



Welcome

**Commission Meeting
January 29, 2026**

Madison Metropolitan
Sewerage District



Welcome

Justin Boyd

Facilities Maintenance Worker

Madison Metropolitan
Sewerage District



Welcome

Nathan Wicklund

Facilities Maintenance Trainee

Madison Metropolitan
Sewerage District



Welcome

Krystal Clark

Asset Information Specialist

Madison Metropolitan
Sewerage District





District Strategic Plan KPIs

Madison Metropolitan
Sewerage District

Presented by Seth McClure, Strategic Initiatives Officer

DISTRICT STRATEGIC PLAN

PURPOSE

Protect public health, welfare and the environment by providing efficient and strong wastewater management services to our customers.

MISSION

Protect public health and the environment.

VALUES

- Service
- Reliability
- Sustainability

VISION

Striving for operational excellence and infrastructure renewal to support the needs of the communities and local businesses we serve.

PERFORMANCE AREAS & INDICATORS

| FINANCIAL CAPACITY & RESILIENCE | INFRASTRUCTURE RELIABILITY | PUBLIC TRUST | REGULATORY COMPLIANCE |
|---|--|--|--|
| <p>As a central provider of wastewater services, we must be able to meet our customers' needs for financial and operating performance.</p> <p>For the District, this means having adequate financial resources to fund the investments needed to maintain and improve our infrastructure and services, ensuring reliable service for decades to come.</p> | <p>To achieve our strategic goals, we must have the ability to ensure physical and technological infrastructure is ready for the future, that it will perform at a high level of service.</p> <p>For the District, this means investing in ongoing and ongoing physical and technological infrastructure to guarantee the performance of critical assets, ensuring financial and operational resources are available to meet future needs and replacement demands.</p> | <p>As a local public utility, we must have the trust of our customers and the community. This trust is essential to our operations and organizational effectiveness.</p> <p>For the District, this means providing excellent service and holding ourselves accountable through customer-focused actions, transparent communications, management of high quality and efficient programs, and consistent and dependable service.</p> | <p>To fulfill our mission to protect public health and the environment, we must comply with applicable state, federal, and regulatory requirements.</p> <p>For the District, this means maintaining and exceeding performance against regulatory requirements, ensuring compliance with a low risk of future violations, maintaining effective working relationships with regulators, and working with those regulators to ensure compliance with regulatory requirements.</p> |
| <p>INDICATORS</p> <ul style="list-style-type: none"> • Annual Return on Investment • Operating Reserve Ratio • Debt Service Coverage Ratio | <p>INDICATORS</p> <ul style="list-style-type: none"> • Annual Maintenance • Asset Reliability • Critical IT/OT System Availability | <p>INDICATORS</p> <ul style="list-style-type: none"> • Customer Satisfaction • Employee Satisfaction • Employee Turnover • Service Complaints | <p>INDICATORS</p> <ul style="list-style-type: none"> • Annual Compliance • Annual Sanctions • Performance Rating |

THREE-YEAR PLAN

The Three-Year Plan prioritizes the major short- and near-term projects and programs that we must focus on to support the District's vision and the performance areas and their indicators.

DISTRICT MANAGEMENT PLAN

The District Management Plan outlines how staff are aligned to the rest of the vision/strategic plans. It includes at least two things:

1. Workplans for each department and for each division, and
2. Schedule of joint management meetings to ensure progress and accountability on both the Three-Year Plan and division workplans.

Agenda

1. Introduction to Strategic Plan
2. Process for KPI Selection
3. Performance Area Overview
4. KPIs
 1. Infrastructure Reliability (today)
 2. Public Trust (upcoming)
 3. Regulatory Compliance (upcoming)
5. Questions

Reminder: Financial Capacity & Resilience reviewed at 1/15/2026 meeting

Introduction

The strategic plan connects the Commission's vision and policy directions to specific, measurable objectives.

How does the Commission want to use the Strategic Plan?



Key Performance Indicator (KPI) Selection

- Used Performance Areas from previous draft of the strategic plan
- Facilitated process with District Management Team (DMT)
- Began with a large list of Industry Standard KPIs
- Indicators were vetted by DMT based on:
 - Utility: Would this KPI provide useful information?
 - Cost: How difficult would it be to gather data?
 - Clarity: Would the KPI be a useful communication tool?





Performance Area: Infrastructure Reliability

District requires physical and technological infrastructure that must perform at a high level.

Critical assets cannot fail faster than financial resources and maintenance capabilities can repair or replace them.





Infrastructure Reliability: Key Performance Indicators

KPI 1: Planned Maintenance Measures:

- Percent of scheduled maintenance completed on time
- Planned maintenance hours/total maintenance hours

Rationale: Proactive maintenance prevents failures and extends asset life.



Infrastructure Reliability: Key Performance Indicators

KPI 2: **Asset Condition Index**

Measure: Weighted average condition score across all critical assets (1-5 scale)

Rationale: Provides comprehensive view of overall infrastructure health and deterioration trends





Infrastructure Reliability: Key Performance Indicators

KPI 3: **Critical IT/OT System Availability**

Measure: Availability of critical systems. Still in development.

