Water Resources: Minimum Requirements

Imagine 2050: Water Policy Plan

High-quality water is essential for a healthy environment, thriving economy, and public health.

- Create climate-resilient water resources, ecosystems, and water infrastructure through innovative design and adaptive planning.
- Optimize regional water protection, planning, and infrastructure investments.
- Promote universal accessibility to water services and benefits.
- Maintain watershed-based management strategy that fosters collaboration across political boundaries.
- Integrate water management, from water supply to wastewater systems to surface waters.

IMAGINE 2050

Metropolitan Council

Regional goals

Our region is equitable and inclusive.
Racial inequities and injustices experienced by historically marginalized communities have been eliminated; and every person feels welcome, included, and empowered.

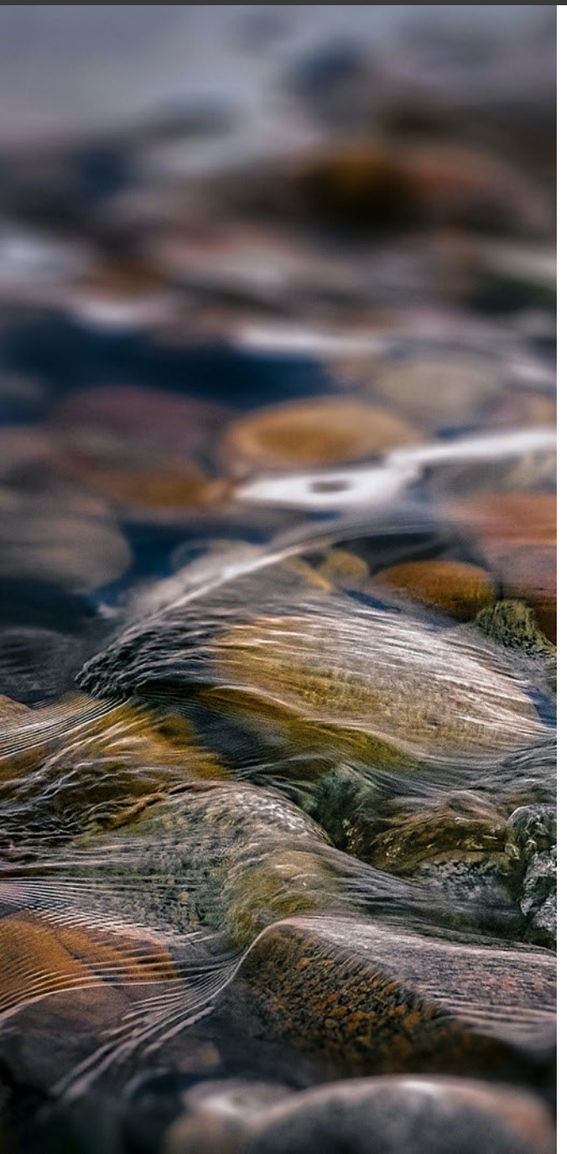
Our communities are healthy and safe.
All our region's residents live healthy and rewarding lives with a sense of security, dignity, and wellbeing.

Our region is dynamic and resilient.
Our region meets the opportunities and challenges faced by our communities and the economy including issues of choice, access, and affordability.

We lead on addressing climate change.
We have mitigated greenhouse gas emissions and have adapted to ensure that our communities and systems are resilient to climate impacts.

We protect and restore natural systems.
We protect, integrate, and restore natural systems to protect habitat and ensure a high quality of life for the people of our region.

