



NEW Water Updates

Municipal & Industrial Partner Meeting

March 24, 2025



Today's Agenda

- Welcome / Updates – Nathan Qualls, P.E., Executive Director
- Strategic Financial Planning – Beth Clausen, Business Services Director
- CIP / Project Updates; I&I Program Updates – Lisa Sarau, Technical Services Director
- PFAS Update – Sharon Thieszen, Field Services Manager

Executive Director Updates

- **Capital Charge True-Up: Reminder**
 - Your invoices should reflect that
 - 2025 data sent mid-year
- **Wisconsin's Clean Water Fund issue**
 - Source of funding for water/wastewater projects, which offsets costs for you
 - Insufficient funds in 2024 – for first time in history
 - State lobbying effort underway to increase bonding authority of Wisconsin DNR
 - *Want to help? A template letter will be shared for your use*
- **Federal funding landscape & challenges**
 - NEW Water is monitoring this evolving issue
 - Impact of tariffs on construction costs
 - US Forest Service grant example
 - *Adaptive Management Partnerships*
 - *(ie federal staff impacted)*

NEW Water Cost for a Typical Household: 2025 Budget



*For the draft 2025 budget, a typical household will pay **about \$27 per month** for NEW Water services*. This is an increase of about **\$1.15 per month** over the 2024 budget.*

*NEW Water provides continuous service throughout the year as a wholesale provider, servicing 15 municipal customers. Rates are the same for each municipal customer and NEW Water does not bill residents directly. Each municipality calculates their bills according to wastewater services they require of their residents, businesses, and industries. Bills from municipalities will also include other costs such as the municipalities' cost to operate and maintain their neighborhood sewer system, which then connects to the NEW Water system.