Rationale: Increasingly important for ERP, EAM, and SCADA systems.



Infrastructure Reliability: Next Steps

KPI 1: Planned Maintenance Measures

- Operations Reliability has developed a robust database as part of the Reliability Centered Maintenance program
- Decide on acceptable range

KPI 2: Asset Condition Index

- Initial set of data needs to be updated (~ 1 year)
- Decide on acceptable range

KPI 3: Critical IT/OT System Availability

- IT has developed an initial dataset
- Decide on acceptable range



Questions?

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Thank you

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Capital Projects Update

January 29, 2026

Lisa Coleman, Engineering Manager

Madison Metropolitan
Sewerage District
Madison Metropolitan
Sewerage District



Preview

2026 CIP

Overview of Projects in Planning/Design/Construction

- 2025: projects completed + bids received
- Project highlights



Planning

Treatment Plant

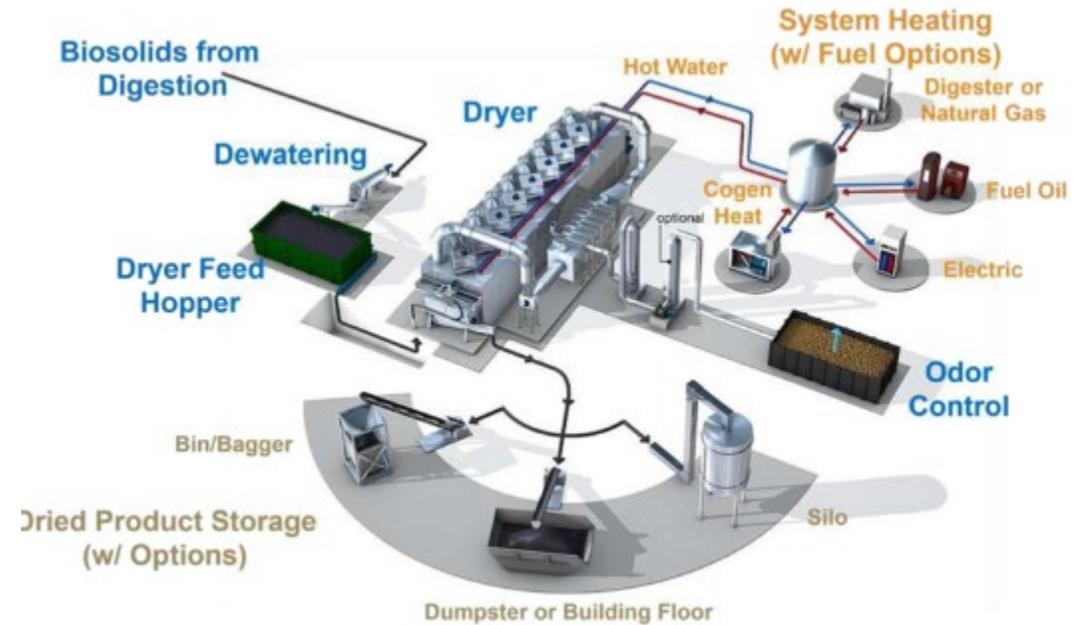
- Laboratory Remodel
- Biosolids Facility Plan