System Statements



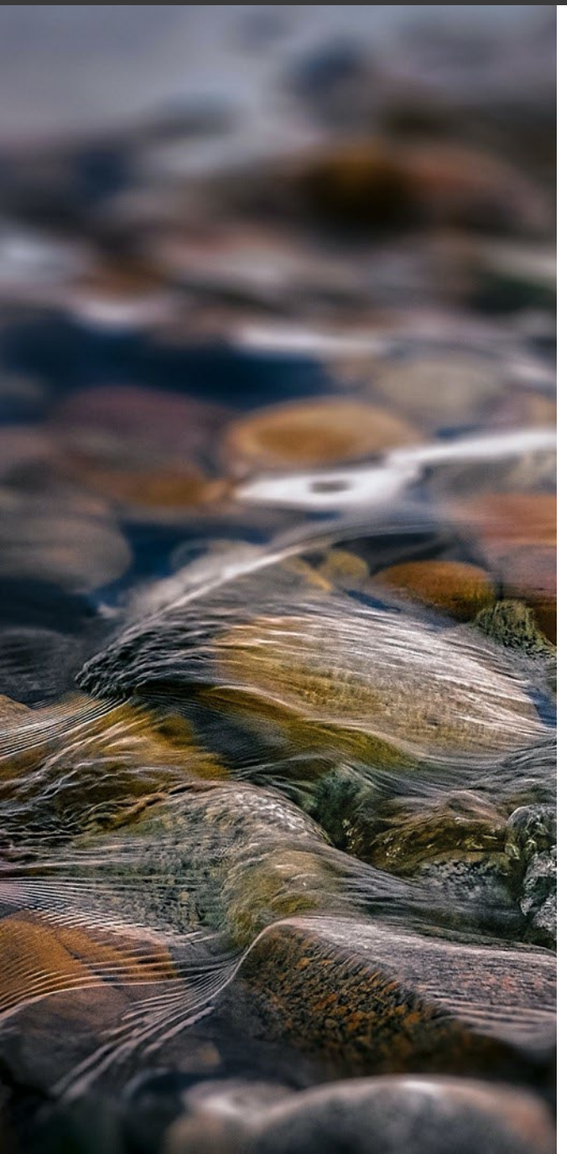
Long-range comp plans for regional systems

- Transit, highways, and airports
- Wastewater services
- Parks and open space

What's included?

- Community designation(s)
- Forecasted population, households, employment through 2050
- Guidance on appropriate densities to ensure regional services and infrastructure are provided efficiently
- Affordable housing need allocation

System Statements (cont'd)



Information specific to the community

