

#### Lovejoy District Community Meeting

Date: Tuesday May 13<sup>th</sup> , 2025.

Time: 6:00 PM - 8:00 PM

Location: Schiller Park Senior Center, 2057 Genesee St, Buffalo, NY 14211

#### ATTENDEES

Rosaleen Nogle (BSA)	Regina Harris (BSA)	Art Hall (Hallmark)
Katie Segarra (Hallmark)	Cambridge Boyd (Hallmark)	Nadia Mugisha (Arcadis)
Walt Walker (TYLin)	Chris Sieracki (TYLin)	

#### AGENDA

- 1. Queen City Clean Waters Program Overview
- 2. Overview of University District Specific Projects
- 3. Q&A

#### ACTION ITEMS

1. Respond to questions on FAQS Poster Board

Hallmark/ PMT

MEETING SUMMARY NOTES

BSA Capital Projects Program Management Team:

**TYLIN** Greeley and Hansen Water Solutions

#### **Queen City Clean Waters: Lovejoy District Community Meeting Summary Notes**

Meeting Summary – May 13th, 2025 | 6:00 – 8:00 PM Location: Lovejoy District – Schiller Park Senior Center, 2515 Bailey Ave, Buffalo, NY 14215

#### Who Attended

- Queen City Clean Waters representatives
- Local partners
- Community members and residents

#### **About the Initiative**

- Launched in early 2024, as an update to Buffalo Sewer's Long-Term Control Plan
- Investing **\$1 billion**+ across 50+ combined sewer overflow and wastewater treatment projects in all nine council districts over the next 10–15 years
- Focus on environmental upgrades with economic and social benefits for local communities

#### History of Buffalo Sewer

- Establishment: April 8, 1935, in response to a Department of Health mandate.
- Early Challenges: Financial instability leading to the creation of a state-established authority with \$15 million capacity.
- Long-Term Control Plan:
  - Initial report submitted in 2004, approved in 2014.
  - Ongoing adjustments revealed the need for additional projects to achieve full compliance by 2022.
  - Rebranded to the Queen City Clean Waters Initiative in 2023

#### **Stakeholder Advisory Committee**

- Formed in January 2025 to ensure community voices shape project design
- Includes reps from Board of Block Clubs, Urban League, Health Equity groups, and block clubs
- Supports transparency, inclusion, and local leadership in the process

#### **Lovejoy District Projects:**

- Sewer Patrol Point (SPP) 338
  - Goal: Install a new manhole in the Bailey and Kerns intersection,
  - electrical duct banks, and a control box near the sidewalk.
  - Location: Bailey & Kerns

- BSA Capital Projects Program Management Team:

**TYLIN** Greeley and Hansen Water Solutions

- **Budget:** Approx. \$3 Million
- **Timeline:** 2024-2026
- Sewer Patrol Point (SPP 341A)
  - **Goal:** Increase capacity of the Scajaquada Tunnel to reduce overflows to the Scajaquada Creek.
  - Location: Kerns & Genesee
  - **Budget:** Estimated \$8 million
  - **Timeline:** 2026-2027

#### • Schiller Park Offline Storage (OLS)

- **Goal:** Stores storm flows for up to 24 hours, then drains back to the sewer system.
- Location: Schiller Park
- **Budget:** Approx: \$ 85 Million
- **Timeline:** 2028-2033

#### • Sewer Patrol Point (SPP 339)

- **Goal:** Increase wet weather flow to the Scajaquada Tunnel to prevent overflows.
- Location: Kerns & Texas
- **Budget:** Estimated \$60,000
- **Timeline:** 2027-2028

#### • Sewer Patrol Point (SPP 340)

- **Goal:** Increase wet weather flow to the Scajaquada Tunnel to prevent overflows.
- Location: Kerns & Hagen
- **Budget:** Estimated \$60,000
- **Timeline:** 2027-2029

#### • Sewer Patrol Point (SPP 097)

- **Goal:** Replace an existing sewer on Babcock Street between Elk Street and the Buffalo River.
- Location: Babcock & South of Elk St.
- **Budget:** Estimated \$60,000
- **Timeline:** 2031-2032

#### • Clinton St Offline Storage (OLS)

- **Goal:** Current plan is an underground storage tank, still pending further design and cost analysis. Goal is to balance flows from Buffalo and its suburban neighbors.
- Location: Houghton Park
- **Budget:** Approx. \$163 Million
- **Timeline:** 2032-2036
- Sewer Patrol Point (SPP 104)
  - Goal: Upgrades within the manhole.
  - Location: Niagara Thruway & Bailey
  - **Budget:** Estimated \$60,000
  - **Timeline:** 2031-2032

#### Moreland Park Offline Storage (OLS)

• Goal: Add in an underground storage tank with a potential pump station

BSA Capital Projects Program Management Team:

**TYLIN** Greeley and Hansen Water Solutions



- Location: Bailey & Regent
- **Budget:** Estimated \$53 Million
- **Timeline:** 2035-2040

#### **Project Impacts and Mitigation**

- Construction Impacts:
  - Equipment and traffic on roads, temporary noise and dust.
  - Potential road and sidewalk closures, limited street parking, and detours.
  - Mitigation measures in place to minimize disruptions.

#### • Environmental Compliance:

- State priority environmental review completed.
- Measures to control erosion and runoff during construction.