Strategic Financial Planning

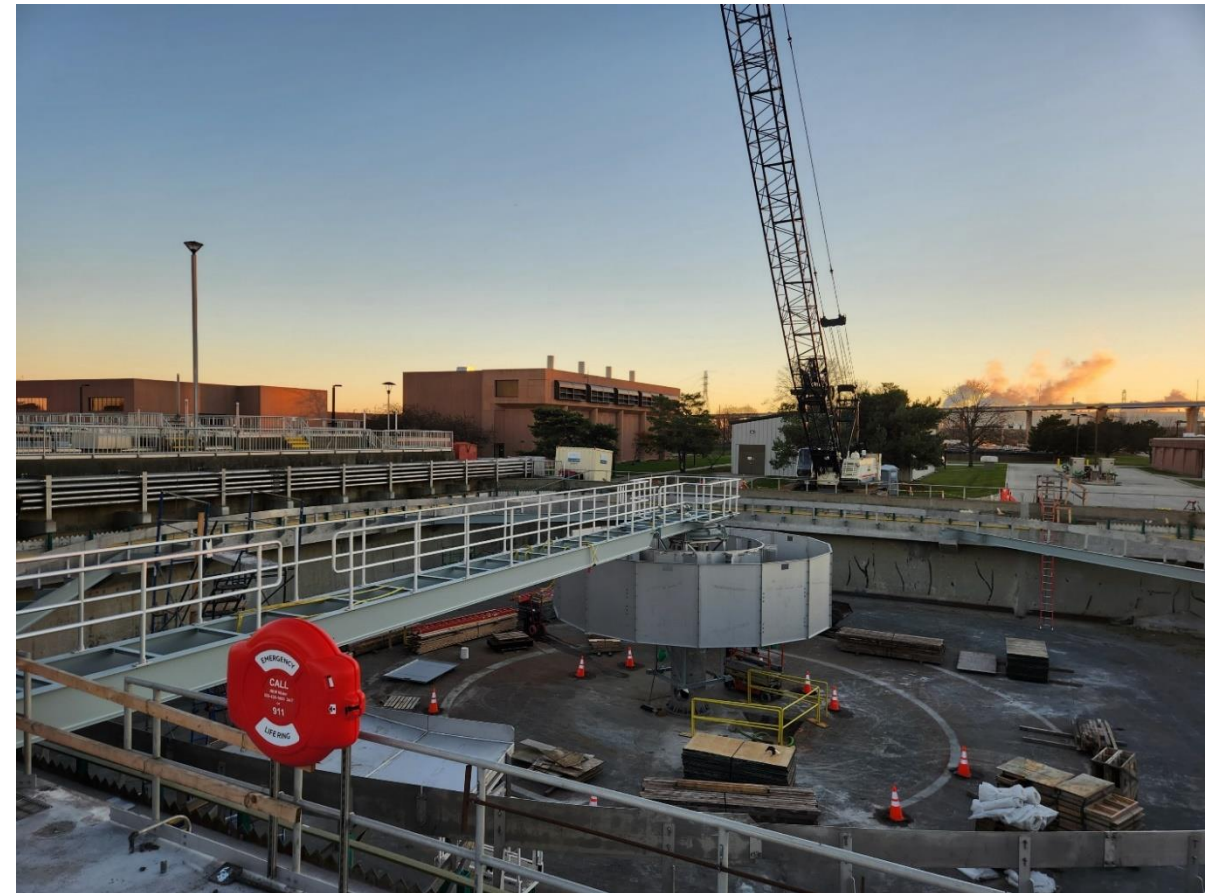


- Projected to increase revenues 5.5%-7% each year to fund critical capital needs, operations, and maintenance
- Mitigation measures to stay within 5.5%-7% increase: Cost-effective project implementations; evaluation of reserves

CIP / Project Updates – Current

GBF North Plant Clarifier Rehabilitation

- (4) Primary Clarifiers
- (8) Final Clarifiers
- Existing equipment in service continuously since 1975
- Experiencing drive failures, thinning metal in rake mechanism, floating weir troughs
- \$41M capital costs
- Status – (1) of each clarifier has been completed



CIP / Project Updates – Current

GBF Thickening Improvement Project

- Gravity Belt Thickener Replacement
- Rehabilitation of (4) gravity thickeners
- \$27.5M capital cost
- Status – Construction has started, but equipment likely will not be on-site until mid-2025



CIP / Project Updates – Coming Soon

East River Interceptor Renewal Project and Downtown Interceptor Renewal Project

- Existing interceptor pipes have been in service since the 1930s
- Deterioration of concrete pipe and manholes
- Opportunity to significantly extend the service life of this infrastructure
- \$31M capital cost
- Status – construction planning to start after the 2025 NFL Draft



CIP / Project Updates

Project	Capital Estimate	Status
GBF North Plant Clarifier Rehabilitation	\$41M	Under Construction
GBF Thickening Improvements	\$27.5M	Under Construction
ERI / Downtown Interceptor Renewal	\$31M	Construction Starting Soom
DPF Pumping & Headworks Phase 1 – Equipment Procurement	\$2.5M	Approved Submittals
DPF Pumping & Headworks Phase 2	\$15M - \$20M	Bidding phase
GBF Pumping & Headworks	\$43M - \$64M	Design
East River Lift Station & Force Main	\$10M to \$12M	Design



I&I Program Update

Phase 2

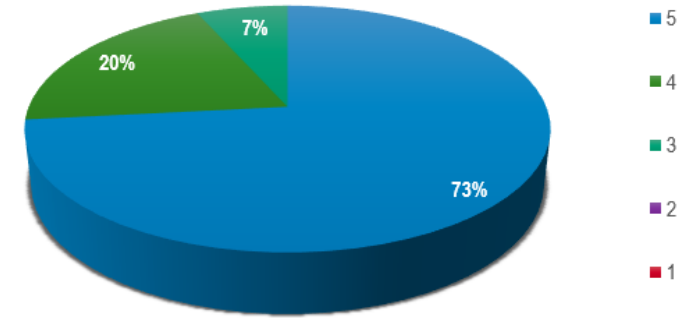
- Draft Ordinance Language
 - NEW Water use
 - General language for municipal customer use
- Technical Assistance
- Educational Assistance
- Technical Advisory Committee Meetings (3)

I&I Program Update

Local I&I Reduction Workshop

- Held December 10, 2024
- Goal – Convene an interactive session with NEW Water and municipal partners to exchange information and best practices to reduce I&I
- Thank you to speakers
 - Village of Allouez
 - City of De Pere
 - Village of Howard
 - City of Green Bay
- PDHs and CEU to interested participants
- 27 Attendees
- Survey
- Planning for 2025 event

On a scale of 1-5, with 5 being the highest, how useful did you find this workshop?





PFAS Update – 2024 Annual Summary

What are PFAS?

PFAS, or per- and polyfluoroalkyl substances, are a group of human-made compounds that don't break down easily in nature. They're ubiquitous, present in a variety of products, including cookware, firefighting foam, and stain-resistant clothing. They have been linked to low birth weight, cancer, and liver disease, and have been shown to reduce vaccines' effectiveness.



