



Welcome

**Commission Meeting
January 15, 2026**

Madison Metropolitan
Sewerage District



Welcome

Ana Schult

Industrial Electrician Apprentice

Madison Metropolitan
Sewerage District



Project Update: Overview of Draft WPDES Permit and Re-issuance Process

Commission Meeting
January 15, 2026

Madison Metropolitan
Sewerage District

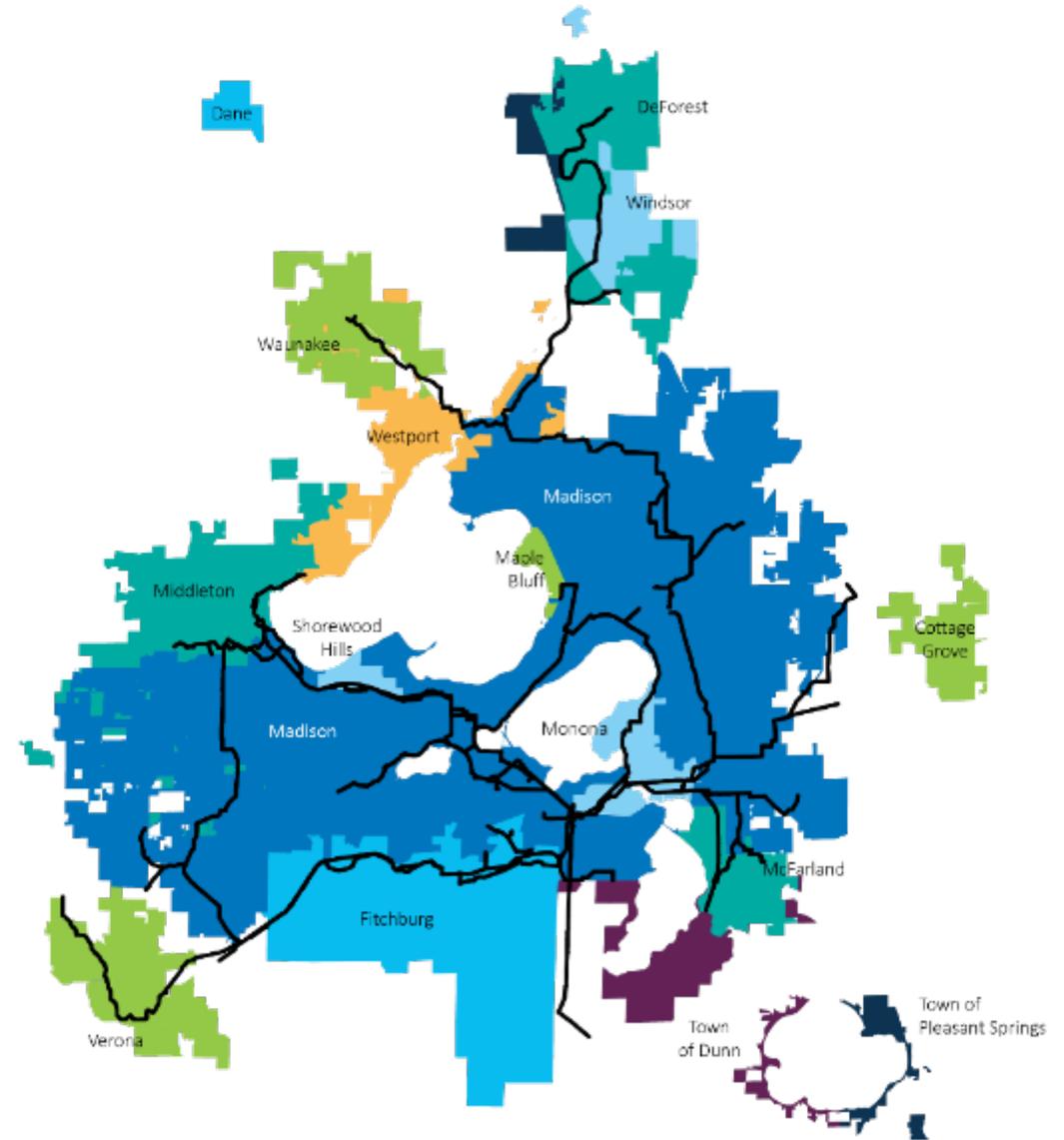


Presented by Martye Griffin



About the District

- Established in 1930
- Regional wastewater utility for 24 customer communities in Dane County
- Serves 435,000 individuals and businesses across 190 square miles
- Operate 150 miles of pipe
- Collects 37 million gallons daily (on average)





Why a Permit?