#### • Operational Benefits:

- Reduction in CSOs
- Improved public health and ecosystem enhancement
- Compliance with Environmental Protection Agency regulations

#### **Community Engagement Highlights**

- Interactive Website: <u>BuffaloQCCW.org</u> for ideas, surveys, and concerns
- Public Forums:
  - In-person: April, May & June all nine council districts
  - Virtual: July 12, 10 AM-12 PM (Zoom)
- **Outreach Tools:** Mailers, social media, texts, and presence at community events like National Night Out

#### **Upcoming Events**

- May 14<sup>th</sup> @ 6 PM: Fillmore District Community Meeting In-Person at the Matt Urban Center
- May 20<sup>th</sup> @ 6 PM: Ellicott District Community Meeting In-Person at the Pratt Willert Community Center
- July 12 @ 10 AM: Virtual Community Forum

#### **Stay Connected**

- Visit: <u>BuffaloQCCW.org</u>
- Art Hall from Hallmark Planning & Development
- Follow-up: Meeting notes, Q&A responses, and ongoing design updates will be published

**TYLIN** Greeley and Hansen Water Solutions



#### **Community Questions & Responses**

- 1. Are people still getting sick? (In reference to disease from bodies of water where there are sewage overflows)
  - No, there have not been reported cases of typhoid or cholera in quite a while. People can still experience symptoms of E.coli and other water born illnesses when they go kayaking or otherwise interacting with the water immediately after a storm.
- 2. When my bill comes, it's got both the water and sewer on it, they are not the same, right?
  - No, Buffalo Sewer Authority is a separate agency from the Buffalo Water Board. The Buffalo Water Board is a public private partnership between the City of Buffalo and Violia. Violia collects both the Buffalo Sewer Authorities rates and the Buffalo Water Authorities water bill rates.
- 3. What about green infrastructure? Is there nothing you can do that way to minimize the overflows and that?
  - We are implementing green infrastructure, and we will be implementing green infrastructure in Lovejoy. It's going to be a lot less concentrated, we are focusing on the large-scale projects with this outreach. We are currently looking to invest about \$80 million as a part of our Raincheck 2.0 in green infrastructure, mostly throughout the East Side, whether it's Lovejoy, Masten, University, Fillmore, and Ellicott districts.
- 4. Why did you choose to locate the storage tanks in green areas, such as parks?
  - We chose those areas because they are mostly public lands.
- 5. In Houghton Park, part of the park is an old landfill, why can't you put the tank there?
  - We are tying to avoid those areas to minimize the hazardous waste management. We are tying to minimize cost while increasing public benefit. That area of the park is undisturbed and contained and we will do our best to leave it that way.
- 6. For the Babcock and Elk St Project, was potential contamination considered for the cost of construction? (Sticky note on FAQs poster board).

#### NEXT MEETING (IF APPLICABLE)

BSA Capital Projects Program Management Team:

**TYLin** Greeley and Hansen Water Solutions



Date of Next Meeting:	May 14 <sup>th</sup> , 2025
Time of Next Meeting:	6:00 PM
Location of next Meeting:	Matt Urban Center

BSA Capital Projects Program Management Team:

'I'I'In | Greeley and Hansen Water Solutions



# QUEEN CITY CLEAN WATERS

Lovejoy Council District Meeting Tuesday May 13, 2025

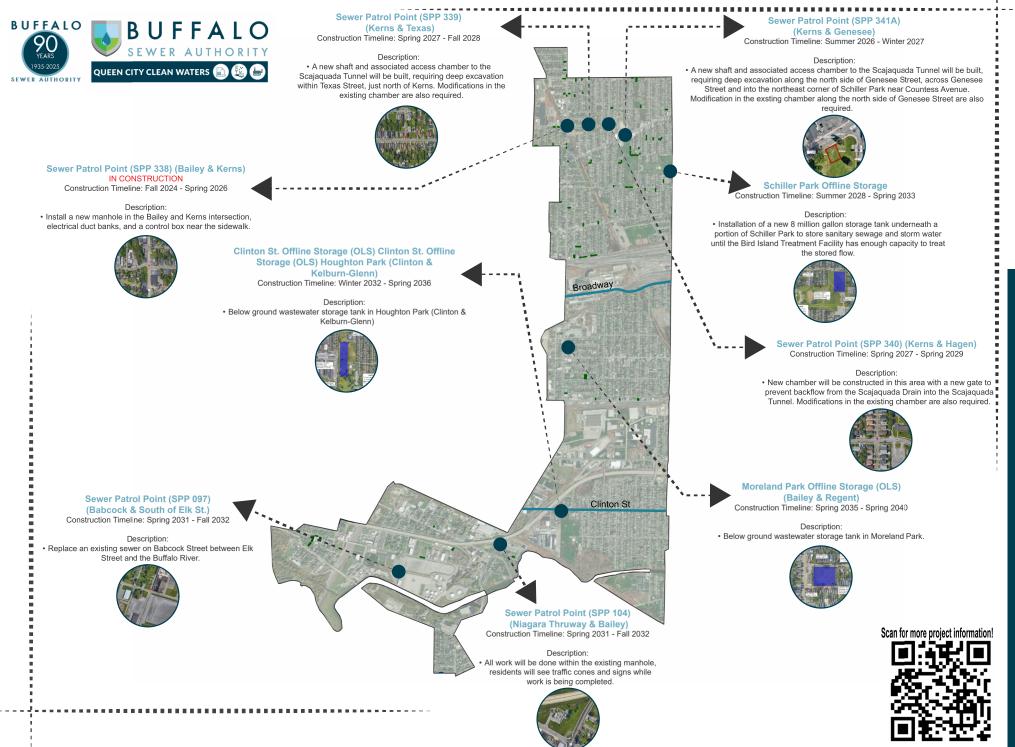
Name	Email Address	Phone Number	Neighborhood	Do you belong to a Block Club?	Would you like to receive more info?
Eva khuk				· ·	
9 hiscen					
Will Stepher (Con GSP)					
REGINA HARRIS	\$				