Interceptors

- MH Rehab on Old West Interceptor
- SEI McFarland Relief Rehabilitation

Pumping Stations & Force Mains

- PS 11 and PS 12 Surge Valve Access Platforms



In design

Treatment Plant

- Liquid Processing Phase 2
- Dryer and Seeding Modifications

Interceptors

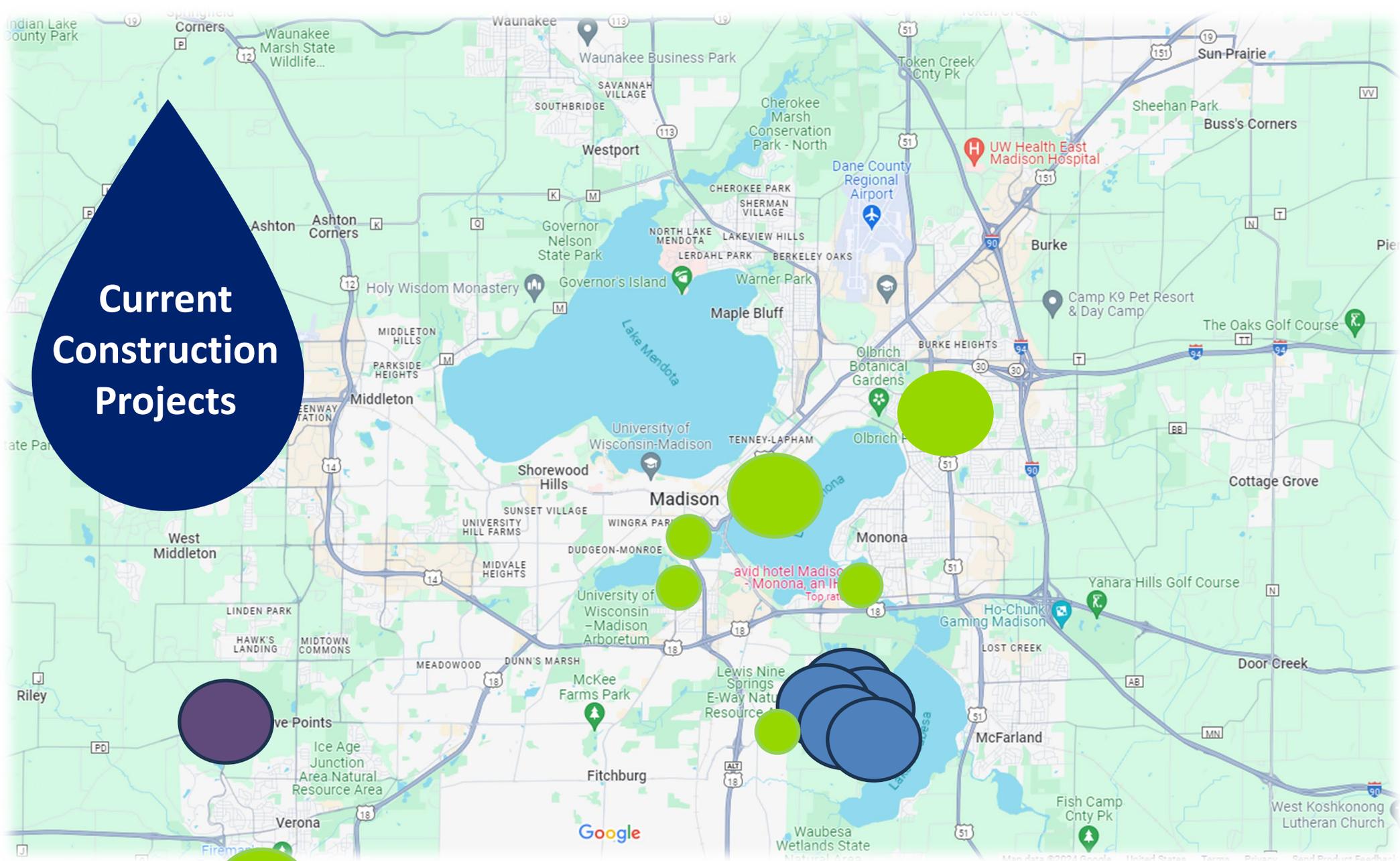
- East Interceptor Rehab PS07 to MH07-103
- Southeast Interceptor Relo at Yahara River
- NEI – Truax Extension Rehab
- NSVI Capacity Improvements (Phase 1)
- NSVI Capacity Improvements (Phase 2)
- West Interceptor Rehab (2 projects)

Pumping Stations & Force Mains

- PS 2 VFD Replacements



Current Construction Projects



Under construction

Treatment Plant

- W4 System Improvements
- *Lagoon Dikes Improvements *bidding*
- Flow Splitter Improvements
- NSWWTPElectrical Service Equipment Repl.
- Sludge Thickeners No. 1 and No. 2 Drive & Mech Repl

Interceptors

- Lower Badger Mill Creek Interceptor – Phase 6

Pumping Stations and Force Mains

- Pumping Station 10 Force Main Repairs/FM Con Asses.
- *Pumping Station Bar Screens *bidding*
- *Cross Town Force Main Air Release Valve Saddle Tap Repl*
- Pumping Station 17 Firm Capacity



Projects completed in 2025

Treatment Plant

- 2021 Treatment Plant HVAC Improvement Project
- Heat and Power Facility Plan (almost)*

Interceptors

- NEI- Waunakee Extension Capacity Improvements (Phase 1) substantially complete*
- Southeast Interceptor Rehab on USH 51 (Ph 1) substantially complete*
- West Interceptor Shorewood Relief Ph 3 – substantially complete
- West Interceptor Rehab - Segoe Road to Shorewood Boulevard

Pumping Stations and Force Mains

- Pumping Station 17 Force Main Relief Ph 2 – substantially complete
- Pumping Station 4 Rehabilitation



2025 Bids

West Interceptor Rehab – Segoe Road to Shorewood Blvd

- Bid Cost \$895,000 (Visu-Sewer)

Lower Badger Mill Creek Interceptor – Phase 6

- Bid Cost \$3,445,000 (Integrity)

Pumping Station 10 Force Main

- Bid Cost \$1,782,500 (Terra)

W4 System Improvements

- Bid Cost \$2,035,870 (JF Ahern)

Sludge Thickeners #1 and #2 Drive Replacement

- Bid Cost \$924,800 (Sabel Mechanical)