1. Clean Water Act Requirement
2. Oversight by US EPA
3. WPDES Permit Program Administered by WDNR
4. Allows the District to:
 - Discharge treated effluent
 - Land apply biosolids
 - Regulate industrial users



Madison Metropolitan Sewerage District

Permit Re-issuance Timeline



Madison Metropolitan
Sewerage District



Permit Changes

- Total Suspended Solids (TSS) Limits
- Testing, Monitoring & Reporting
 - Bacteria
 - Biochemical Oxygen Demand (CBOD5 and BOD5)
 - Flow
 - Mercury
 - Per- and Polyfluoroalkyl Substances (PFAS)



Madison Metropolitan
Sewerage District



Permit Changes

- Outfall consolidation
- Phosphorus limit
- Adaptive Management Plan update
- Variances: Chloride & Mercury
- Chloride limit
- Chronic Whole Effluent Toxicity (WET) limit
- Per- and Polyfluoroalkyl Substances (PFAS)



Madison Metropolitan
Sewerage District

Permit Re-issuance Timeline



Public Hearing January 27
Public Comment ends February 3



Madison Metropolitan
Sewerage District

Thank you



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 critical provider of services with large and stable customer base, we remain an essential component of local, national and global economies.</p> <p>For the District, this means having adequate financial resources to address needs to ensure we meet our obligations to our customers, employees, investors and service providers, ensuring results over a long-term period.</p>	<p>To achieve our strategic vision, we need to manage our physical assets, the backbone of our physical and technological infrastructure, now and into the future, that meet performance at a high level of service.</p> <p>For the District, this means investing in ongoing and strategic physical and technological infrastructure to guarantee the performance of critical assets, ensuring financial and operational resources to a qualified level of future-ready replacement capacity.</p>	<p>As a critical service provider, we need to ensure that our customers have confidence in our ability to deliver quality and reliable services that meet their needs and expectations.</p> <p>For the District, this means providing excellent and reliable customer service 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 maintain a high level of regulatory compliance with state, federal and regulatory agencies.</p> <p>For the District, this means maintaining and exceeding performance against regulatory requirements, ensuring compliance with a low risk of future violations, maintaining strong relationships with regulators, and working with them to regulate a broad range of complex and evolving regulatory requirements.</p>
<p>INDICATORS</p> <ul style="list-style-type: none"> • Financial Health Score • Debt Rating • Operating Reserve Ratio • Debt Service Coverage Ratio 	<p>INDICATORS</p> <ul style="list-style-type: none"> • Planned Maintenance • Asset Reliability • Critical IT/OT System Availability 	<p>INDICATORS</p> <ul style="list-style-type: none"> • Customer Satisfaction Score • Employee Satisfaction • Service Reliability • Service Complaints 	<p>INDICATORS</p> <ul style="list-style-type: none"> • Regulatory Compliance Score • Permit Compliance • Enforcement Actions

THREE-YEAR PLAN

The Three-Year Plan prioritizes the major short- and long-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 plan. 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. Financial Capacity and Resilience (today)
 2. Infrastructure Reliability (today)
 3. Public Trust
 4. Regulatory Compliance
5. Questions (for each PA)

