry D Eason
Account Manager
Enterprise Fleet Management
(585) 434-1707 Direct
Terry.D.Eason@efleets.com

From: Bill Wright [<mailto:bwright@NFWB.org>]
Sent: Monday, April 29, 2019 1:01 PM
To: Eason, Terry D <Terry.D.Eason@efleets.com>
Subject: used trucks

DECLARING TWO TRAILERS SURPLUS PROPERTY

WHEREAS, the Niagara Falls Water Board (“Water Board”) is in possession of two 11-foot Eager Beaver Model TL6 trailers, dated March 1990 and bearing VIN Nos. 112TAF149LL034782 and 112TAF147LL034781; and

WHEREAS, these steel-and-wood trailers are no longer in safe working or usable condition and are not needed for Water Board operations; and

WHEREAS, Niagara Metals advised Water Board staff that the scrap value of these trailers would be \$25-\$50 each, but to scrap the trailers would require Water Board staff time, cutting gas, and oxygen; and

WHEREAS, the value of the trailers is such that the cost of putting them up for auction or advertising their sale would be imprudent;

NOW THEREFORE BE IT

RESOLVED, that the Niagara Falls Water Board hereby declares the Eager Beaver Model TL6 trailers bearing VIN Nos. 112TAF149LL034782 and 112TAF147LL034781 to be surplus property; and

IT IS FURTHER RESOLVED, that Water Board staff shall dispose of the trailers by selling them for the highest offer received after posting notice of this resolution on the Water Board’s website for two weeks and instructing that all offers be received in writing by the Water Board’s Superintendent; and

IT IS FURTHER RESOLVED, that when the highest offer has been determined, pursuant to Section 9.1 of the Operation Agreement between the Water Board, City of Niagara Falls, and Niagara Falls Public Water Authority, the Water Board shall give the City of Niagara Falls notice of the proposed terms of the property disposal, and the City may elect to acquire the trailers on those terms; however, if the City fails to respond to such notice within 60 days, the City shall be deemed to have given its consent to the disposal which then shall be completed; and

* CONTINUED ON NEXT PAGE *

IT IS FURTHER RESOLVED, that the Superintendent shall provide all offers received to the Secretary, to be filed with this Resolution, and that the funds received shall be turned over to the Director of Financial Services for deposit as revenues into the Local Water Fund.

Water Board Personnel Responsible for Implementation of this Resolution:
Superintendent

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

On May 20, 2019, 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 Forster	[]	[]	[]	[]
Board Member Kimble	[]	[]	[]	[]
Board Member Larkin	[]	[]	[]	[]
Board Member Leffler	[]	[]	[]	[]
Chairman O'Callaghan	[]	[]	[]	[]

Signed By:

Vote Witnessed By:

Daniel T. O'Callaghan, Chairperson

Sean W. Costello, Secretary to the Board

NIAGARA FALLS WATER BOARD RESOLUTION # 2019-05-004

**EMERGENCY ELECTRICAL INVESTIGATION
AND TESTING AT WASTEWATER TREATMENT PLANT**

WHEREAS, as a result of a suspected lightning strike on April 14, 2019 at the Niagara Falls Water Board (“Water Board”) Wastewater Treatment Plant (“WWTP”), certain electrical equipment was damaged and rendered non-functional; and

WHEREAS, the full extent of the damage cannot be known without electrical testing; and

WHEREAS, Ferguson Electric, pursuant to a pre-bid indefinite quantity/indefinite delivery contract, has presented a quote dated May 1, 2019 to test all assets associated with the lightning strike; and

WHEREAS, some or all of this expense may be covered by the Water Board’s property insurance policy;

NOW THEREFORE BE IT

RESOLVED, that the Niagara Falls Water Board be and is hereby authorized to pay to Ferguson Electric, Inc., up to \$165,000 to perform electrical investigation and testing of all wastewater treatment plant assets associated with the April 14, 2019 lightning strike.

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

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

On May 20, 2019, 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 Forster	[]	[]	[]	[]
Board Member Kimble	[]	[]	[]	[]
Board Member Larkin	[]	[]	[]	[]
Board Member Leffler	[]	[]	[]	[]
Chairman O’Callaghan	[]	[]	[]	[]

Signed By:

Vote Witnessed By:

Daniel T. O’Callaghan, Chairperson

Sean W. Costello, Secretary to the Board

May 1, 2019

Service Division

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- o 24-hour emergency service
- o Troubleshooting and repair

Niagara Falls Water Board
1200 Buffalo Ave.
Niagara Falls, NY 14304

Attn: Mr. Joe Argona

Re: Emergency Electrical Investigation and Testing
@ Waste Water Treatment Facility; Ferguson Proposal #PL1999I

Dear Mr. Argona,

We are pleased to present the following for the electrical investigation and testing of all assets associated with the recent lightning event.

The following work will be performed:

Infrared Thermographic Inspection of your facilities Electrical Distribution System (5 days plus report generation). In addition to our certified infrared thermographer, Ferguson Electric Service Co., Inc. will provide an additional qualified electrician to remove and replace equipment covers as required.

- Visual inspection of your facilities Electrical Distribution System.

De-energized Testing

The following low voltage equipment will be de-energized and tested. These test will include:

- Inspect physical and mechanical condition
- Thoroughly clean unit
- Exercise breakers or disconnects and insure proper operation
- Check all hardware for tightness
- Verify appropriate contact lubricant
- Contact resistance
- DC insulation resistance test preformed from pole to pole, pole to ground and across open pole (DC megger)

The following high and medium voltage equipment will be de-energized and tested.

These test will include:

- Visual and mechanically inspect air switches
- Exercise switches
- Verify correct blade alignment, penetration, travel and stops
- Examine and clean insulators
- Examine all mechanical linkage and operating rods
- Verify appropriate contact lubricant on moving current carrying parts and sliding surfaces
- Perform contact resistance test across each switch blade and fuse holder
- Non-destructive hi-pot of all 15KV cables

The following transformers will be de-energized and tested.

These test will include:

Vacuum pressure gauge operation and reading

- Check oil level
- Check for leaks
- Check transformer top and radiators for foreign material
- Check radiator condition
- Check fans and cooling system
- Insulation resistance, winding to winding and winding to ground with recommended test voltage
- Power factor (Doble)
- Transformer turns ratio (TTR)
- Oil sample

The following Protective relays will be tested.

These test will include:

- Inspect relay and case for visual defects
- Clean relay and case
- Check and tighten any loose connections
- Verify that all settings are in agreement with provided relay settings
- Perform Insulation test
- Inspect targets and determine minimum pickup and dropout values
- Functionally test each relay for pickup, time delay, and dropout

Oil samples

- Transformer Oil Analysis – Main 105MVA Transformers
- Transformer Oil Analysis – Power Center 1A
- Transformer Oil Analysis – Power Center 1B
- Transformer Oil Analysis – Power Center 2A
- Transformer Oil Analysis – Power Center 2B
- Transformer Oil Analysis – Power Center 3
- Transformer Oil Analysis – Power Center 4
- Transformer Oil Analysis – Power Center 5A
- Transformer Oil Analysis – Power Center 5B
- Transformer Oil Analysis – Power Center 6

Main 115kV Outdoor Substation

- 115kV Air Switch 187
- 115kV Air Switch 188
- 115kV Air Tie Switches
- 115kV Circuit Switcher Line 187
- 115kV Circuit Switcher Line 188
- Main 105MVA Transformer
- Insulators and Arresters
- 115kV Main Sub Batteries Charger (*Full Discharge Test one time)

Main 15kV Switchgear House

- 15kV Breaker Main Line 187
- 15kV Breaker Main Line 188
- 15kV Breaker Feeder F1
- 15kV Breaker Feeder F2
- 15kV Breaker Feeder F3
- 15kV Breaker Feeder F4
- 15kV Breaker Feeder F5
- 15kV Breaker Feeder F6
- 15kV Breaker Feeder Tie
- Main 115kV and 15kV Relays

Power Center 1

- 15kV Switch 1A East
- 15kV Switch 1B East
- 15kV Switch 1A West
- 15kV Switch 1B West
- 2000KVA T1 Transformer East
- 2000kVa T1 Transformer West
- 3200Amp Main 480V Breaker East
- 3200Amp Main 480V Breaker West
- 480V Distribution Breakers East and West

Power Center 2

- 15kV Switch 2A East
- 15kV Switch 2B East
- 15kV Switch 2A West
- 15kV Switch 2B West
- 1500KVA T2 Transformer East
- 1500KVA T2 Transformer West
- 2400Amp Main 480V Breaker East
- 2400Amp Main 480V Breaker West
- 480V Distribution Breakers East and West

Power Center 3

- 15kV Switch 3A
- 15kV Switch 3B
- 1500KVA T3 Transformer
- 2400Amp Main Breaker
- 480V Distribution Breakers

Power Center 4

- 15kV Switch 4A
- 15kV Switch 4B
- 1500KVA T4 Transformer
- 2400Amp Main 480V Breaker
- 480V Distribution Breakers

Power Center 5

- 15kV Switch 5A East
- 15kV Switch 5B East
- 15kV Switch 5A West
- 15kV Switch 5B West
- 1500KVA T5 Transformer East
- 1500KVA T5 Transformer West
- 2400Amp Main 480V Breaker East
- 2400Amp Main 480V Breaker West
- 480V Distribution Breakers East and West

Power Center 6

- 15kV Switch 6A
- 15kV Switch 6B
- 1500KVA T6 Transformer
- 2400Amp Main 480V Breaker
- 480V Distribution Breakers

Notes:

1. Our price is based on performing the work during normal working hours, 7:00 a.m. – 3:30 p.m., Monday through Friday.
2. Ferguson Electric will coordinate with the utility as needed; however, any utility costs, if applicable, are the responsibility of Niagara Falls Wastewater and are not included in this proposal.
3. The de-energized testing and investigation will take place over numerous shutdowns throughout the investigation. We will work with Niagara Falls Wastewater around your schedule and perform the testing and investigation when the equipment is planned/scheduled to be de-energized.
4. This price does not include cost for temporary power generation, supply or connection.
5. After any infrared thermographic inspection or de-energized testing is performed a complete report will be provided.

