



NEW Water Update

Municipal & Industrial Partner Meeting

March 29, 2023



Today's Agenda

- Welcome / Updates – Tom Sigmund, Executive Director
- Facility Plan – Nathan Qualls, Director of Technical Services
- Inflow & Infiltration (I&I) – Nathan Qualls, Director of Technical Services
- Flooding Resources – Tricia Garrison, Public Affairs & Education Manager

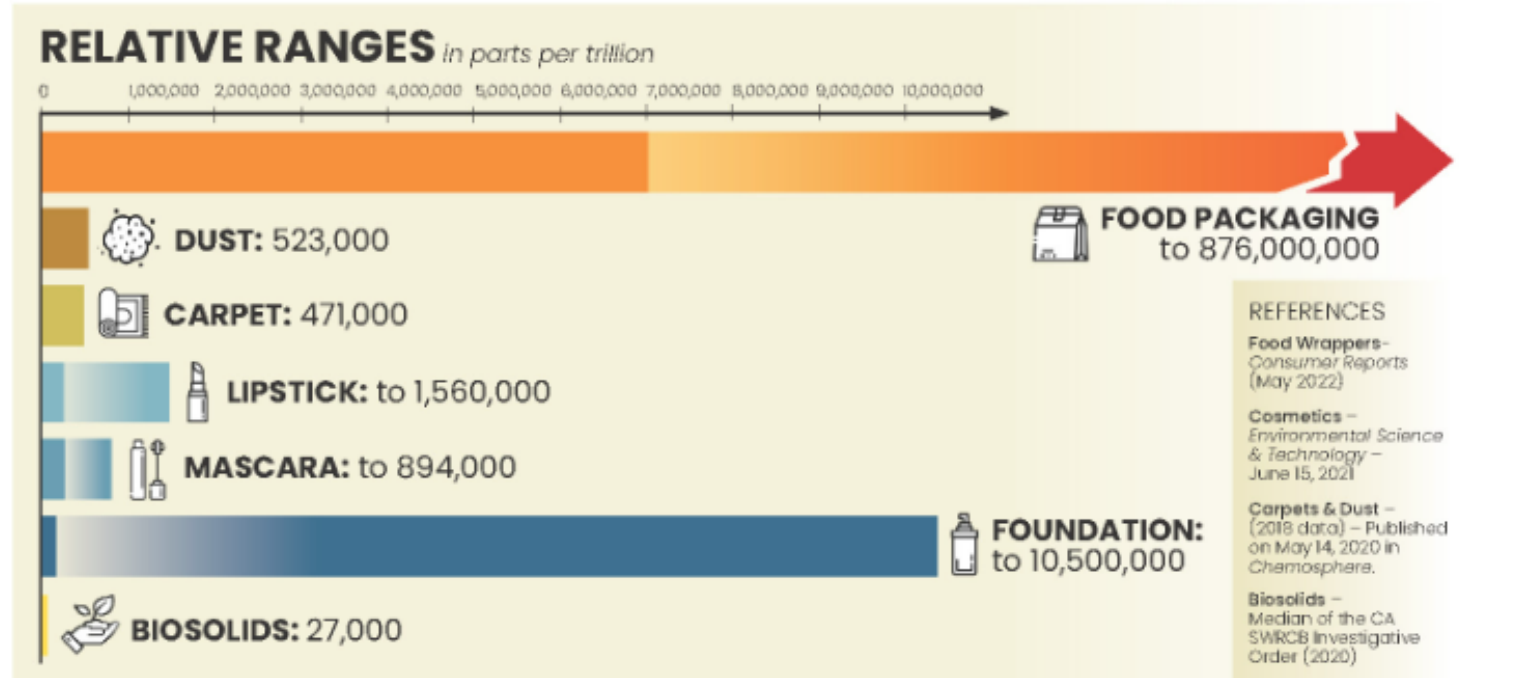
Executive Director Updates

- 2024 budget
- I&I on private property
 - *Bill proposed in Wisconsin Legislature would address funding on private side*
 - *I&I cannot be resolved without addressing private side issues*
 - *This funding would help **reduce costs***
- State Revolving Fund
 - *NEW Water continues to pursue, and support, continuation of these funds; **cost savings***
 - *News: Appropriations “earmarks”*



