



Municipal Customer Meeting

Via Zoom

September 10, 2020



Welcome & Agenda

- **Welcome & NEW Water updates** – Tom Sigmund, Executive Director
 - *Topics including: Budget overview, COVID in wastewater study, Adaptive Management and watershed work update, Energy Award*
- **Facilities Plan update** - Nate Qualls, Director of Technical Services
- **Inflow & Infiltration update** - Nate Qualls
- **Billing Program overview** – Sharon Thieszen, Field Services Manager
- **NEW Water “Virtual” presentation in October** – Tricia Garrison, Public Affairs & Education Manager

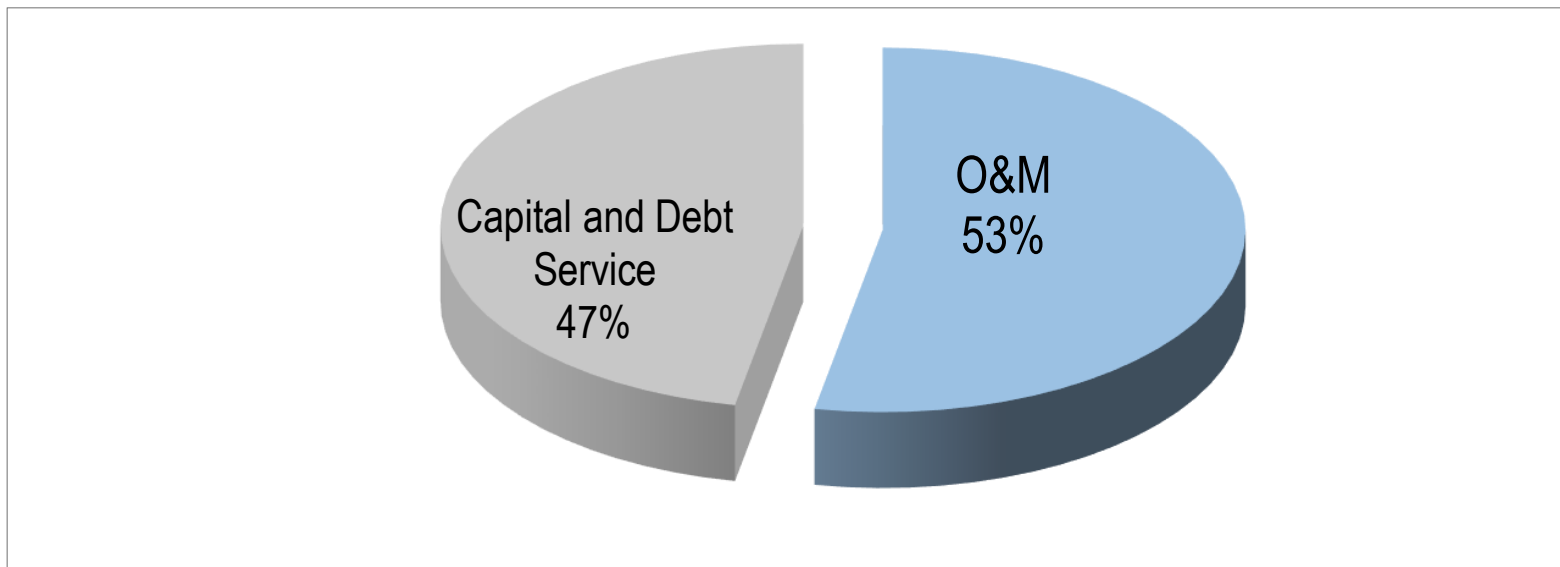


Updates from Executive Director

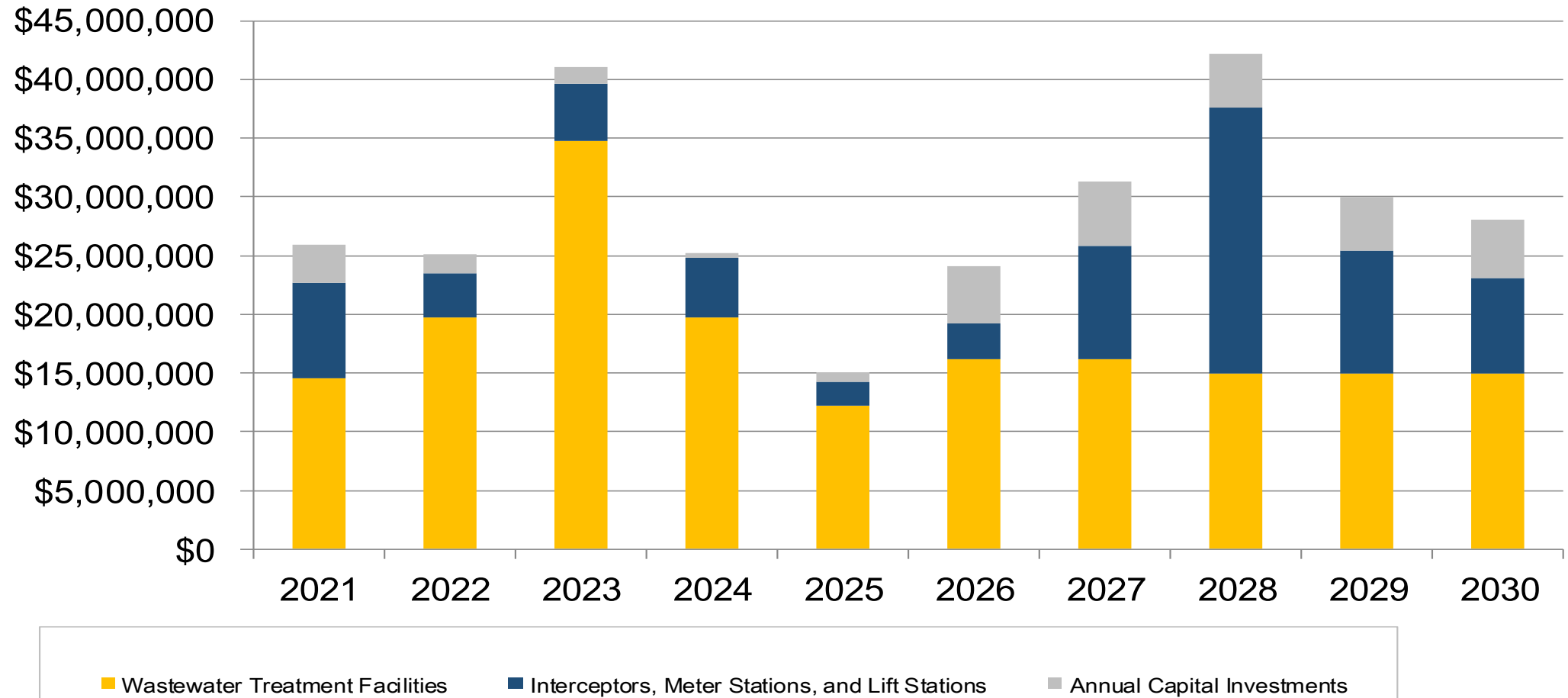
- COVID in wastewater study with UW-Milwaukee
 - *Part of a state-wide effort with [Wisconsin Department of Health Services](#)*
- Adaptive Management update
 - [NEW Watershed Program](#) moving forward in Ashwaubenon & Dutchman Creeks
- Energy Award from U.S. Department of Energy
 - *NEW Water receives [“2020 Goal Achiever”](#) status*

2021 Proposed Expenses

Budget Category	2020 Budget	2021 Budget	% Change
Operations & Maintenance (O&M)	\$22,627,655	\$23,550,411	4.1%
Debt Service and Annual Capital	\$19,019,923	\$20,877,590	9.8%
Total Expenses	\$41,647,578	\$44,428,001	6.7%



Proposed Long-Term Capital Projects



Municipal Rate Comparison

Parameter	2020	2021	% Change
Volume (1,000 gals)	\$0.8772	\$0.8995	3.1%
Biochemical Oxygen Demand (lbs)	\$0.5778	\$0.5638	-2.4%
Suspended Solids (lbs)	\$0.5294	\$0.5437	2.7%
Phosphorus (lbs)	\$1.1804	\$1.2769	8.2%
Total Kjeldahl Nitrogen (lbs)	\$1.0291	\$1.0883	5.8%

Note: Rates shown above are for comparison only and include allocation of \$12,362,950 fixed charge for 2020 and \$13,895,434 fixed charge for 2021. Parameter rates billed to customers do not include separately billed fixed charge.