Our price for the testing and investigation is **ONE HUNDRED SIXTY-FIVE THOUSAND DOLLARS (\$165,000.00).**

Sales or use tax have not been included in our quote.

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



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

Should you have any questions, please do not hesitate to contact me.

Sincerely,

FERGUSON ELECTRIC SERVICE CO., INC.

Joseph L. Donato
Maintenance Engineering Specialist

Daniel R. Schultz
Electrical Services Specialist

JLD/als

NIAGARA FALLS WATER BOARD RESOLUTION # 2019-05-005

**INSTALLATION OF TWO 15kV VACUUM INTERRUPTER STYLE FEEDER
BREAKERS AT WASTEWATER TREATMENT PLANT SUBSTATION**

WHEREAS, as a result of a suspected lightning strike on April 14, 2019 at the Niagara Falls Water Board (“Water Board”) Wastewater Treatment Plant (“WWTP”), certain electrical equipment was damaged and rendered non-functional; and

WHEREAS, Ferguson Electric Service Co., Inc., has identified a resulting need to replace two existing breakers at the main substation with two vacuum style 15,000 volt feeder breakers; and

WHEREAS, Ferguson Electric, pursuant to a pre-bid indefinite quantity/indefinite delivery contract, has presented a quote dated April 24, 2019 to furnish the material and labor required to replace the breakers; and

WHEREAS, some or all of this expense may be covered by the Water Board’s property insurance policy;

NOW THEREFORE BE IT

RESOLVED, that the Niagara Falls Water Board be and is hereby authorized to pay to Ferguson Electric, Inc., up to \$49,775 to replace two existing breakers at the main substation that were damaged in the lightning strike with two vacuum-style 15,000 volt feeder breakers.

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

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

On May 20, 2019, 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 Forster	[]	[]	[]	[]
Board Member Kimble	[]	[]	[]	[]
Board Member Larkin	[]	[]	[]	[]
Board Member Leffler	[]	[]	[]	[]
Chairman O’Callaghan	[]	[]	[]	[]

Signed By:

Vote Witnessed By:

Daniel T. O’Callaghan, Chairperson

Sean W. Costello, Secretary to the Board

April 24, 2019

Service Division

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- 24-hour emergency service
- Troubleshooting and repair

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

Attention: Mr. Joseph Argona

Re: Provide (2) 15kV vacuum interrupter style breakers; FES#PL19974

Dear Mr. Argona,

We are pleased to submit this proposal to furnish and install (2) vacuum style 15,000volt feeder breakers for the main substation.

Our price for the above is **FORTY-NINE THOUSAND SEVEN HUNDRED SEVENTY-FIVE DOLLARS (\$49,775.00)**. Our price is subject to all applicable sales tax unless otherwise directed by your order to proceed. Our price is based on performing the work during straight-time hours, 7:00 a.m. – 3:30 p.m., Monday through Friday, excluding Sundays or holidays.

Price breakdown:	Material	\$46,968.00
	Labor	\$ 2,807.00

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 Specialist

NIAGARA FALLS WATER BOARD RESOLUTION # 2019-05-006

**COMMITMENT TO FUND WATER BOARD SHARE OF COST FOR
WASTEWATER TREATMENT PLANT PROTECTIVE MEASURES PROJECT**

WHEREAS, the Niagara Falls Water Board (“Water Board”) has been awarded a FEMA Hazard Grant Mitigation Program (“HGMP”) grant for Project No. 4204-0003, to construct flood protection measures for the Niagara Falls Waste Water Treatment Plant (“WWTP”); and

WHEREAS, the total estimated project construction budget is \$5,717,970; and

WHEREAS, the FEMA grant will cover \$2,619,277.50 of that cost; and

WHEREAS, the Water Board must commit to fund the remainder of the approximately \$3.1 million project cost by June 2019 or it risks losing the FEMA grant funding; and

WHEREAS, the New York State Department of Environmental Conservation (“NYSDEC”) and Dormitory Authority of the State of New York (“DASNY”) have advised the Water Board that the Water Board will be permitted to use \$1,549,346.25 of the State and Municipal Facilities Program (“SAM”) Phase II – Upgrade and Improve the Niagara Falls Waste Water Treatment Plant (Project ID: #15689) grant towards the WWTP Protective Measures, HMGP Project No. 4204-0003, however, this grant funding will not receive final approval prior to June 2019;

NOW THEREFORE BE IT

RESOLVED, that the Niagara Falls Water Board hereby commits itself to fund, through capital construction funds or bonded monies if necessary, up to \$3.1 million for construction of the flood protection measures for the wastewater treatment plant that are the subject of HGMP Project No. 4204-0003; and

* CONTINUED ON NEXT PAGE *

BE IT FURTHER RESOLVED, that the Executive Director hereby is authorized to execute all documents necessary to complete an application to DASNY for SAM Phase II grant funding of approximately \$1,549,346.25, which would reduce the funds required to be expended by the Water Board for the purpose of constructing the flood protection measures.

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

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

On May 20, 2019, 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 Forster	[]	[]	[]	[]
Board Member Kimble	[]	[]	[]	[]
Board Member Larkin	[]	[]	[]	[]
Board Member Leffler	[]	[]	[]	[]
Chairman O'Callaghan	[]	[]	[]	[]

Signed By:

Vote Witnessed By:

Daniel T. O'Callaghan, Chairperson

Sean W. Costello, Secretary to the Board

NIAGARA FALLS WATER BOARD RESOLUTION # 2019-05-007

**AUTHORIZING PROFESSIONAL SERVICES AGREEMENT
FOR SCADA DESIGN, DEVELOPMENT, AND PROGRAMMING
AT WASTEWATER TREATMENT PLANT (PROJECT NO. 10)**

WHEREAS, the Niagara Falls Water Board (“Water Board”), through engineering firm Clark Patterson Lee (“CPL”), solicited proposals for supervisory control and data acquisition (“SCADA”) design, development, and programming services in connection with a number of capital upgrades at the wastewater treatment plant (“WWTP”), with this proposal being for work referred to as WWTP Project No. 10; and

WHEREAS, one proposal was received, from Kaman Automation, Inc., and after negotiations with Kaman, a revised proposal dated May 8, 2019 was submitted, which CPL recommends that the Water Board accept;

NOW THEREFORE BE IT

RESOLVED, that the Niagara Falls Water Board hereby accepts May 8, 2019 proposal totaling \$352,450 from Kaman Automation, Inc., for SCADA design, development, and programming; and

IT IS FURTHER RESOLVED, that upon negotiation of an agreement approved as to form by General Counsel, the Water Board’s Executive Director is authorized to execute an agreement with Kaman Automation, Inc., for the project as described herein.

Water Board Personnel Responsible for Implementation of this Resolution:

Executive Director
General Counsel

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

On May 20, 2019, 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 Forster	[]	[]	[]	[]
Board Member Kimble	[]	[]	[]	[]
Board Member Larkin	[]	[]	[]	[]
Board Member Leffler	[]	[]	[]	[]
Chairman O’Callaghan	[]	[]	[]	[]

Signed By:

Vote Witnessed By:

Daniel T. O’Callaghan, Chairperson

Sean W. Costello, Secretary to the Board

Patrick Fama

Executive Director
Niagara Falls Water Board
5815 Buffalo Avenue
Niagara Falls, NY 14304

May 8, 2019

Subject: Wastewater Treatment Plant Upgrades Request for Proposals - SCADA.

Patrick,

After a review of the proposal with Clark Patterson we were asked to revise the proposal with the following changes:

- 1) The proposal was revised to include the SCADA hardware per the initial scope. This hardware included six (6) Dell Precision Towers, six (6) 24" Monitors, and three (3) 60" Monitors for a total cost of \$19,400. The number and type of equipment quoted is subject to change after the development of the SCADA buildout plan.
- 2) The proposal was also updated to include three (3) additional iFix client licenses, and the one (1) iFix development license for a total cost of \$12,341. The number of licenses required is subject to change after the development of the SCADA buildout plan. Upgrading your existing iFix SCADA system and taking advantage of the work that has already been done is a significant savings over switching to the Rockwell FactoryTalk software in both software licensing and SCADA programming time to convert the full system.
- 3) The initial proposal was submitted with 0% MBE participation, however in the past few days we have identified an opportunity to provide 29% MBE participation of the estimated total by working with BSV Enterprises in Rochester, NY. The Kaman Automation rate for this work is \$115.00 per hour where the BSV rate for the same work is \$175.00 per hour, this equates to an increase cost to the project of \$41,200.00.