NAME	EMAIL	PHONEH	NEIGHBORHOOD	TO YOU BELONG	NOULD YOU LIKE TO RECEIVE MORE INFO?
Traserra Adams	tadams @ buffalvsever.or	716-851-4664 2 x.5255			
GANTAM SARKAR	gsarkase hotmail.com		Interpreter	X	· X
Fred Arris	flharnis. 81@smail.c	716 814 on 6932	Master	Yes	X
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### LOVEJOY DISTRICT



### BUFFALO SEWER AUTHORITY

### Queen City Clean Waters

# **Public Participation Forum**

May 13th, 2025 – Schiller Park Senior Center

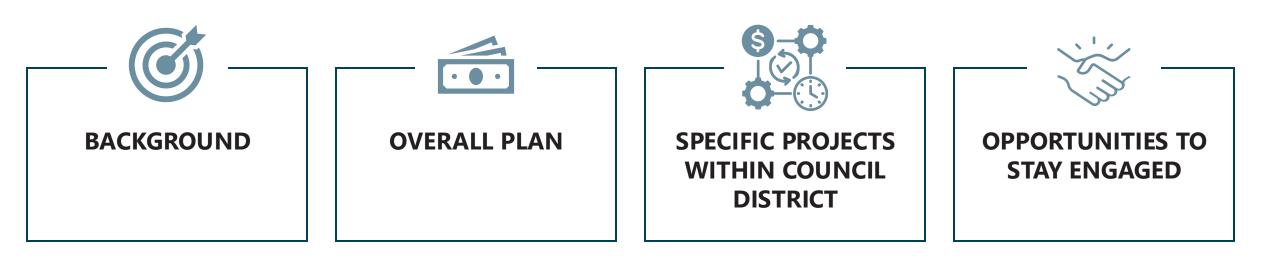
BSA Capital Projects Program Management Team:

**TYLIN** Greeley and Hansen Water Solutions

## Disclaimer

- This Presentation is provided as of May 13, 2025.
- If you are viewing this Presentation after that date, subsequent events could have a material effect on this information.
- By presenting this information, Buffalo Sewer has not undertaken any obligation to update the information beyond the date of the Presentation.
- Data and other information provided are not warranted as to completeness or accuracy and are subject to change without notice.
- The views, policies, programs, and practices reflected herein also are subject to change without notice.
- This Presentation is provided for your information and convenience only.

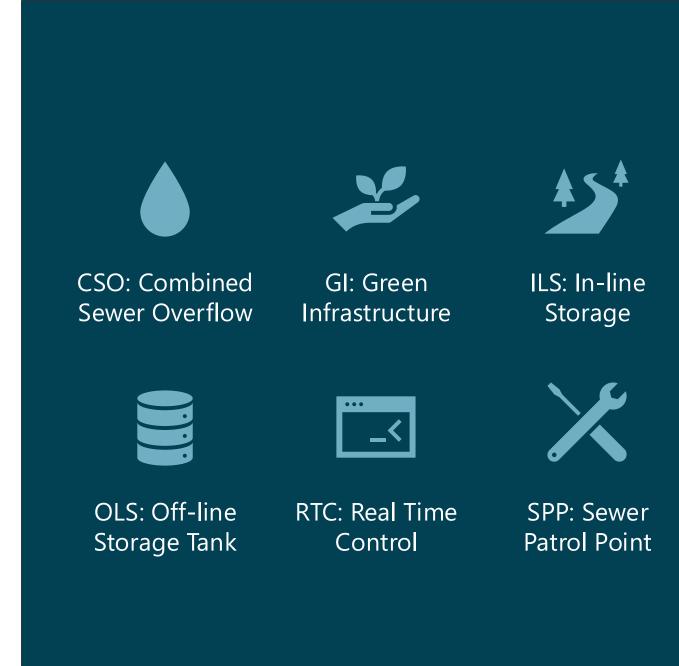






## Key Terminology

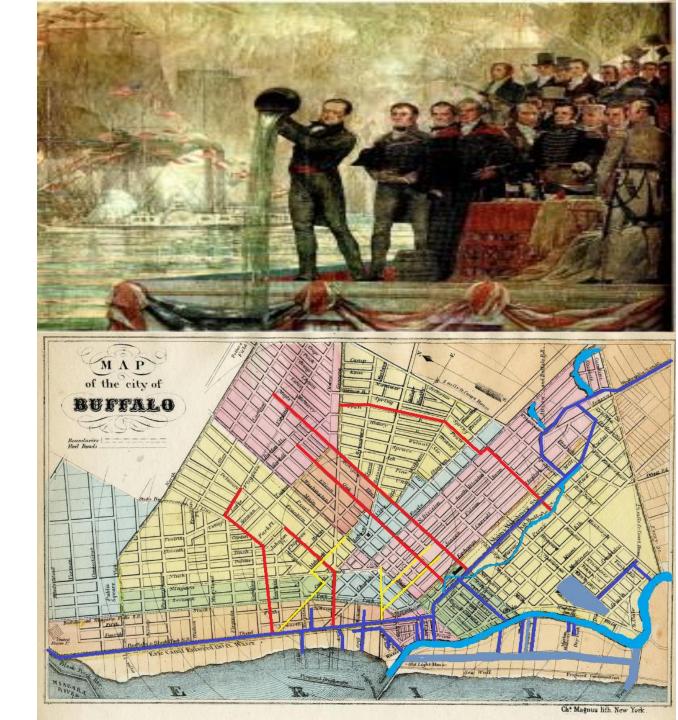
- CSO: when a combined sanitary and storm sewer overflows into a waterbody during high flow precipitation events.
- Interceptor: large diameter sewer pipe that collects wastewater from smaller neighborhood pipes.
- ILS: the storage of wastewater temporarily within the existing sewer pipes.
- OLS: A tank that holds extra water when the sewer is full, then drains it to be treated when there's space.
- Orifice plate: A flow restricting device.
- Overflow Weir: a barrier that lets excess water flow over the barrier to control water levels.
- RTC: Sewer chambers with automatic gates store and release water to prevent overflows when the treatment plant is ready.
- SPP: A chamber that directs water to the treatment plant in dry weather or overflow area during heavy rain.
- Underflow Pipe: is a pipe that allows water to flow underneath a barrier to manage water levels to prevent flooding.
- Weir: a structure similar to a dam. Used to control water flow.