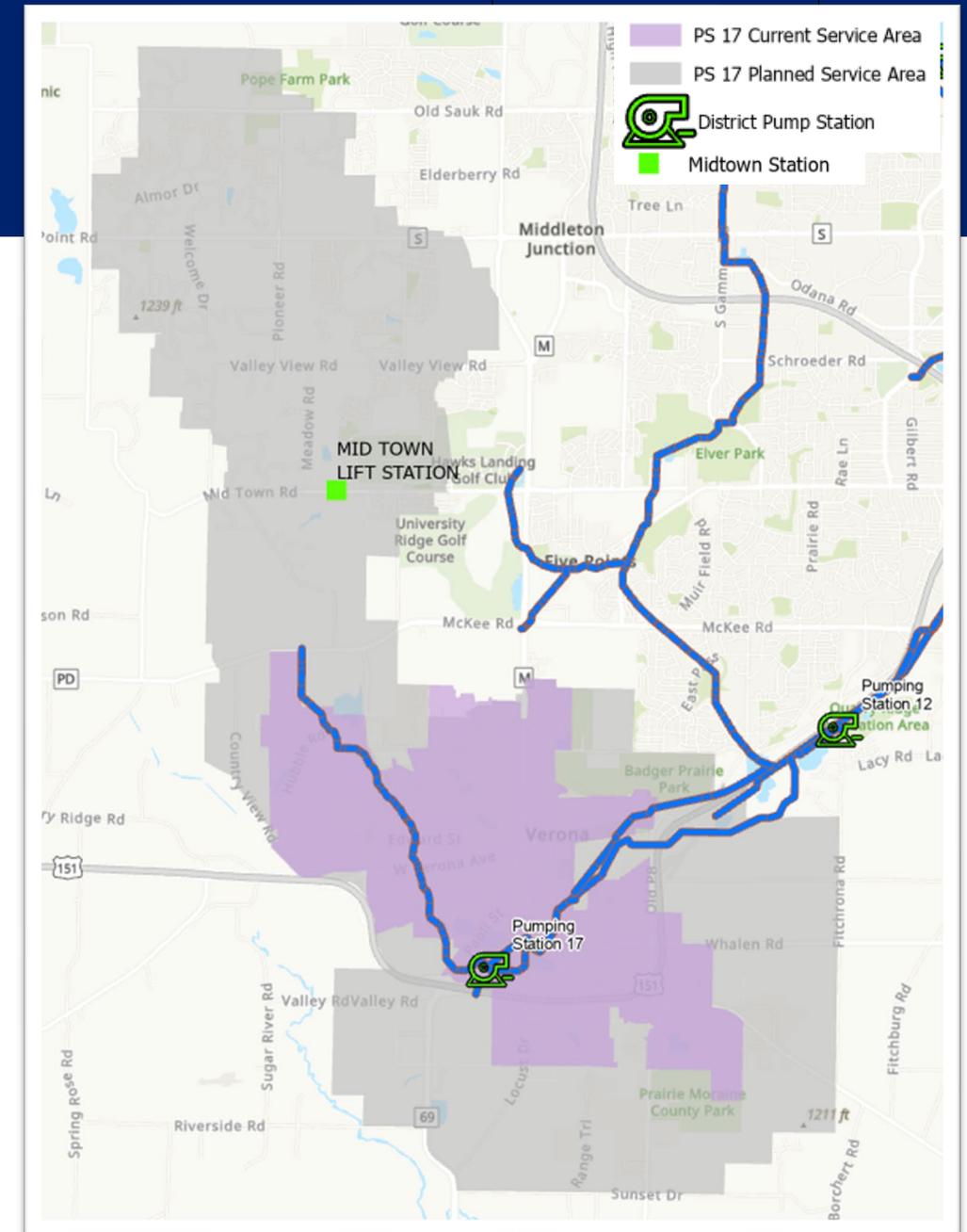


Project Highlights



Pumping Station 17 – Planned projects

- Anticipated future service area shown in gray
- PS 17 Capacity Limitations being addressed by 3 District projects:
 - LBMCI Connection (ongoing)
 - PS 17 (ongoing)
 - PS 17 FM (Done!)