Introduction

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

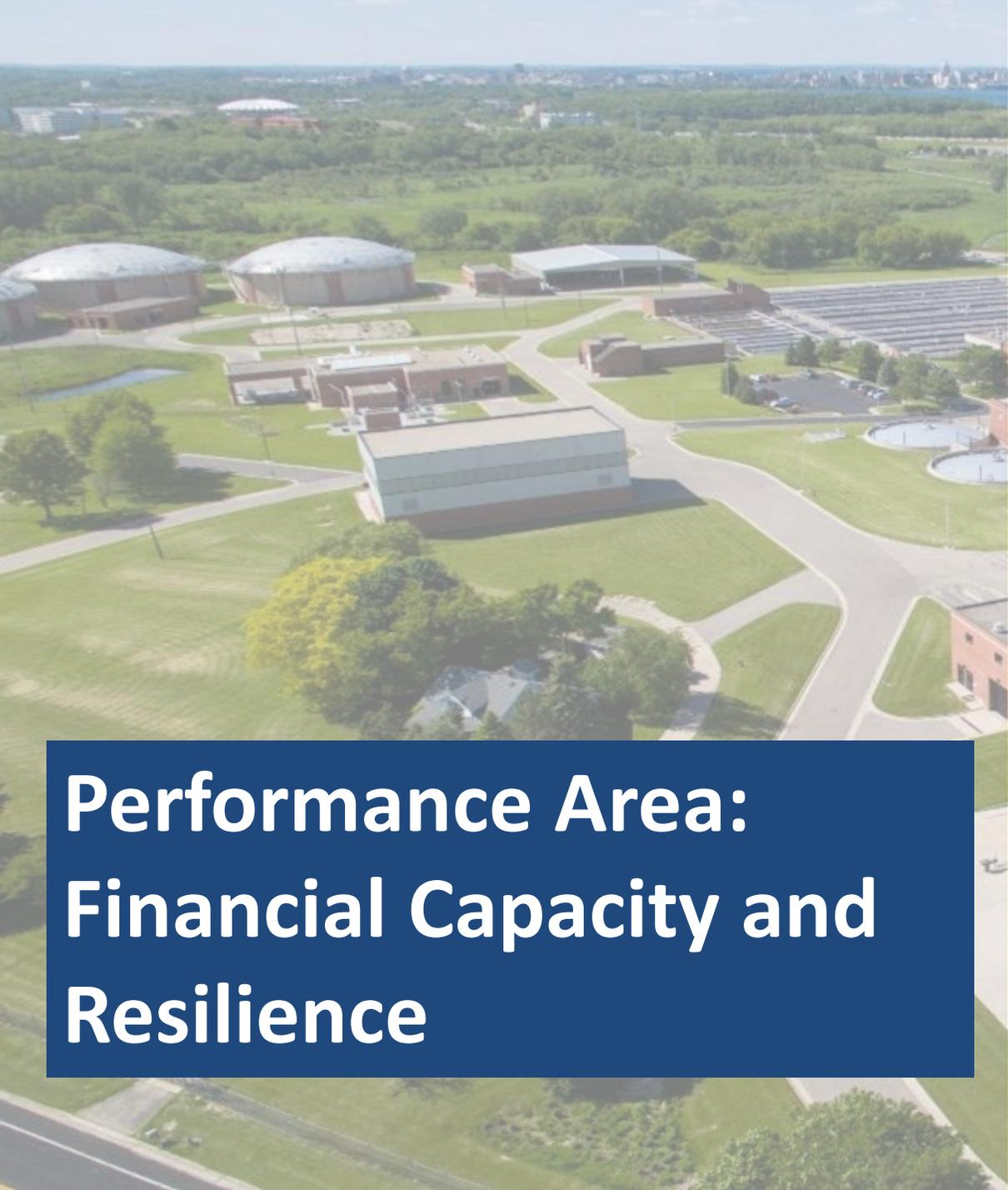
How does the Commission want to use the Strategic Plan?



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: Financial Capacity and Resilience

Attention to revenue sources and spending is foundational to executing our purpose.

This means having adequate financial resources to fund:

- Required work for infrastructure maintenance and permit compliance, and
- Resilience during financial disruptions.





Financial Capacity and Resilience: Key Performance Indicators

KPI 1: Balance Relative to Reserve Requirements

Measure: Reserve fund balance relative to required reserves, or months of operating expenses in reserves

Rationale: Indicates the ability to weather revenue disruptions.



Financial Capacity and Resilience: Key Performance Indicators

KPI 2: Spending in Line with At-Risk Assets (Nessie Curve)