Executive Director Updates: PFAS & EPA

- *EPA proposed maximum levels for drinking water: 4 parts per trillion*
 - *Looking to finalize by end of 2023*
- *EPA's Effluent Limits Guideline Plan 15*
 - *Proposing rulemaking for categories of industries in the future*



Learn more about the EPA's new proposed rule here: [Per- and Polyfluoroalkyl Substances \(PFAS\) | US EPA](#); see EPA's PFAS fact sheet here: [FACT SHEET \(epa.gov\)](#)

Learn more about the EPA's Plan 15 here: [Current Effluent Guidelines Program Plan | US EPA](#); see EPA's Plan 15 Fact sheet here: [Effluent Guidelines Program Plan 15 Fact Sheet \(epa.gov\)](#)

Executive Director Updates: PFAS & NEW Water

- *Monitoring*
- *Pollution prevention & source reduction strategies*
- *NEW Water continues to monitor these evolving regulations – national and state*

The infographic is divided into four main sections: 'What are PFAS?', 'What is Wisconsin Doing About It?', 'Why Should I Care?', and 'What You Can Do...'. It includes icons for various PFAS-containing products, health risks, and actions for consumers. QR codes are provided for testing water, checking fish advisories, and learning more about health risks. A footer directs visitors to dnr.wi.gov to search for PFAS.

What are PFAS?
PFAS are a group of human-made chemicals used for decades in numerous products.

stain-resistant carpet & fabric, non-stick cookware, firefighting foam, fast food packaging

What is Wisconsin Doing About It?
Additional efforts include a PFAS Action Committee (WSPAC) and a PFAS Technical Advisory Group.

establishing PFAS health standards for drinking water, groundwater and surface water, soil & water testing, researching fish & wildlife, listening & feedback sessions, state collaboration

Why Should I Care?
PFAS persist in the environment and the human body for long periods of time. Recent findings indicate that exposure to certain PFAS may have harmful health effects in people.

certain types of cancers, thyroid & heart issues, developmental delays, infertility & low birth weight

What You Can Do...
Test Your Water (dnr.wi.gov/wq+177)
Check State Fish Advisories (dnr.wi.gov/wq+176)
Learn More About PFAS Health Risks (dnr.wi.gov/wq+175)

Visit dnr.wi.gov, search PFAS.

Learn more about PFAS from the WDNR here:
[PFAS | Wisconsin DNR](#)



Facility Plan



Facility Plan

Comprehensive look at liquids process needs at NEW Water's Green Bay Facility (GBF) and De Pere Facility (DPF)

Main conclusions:

- Most cost effective and advantageous to maintain De Pere Facility
- Need to invest \$245 million - \$370 million over the next 20 years in facilities
- Need to invest \$65 million - \$100 million over the next 20 years in interceptors
- *Projected to increase revenues approximately 5.5% - 7% each year for 10 years to fund critical capital needs, operations, and maintenance*



Facility Plan

- Adopted by NEW Water Commission – July 20, 2022
- Submitted to WDNR – August 15, 2022
- Received WDNR Questions – March 27, 2023

- In process of responding to WDNR questions
- Extended WDNR schedule has led to delayed start of projects