Please note this estimate is based on the RFP. As the SCADA build out is developed further with more detail we anticipate there will be additional costs that are not included in this estimate due to the limited details in the RFP. Any addition work required and quoted at a later date will follow the hourly pay schedule as indicated in the proposal (pending annual adjustments for raises, increases, etc.)

Best Regards,

Gregory H. Merriam

Gregory H. Merriam, P.E.
Buffalo Department Manger

Patrick Fama

Executive Director
Niagara Falls Water Board
5815 Buffalo Avenue
Niagara Falls, NY 14304

May 8, 2019

Subject: Wastewater Treatment Plant Upgrades Request for Proposals - SCADA.

Patrick,

In response to Wastewater Treatment Plant Upgrades Request for Proposals – SCADA Niagara Falls Water Board, we are pleased to submit Kaman Automation proposal 190801 WWTP SCADA NFWB Rev. 1 for your review and acceptance.

Work Scope

- 1) Capital Project Support:
 - a) Develop control panel design specification to include standardized bill of material to be used when bidding panel builds.
 - b) Provide support to the capital project engineer for I/O list development, Panel build out plan, Ethernet network configuration, Review panel build bids, and Design progress meetings per addendum #2.
 - c) Provide Capital Project startup support
- 2) SCADA Development:
 - a) Develop SCADA programming specification for NFWB approval before screen development begins.
 - b) Convert the existing iFix SCADA system to the current iFix release.
 - c) Convert 42 existing iFix SCADA screens to new wide screen format with updated graphics to meet the SCADA programming specification.
 - d) Provide SCADA programming required for the capital projects listed below.
 - e) Provide six (6) new SCADA workstations with six (6) 24" monitors
 - a) Provide three (3) large format 60" displays.
 - b) Provide and install file backup software.
 - c) Provide and install iFix Historian software.

- 3) HMI Development:
 - a) Provide HMI programming for the new HMIs in the Disinfection PLC panel, Chlorine Contact Tank PLC Panel, Dewatering PLC Panel, and IP-3 PLC panel.
 - b) These HMI screens will be programmed based on the SCADA programming specification within the limitations of the panel view programming software.
 - c) These HMI screens will be programmed based on capital project engineer provided descriptions.
- 4) PLC Programming:
 - a) Develop PLC tag name standard to be used in the PLC, HMI, and SCADA programming.
 - b) Provide PLC programming in support of the capital projects base on capital project engineer provided process control narrative.
- 5) Gorge Pump Station
 - a) Provide and install VPN connection to WWTP
 - b) Convert the existing iFix SCADA system to the current iFix release.
 - c) Replace switchgear Square D PLC
 - d) Update IP Address subnet to limit outside communications.
- 6) Operator Training:
 - a) Provide 10 – 4 hour operator training sessions for the operation of the SCADA system.
- 7) Provide NFWB SCADA Engineering support allowance for the control system changes needed outside the scope of the Capital Projects.

Exceptions and Clarifications:

- 1) Kaman Automation Inc. is responsible for the terms and conditions outlined on the Wastewater Treatment Plant Upgrades FRP upon being awarded the project.
- 2) Kaman is familiar with NYSEFC requirements for municipalities.
- 3) The capital projects include: Disinfection System Project 6 (AECOM), Sed Basin Project 1 (AECOM), Gorge Pump Station Project 2 (GHD), Dewatering, Polymer, Screen/Grit Conveyor Project 3 (Arcadis), and Electrical Upgrades Project 5 (EI Team)
- 4) Capital project engineering support is estimated to be 40 hours of meetings with each project engineer to assist with the panel build out plan and I/O list development.
- 5) PLC and HMI programming estimate is based on the Capital Project I/O lists provided. If there is an increase of I/O more than 20% there will be additional charges for the additional I/O.
- 6) Operator training will not include process control training, the training is limited to the operation of the system through SCADA.
- 7) The time to develop additional SCADA screens is heavily dependent on the complexity of the screen, we estimate 16 to 24 hours to develop additional iFix SCADA screens with an hourly rate of \$115.
- 8) Please review the attached document “KAI Qualifications” for a list of similar previous projects and for staff resume summaries including key personal.

- 9) Since the project schedule goes out to December 2023 key personal will be made available as needed to support this project. Please assist with staff scheduling by planning meetings and other staff requirements at least 2 weeks in advance.
- 10) We have reached out to BSV enterprises for DBE on this contract. They have the ability to assist with this project. For estimating purposes is have assigned them the following activities: Review panel build bids, Capital project startup support, HMI programming, and PLC programming. This equates to about 29.8% of the project estimated. Please note their rate for programming is \$175.00 per hour.
- 11) Kaman Automation can provide professional engineering (PE) certification if needed, however PE certification has not been included in this proposal.
- 12) The SCADA Hardware/Software price includes: Six (6) Dell Precision Towers, Six (6) 24” Monitors, Three (3) 60” displays, three (3) iFix client licenses, and one (1) iFix development license as requested in RFP and Addendum #1.

Pricing Summary

- Schedule of Values (SOV)

Item #	Description	Qty.	Price Ea.	Ext. Price
1	Capital Project Support **	630	\$150	\$94,675
2	SCADA Development	640	\$115	\$73,830
	SCADA Hardware/Software	Lot		\$37,670
3	HMI Development. **	150	\$175	\$25,235
4	PLC Programming **	290	\$175	\$47,080
5	Gorge Pump Station	110	\$115	\$14,720
	GPS Hardware/Software	Lot		\$10,000
6	Operator Training	90	\$105	\$9,240
7	NFWB SCADA Engineering Support Allowance	347	\$115	\$40,000
			Total	\$352,450

Note: ** denotes MBE content is included.

Terms & Conditions

- See full terms and conditions listed in appendix “A”
- Shipping: FOB KAI Shipping Dock
- Freight: Prepaid & Add
- Invoicing: Net. 30 days
 - Invoicing to follow SOV line items as defined in Pricing Summary
 - Control Panels invoiced at time of shipment
- Delivery:
 - Engineering Submittal: 8 weeks after receipt and acceptance of purchase order
 - Control Panels: Panel Delivery 8 weeks after receipt of approved engineering submittal
 - Programming and Final Project Schedule to be determined at time of order.

- Purchase order acceptance is expressly based upon KAI standard terms and conditions.
- Purchase Order must match line item breakdown as identified in the Pricing Summary SOV
- Cancellation Policy:
 - Please note that the assemblies listed in this proposal are custom, made to order, items and cannot be returned. In the event this order is cancelled or modified for any reason, Customer is obligated for cost and expenses incurred by KAI as a result of the cancellation, modification, returns, progress being stopped or other changes from proposed quantities and conditions specified herein.
- Warranty:
 - KAI guarantees all workmanship for a period of 12 months from date of shipment. Component Warranties are limited to that provided by the manufacturers—component warranties will be transferred to Customer.
- Proposal is Valid for: 30 days
- Remit To:

Kaman Automation Inc.
1000 University Ave Suite 800
Rochester, NY 14607

I look forward to reviewing this proposal with you at your earliest convenience. Please let me know of any questions or need for additional information.

Best Regards,

Gregory H. Merriam

Gregory H. Merriam, P.E.
Buffalo Department Manger

Appendix A

1. **TERMS AND CONDITIONS.** Seller's willingness to offer goods or services ("Products") for sale or accept an order for Products is expressly subject to the terms and conditions contained herein and published online at <https://ec.kamandirect.com/us/content/terms/termsofsale.htm>. Seller rejects any different or additional terms or conditions in any order, other document or other communication issued by Buyer.

2. **SHIPMENT; DELIVERY; TITLE AND RISK OF LOSS.** All unconfirmed delivery dates are approximate. Seller is not responsible for damages resulting from shipping delays caused by circumstances outside Seller's control. Regardless of the manner of shipment, delivery occurs and title and risk of loss or damage pass to Buyer, upon placement of the Products with the shipment carrier at Seller's facility.

3. **WARRANTY.**

A. **Warranty for Distributed or Third-Party Products.** Please note that products, supplies, components or devices manufactured by a third party ("Third Party Product") may constitute, contain, be contained in, incorporated into, attached to, distributed by, or packaged together into, Seller's Value Added Products. Seller's warranties do not cover Third Party Products. In the case of Third Party Products, Seller's sole obligation shall be limited to making any existing applicable manufacturer's warranties pertaining to such products available to Buyer to the extent Seller can legally do so. Buyer's sole remedy for breach of this warranty, and subject to Seller's sole discretion, is either repair or replacement.

B. **Warranty for Seller Designed, Engineered, Built, or Assembled Products ("Value Added Products").** Seller warrants that the Value Added Products sold hereunder shall be free from defects in material or workmanship for a period of twelve (12) months from the date of shipment. Buyer's sole remedy for breach of this warranty, and subject to Seller's sole discretion, is either repair or replacement.

C. **Warranty for Seller Services (including Repairs and Build-To-Print).** Seller warrants to Buyer that it shall perform the Services using personnel of required skill, experience and qualifications and in a professional and workmanlike manner in accordance with generally recognized industry standards for similar services and that the Product will materially conform to Specifications. Buyer's sole remedy for breach of this warranty, and subject to Seller's sole discretion, is either repair or performance.