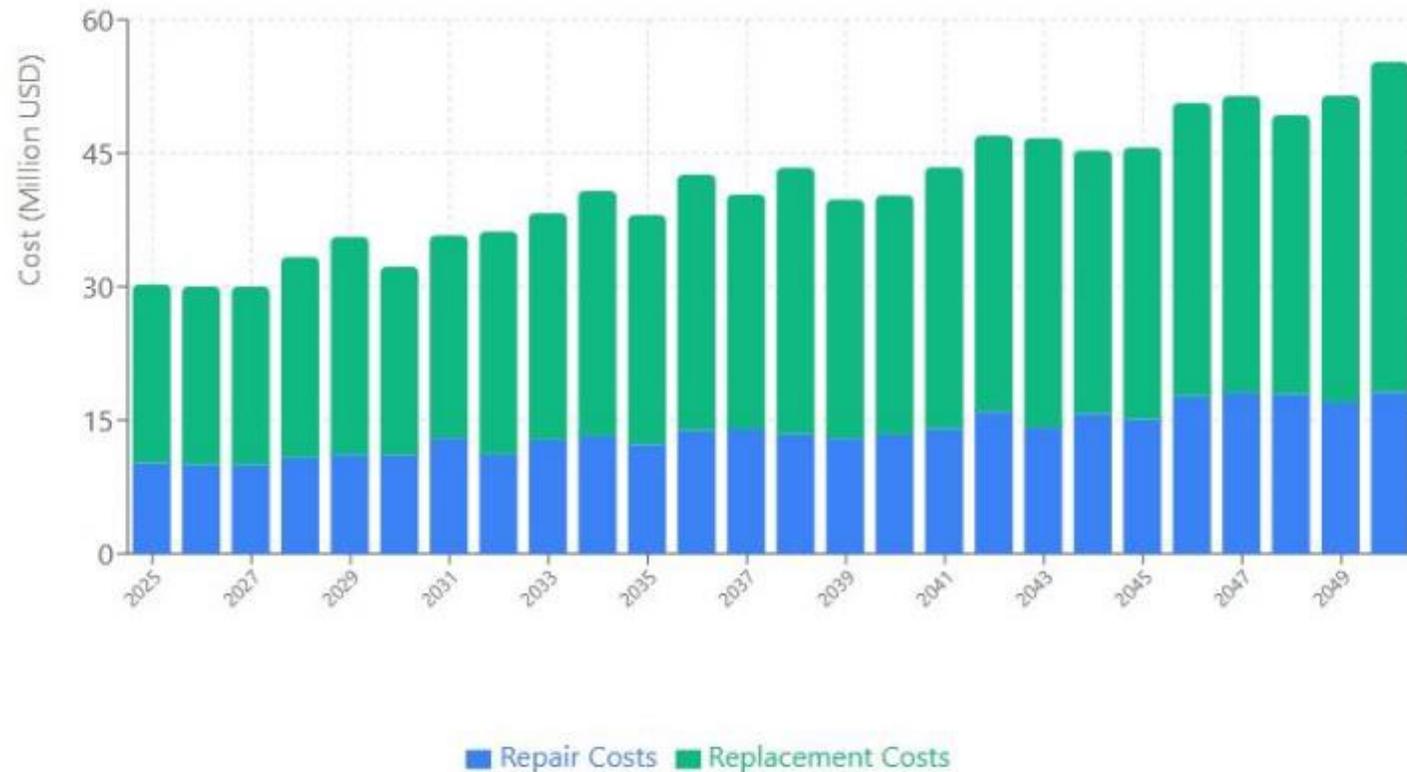
Measure: Comparison of actual replacement/maintenance budget to the estimated value of assets.

Rationale: Focuses investment on the longevity of critical systems.

Nessie Curve Example

Utility Infrastructure Costs Projection

Annual Repair and Replacement Costs (2025-2050)





Financial Capacity and Resilience: Key Performance Indicators

KPI 3: Debt Service Coverage Ratio

Measure: Net revenues divided by annual debt service.

Rationale: Critical for financial stability and bond covenant compliance.

Financial Capacity and Resilience: Next Steps

KPI 1: Balance Relative to Reserve Requirements

- Data readily available
- Acceptable ranges already in Commission policy ATT-2D

KPI 2: Spending in Line with At-Risk Assets (Nessie Curve)

- Large gaps in asset register need to be addressed (~ 2 years)
- Decide on acceptable range

KPI 3: Debt Service Coverage Ratio

- Data readily available
- Decide on acceptable range



Questions?

Madison Metropolitan
Sewerage District





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: Mean Time Between Failures (MTBF). Still in development.

Rationale: Increasingly important in the future when ERP and EAM are implemented

Infrastructure Reliability: Next Steps

KPI 1: Planned Maintenance Measures

- Matt Schuman has developed a robust database as part of 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

- Batina Culver has developed an initial dataset
- Decide on acceptable range



Questions?

Madison Metropolitan
Sewerage District





Thank you

Madison Metropolitan
Sewerage District