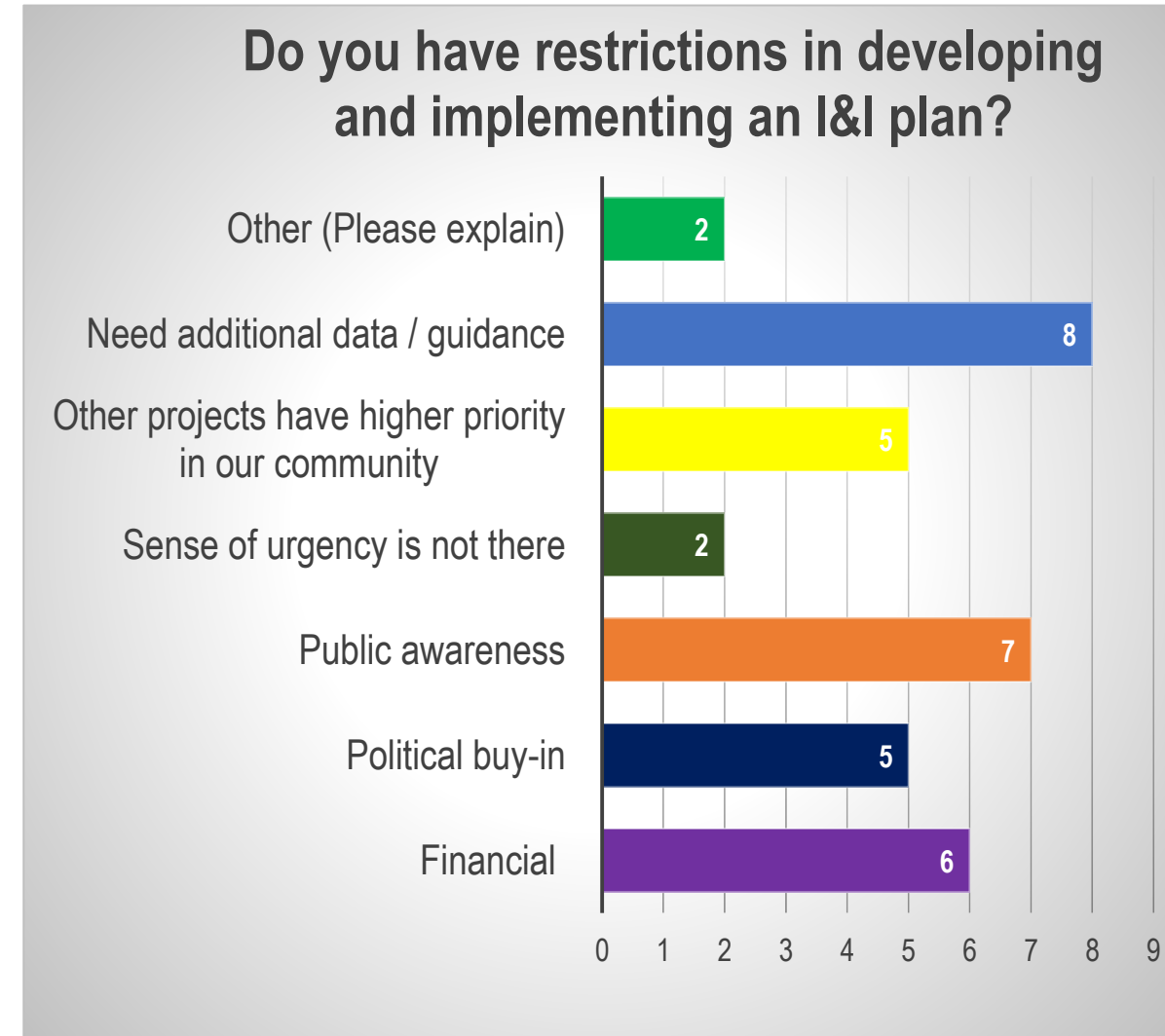
- Status of identified active projects:
 - GBF North Plant Clarifier Rehabilitation: design complete, awaiting WDNR review
 - GBF Thickening Improvements: design underway
 - DPF Pumping & Headworks Improvements: design underway



Regional Inflow & Infiltration (I&I) Reduction Program

Elements of the Regional I&I Reduction Program

- Educational Assistance
 - Public outreach and education
 - Marketing
- Technical Assistance
 - Flow monitoring
 - Design standards and approaches
- Financial Assistance
 - Extent NEW Water will be paying for activities
- Flow Limits
 - Setting limits and identifying excess flow
- Compliance
 - Reducing flows that exceed limits