# Background

# A Brief History of Buffalo's Sewers

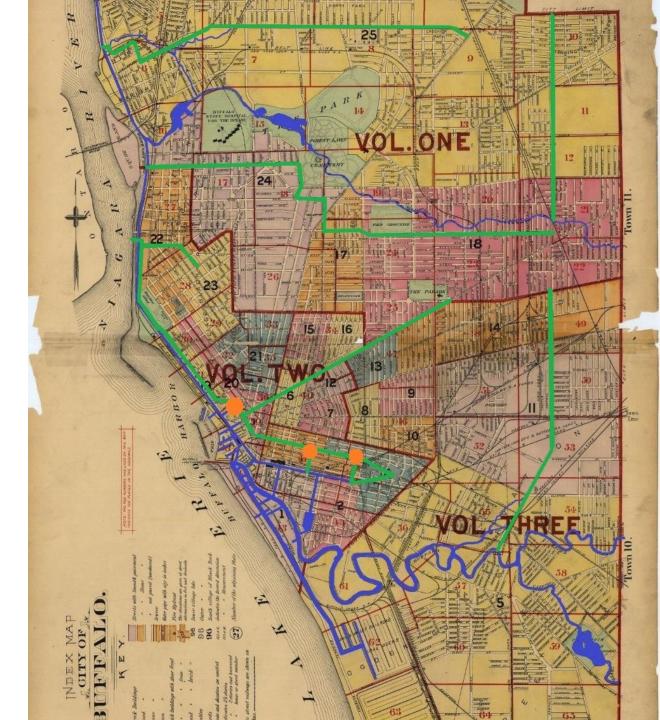
- Erie Canal opened in 1825
- Drain the Swamp
- Cholera epidemics
  - 1832
  - 1849
  - 1852





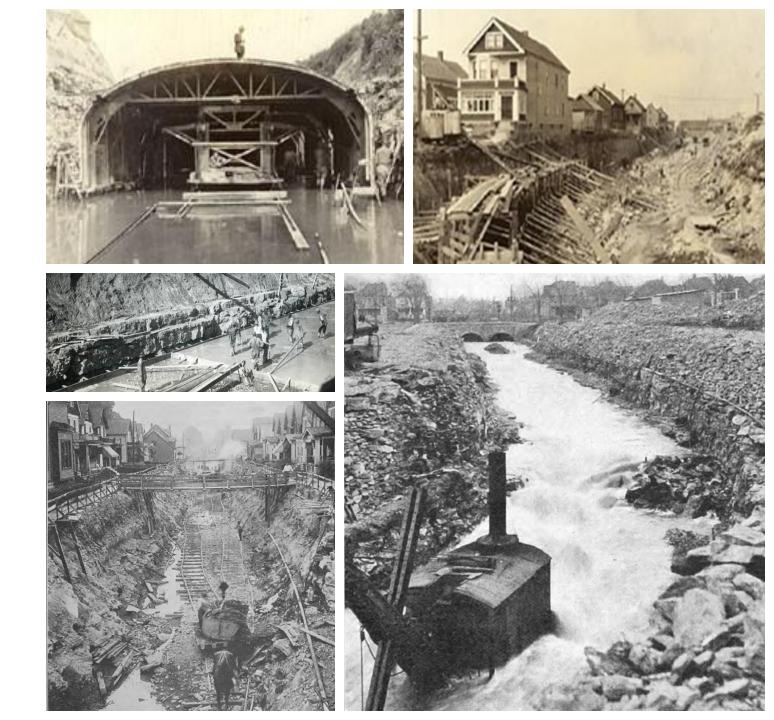
# A Brief History of Buffalo's Sewers (Cont.)

- George E. Waring, Jr. 1884
- Considered, but rejected
  - Sewer separation
  - Treatment Facility
- Swan
  - Main & Hamburg Canal and Wilkenson Slip: putrid
  - 90 Degree turn at Albany Street
  - Bird Island Pier, now the tip of Freedom Park



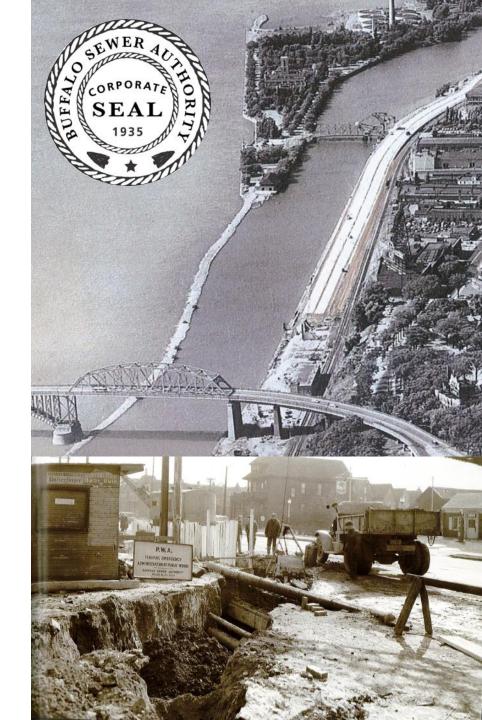
# 1900-1929: Burying of Waters

- Hamburg Drain
- Ohio Drain
- Scajaquada Creek toScajaquada Drain 1925



# Buffalo Sewer Authority's Founding

- 1907 Canadian Report:
  - Niagara Falls, NY Typhoid Rate
  - 0.2% Population Dying Each Year
- International Joint Commission: January 11, 1909
- 1918 Report: 80% Niagara River Pollution from Buffalo
- NYS Dept. of Health Mandate: March 1935
  - Primary Sewage Treatment Plant
  - Interceptor Sewers
- Establishment of BSA: April 8, 1935
  - \$15 M Bonding Capacity (\$344 M 2024)