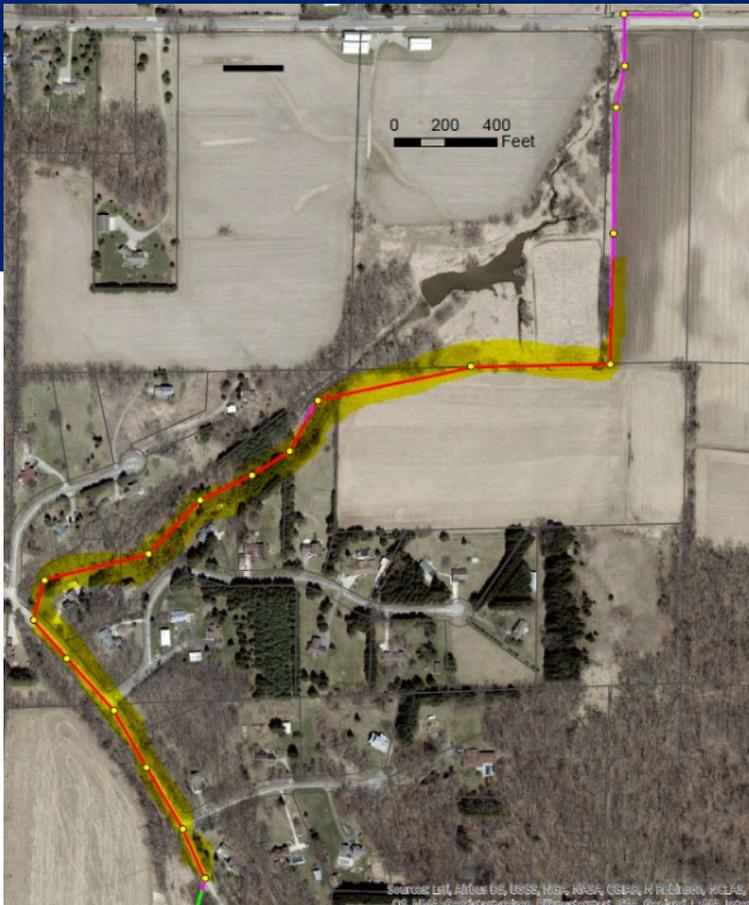


LBMCI-What has already been built?



- Phase 1 – 2006
- Phase 2 – 2008
- Phase 3 – 2014.
- Phase 4 – 2018
- Phase 5 – 2024
- Phase 6 – Shady Oak to Midtown - ongoing the missing link

Lower Badger Mill Creek Interceptor Phase 6



Scope: Interceptor from Shady Oak to Midtown lift station

Schedule and Status

- Began construction April 2025
- Substantial completion expected 6/2026
- Pipe installed south end to ~Midtown currently
- Ongoing legal related to easements, trial dates August, Sept, Oct, Nov 2026

Contractor: Integrity

Budget

Total Project Cost: \$6M

Construction Contract \$3.5M



Pumping Station 17 Firm Capacity Improvements



Scope: Replace pumps, variable frequency drives, motor control centers, grinder, HVAC equipment, flow meter, piping, and valves. Includes large valve vault to connect to the new relief force main.

Schedule and Status

- Construction began April 2024
- Final Completion projected 3rd quarter 2026
- ~70% complete, 1 of the 3 new pumps installed, 2nd pump soon.

Contractor: August Winter and Sons

Budget

Total Project Cost: \$8.1M



Pumping Station Bar Screens



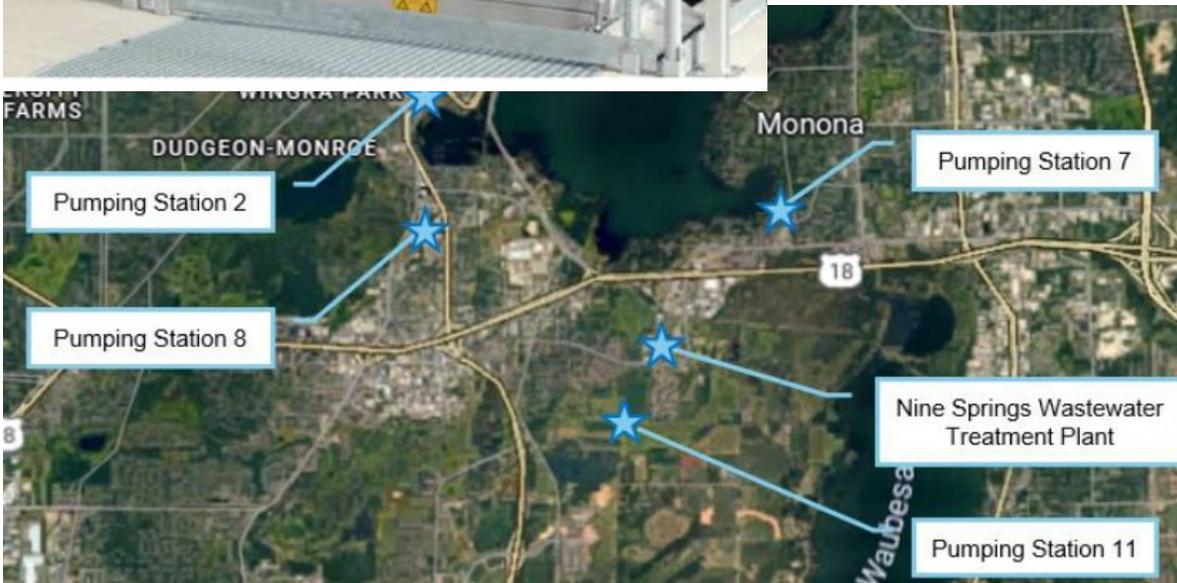
Scope: Install traveling rake screens at pumping Stations 2, 7, 8 and 11 (Stations just upstream of the plant). Purpose is to protect equipment in Headworks. Includes associated screenings compactors, HVAC, electrical and controls, and structural modifications.

