

OUR CITY OF MADISON



Water Utility

Strategic Plans & Major Initiatives – Overview

Introduction

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Strategic Plans & Major Initiatives

- Long-Term Master Plan (Plan)
- 10-Year Financial Plan (Plan)
- Strategic Asset Management Plan (Plan)
- Well 14 – Chloride Mitigation (Initiative)
- Well 15 – PFAS Treatment (Initiative)
- Well 19 – Iron, Manganese & Radium Treatment (Initiative)



Long-Term Master Plan

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Long-Term Master Plan

- Since 1964, MWU has adopted a Water Master Plan to guide system development, operation, and growth
- The Master Plan is updated every 5 to 8 years
- The current version of the Master Plan positions MWU for planning as far ahead as 2040
- The document has been used recently to help develop the current 10-year Capital Improvement Plan and 10-year Financial Plan



10-Year Financial Plan



10-Year Financial Plan

- A roadmap to keeping safe drinking water accessible and affordable
- Focuses on funding infrastructure renewal through revenues rather than debt
- Maintains sound financial management
- Manages customer impacts
- Identifies key metrics, timelines, and milestones for meeting financial goals



Asset Management

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Strategic Asset Management Plan

- “The right project, at the right time, for the right price”
- Focused on improving overall efficiencies and effectiveness in delivering services to the public
- Helps to quantify actual asset conditions and their associated “risk profiles”
- Used to compare, optimize, and prioritize among potential capital projects
- Ensures confidence in project/budget recommendations



Well 14 – Chloride Mitigation

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Well 14 – Chloride Mitigation

- Evaluation of the groundwater and borehole at Unit Well 14 due to rising levels of sodium and chloride in the water
- Chemical and geophysical testing under various static and pumping conditions
- Action plan to address the well's casing depth and draw levels



Well 15 – PFAS Treatment

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Well 15 – PFAS Treatment

- Well 15 has been offline since 2019 due to PFAS being detected in its water
- Groundwater and feasibility studies have been completed to determine effective treatment methods and allow the well to be put back into service
- Project planning and design is underway
- Current schedule is for the well to be in operation again in 2025



Well 19

Iron, Manganese & Radium Treatment



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Well 19

Iron, Manganese & Radium Treatment

- Project focuses on treating the stated naturally occurring contaminants before they exceed federally regulated levels
- Major supply well to the UW Hospital complex and most of the UW campus
- Pilot testing of treatment systems has been completed
- Final design is in progress; treatment scheduled to be fully operational in 2025



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Thank You!

Additional Information:

www.madisonwater.org

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