D. **Disclaimer.** All prices are based upon the exclusive limited warranties stated above and upon the following disclaimer: THE WARRANTIES LISTED ABOVE ARE THE SOLE AND ENTIRE WARRANTIES PERTAINING TO PRODUCTS PROVIDED. ALL OTHER WARRANTIES ARE EXCLUDED, WHETHER EXPRESS OR IMPLIED, BY OPERATION OF LAW OR OTHERWISE, INCLUDING BUT NOT LIMITED TO ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Warranties do not extend to any losses or damages due to misuse, accident, abuse, neglect, normal wear and tear, negligence, unauthorized modification or alteration, use beyond rated capacity, unsuitable power sources or environmental conditions, improper installation, repair, handling, maintenance or application or any other cause not the fault of Seller. To the extent that Buyer or its agents have supplied specifications, information, representation of operating conditions or other data to Seller in the selection or design of the Product and the preparation of Seller's quotation, and in the event that actual operating conditions or other conditions differ from those represented by Buyer, any warranties or other provisions contained herein that are affected by such conditions shall be null and void.

4. **CLAIMS; COMMENCEMENT OF ACTIONS.** Buyer agrees to inspect Products within five calendar days of receipt and agrees to immediately notify Seller of any defects, nonconformities or shortages. Buyer waives any right to object to such defects, nonconformities or shortages after such time. Any claim or action against Seller based upon breach of contract or any other theory, including tort, negligence, or otherwise must be commenced within twelve (12) months from the date of the alleged breach or other alleged event, without regard to the date of discovery.

5. **CANCELLATION/CHANGES.** Buyer may cancel orders only upon reasonable advance written notice and upon payment to Seller of Seller's cancellation charges which include, among other things, all costs and expenses incurred, and, to cover commitments made, by the Seller and a reasonable profit thereon. Seller's determination of such cancellation charges shall be conclusive. Buyer may request changes or additions to the Products consistent with Seller's specifications and criteria. In the event such changes or additions are accepted by Seller, Seller may revise the price, license fees, and dates of delivery and/or performance dates. Seller reserves the right to change designs and specifications for the Products without prior notice to Buyer, except with respect to made-to-order Products.

6. **PAYMENT.** Seller's prices do not include any sales, use, or other taxes or duties unless specifically stated. Seller reserves the right to negotiate escalation fees as warranted. Payment for all purchases is due thirty (30) days from the mailing date of invoice. Unpaid invoices beyond the specified payment date incur interest at the maximum allowable rate under applicable law.

7. **RETURNS.** Product may not be returned without prior authorization. A ten percent (10%) restocking charge, after inspection and in the opinion of the Seller, shall be made upon all Products returned for credit. Products returned for credit must be returned within five (5) business days after receipt, accompanied by Seller's invoice number and date of purchase, and be unopened in the original packaging. Custom, made-to-order or special Products including nonstandard components are not returnable.

8. **BUILD-TO-PRINT.** Where the Seller is responsible for manufacturing or servicing Product to Buyer's specifications, engineering data, drawings, schematics, materials, components, data or requirements ("Specifications"), the Buyer is solely responsible for determining the suitability and sufficiency of those Specifications, and assumes sole responsibility for the outcome and performance of Product based upon those Specifications. Additionally, Buyer is responsible for making the final selection of Product and assuring that all performance, endurance, maintenance, safety and warning requirements are met.

9. **BUYER'S OBLIGATION; RIGHTS OF SELLER.** To secure payment of all sums due or otherwise, Seller retains a security interest in all Products delivered to Buyer and this agreement is deemed to be a Security Agreement under the Uniform Commercial Code. Buyer authorizes Seller as its attorney to execute and file on Buyer's behalf all documents Seller deems necessary to perfect its security interest.

10. **FORCE MAJEURE.** Seller does not assume the risk and is not liable for delay or failure to perform any of Seller's obligations by reason of events or circumstances beyond its reasonable control (hereinafter "Events of Force Majeure"). Events of Force Majeure shall include without limitation: accidents, strikes or labor disputes, acts of any government or government agency, acts of nature, delays or failures in delivery from carriers or suppliers, shortages of materials, or any other cause beyond Seller's control.

11. **WAIVER AND SEVERABILITY.** Failure to enforce any provision of this agreement will not invalidate that provision; nor will any such failure prejudice Seller's right to enforce that provision in the future. Invalidation of any provision of this agreement by legislation or other rule of law shall not invalidate any other provision herein. The remaining provisions of this agreement will remain in full force and effect.

12. **DELAY.** Seller reserves the right to invoice for all items purchased, all work completed or in progress, and for any other commitments made by Seller on behalf of the Buyer if Buyer delays contract progress for a period exceeding six (6) weeks.

13. **GOVERNING LAW.** This agreement and the sale and delivery of all Products are deemed to have taken place in, and shall be governed and construed in accordance with, the laws of the State of Connecticut without regard to conflicts of laws principles. Buyer irrevocably agrees and consents to the exclusive jurisdiction and venue of the courts of Hartford County, Connecticut with respect to any dispute, controversy or claim arising out of or relating to this agreement.

14. **INDEMNITY.** (a) Seller agrees to hold Buyer harmless from all loss, liability, claims or expenses (including reasonable attorney's fees) awarded in a final judgment by a court of competent jurisdiction arising from bodily injury or property damage (including death) to any person caused directly by the recklessness or willful misconduct of Seller in the performance of this Agreement; (b) Buyer shall indemnify, defend, and hold Seller harmless from any losses, claims, liabilities, damages, lawsuits, judgments and costs (including attorney fees and defense costs), whether for personal injury, property damage, patent, trademark or copyright infringement or any other claim, brought by or incurred by Buyer, Buyer's employees, or any other person, arising out of: (i) improper selection, application, design, or other misuse of Products purchased by Buyer from Seller; (ii) any act or omission, negligent or otherwise, of Buyer; (iii) Seller's use of patterns, plans, drawings, or specifications furnished by Buyer to manufacture Products; or (iv) Buyer's failure to comply with these terms and conditions. Seller shall not indemnify Buyer under any circumstance except as otherwise provided.

15. **INSURANCE.** Seller agrees to procure and maintain, at its sole cost and expense, the following insurance underwritten by reputable insurance companies licensed to do business in the states in which the work or any portion of the work is performed for the entire term of this Agreement: Workers' Compensation insurance with statutory limits in accordance with the laws of the state in which the work or any portion of the work is performed; Employers' Liability insurance with limits of \$1 million each accident for bodily injury by accident or \$1 million each employee for bodily injury by disease. Commercial General Liability insurance with a limit of \$2 million each occurrence. Business Automobile Liability insurance with a limit of \$2 million any one accident or loss for injuries, including accidental death, and property damage covering all owned, non-owned and hired vehicles. Upon Buyer's written request: 1) Seller shall provide Buyer with certificates of insurance as evidence that the policies providing such coverage and limits are in full force and effect; 2) shall provide Buyer with renewal certificates of insurance within ten business days following the inception of the new policy period; 3) shall name Buyer as a "Certificate Holder" for each of the above policies. For its part, Buyer shall require its insurer to waive all rights of subrogation against Seller's insurers and Seller.

16. **LIMITATION OF LIABILITY.** NEITHER PARTY SHALL BE LIABLE FOR INCIDENTAL, CONSEQUENTIAL (INCLUDING LOST PROFITS, DIMINUTION IN VALUE OR REPUTATION, OR LOST OPPORTUNITY), SPECIAL, PUNITIVE OR LIQUIDATED DAMAGES, DIRECTLY OR INDIRECTLY, ARISING OR RESULTING FROM THE BREACH OF ANY OF THE TERMS HEREOF OR FROM THE SALE, HANDLING OR USE OF THE PRODUCTS SOLD. SELLER'S LIABILITY HEREUNDER, FOR BREACH OF WARRANTY, NEGLIGENCE OR OTHERWISE, IS EXPRESSLY LIMITED AT SELLER'S OPTION TO: (A) TO THE REPLACEMENT AT THE AGREED POINT OF DELIVERY OF ANY PRODUCTS FOUND TO BE DEFECTIVE OR NOT TO CONFORM TO THE SPECIFICATIONS SET FORTH HEREIN, (B) TO THE REPAIR OF SUCH PRODUCTS, OR (C) TO THE REFUND OR CREDITING TO BUYER OF THE PRICE OF SUCH PRODUCTS.

17. **COMPLIANCE WITH LAWS.** Buyer agrees to comply with all applicable laws, regulations, import and export laws and regulations of the Buyer's country and the United States of America, including but not limited to the Export Administration Regulations (EAR) and the International Traffic in Arms Regulations (ITAR). Buyer further agrees that for any EAR or ITAR controlled product, it shall not directly or indirectly, sell, export, re-export, transfer, divert or otherwise dispose of in any other country, or to any prohibited party, any such controlled product, either in its original form or after being incorporated into another end-item, without the prior written approval of the relevant U.S. Government authority.

18. **DISPUTE RESOLUTION.** If a dispute arises out of or relates to these terms or their breach, the parties shall attempt to resolve such dispute through the dispute resolution procedures set forth herein ("Resolution Procedures"). If any dispute arises under this agreement, either party may notify the other in writing of the existence of such dispute and the commencement of the Resolution Procedures. Within twenty (20) business days after receipt of the commencement notice the parties shall conduct a hearing at a mutually agreed upon location and time. The hearing shall be conducted before a hearing panel of one senior executive of from each party ("Hearing Executives"). During the hearing each party shall present its position, and each party shall be entitled to a rebuttal. The Hearing Executives will reach agreement on the order of presentations and other procedural issues regarding the hearing. At the conclusion of the hearing, the Hearing Executives shall meet to attempt to resolve the dispute. The Resolution Procedures shall be deemed terminated if the parties have not executed a written settlement of the dispute on or before the tenth (10th) business day following the conclusion of the hearing. Unless a written settlement is executed, any promises or agreements made by the parties at the hearing shall not be binding on the parties. All discussions, offers, promises, statements, or conduct made in the course of the Resolution Procedures are privileged, confidential, inadmissible, and not discoverable for any purpose. If the Hearing Executives are unable to resolve the dispute within forty-five (45) days of the date of the commencement notice, either party may institute litigation.