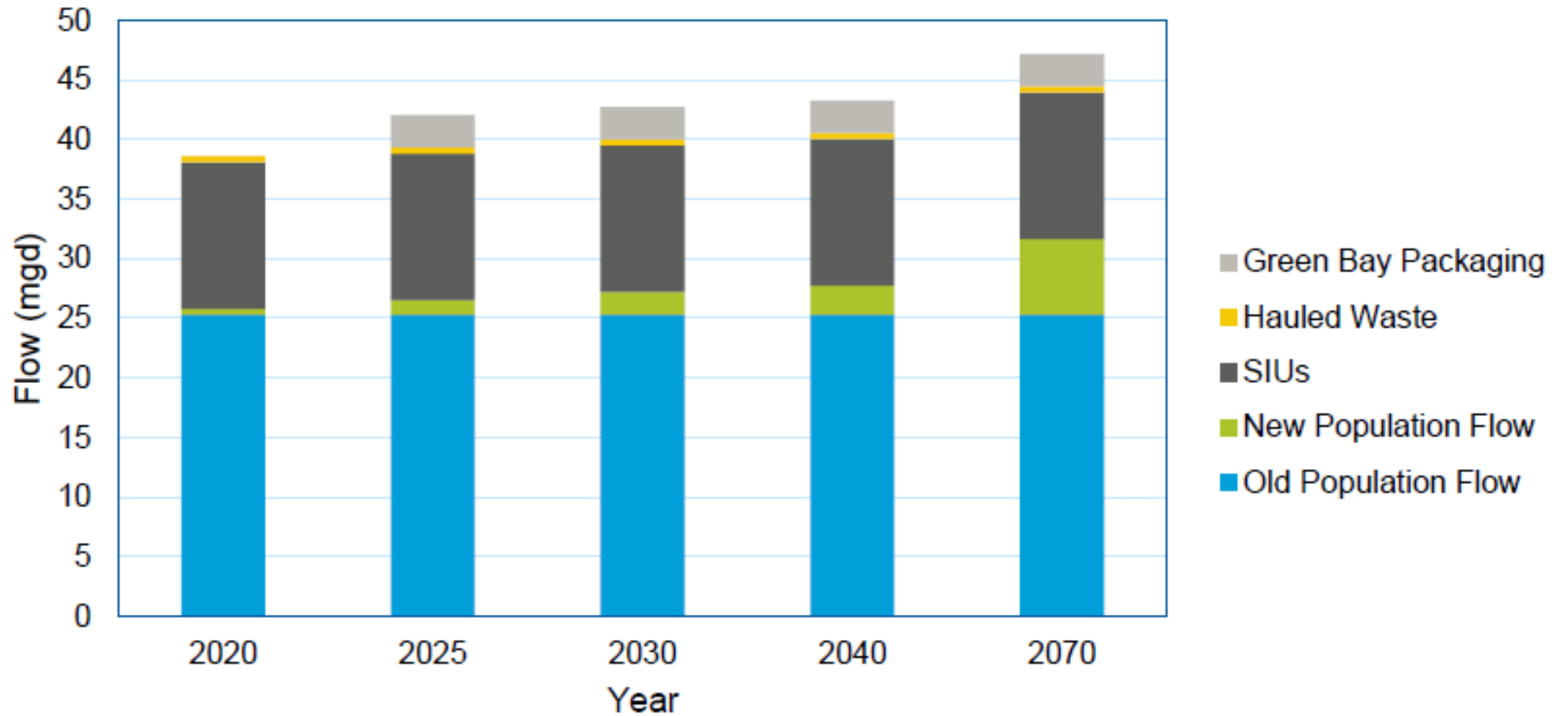


Facilities Plan Update

- *Comprehensive look at liquids process needs at NEW Water facilities*
- Plan will help inform and prioritize NEW Water's capital projects through:
 - Understanding future flows and loads
 - Evaluating condition, performance and capacity gaps
 - Understanding regulatory drivers
 - Developing and evaluating infrastructure packages
- Focus of recent work
 - Infrastructure Gap Analysis (capacity, condition)
 - De Pere Facility vision
 - Initial infrastructure improvement packages