Schedule and Status

- Currently bidding, Bid opening 2/12/26
- Approval of bids coming to Commission 2/26/26
- Anticipated Completion in 3rd quarter 2027

Budget

Total Project Cost: \$7.75M



Questions?

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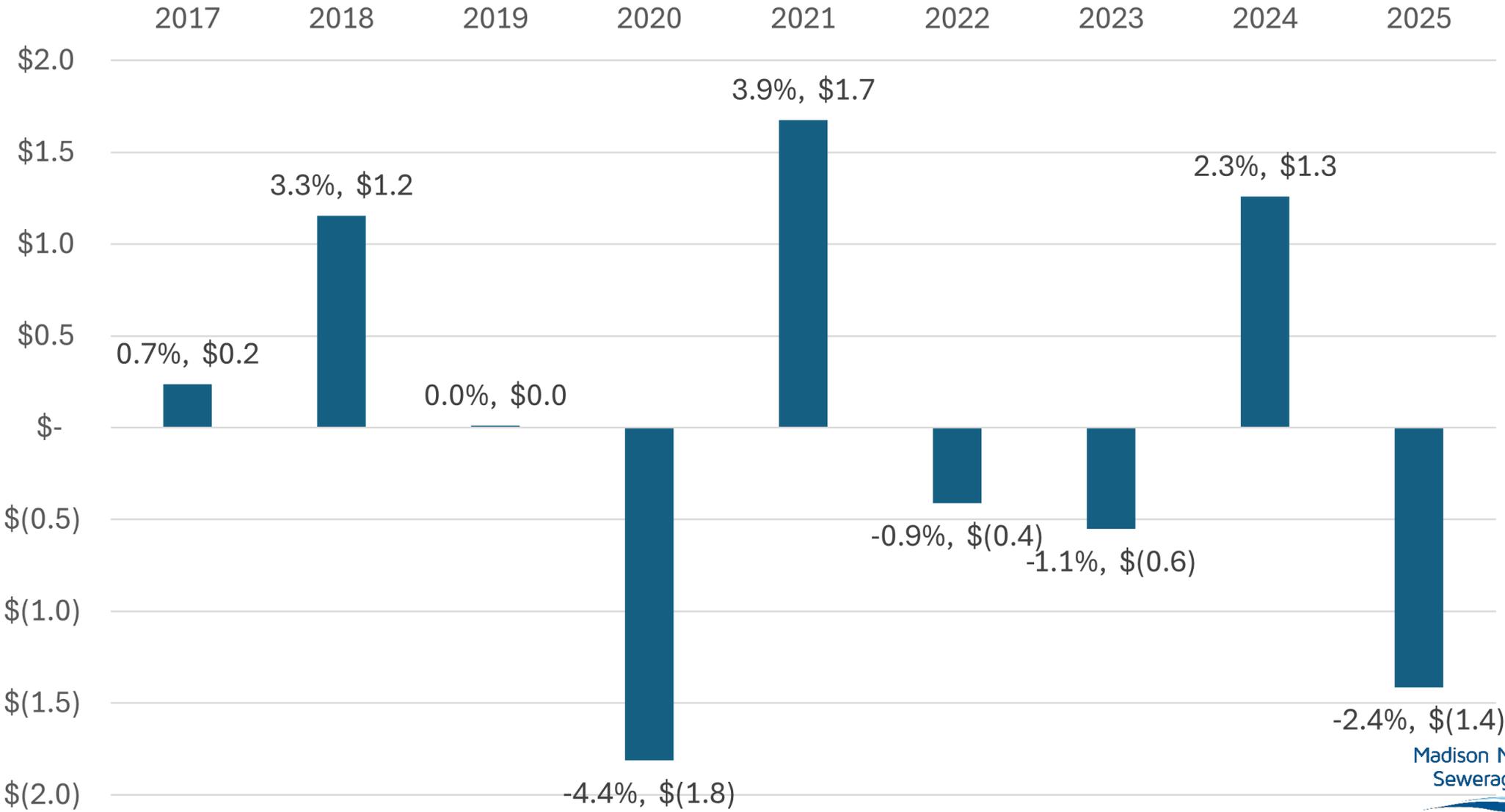