19. **MISC.** Unless otherwise agreed in writing this agreement contains the entire agreement between the Buyer and Seller and constitutes the final, complete and exclusive expression of the terms of sale. All prior or contemporaneous written or oral agreements or negotiations are herein merged. These terms may only be amended, modified or supplemented by an agreement in writing signed by each party. If any term or provision of this Agreement is determined to be invalid, illegal or unenforceable, such invalidity, illegality or unenforceability shall not affect any other term herein.

**AUTHORIZING INTER-MUNICIPAL AGREEMENT –
COST SHARING FOR 102nd STREET METER PIT
REHABILITATION PROJECT**

WHEREAS, the water systems of the Niagara Falls Water Board (“Water Board”) and the Niagara County Water District (“District”) share an interconnection located at 102nd Street in the City of Niagara Falls, including a structure housing a meter pit, piping, valves, and appurtenances (the “102nd Street Meter Pit”), which interconnection provides for the ability for both the District and Water Board to provide water to the other if needed and is a critical component for providing redundancy in the water systems; and

WHEREAS, the 102nd Street Meter Pit is in need of repairs, refurbishment, and upgrades in order to properly perform its function; and

WHEREAS, the District and the Water Board previously entered into an inter-municipal agreement for design and bidding for the needed repairs, refurbishment, and upgrades and engaged professional engineers, Wendel, to perform design and bidding services; and

WHEREAS, Wendel consulted with the District and the Water Board and has completed design of the repairs, refurbishment, and upgrades needed to the 102nd Street Meter Pit (the “Project”) and has provided the proposed design to both the District and the Water Board, including the Water Board’s engineers, Clark Patterson Lee; and

WHEREAS, after review of the Project design submitted by Wendel, the District and the Water Board wish to move forward with letting a contract or contracts for completion of the Project and to share the cost of the Project; and

WHEREAS, the parties further desire to enter into an agreement to share the responsibility for maintaining the 102nd Street Meter Pit once rehabilitated; and

WHEREAS, counsel for the Board and District have prepared a proposed inter-municipal agreement for the purpose of facilitating the Project;

* CONTINUED ON NEXT PAGE *

NOW THEREFORE BE IT

RESOLVED, that the Niagara Falls Water Board hereby authorizes the Executive Director to execute the proposed inter-municipal cooperation and cost-sharing agreement providing that the Water Board will pay one-half of the cost for the Project, provided, however, that the construction contract must be approved by the Water Board prior to its award.

Water Board Personnel Responsible for Implementation of this Resolution:

Executive Director
General Counsel

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

On May 20, 2019, 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 Forster	[]	[]	[]	[]
Board Member Kimble	[]	[]	[]	[]
Board Member Larkin	[]	[]	[]	[]
Board Member Leffler	[]	[]	[]	[]
Chairman O'Callaghan	[]	[]	[]	[]

Signed By:

Vote Witnessed By:

Daniel T. O'Callaghan, Chairperson

Sean W. Costello, Secretary to the Board

**INTER-MUNICIPAL AGREEMENT
COST SHARING FOR 102ND STREET METER PIT
REHABILITATION PROJECT**

THIS AGREEMENT, entered into by and between the Niagara County Water District, a special district of the County of Niagara, with offices located at 5450 Ernest Road, Lockport, New York (“District”) and the Niagara Falls Water Board, a municipal corporation with offices located at 5815 Buffalo Avenue, Niagara Falls, New York (“Board”);

WHEREAS, the water systems of the District and the Board share an interconnection located at 102nd Street in the City of Niagara Falls, including a structure housing a meter pit, piping, valves, and appurtenances (the “102nd Street Meter Pit”), which interconnection provides for the ability for both the District and Board to provide water to the other if needed and is a critical component for providing redundancy in the water systems, and

WHEREAS, the 102nd Street Meter Pit is in need of repairs, refurbishment, and upgrades in order to properly perform its function, and

WHEREAS, the District and the Board previously entered into an inter-municipal agreement for design and bidding for the needed repairs, refurbishment, and upgrades and engaged professional engineers, Wendel, to perform design and bidding services, and

WHEREAS, Wendel consulted with the District and the Board and has completed design of the repairs, refurbishment, and upgrades needed to the 102nd Street Meter Pit (the “Project”) and has provided the proposed design to both the District and the Board, and

WHEREAS, after review of the Project design submitted by Wendel, the District and the Board wish to move forward with letting a contract or contracts for completion of the Project and to share the cost of the Project,

**NOW, THEREFORE, IN CONSIDERATION OF ABOVE PREMISES AND
MUTUAL COVENANTS HEREIN CONTAINED, THE PARTIES HEREBY AGREE:**

- 1) That District and Board will jointly perform the Project. Utilizing the design documents prepared by Wendel, the District will advertise for sealed bids for completion of the Project and will cause such advertisement to be published once in both the Niagara Gazette and the Lockport Union Sun and Journal. The District will coordinate with the Board to schedule the time and place for bid opening and will specify the same in the advertisement. The bid specifications for the project shall include all language required by either party, including the Board’s requirements and procedures for participation by minority and women-owned business enterprises (“M/WBE requirements”).

- 2) Upon receipt and opening of the sealed bids for the Project, the District and Board will confer concerning award of a contract. No notice of award of contract will be issued unless and until both the District and the Board approve of the same.
- 3) Upon agreement of the District and Board, a contract will be let to the lowest responsible bidder. The Project will be bid and the contract let in the name of the District, and the District will be responsible for review of the contract documents, bonds, and insurances. The bid documents will require that the Board be named as an additional insured on the contractor's insurance, and the Board will also be named as an indemnitee in the hold harmless/indemnification clause required of the contractor.
- 4) Wendel will be retained to perform construction observation services for the Project and to ensure that the Project is carried out according to specifications, including working with the Board to ensure contractor compliance with the M/WBE requirements. Wendel and the District will have authority to make standard field changes and change orders as necessary during the course of the Project. If any change order or combination of change orders will result in an increase of the Project cost in excess of 10%, such will not be entered into by the District without prior consultation and agreement of the Board.
- 5) The District and the Board shall each be responsible for 50% of the cost of the Project, including the fees charged by Wendel. Upon completion of the Project, or upon payment by the District of any pay application or invoice on the Project, the District shall provide the Board with proof of payment and an invoice for 50% of the amount paid. Provided that the contractor has submitted to the Board satisfactory proof of contractor's compliance with the M/WBE requirements, Board shall cause such invoices to be paid promptly according to its ordinary audit procedures. The Board and the District will each bear their own legal fees.
- 6) This is an Inter-Municipal Agreement pursuant to Article 5-G of the General Municipal Law. Upon completion of the Project the District and Board shall continue to jointly maintain the 102nd Street Water Meter Pit and shall share future associated costs as they shall jointly determine. This inter-municipal agreement shall continue for a term of 40 years.
- 7) By their signature below each signatory warrants that his/her respective governing board has approved this Agreement and authorized such signature.

IN WITNESS WHEREOF, the parties have executed this Agreement on the date set opposite their respective signatures.

NIAGARA COUNTY WATER DISTRICT:

NIAGARA FALLS WATER BOARD:

By:_____Date:_____ By:_____Date:_____

JENNIFER H. BIEBER
ADMINISTRATIVE DIRECTOR

EXECUTIVE DIRECTOR

NIAGARA FALLS WATER BOARD RESOLUTION # 2019-05-009

DECLARING 2013 FORD F150 SURPLUS AND DIRECTING SALE

WHEREAS, the Niagara Falls Water Board (“Water Board”) has a white 2013 Ford F150, VIN 1FTPF1EF8DKE83926, that is no longer necessary or economical to maintain as part of the Water Board fleet due to its age and repair costs;

NOW THEREFORE BE IT

RESOLVED, that the Niagara Falls Water Board hereby declares the 2013 Ford F150, VIN 1FTPF1EF8DKE83926, to be surplus property to be disposed of through sale; and

AND IT IS FURTHER RESOLVED, that the Superintendent shall arrange to sell the Ford F150 through an online auction, with all funds received to be turned over to the Director of Financial Services for deposit as revenues into the Local Water Fund.