- Transportation, including metropolitan highways, aviation, and transit
- **Water Resources, including wastewater, surface water, and water supply planning**
- Regional parks and trails

Outline

- WPP Overview
- Regional sewer service, forecasts and flow projections
- Wastewater service, Inflow & Infiltration, Private/SSTS systems
- Surface Water
- Water Supply

System statement maps (1)

Figure 1. MCES Sanitary Sewer Meter Service Areas

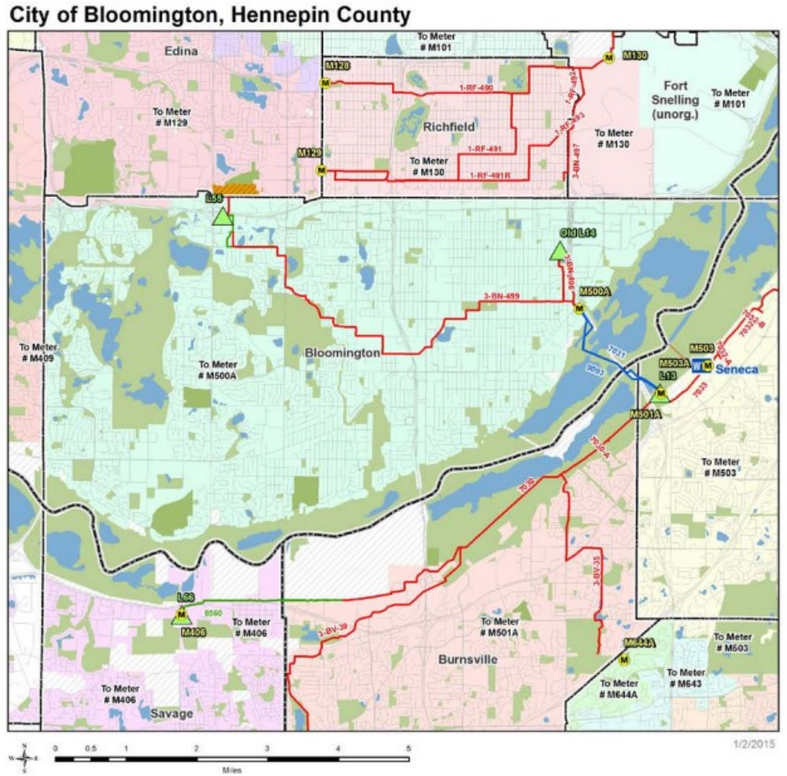
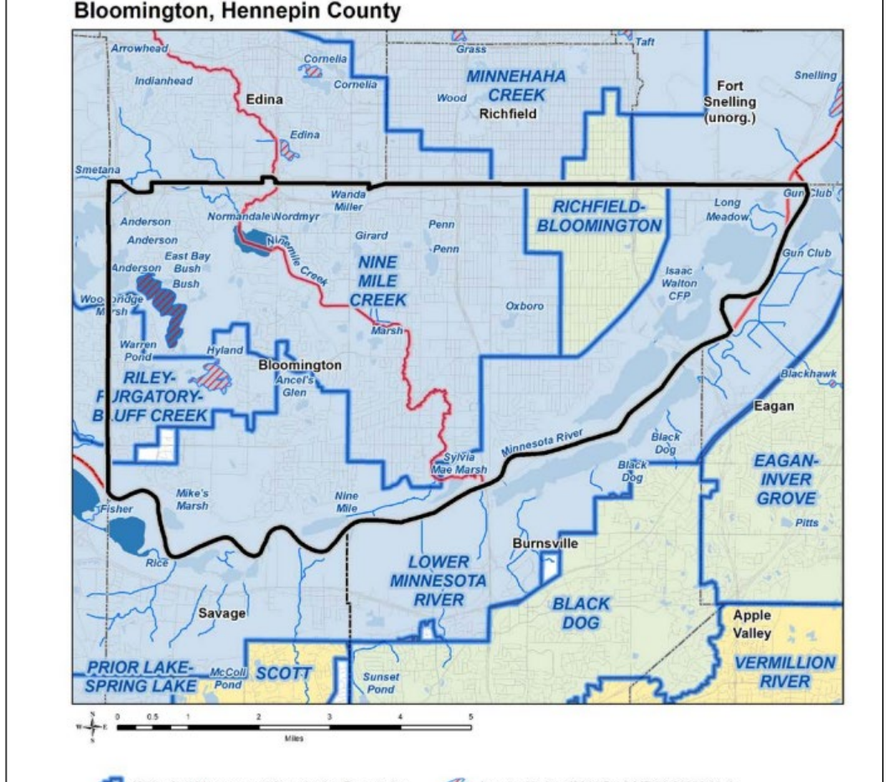