# 1941-1970: Storm Relief and Sprawl

### NYS Route 33

- Severed Bird-Ferry Trunk
- Stormwater added to system
- New pump station for stormwater and groundwater
- New trunk sewers constructed

### I-198

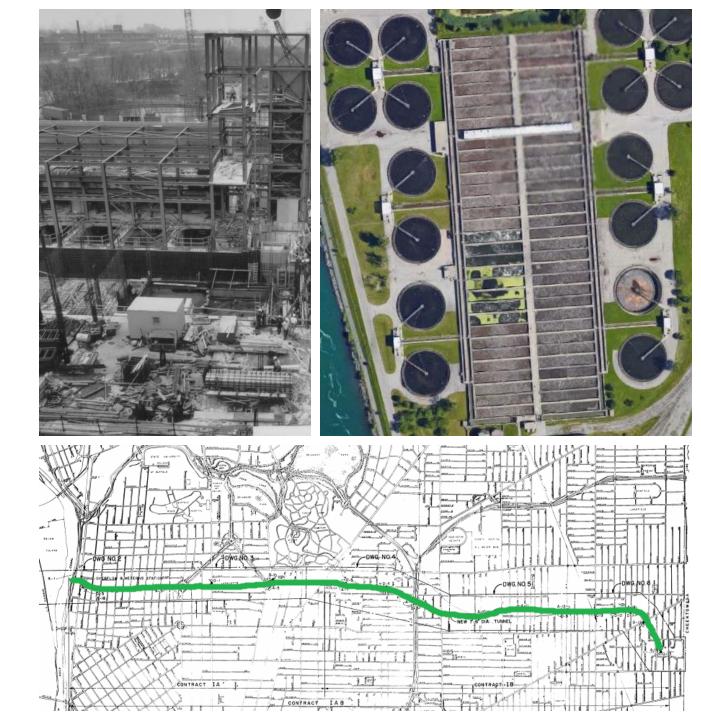
- New storm sewers
- Direct discharge to Scajaquada Creek

### I-190

- Old Erie Canal bed
- On top of:
  - Swan Trunk
  - Interceptors
  - Hamburg Drain

# Clean Water Act (1972)

- Scajaquada Tunnel
  - Diversion from Scajaquada Drain to Tunnel
  - Raising of Weirs
- Kelly Island Connection
- Secondary Treatment Process







1994	2004	2007	2009	2012	2014	2022	2023
USEPA CSO Control Policy Issued (Required Development of LTCP)	Submitted Initial LTCP to New York State Department of Environmental Conservation (NYSDEC)	NYSDEC/USEPA Request Additional Evaluations	Negotiation of Consent Decree Begins	Submitted LTCP Update to USEPA/ NYSDEC (as directed by regulatory agency	Final LTCP Report Submitted to USEPA/NYSDEC	Revised collection system model is approved	QCCW (51 proposed projects) submitted to NYSDEC

## Approved Recalibration Results

- Some Combined Sewer
   Overflows (CSOs)
   Already in Compliance
   (Some Projects Not
   Needed)
- -LTCP Does Not Reach Compliance for Others!

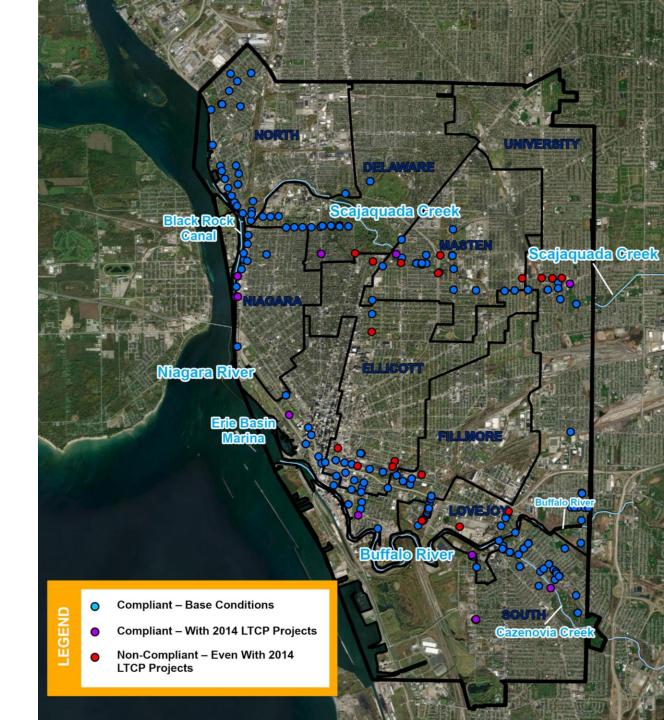
Waterbody	Activation Goals	Projected Activations
Buffalo River	6	15
Niagara River	9	14
Scajaquada Creek	4	19



## Sewer Patrol Points (SPP) Compliance

Proportion in Each Compliance Category







# **Optimization Approach**

#### **Globally Coordinated Control Strategy**

Real time control (RTC) sites collaborate to prevent overflows and reduce peak flows, regardless of local conditions.