Water Board Personnel Responsible for Implementation of this Resolution:
Superintendent

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

On May 20, 2019, 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 Forster	[]	[]	[]	[]
Board Member Kimble	[]	[]	[]	[]
Board Member Larkin	[]	[]	[]	[]
Board Member Leffler	[]	[]	[]	[]
Chairman O’Callaghan	[]	[]	[]	[]

Signed By:

Vote Witnessed By:

Daniel T. O’Callaghan, Chairperson

Sean W. Costello, Secretary to the Board

NIAGARA FALLS WATER BOARD RESOLUTION # 2019-05-010

ADOPTING FIVE YEAR CAPITAL PLAN

WHEREAS, the Niagara Falls Water Board (“Water Board”) is committed to maintaining and improving its drinking water and wastewater systems through fiscally prudent, well planned, and strategic investments in its capital infrastructure; and

WHEREAS, the Water Board has developed a five-year plan to implement projects necessary to continue to meet the water and wastewater needs of the City of Niagara Falls; and

WHEREAS, the Water Board desires to adopt a formal five-year capital plan to provide Water Board staff and the public with guidance on its future plans and the anticipated source of the funds for those capital improvements; and

WHEREAS, adoption of a five-year capital plan will assist the Water Board in setting appropriate rates, fees, and charges;

NOW THEREFORE BE IT

RESOLVED, that the Water Board hereby adopts the five-year capital plan that is attached to this resolution.

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

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

On May 20, 2019, 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 Forster	[]	[]	[]	[]
Board Member Kimble	[]	[]	[]	[]
Board Member Larkin	[]	[]	[]	[]
Board Member Leffler	[]	[]	[]	[]
Chairman O’Callaghan	[]	[]	[]	[]

Signed By:

Vote Witnessed By:

Daniel T. O’Callaghan, Chairperson

Sean W. Costello, Secretary to Board



ITEM	NO.	PROJECT NAME	PROJECT DESCRIPTION	PROJECT JUSTIFICATION	PROJECT MANAGER	ENGINEER	CONTRACTOR	STATUS	PROJECT RATING		FORECASTED EXPENDITURES						
									RATING	JUSTIFICATION	2019	2020	2021	2022	2023	Deferred	
COMBINED PROJECTS (WATER AND WASTEWATER) - C																	
C	1	IT Plan Implementation	Develop & implement IT solution	Efficiencies and cost savings	NFWB	NFWB	TBD	Ongoing - yearly	MEDIUM	AS NEEDED	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	
C	2	Meter Replacement & Upgrades	Replace inaccurate & old meters	To insure meter accuracy and automated reading	NFWB	NFWB	NFWB	Ongoing - yearly	MEDIUM	AS NEEDED	\$130,000	\$70,000	\$70,000	\$70,000	\$70,000	\$70,000	
C	3	Fleet Replacement	Replenish fleet	Replace aging and unsafe vehicle stock	NFWB	-----	TBD	Ongoing - yearly	MEDIUM	AS NEEDED	\$80,000	\$80,000	\$80,000	\$80,000	\$80,000	\$80,000	
C	4	Water/sewer GIS/GPS Mapping	Document system assets	Better asset management with CMMS	NFWB	NFWB	-----	Ongoing - yearly	MEDIUM	AS NEEDED	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	
C	5	Combined Projects - Miscellaneous	Projects not forecasted or based on an emergency	Necessary for continued operation	NFWB	NFWB	TBD	As needed	HIGH	AS NEEDED	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	
SUBTOTALS (Annual Coverage Transfer Only)											\$345,000	\$285,000	\$285,000	\$285,000	\$285,000	\$285,000	
WASTEWATER TREATMENT PLANT INFRASTRUCTURE PROJECTS - WWTP																	
WWTP	1	WWTP Rehab Phase 4A - Sed. Basins & Scum	Project no.1 of the NYSDEC Order on Consent	NYSDEC Order on Consent R9-20170906-129, Schedule A, Item 18 Work	CPL	AECOM	TBD	Engineering ongoing	HIGH	CONSENT ORDER - ON GOING, GRANT FUNDING IN PLACE	\$550,000	\$1,500,000	\$1,500,000	\$1,650,000		\$0	
											\$1,100,000	\$3,000,000	\$3,000,000	\$3,300,000			
WWTP	2	WWTP Rehab Phase 4B - GPS Rehabilitation	Project no.2 of the NYSDEC Order on Consent	NYSDEC Order on Consent R9-20170906-129, Schedule A, Item 18 Work	CPL	GHD	TBD	Engineering ongoing	HIGH	CONSENT ORDER - ON GOING, GRANT FUNDING IN PLACE	\$550,000	\$1,500,000	\$1,500,000	\$1,650,000		\$0	
											\$1,000,000	\$3,000,000	\$3,000,000				
WWTP	3	WWTP Rehab Phase 4C - Polymer & Dewatering Controls	Project no.3 of the NYSDEC Order on Consent	NYSDEC Order on Consent R9-20170906-129, Schedule A, Item 18 Work	CPL	Arcadis	TBD	Engineering ongoing	HIGH	CONSENT ORDER - ON GOING, GRANT FUNDING IN PLACE	\$900,000	\$1,800,000				\$0	
											\$1,800,000						
WWTP	4	WWTP Rehab Phase 4D - Carbon & Support Gravel	Project no.4 of the NYSDEC Order on Consent	NYSDEC Order on Consent R9-20170906-129, Schedule A, Item 18 Work	CPL	AECOM	TBD	Engineering ongoing	HIGH	CONSENT ORDER - ON GOING, GRANT FUNDING IN PLACE		\$1,000,000				\$0	
												\$1,000,000					
WWTP	5	WWTP Rehab Phase 4E - Electrical Improvements	Project no.5 of the NYSDEC Order on Consent	NYSDEC Order on Consent R9-20170906-129, Schedule A, Item 18 Work	CPL	EI Team	TBD	Engineering ongoing	HIGH	CONSENT ORDER - ON GOING, GRANT FUNDING IN PLACE	\$312,500	\$625,000	\$625,000			\$0	
											\$312,500	\$312,500					
WWTP	6	WWTP Rehab Phase 4F - Chemical Improvements	Project no.6 of the NYSDEC Order on Consent	NYSDEC Order on Consent R9-20170906-129, Schedule A, Item 18 Work	CPL	AECOM	TBD	On hold	HIGH	CONSENT ORDER - ON GOING, GRANT FUNDING IN PLACE		\$1,800,000				\$0	
												\$1,800,000					
WWTP	7	WWTP Rehab Phase 4G - HVAC Improvements	Project no.7 of the NYSDEC Order on Consent	NYSDEC Order on Consent R9-20170906-129, Schedule A, Item 18 Work	CPL	EI Team	TBD	Engineering ongoing	HIGH	CONSENT ORDER - ON GOING, GRANT FUNDING IN PLACE	\$281,250	\$562,500	\$562,500			\$0	
											\$281,250	\$281,250					
WWTP	8	WWTP Rehab Phase 4H - Backwash Blower & Piping	Project no.8 of the NYSDEC Order on Consent	NYSDEC Order on Consent R9-20170906-129, Schedule A, Item 18 Work	NFWB	NFWB	Mollenberg Betz	Ongoing construction	HIGH	CONSENT ORDER - ON GOING, GRANT FUNDING IN PLACE	\$170,000	\$340,000				\$0	
											\$170,000						
WWTP	9	WWTP Rehab Phase 4I - Piping Improvements	Project no.9 of the NYSDEC Order on Consent	NYSDEC Order on Consent R9-20170906-129, Schedule A, Item 18 Work	CPL	O'Brien & Gere	TBD	Engineering ongoing	HIGH	CONSENT ORDER - ON GOING, GRANT FUNDING IN PLACE		\$275,000				\$0	
												\$550,000					
WWTP	10	WWTP SCADA Improvements	Project no.10 of the NYSDEC Order on Consent	NYSDEC Order on Consent R9-20170906-129, Schedule A, Item 18 Work	CPL	TBD	TBD	RFP ongoing	HIGH	CONSENT ORDER - ON GOING, GRANT FUNDING IN PLACE	\$125,000	\$125,000	\$125,000	\$125,000		\$0	
											\$250,000	\$250,000	\$250,000	\$250,000			
WWTP	11	Outfalls	Relocation of WWTP and CSO Outfalls	NYSDEC Order on Consent R9-20170906-129, Schedule A, Item 18 Work	On hold	On hold	On hold	On hold	HIGH	ON HOLD, GRANT FUNDING IN PLACE						\$8,000,000	
WWTP	12	WWTP Roof Repairs	Replace & repair large sections of the WWTP roofs	Necessary for facility protection and longevity	On hold	On hold	On hold	On hold	LOW	ON HOLD						\$1,800,000	
WWTP	13	WWTP Chemical Tanks	Removal of old chemical tanks that are not used	Better utilize space for sludge storage	CPL	CPL	Mark Cerrone	Construction ongoing	HIGH	ON GOING	\$125,000					\$0	
WWTP	14	WWTP Structural/Masonry Repairs	Repair aging and failing structural components	Restore structural integrity	On hold	On hold	On hold	On hold	LOW	ON HOLD						\$554,000	
WWTP	15	WWTP Flood Hazard Mitigation Grant Projects	Harden utility infrastructure against extreme weather	Prevent rainfall-related impacts and damage	NFWB	GHD	TBD	Engineering complete, funding ongoing	HIGH	WWTP FLOODING RELIEF, GRANT FUNDING IN PLACE	\$2,619,277.50					\$0	
											\$1,549,346.25						
											\$5,717,970						
											\$1,549,346.25						
WWTP	16	WWTP Standby Generator	Replace and upgrade WWTP power generator	Improve reliability	On hold	On hold	On hold	On hold	MEDIUM	ON HOLD	\$150,000					\$0	
WWTP	17	WWTP Infrastructure Projects - Miscellaneous	Repairs / replacements not associated with Phased Projects	Necessary for continued operation	NFWB	NFWB	TBD	As needed	HIGH	AS NEEDED	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	
Phase I NYS WWTP Grant Funding											\$2,838,750	\$6,793,750	\$1,625,000	\$1,775,000	\$0		\$10,454,000
Phase I NYS WWTP - Matching Funds											\$2,838,750	\$6,793,750	\$1,625,000	\$1,775,000	\$0		
Phase II NYS WWTP Grant Funding											\$1,549,346	\$0	\$0	\$0	\$0		
Phase II NYS WWTP - Matching Funds											\$1,549,346	\$0	\$0	\$0	\$0		
FEMA Grant											\$2,619,277.50	\$0	\$0	\$0	\$0		
Annual Coverage Transfer											\$375,000	\$100,000	\$100,000	\$100,000	\$100,000		
SUB-TOTALS											\$11,770,470	\$13,687,500	\$3,350,000	\$3,650,000	\$100,000		
SEWER INFRASTRUCTURE PROJECTS - S																	
S	1	GPS Elevator	Replace and upgrade GPS elevator	Improve reliability	CPL	CPL	TBD	Engineering ongoing	HIGH	ON GOING	\$600,000					\$0	
S	2	Sanitary Lift Station Electrical Upgrades	Provide standby power generation and SCADA to lift stations	Improve reliability	CPL	CPL	Ferguson, Flygt	Installation Ongoing	HIGH	ON GOING	\$250,000					\$0	
S	3	LaSalle Area Sewer Improvements (SSO)	Sewer repairs to mitigate SSO's	DEC mandated regulatory requirement	NFWB	Arcadis	TECsmith	Ongoing	HIGH	ON GOING, NEED EPG	\$200,000	\$170,000	\$590,000	\$355,000	\$500,000	\$4,000,000	
S	4	Combined Sewer Overflow Long Term Control Plan (CSO LTCP) Implementation	Implement sewer improvements to mitigate CSO's	DEC mandated regulatory requirement	On hold	On hold	On hold	On hold	LOW	ON HOLD	\$10,000					\$0	
S	5	CSO Outfall Structural Repairs	Repairs to CSO outfalls on lower river	Restore structural integrity	On hold	On hold	On hold	On hold	LOW	ON HOLD						\$4,000,000	
S	6	Tunnel Inspection	Inspect large diameter conveyance systems	Plan repairs prior to failures	On hold	On hold	On hold	On hold	LOW	ON HOLD						\$350,000	
S	7	Falls Street Tunnel Regulator Repairs	Electrical and air leak repairs to the FST regulators	Necessary for proper operation of sewer system during wet weather	NFWB	NFWB	TBD	Ongoing - RFP needed	HIGH	NECESSARY FOR SEWER SYSTEM	\$50,000					\$0	
S	8	Sewer/GPS Infrastructure Projects - Miscellaneous	Sewer/GPS projects not forecasted or arise based on an emergency situation	Necessary for continued operation	NFWB	NFWB	TBD	As needed	HIGH	AS NEEDED	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	
Not Funded by Grant - Need Funding											\$800,000	\$170,000	\$590,000	\$355,000	\$500,000		
Annual Coverage Transfer											\$410,000	\$100,000	\$100,000	\$100,000	\$100,000	\$8,450,000	
SUB-TOTALS											\$1,210,000	\$270,000	\$690,000	\$455,000	\$600,000		