Figure 2. Surface Water Resources



IMAGINE 2050

Metropolitan Council

System statement maps (2)

Figure 3. Surface water features and interaction with the regional groundwater system, and state-protected surface water features

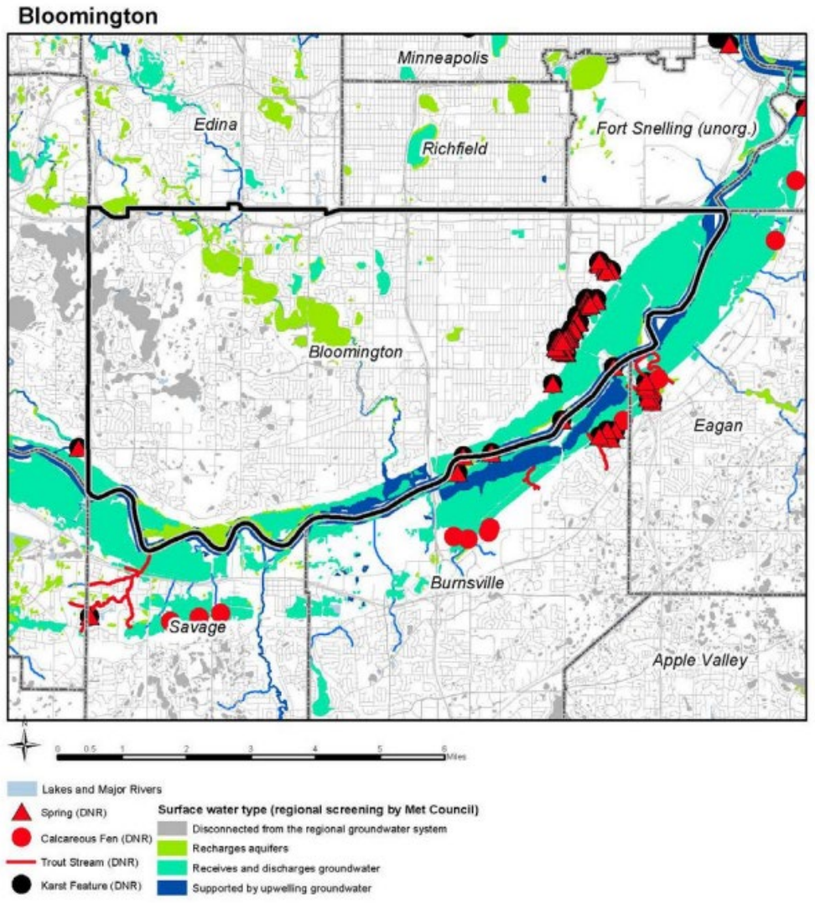
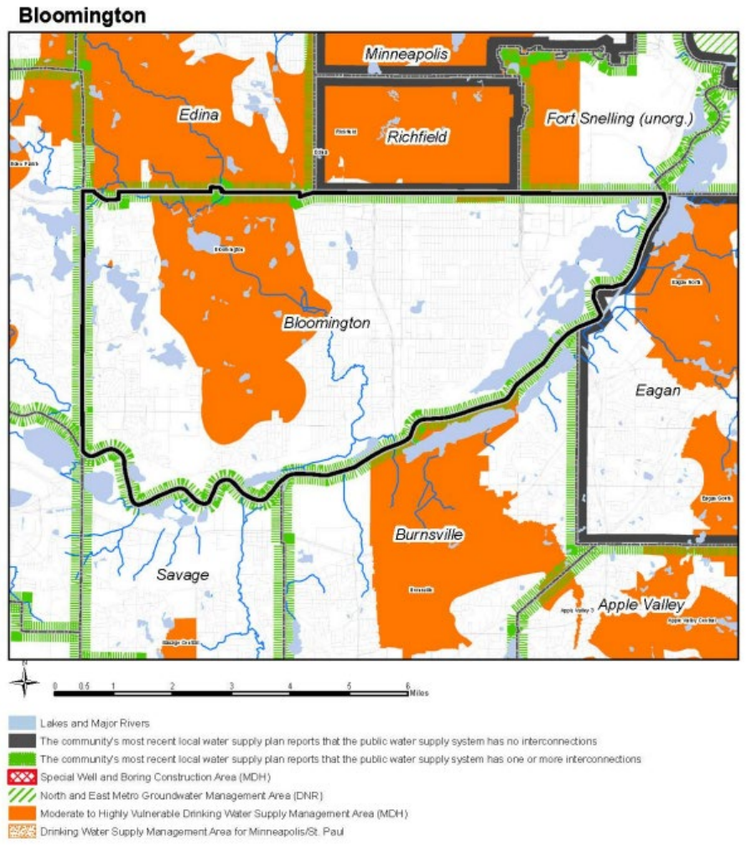
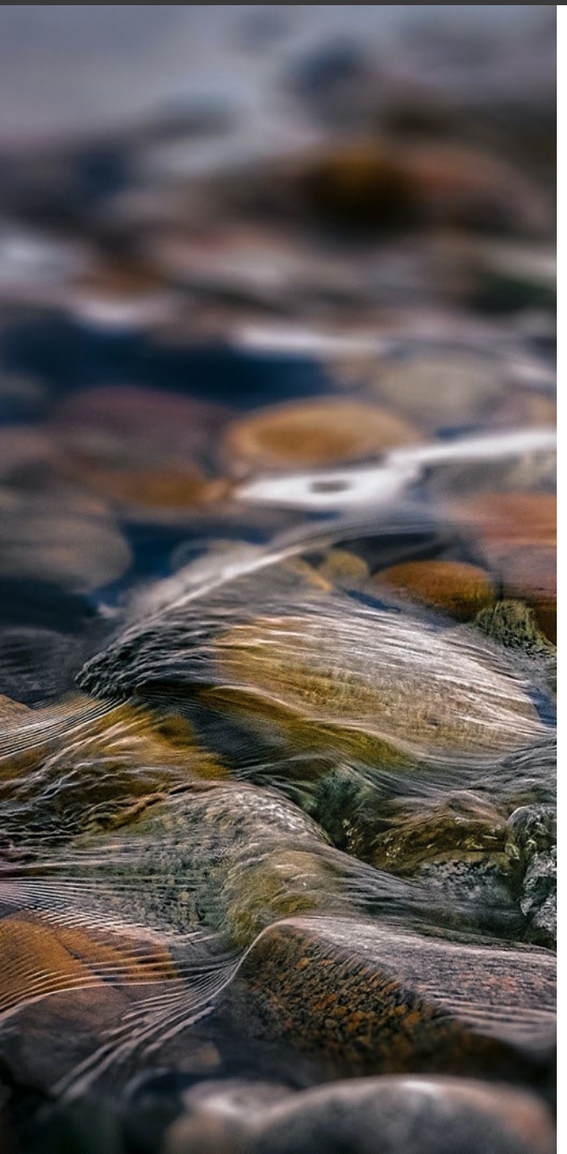