Implementation Timeline and Anticipated Costs

	2023	2024	2025	2026	2027	2028	2029
Task Name	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7
Program Formation Activities							
Collection Systems Model Update							
Refine I&I Program							
Define Level of Service							
Identify Areas with Excessive I&I							
Capacity and Financial Impact Evaluation							
Regional I&I Program Guidance							
Flow Monitoring Plan							
Financial Support Plan							
Education Materials Development							
Sewer Use Ordinance Change							
Technical Guidance Development							
Subtotal	\$202,000	\$70,000	\$65,000	\$105,000	\$85,000	\$0	\$0
Annual Program Activities							
Municipal Customer Outreach							
District Program Management							
Monitoring Program Implementation							
Technical and Educational Support							
Analysis of I&I Conditions							
Compliance Communication							
Subtotal	\$30,000	\$245,000	\$245,000	\$245,000	\$270,000	\$300,000	\$300,000
Financial Support to Municipal Customers						To be determined	
TOTALS	\$232,000	\$315,000	\$310,000	\$350,000	\$355,000	\$300,000	\$300,000

2023 Implementation Activities

Includes:

- Refining I&I Program
- Defining Level of Service
- Performing Capacity and Financial Impact Evaluation
- Developing Flow Monitoring Plan
- Technical Advisory Committee Meetings



A vertical photograph on the left side of the slide shows a water treatment facility at sunset. The sky is a mix of orange, pink, and blue. In the foreground, there are large, cylindrical water storage tanks. One tank has the text "NEW WATER" and a logo. In the background, there are several rectangular basins and buildings, likely part of the water treatment plant.

I&I Reduction Program

Technical Advisory Committee – 2023

- Invitation to municipal customers to join
- Planning on 4 meetings in 2023
- Likely to extend past 2023
- Contact Nathan Qualls if interested in joining

Existing Technical Advisory Committee:

City of Green Bay

City of De Pere

Village of Allouez

Village of Suamico

Village of Howard

Scott Municipal Utility



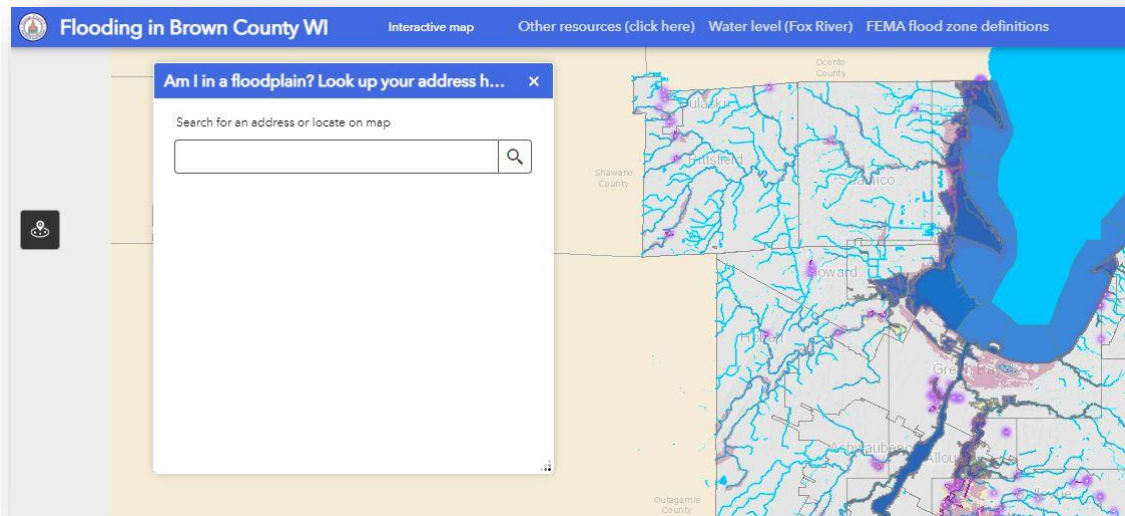
Flooding Preparation

Flooding Preparation: Resources for Your Residents & Families

Brown County website:

[Flooding Preparedness](#)

www.browncountywi.gov/community/flooding-in-brown-county/general-information/



Check out NEW Water's video:
["Love Your Pipes with a Backflow Preventer"](#)

Download & use Public Service Announcements
(PSAs) for your community to ["Love Their Pipes!"](#)



*Thank you for partnering to
protect our most valuable
resource, water*

Stay tuned to NEW Water news

Sign up for our E-newsletter, follow us on social media, get in touch

www.newwater.us



NEW Water
The brand of the Green Bay
Metropolitan Sewerage District

The logo graphic for NEW Water, featuring three stylized blue waves.