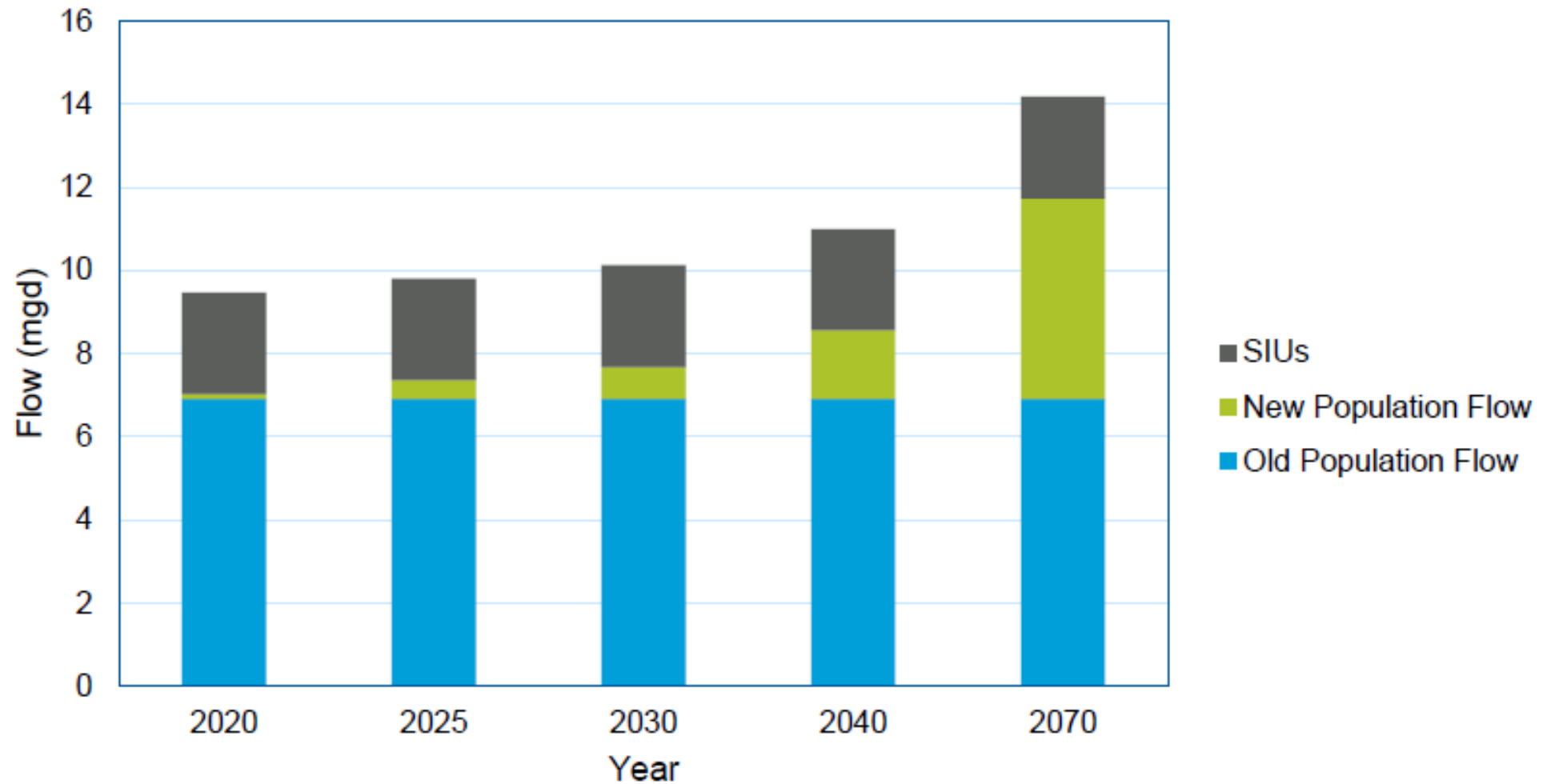
Facilities Plan Update

GBF Future Average Flows



Facilities Plan Update

DPF Future Average Flows



Facilities Plan Update

DPF Future Vision

- Evaluate continuing the two wastewater treatment facilities or consolidate to one facility
- Managing peak flow rates at one facility requires significant capital investment

Framing the Discussion: Preliminary De Pere Facility Evaluation Results

- Alternative 1: Simplify and expand DPF
- Alternative 2: DP pump station



Inflow & Infiltration

Draft findings from Technical Memorandum 2.1 Flows and Loads:

Facility	Infiltration	Inflow
De Pere Facility	119 gpcd	547 gpcd
Green Bay Facility	137 gpcd	473 gpcd
“Excessive” Standard	120 gpcd	275 gpcd



Inflow & Infiltration

Draft language from Technical Memorandum 4.4 De Pere Facility Long Term Vision:

In general, the De Pere Facility presents wet weather capacity limitations for almost every major unit process, as well as options and maintenance gaps and condition gaps. The Green Bay Facility presents wet weather capacity gaps at the influent and effluent structures, but in general investment would be limited to condition-based improvements at the Green Bay Facility for current flow projections.