Thank you

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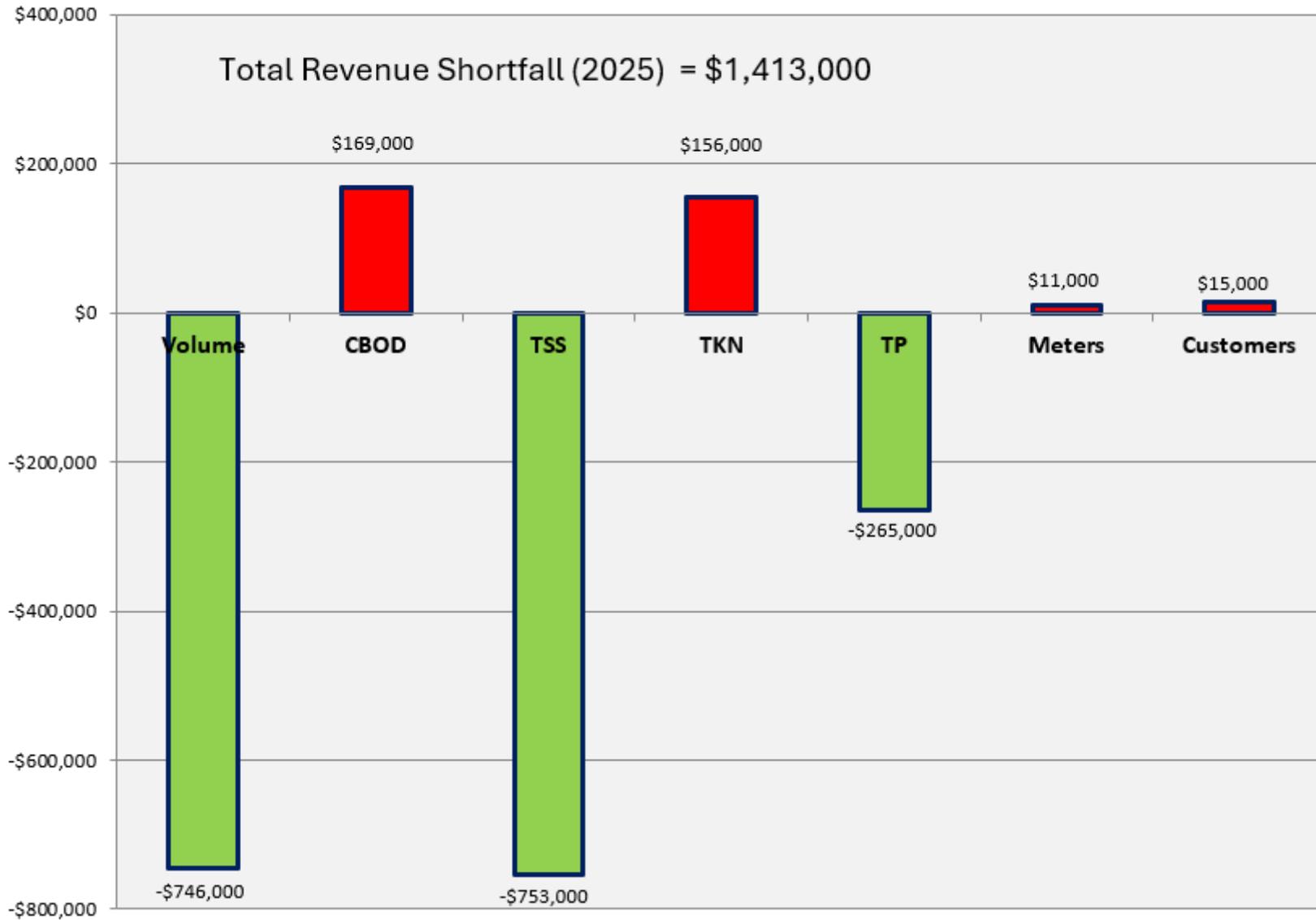


Actual Service Charges vs. Forecast, \$ Millions and Percent of Forecast (average \$0.02 m)