ITEM	NO.	PROJECT NAME	PROJECT DESCRIPTION	PROJECT JUSTIFICATION	PROJECT MANAGER	ENGINEER	CONTRACTOR	STATUS	PROJECT RATING		FORECASTED EXPENDITURES					
									RATING	JUSTIFICATION	2019	2020	2021	2022	2023	Deferred
WATER TREATMENT PLANT INFRASTRUCTURE PROJECTS - WTP																
WTP	1	WTP Pump Replacements	Replacement of old WTP pumps necessary to process drinking water	Maintain treatment plant integrity	NFWB	NFWB	TBD	Ongoing	HIGH	ON GOING	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$100,000
WTP	2	Automation & Security Upgrades at WTP	Automate WTP operations and perform necessary VA identified upgrades	Maintain facility security	On hold	On hold	On hold	On hold	MEDIUM	AS NEEDED	\$70,000					\$500,000
WTP	3	WTP Vent Line Replacement	Replace corroding process vent piping	Maintain treatment plant integrity	On hold	On hold	On hold	On hold	LOW	ON HOLD						\$100,000
WTP	4	WTP Laboratory Instrumentation	New instruments for sample analysis	Regulation-driven water testing	On hold	On hold	On hold	On hold	MEDIUM	AS NEEDED						\$100,000
WTP	5	WTP Caulking	Repair aging and failing structural components	Restore structural integrity	NFWB	CPL	TBD	Ongoing	HIGH	ON GOING	\$125,000					\$0
WTP	6	WTP Building Improvements	WTP renovations necessary for operation	Necessary for continued operation	NFWB	CPL	TBD	On hold	MEDIUM	AS NEEDED						\$150,000
WTP	7	Water Treatment Plant Infrastructure Projects - Miscellaneous	WTP projects not forecasted or arise based on an emergency situation	Necessary for continued operation	NFWB	NFWB	TBD	As needed	HIGH	AS NEEDED	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000
SUBTOTALS (Annual Coverage Transfer Only)											\$325,000	\$130,000	\$130,000	\$130,000	\$130,000	\$1,050,000
WATER INFRASTRUCTURE PROJECTS - W																
W	1	Hydrant Replacement	Hydrant Replacement - old and inoperable hydrants	Fire protection reliability	NFWB	NFWB	NFWB	Ongoing	HIGH	ON GOING	\$80,000	\$80,000	\$80,000	\$80,000	\$80,000	\$80,000
W	2	Beech Avenue Tank Replacement	Tank Replacement - existing water storage tank	Distribution system operation & reliability	On hold	CPL	On hold	On hold	LOW	ON HOLD						\$6,000,000
W	3	Large Valve Replacement	Valve Replacement - water valves >12"	System reliability	City Engineering	City Engineering	4th Generation	Ongoing	HIGH	ON GOING	\$100,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000
W	4	Buffalo Avenue Water Valves	Valve Replacement - water valves that are damaged	Road reconstruction opportunity	On hold	On hold	On hold	On hold	LOW	ON HOLD						\$1,250,000
W	5	Leak Detection / Distribution Modeling	Water Distribution Study - Identify and control system losses	Resolve water quality & pressure issues; better asset management	CPL	CPL	not applicable	Engineering ongoing	LOW	ON HOLD						\$200,000
W	6	Abandon 20" Victory Pipe WM	Water Main Abandon - unnecessary and failing watermain	Victory pipe, potential for breaks	On hold	On hold	On hold	On hold	LOW	ON HOLD						\$170,000
W	7	Loop "D" Street Main - Falls Street to Gill Creek	Water Main New - Install & loop with new main	Eliminate dead end and blow-off	On hold	On hold	On hold	On hold	LOW	ON HOLD						\$70,000
W	8	Loop Niagara Avenue Main to Parkview Drive	Water Main New - Install & loop with new main	Eliminate dead end and blow-off	On hold	On hold	On hold	On hold	LOW	ON HOLD						\$110,000
W	9	10th Street and Michigan Avenue Mains - Lockport Street to Ontario Avenue (8") and 10th Street to 11th Street (8")	Water Main Replacement - replace main and install new services	Replacement of watermain due to frequent breaks	City Engineering	City Engineering	TBD	Engineering ongoing, 5 years to complete	HIGH	ON GOING, GRANT FUNDING IN PLACE			\$394,000 \$788,000 \$394,000			\$0
W	10	18th Street Main - Ontario Avenue to Whitney Avenue (14" PE Sliplining)	Water Main Replacement - replace main and install new services	Replacement of watermain due to frequent breaks	City Engineering	City Engineering	TBD	Engineering ongoing, 5 years to complete	HIGH	ON GOING, GRANT FUNDING IN PLACE			\$554,800 \$1,109,600 \$554,800			\$0
W	11	77th Street Main - Stephenson Avenue to Niagara Falls Boulevard (8")	Water Main Replacement - replace main and install new services	Replacement of watermain due to frequent breaks	City Engineering	City Engineering	TBD	Engineering ongoing, 5 years to complete	HIGH	ON GOING, GRANT FUNDING IN PLACE			\$554,000 \$1,168,000 \$584,000			\$0
W	12	80th Street - Niagara Falls Blvd. to Rick Manning Drive	Water Main Replacement - replace main and install new services	Replacement of watermain due to frequent breaks	NFWB	TBD	TBD	Needs funding	HIGH	PRIORITY PROJECT, NEED FUNDING	\$300,000					\$0
W	13	81st Street Main - Frontier Avenue to Pine Avenue	Water Main Replacement - replace main and install new services	Replacement of watermain due to frequent breaks	On hold	On hold	On hold	On hold	LOW	ON HOLD						\$850,000
W	14	Bollier Avenue Main - 82nd Street to Military Road	Water Main Replacement - replace main and install new services	Replacement of watermain due to frequent breaks	City Engineering	City Engineering	TBD	Ongoing	HIGH	ON GOING, GRANT FUNDING IN PLACE	\$240,000 \$500,000 \$260,000					\$0
W	15	College Terrace - Madison to College Avenue	Water Main Replacement - replace main and install new services	Replacement of watermain due to frequent breaks	NFWB	TBD	TBD	Needs funding	HIGH	PRIORITY PROJECT, NEED FUNDING	\$155,000					\$0
W	16	LaSalle Avenue Main - Hyde Park Blvd to 11th Street	Water Main Replacement - replace main and install new services	Replacement of watermain due to frequent breaks	On hold	On hold	On hold	On hold	LOW	ON HOLD						\$1,600,000
W	17	Laughlin Drive Main - 82nd Street to Bollier Ave	Water Main Replacement - replace main and install new services	Replacement of watermain due to frequent breaks	NFWB	TBD	TBD	Needs funding	MEDIUM	NEED FUNDING		\$610,592				\$0
W	18	McKoon Avenue Main - DeVeaux Avenue to James Avenue	Water Main Replacement - replace main and install new services	Replacement of watermain due to frequent breaks	NFWB	TBD	TBD	Needs funding	MEDIUM	NEED FUNDING			\$878,302			\$0
W	19	Military Road Main - Jacob Place to Bollier Avenue	Water Main Replacement - replace main and install new services	Replacement of watermain due to frequent breaks	NFWB	TBD	TBD	Engineering ongoing, 5 years to complete	MEDIUM	ON GOING, GRANT FUNDING IN PLACE		\$105,100 \$210,200 \$105,100				\$0
W	20	Military Road Main - Jacob Place to Cayuga Drive	Water Main Replacement - replace main and install new services	Replacement of watermain due to frequent breaks	On hold	On hold	On hold	On hold	LOW	ON HOLD						\$210,000
W	21	Ontario Avenue Main - 13th Street to Main Street	Water Main Replacement - replace main and install new services	Replacement of watermain due to frequent breaks	NFWB	TBD	TBD	Needs funding	MEDIUM	NEED FUNDING		\$763,633				\$0
W	22	Pierce Avenue Main - 11th Street to 18th Street	Water Main Replacement - replace main and install new services	Replacement of watermain due to frequent breaks	On hold	On hold	On hold	On hold	LOW	ON HOLD						\$570,000
W	23	Pierce Avenue Main - 18th Street to Hyde Park Blvd.	Water Main Replacement - replace main and install new services	Replacement of watermain due to frequent breaks	On hold	On hold	On hold	On hold	LOW	ON HOLD						\$750,000
W	24	Rivershore Drive Main - S.86th Street to 91st Street	Water Main Replacement - replace main and install new services	Replacement of watermain due to frequent breaks	On hold	On hold	On hold	On hold	LOW	ON HOLD						\$280,000
W	25	Van Rensselaer Ave - 900 Block	Water Main Replacement - replace main and install new services	Replacement of watermain due to frequent breaks	NFWB	TBD	TBD	Needs funding	HIGH	PRIORITY PROJECT, NEED FUNDING	\$100,000					\$0
W	26	Welch Avenue Main - 19th Street to 24th Street (16")	Water Main Replacement - replace main and install new services	Replacement of watermain due to frequent breaks	On hold	On hold	On hold	On hold	LOW	ON HOLD						\$600,000
W	27	Whitney Avenue Main - 11th Street to Hyde Park Blvd.	Water Main Replacement - replace main and install new services	Replacement of watermain due to frequent breaks	City Engineering	City Engineering	TBD	Engineering ongoing, 5 years to complete	HIGH	ON GOING, GRANT FUNDING IN PLACE			\$1,109,600 \$2,219,200 \$1,109,600			\$0
W	28	Willow Avenue Main - 11th Street to 17th Street (8")	Water Main Replacement - replace main and install new services	Replacement of watermain due to frequent breaks	On hold	On hold	On hold	On hold	LOW	ON HOLD						\$460,000
W	29	Witkop Avenue and 85th Street Loop (all 8")	Water Main Replacement - replace main and install new services	Replacement of watermain due to frequent breaks	NFWB	TBD	TBD	Needs funding	MEDIUM	NEED FUNDING		\$718,978				\$0
W	30	Water Infrastructure Projects - Miscellaneous	Water Projects - not forecasted or arise based on an emergency situation	Necessary for continued operation	NFWB	NFWB	TBD	As needed	HIGH	AS NEEDED	\$120,000	\$120,000	\$120,000	\$120,000	\$120,000	\$100,000
EFC Grants											\$240,000	\$105,100	\$2,642,400	\$0	\$0	\$13,350,000
EFC Grant - Matching Funds											\$260,000	\$105,100	\$2,642,400	\$0	\$0	
Not Funded by Grant - Need Funding											\$555,000	\$2,093,203	\$878,302	\$0	\$0	
Annual Coverage Transfer											\$300,000	\$250,000	\$250,000	\$250,000	\$250,000	
SUBTOTALS											\$1,355,000	\$2,553,403	\$6,413,102	\$250,000	\$250,000	
TOTALS											\$15,005,470	\$16,925,903	\$10,868,102	\$4,770,000	\$1,365,000	\$33,589,000
NOTES:																