#### System Evaluation Considerations and Constraints

- Property ownership
- Underground contamination concerns
- Gravity flow vs. pumping
- Prioritization of sewer patrol points
   (SPP) with low activation requirements and high overflow in baseline projects
- Potential coordination



#### **Original Projects Considered**

77 projects including In-line (ILS) and Off-line Storage (OLS), Green Infrastructure, Sewer Separation, and Sewer Patrol Point (SPP) Modification



#### **Optimization Rounds**

- Project alternatives per SPP
- Full system optimization
- Minimizing cost while achieving compliance

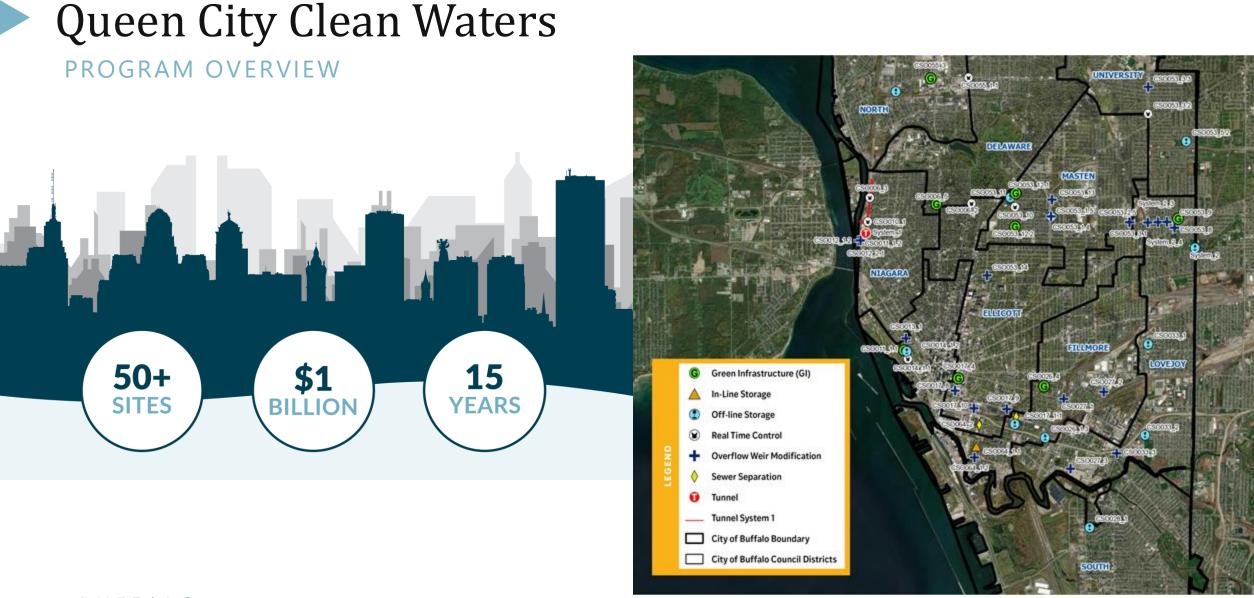


#### **Tools Used**

Cloud computing for alternatives analysis

#### Outcome

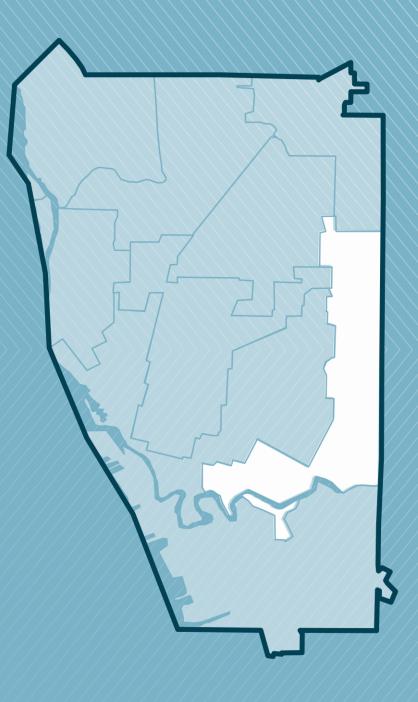
51 projects identified as Selected Alternatives



#### BUFFALO SEWER AUTHORITY

# Lovejoy District

Specific Projects



# Bailey & Kerns

### **SEWER PATROL POINT (SPP 338)**

#### **Project Description:**

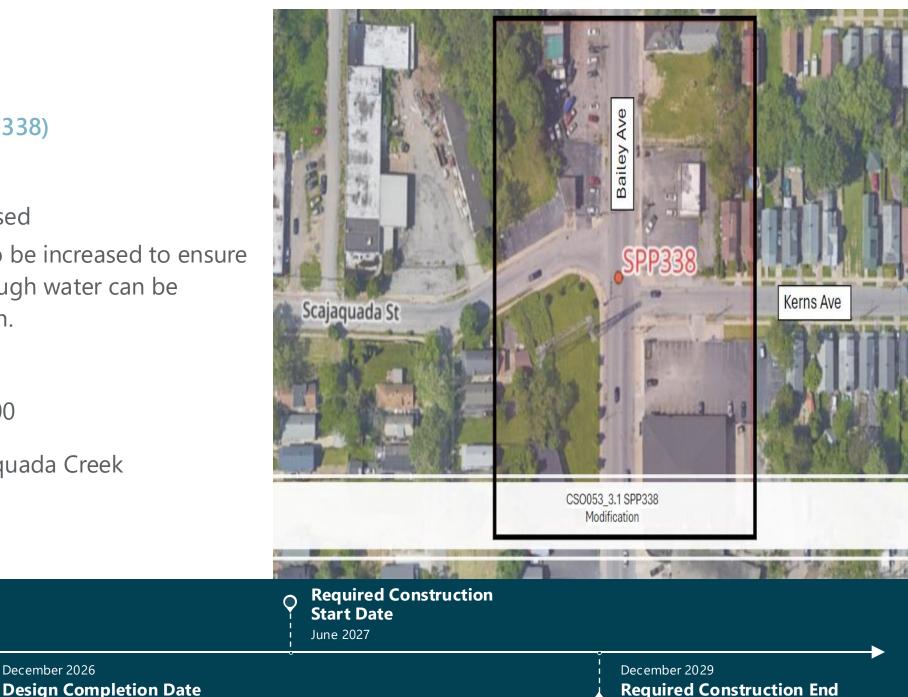
- The weir wall will be raised

- The weir length will also be increased to ensure that when necessary, enough water can be carried over it fast enough.