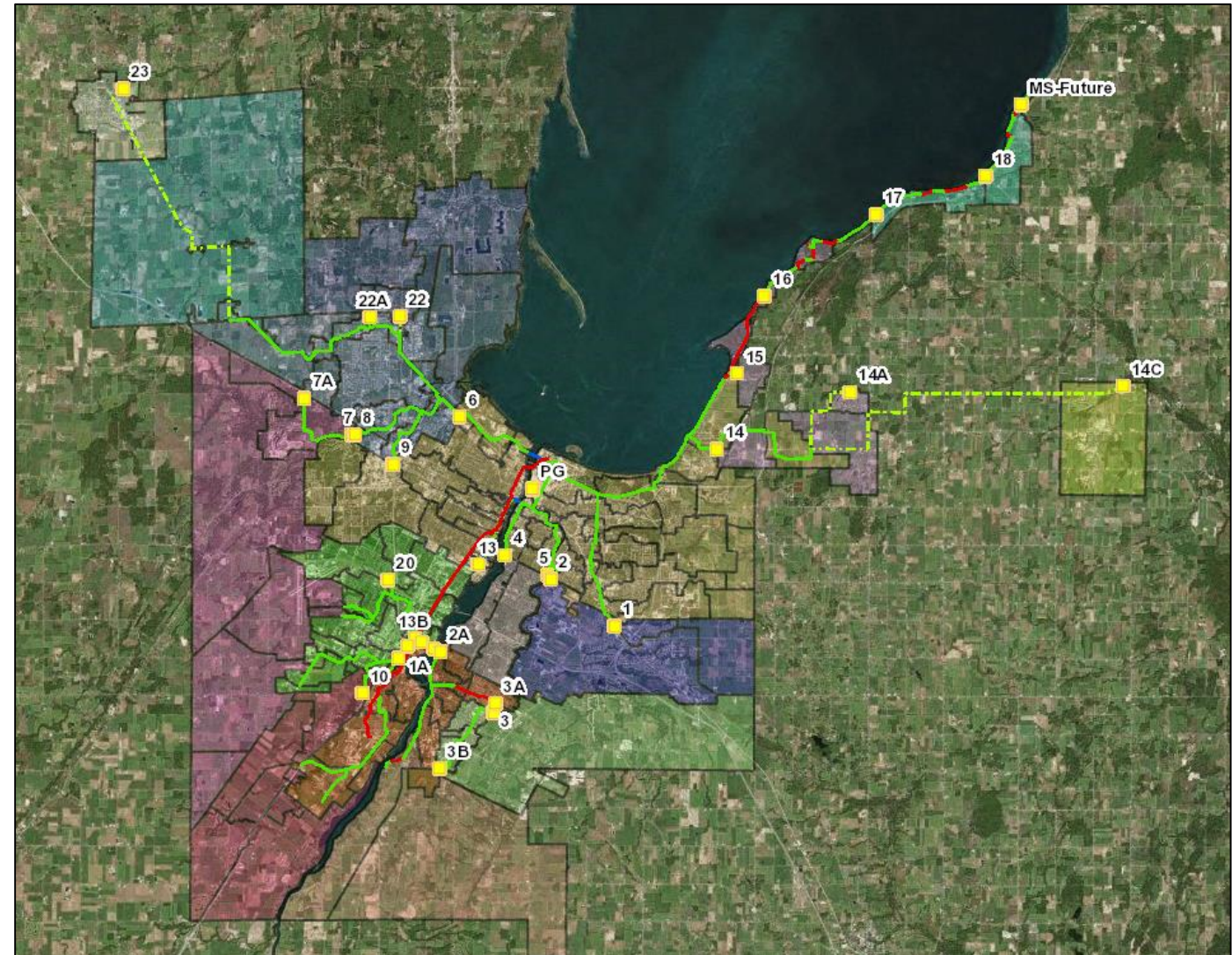


Inflow & Infiltration

- Regional I&I Reduction Program Development
 - Request for Proposals sent to consultants in late July
 - Received two proposals
 - Planning for award at October Commission meeting
- Wet weather flow response data consolidation
- Webpage for I&I information under development
- Continuing to work with I&I Stakeholder Advisory Group

Billing Program Overview

- Monitoring
 - Meter Stations
 - Continuous Flow Monitoring
 - Sampling – 1 week/month
- Treatment Charges
 - Flow
 - BOD, TSS, TP, TKN
- Monthly Invoice
 - Actuals vs Invoiced
- Fixed Charge





October NEW Water “Virtual” Presentation

- *“Imagine a Day Without Water” in October*
- *Presentation topics to include study on cyanotoxins, and work in watershed*
- *Watch for the invite!*



Thank you!

Stay tuned to NEW Water news