Industrial, commercial, and domestic wastewater may contain PFAS, ranging from trace to higher concentrations. Wastewater treatment plants, such as NEW Water, were not traditionally designed to remove PFAS from wastewater.



PFAS: Regulatory Status

- Currently, PFAS sampling is voluntary for NEW Water.
- EPA is planning a POTW Influent Study, which would likely require POTWs, including NEW Water, to collect limited PFAS samples from influent, effluent, biosolids, and industries.
 - *Study currently on hold*
- NEW Water's future WPDES permit will require sampling, which will inform the need for a Pollution Minimization Plan and permit limits.
- In August 2022, surface water standards for PFOA and PFOS went into effect in Wisconsin.



PFAS: 2024 Monitoring Plan

- GBF and DPF untreated and treated
- Major service area contribution locations
- Residential / commercial background locations
- Industries that are known or suspected PFAS sources based on:
 - NEW Water survey results
 - General industry knowledge
 - EPA and WDNR guidance

Sampling frequency: 2X or 4X per year, depending on location.

2023 & 2024 Green Bay Facility Results

Green Bay Facility						
Parameter	2023 Untreated Average	2023 Treated Average	2024 Untreated Average	2024 Treated Average	WDNR Surface Water Criteria* <i>Public Water Supply</i>	WDNR Surface Water Criteria* <i>Other Surface Water</i>
PFOA (ppt)	11	12	<14	16	20	95
PFOS (ppt)	16	11	<12	10	8	8

Notes:

Results in parts per trillion (ppt)

Analytical Methods Used:

- 2023 samples were analyzed using Environmental Protection Agency (EPA) Method 537 (modified)*
- 2024 samples were analyzed using EPA Method 1633.*

**NEW Water is not currently subject to PFAS surface water criteria.*

2023 & 2024 De Pere Facility Results

De Pere Facility						
Parameter	2023 Untreated Average	2023 Treated Average	2024 Untreated Average	2024 Treated Average	WDR Surface Water Criteria* <i>Public Water Supply</i>	WDR Surface Water Criteria* <i>Other Surface Water</i>
PFOA (ppt)	6.7	11	9.5	15	20	95
PFOS (ppt)	20	8.6	22	10	8	8

Notes:

Results in parts per trillion (ppt)

Analytical Methods Used:

- 2023 samples were analyzed using Environmental Protection Agency (EPA) Method 537 (modified)*
- 2024 samples were analyzed using EPA Method 1633.*

**NEW Water is not currently subject to PFAS surface water criteria.*

2024 Collection System Results

Collection System								
Parameter	2024 Major Sewershed Basins**	2024 Commercial /Residential Areas	Paper Mill Industry	Metal Finishing Industry	Car Wash Product Manufacturers (soap and wax)	Industrial Laundry	Textile Industry	Landfills
PFOA (ppt)	<0.47 - 89	<2.5 – 7.6	5.1 - 170	0.96 – 8.7	1.5 - 15	2.4 - 11	1.4 – 4.1	697 - 1200
PFOS (ppt)	<2.5 - 220	<0.48 - 16	<0.39 - 30	<0.35 - 1200	<0.38 - 6700	0.91 - 50	<0.37 – 4.5	140 - 1050

Notes:

The Collection System data shown in the table represent the min & max concentrations for each category.

Results in parts per trillion (ppt)

Analytical Methods Used:

- 2024 samples were analyzed using EPA Method 1633.*
- Landfill data are from samples collected from 2021 – 2024; samples were analyzed by EPA Method 537 (modified) and EPA Method 1633.*

***Sewershed basins includes major service area contribution locations (major interceptors).*



Next Steps

- Share 2024 results summary on NEW Water's website
 - *Posted here:* <https://www.newwater.us/pfas>
- Execute 2025 monitoring plan
- Continue to partner with industries on pollution prevention strategies
- Continue to monitor and participate in regulatory and legislative efforts
- Continue to focus on PFAS source identification and reduction including within its own utility, supply chain, and other potential uses.
- Communicate updates and information with NEW Water's partners and audiences

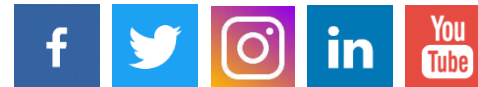


*Thank you for partnering to
protect our most valuable
resource, water*

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 