December 2026

#### Estimated Cost: \$3,061,400.00

Waterbody Impacted: Scajaquada Creek



Date

#### TIMELINE **V**

**Design Start Date** March 2024

# Kerns & Genesee

### SEWER PATROL POINT (SPP 341A)

### **Project Description:**

- A new chamber and drop shaft connection to the Scajaquada Tunnel will be built allowing more flow to enter the tunnel
- Height of water barrier will be raised to prevent overflow
- Survey start date: February 12th, 2024

Estimated Cost: \$8,545,400.00

Waterbody Impacted: Scajaquada Creek



Required Construction Start Date June 2026

#### TIMELINE **V**

**Design Start Date** March 2024

December 2027 Required Construction End Date

# Schiller Park

### SCHILLER PARK OFFLINE STORAGE

### **Project Description:**

- 8.0 MG underground offline storage tank holds excess rainwater from Cheektowaga
- Reduces overflow risk and eases Bird
   Island Treatment Facility load
- Uses gravity and controllable gates to manage flow

### Estimated Cost: \$85,960,000

Waterbody Impacted: Scajaquada Creek

#### 1) 40 -267.38 ft 48" Gravity Sewer Length 2 = 875.5 ft Tank Area = 106,952 sf Tank Depth = 10 ft Rim to Invert Depth = 28.79 ft Tank Volume = 8.00 MG 48" Gravity Sewer Length 1 = 268.4 ft LEGEND Erie County Parcels Proposed Manholes Proposed OLS Tanks Proposed Gravity Sewer Proposed Forcemain 200 ft 100 SWMM Export Entities

Required Construction Start Date December 2028

Links

#### Design Start Date March 2025

TIMELINE **V** 

December 2033 **Required Construction End** Date

# Kerns & Texas

### **SEWER PATROL POINT (SPP 339)**

#### **Project Description:**

- Increase the diameter of an underflow
   pipe that allows water to flow under the
   barrier
- Raise the elevation of the weir, or excess water barrier
- Increase the weir length

Estimated Cost: \$60,000

Waterbody Impacted: Scajaquada Creek

#### TIMELINE **V**

March 2025

**Design Start Date** 

Audreylun Navel **SPP339** Junctions Outfalls SPP339 Storages Conduits Pumps Orifices Weirs

> Required Construction Start Date June 2027

Outlets

June 2029 Required Construction End Date

# Kerns & Hagen

### **SEWER PATROL POINT (SPP 340)**

### **Project Description:**

- Increase the two underflow orifices, which are openings that allow water to flow underneath a barrier
- Add a one-way valve to stop water from flowing back from the Scajaquada Drain
- Survey start date: February 12th, 2024

Estimated Cost: \$60,000

Waterbody Impacted: Scajaquada Creek

#### TIMELINE **V**

March 2025

**Design Start Date** 



Required Construction Start Date June 2027

## December 2026 Design Completion Date



# Babcock & South of Elk St.

### **SEWER PATROL POINT (SPP 097)**

#### **Project Description:**

- The overflow weir, or excess water barrier height will be raised
- The length of this weir will also be extended
- The underflow pipe that allows water to flow under the barrier will be increased

Estimated Cost: \$60,000

Waterbody Impacted: Buffalo River



Required Construction Start Date June 2037

#### TIMELINE **V**

Design Start Date

December 2030
Design Completion Date

June 2033 Required Construction End Date

# Clinton & Kelburn-Glenn

### CLINTON ST OFFLINE STORAGE (OLS)

### **Project Description:**

 New sewer pipe, which routes wet weather flow through Houghton Park

 – 21.72 MG Offline Storage Tank includes a water flow barrier to measure and control flow levels

 Automatically controlled gate closes to store flow when at risk of overflow (SPP 104)

Estimated Cost: \$163,800,000

Waterbody Impacted: Buffalo River



**Required Construction** 

Start Date

June 2032

#### TIMELINE **V**

**Design Start Date** March 2029

December 2031
Design Completion Date

December 2036 Required Construction End Date

# Niagara Thruway & Bailey

### SEWER PATROL POINT (SPP 104)

### **Project Description:**

- Excess water barrier, or overflow weir height will be raised
- The weir length will also be increased

### Estimated Cost: \$60,000

Waterbody Impacted: Buffalo River



#### TIMELINE **V**

**Design Start Date** March 2029

> December 2030 Design Completion Date

Required Construction Start Date June 2031



# Bailey & Regent

### MORELAND PARK OFFLINE STORAGE (OLS)

#### **Project Description:**

- Located along Bailey Avenue, between
   Moreland Street and Regent Street
- 4.50 MG underground offline storage tank
- Requires a pump station for dewatering
- A vacant lot has been identified for the pump station

### Estimated Cost: \$53,620,000

Waterbody Impacted: Buffalo River

### TIMELINE **v**

Design Start Date March 2032





Required Construction
 Start Date
 June 2035



Break / Q&A

Community Engagement & Stakeholder Outreach



Build a robust **Community Benefits Program** of community partnerships and **Stakeholder Advisory Committee** comprised of community leaders and residents