Actual vs Budgeted Revenue by Billing Parameter

2025 YTD

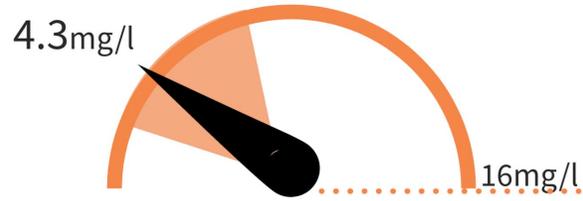




Operations Report

Presented by Alan Grooms

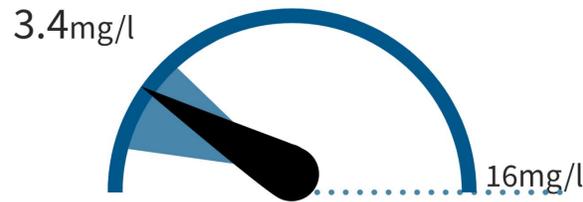




Total Suspended Solids



Ammonia



CBOD5



Chloride

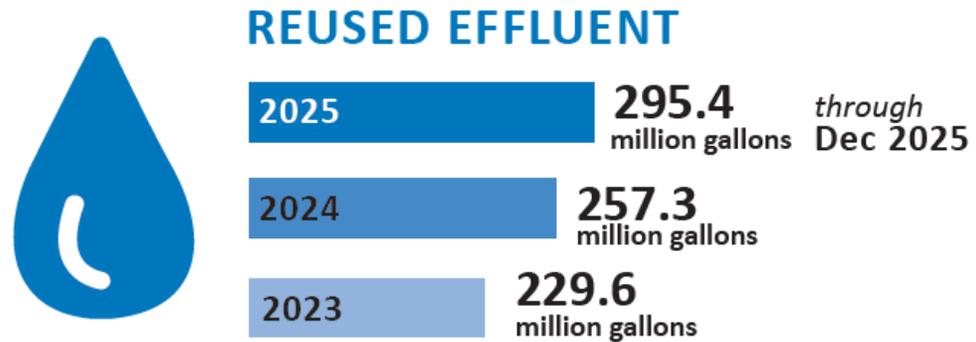
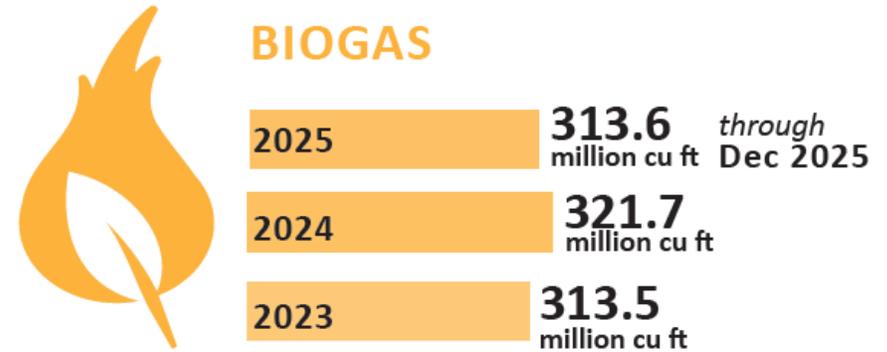
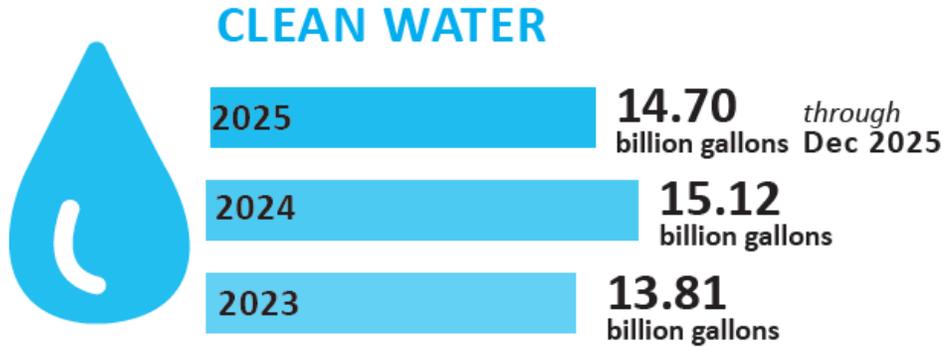


Phosphorus

*6-month average
Nov. 2025 - Present*

Shaded area represents one standard deviation around the 3-year average

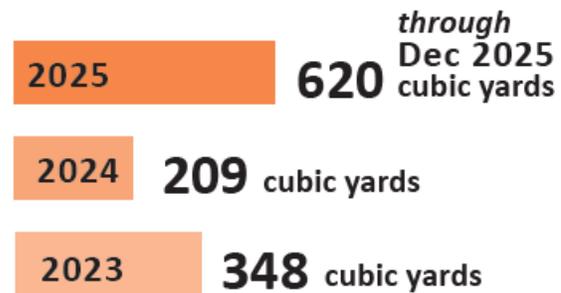
December Plant Performance



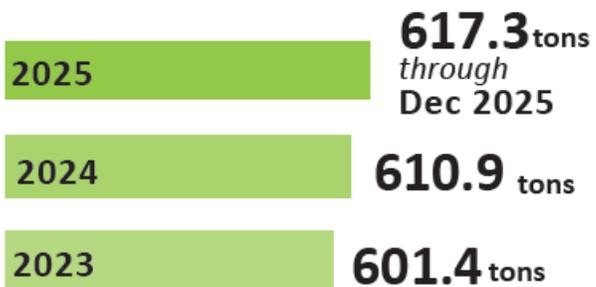
December Plant Performance



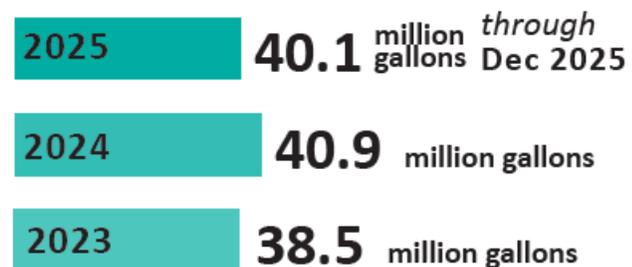
METROGRO CAKE



STRUVITE



METROGRO



December Plant Performance

TFO – December 25, 2025



- **What:** Spill from Digester 9
- **Details:**
 - Operator discovered ~ 9:30am
 - Estimate 500 gallons anaerobic digestate onto ground
 - Contained to site and cleaned up by District staff, no contact with public. Cleaned up completed by 1:30pm same day
 - Hatch seal inspected next day, resealed, resumed filling with no further incident
- **Cause:** Inadequately sealed side hatch

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