- NOTES:
- 1 Phase I NYS WWTP funding - \$13.5 million award through State DASNY grant (50% NFWB match), \$13.5 million remainder to be sought in loan with low or no interest rate from EFC by end of July, according to CPL memo (3/14/19)
 - 2 Phase II NYS WWTP funding - \$6.5 million award through State DASNY grant (50% NFWB match), currently waiting on NYSDEC approval of funds to be used for the WWTP-14 WWTP Flood Hazard Mitigation Grant Project
 - 3 LaSalle Area Sewer Improvements (SSO) - Engineering Planning Grant program exists to help with costs to prepare engineering report (up to \$100K grant with 25% NFWB match) for the S-3 LaSalle Area Sewer Improvements (SSO) projects
 - 4 NYS Water Infrastructure Improvement Act ("WIIA") grant from EFC - \$2.76 million awarded for 5 watermain replacement projects that were identified in 2018 application, NFWB to provide remaining \$2.735 million.
 - iii. 18th Street Main - Ontario Avenue to Whitney Avenue
 - iii. Whitney Avenue Main - 11th Street to Hyde Park Blvd.
 - iv. 10th Street and Michigan Avenue Mains - Lockport Street to Ontario Avenue and 10th Street to 11th Street
 - v. Military Road Main - Jacob Place to Bollier Avenue
 - 5 NYSEFC SRF Loans are to be applied for by the end of July 2019 by CPL for several potential watermain but are not currently in place.

Fund Sources Total		2019	2020	2021	2022	2023	Sum 2019 - 2023
Annual Coverage Transfer		\$1,755,000	\$865,000	\$865,000	\$865,000	\$865,000	\$5,215,000.00
Bonded		\$0	\$0	\$0	\$0	\$0	\$0.00
FEMA Grant (WWTP Flood Hazard Mitigation Grant Project)		\$2,619,277.50	\$0	\$0	\$0	\$0	\$2,619,277.50
Phase I NYS WWTP Funding from DASNY (see note #1)		\$2,838,750	\$6,793,750	\$1,625,000	\$1,775,000	\$0	\$13,032,500.00
Phase I NYS WWTP - Matching Funds		\$2,838,750	\$6,793,750	\$1,625,000	\$1,775,000	\$0	\$13,032,500.00
Phase II NYS WWTP Funding from DASNY (see note #2)		\$1,549,346	\$0	\$0	\$0	\$0	\$1,549,346.25
Phase II NYS WWTP - Matching Funds		\$1,549,346	\$0	\$0	\$0	\$0	\$1,549,346.25
EFC Grant (see note #4)		\$240,000.00	\$105,100	\$2,642,400	\$0	\$0	\$2,987,500.00
EFC Grant - Matching Funds (see note #5)		\$260,000	\$105,100	\$2,642,400	\$0	\$0	\$3,007,500.00
Not Funded by Grant - Need Funding		\$1,355,000	\$2,263,203	\$1,468,302	\$355,000	\$500,000	\$5,441,505.00
TOTALS		\$15,005,470	\$16,925,903	\$10,868,102	\$4,770,000	\$1,365,000	\$47,569,475.00

NIAGARA FALLS WATER BOARD RESOLUTION # 2019-05-011

**REQUESTING THE ISSUANCE BY THE NIAGARA FALLS PUBLIC WATER
AUTHORITY OF BONDS TO FINANCE CAPITAL IMPROVEMENTS**

WHEREAS, the Title 10-C of the Public Authorities Law of the State of New York, as amended (“the Act”) created the Niagara Falls Water Board (“Water Board”) with the authority and power to undertake the planning, developing, acquiring, and construction of any facility (as defined in the Act); and

WHEREAS, the Water Board has previously approved a capital improvement plan to the System (as defined in the Act) and now desires the Niagara Falls Public Water Authority (the “Authority”) to finance \$13,500,000 of improvements to the System identified in the capital improvement plan; and

NOW THEREFORE BE IT

RESOLVED, that the Water Board hereby requests the Authority to finance \$13,500,000 of improvements to the System by the issuance of bonds and also to finance any reserve required and costs of issuance associated therewith; and

IT IS FURTHER RESOLVED, that this resolution takes effect immediately and the Authority hereby is requested to take action upon this request within 30 days.

On May 20, 2019, 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 Forster	[]	[]	[]	[]
Board Member Kimble	[]	[]	[]	[]
Board Member Larkin	[]	[]	[]	[]
Board Member Leffler	[]	[]	[]	[]
Chairman O’Callaghan	[]	[]	[]	[]

Signed By:

Vote Witnessed By:

Daniel T. O’Callaghan, Chairperson

Sean W. Costello, Secretary to Board