Discovery

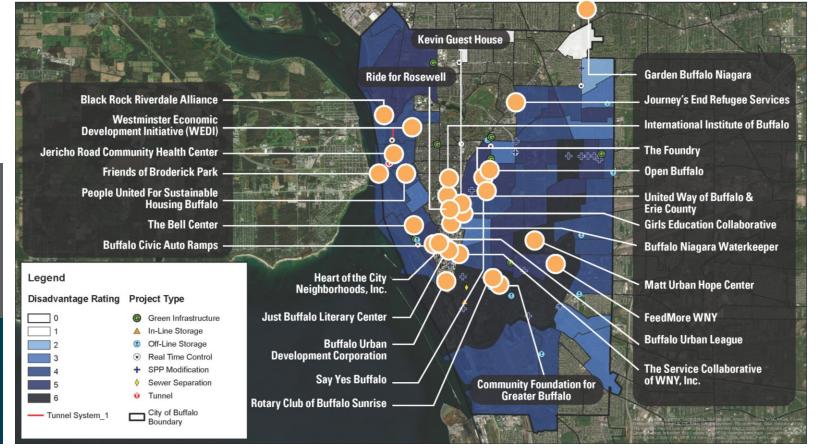
(b)

Planning and

Application

Accountability + Transparency: Indicators, representation, how are resources distributed and made available

Observation



Partner with Anchor Institutions to Reach the Community

## Stakeholder Advisory Committee (SAC)

The purpose of the Stakeholder Advisory Committee (SAC) for the Buffalo Sewer Authority's Queen City Clean Waters Initiative is to serve as a vital bridge between the project team and the diverse communities of Buffalo. The SAC ensures that community perspectives, concerns, and insights are actively incorporated into the initiative's planning, implementation, and evaluation.

**Organizations & Agencies Represented:** 

- Northland Workforce Training Center
- PUSH Buffalo
- Buffalo Urban League
- Board of Block Clubs
- NAACP
- Jericho Road

- Local Initiatives Support Corporation (LISC)
- Buffalo Niagara Waterkeeper
- City of Buffalo Office of <u>Strategic Planning (OSP)</u>
- Buffalo Center for Health Equity





Buffalo Sewer wants to ensure construction and professional services contracts deliver a positive economic, environmental, and social impacts for residents. Companies working with Buffalo Sewer are encouraged to support Buffalo nonprofits through volunteerism or financial contributions to defined community partners. The program will be included in contract terms and compliance monitoring to ensure effective participation.

COMMUNITY PARTNERSHIP PROGRAM Coming in 2025

# BSA's Commitment to the Inclusion of DBE/MWBE Firms

### PURPOSE



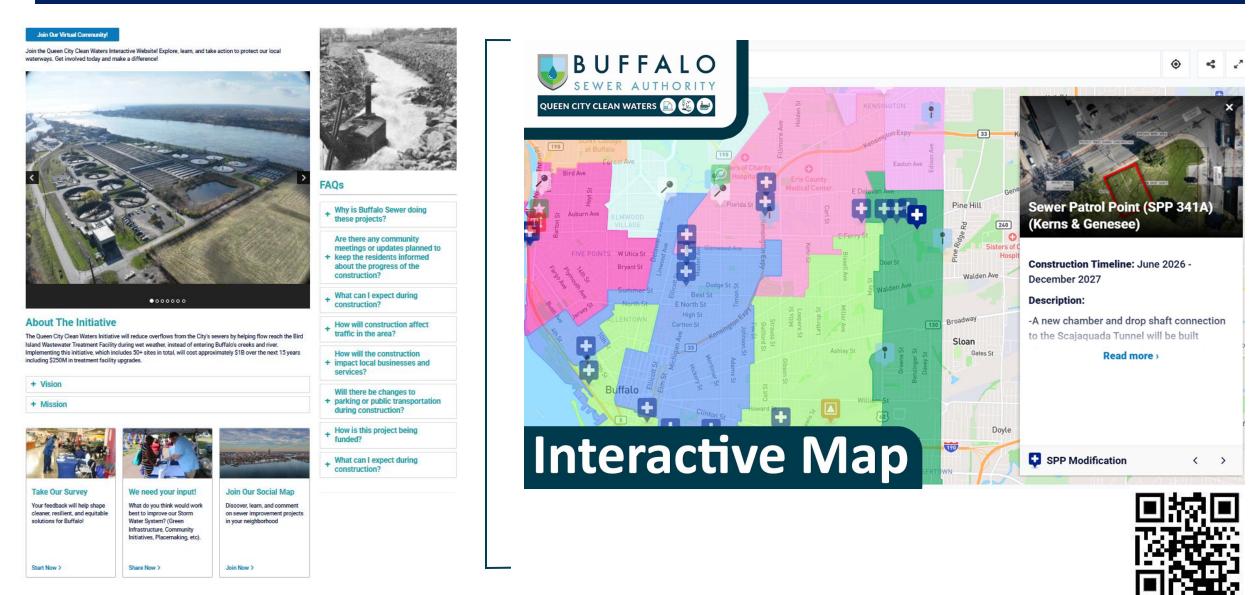
- Create economic opportunity for Disadvantaged/Minority/ Women Owned Business Enterprise (D/MBE/WBE) firms, including firms who are new to working with BSA and/or the City of Buffalo
- Promote meaningful teaming arrangements, mentorship, and partnership between established, experienced firms and new and/or smaller firms



# **Opportunities to Stay Engaged**

## New! Queen City Clean Waters Interactive Website

#### **BUFFALOQCCW.ORG**



# Buffalo Sewer Authority Website



BUFFALO

SEWER AUTHORITY

# Your <u>BEST</u> source of information!

- Consultant, Contractor, and Supplier Opportunities
- Construction Updates

FAQs

- Board Meeting Minutes
- Public Participation Plans

50

# Thank you!

**GET IN TOUCH:** 