Figure 5. Municipal public water supply system interconnections and regulatory management areas



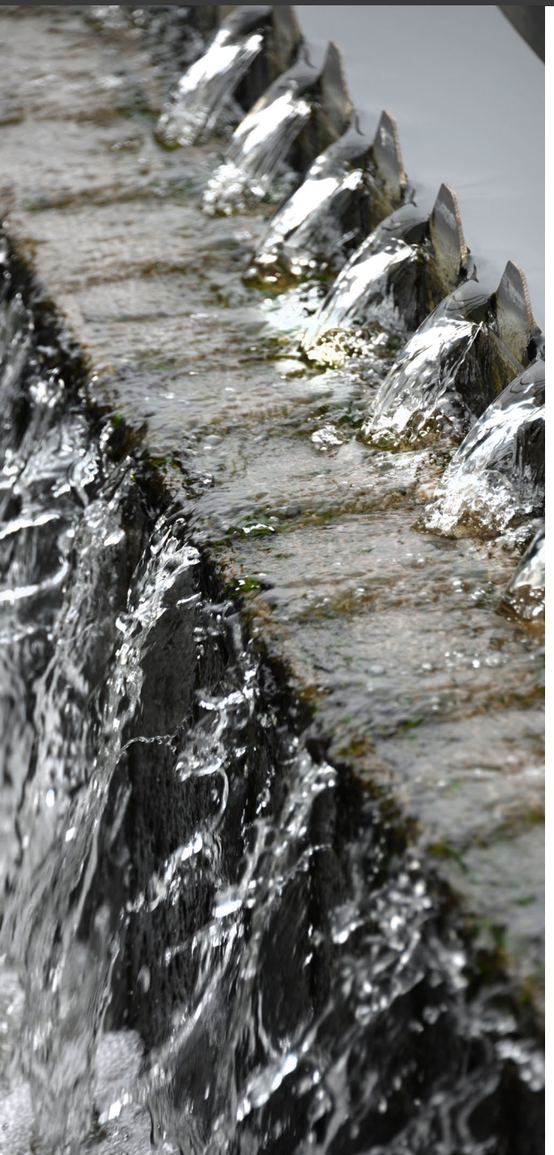
Minimum Requirements



What must be included in comp plan for approval?

- Wastewater: Information that allows us to serve existing and planned development (including location and timing)
- Surface Water: Identified content from MN Statute and Rule that is part of the local water management plan (required part of city's comp plan)
- Water Supply: Information to ensure a sustainable water supply for the current and future needs of the region.

Wastewater Requirements



Summary

Local governments are required to submit both a wastewater plan element to their comprehensive plan as well as a comprehensive sewer plan describing service needs from the Met Council.

Before any local government unit in the metro area can proceed with a sewer extension, the comprehensive sewer plan must be consistent with the Met Council's Wastewater System Plan and be approved by the Met Council.

NEW THIS TIME

Explanation of why we are asking for GIS data and other sewer plan items

GIS Requirements – all areas

1. Provide the following GIS sewer system data with the comprehensive sewer plan submittal (GIS shape files or geodatabase feature classes):
    a. Local sanitary lines.
        i. Include pipe size, pipe material, year built, conveyance method (gravity and forcemain).
    b. Local sanitary structures (e.g. manholes, lift stations, etc).
    c. Existing connections points to the MCES collection system.
    d. Future connection points to the MCES collection system (for new growth).
    e. Local sewershed service areas or districts by connection point.
    f. Intercommunity connection points.
    g. Proposed changes in government boundaries based on orderly annexation agreements.
    h. Location of all private and public wastewater treatment plants in the community.
    i. Individual subsurface sewage treatment systems (as mentioned in the Requirements for Areas Served by Subsurface Sewage Treatment Systems section).

Wastewater - Four Categories

Requirements for….

1. Areas served by the Regional System (Urban Areas)
2. Areas served by Local Water Treatment Systems (Rural Centralized Systems)
3. Areas served by Private Communal Treatment Systems
4. Areas served by Subsurface Sewage Treatment Systems

Wastewater - Cross Topics

- Forecasts – must adopt Council forecasts
- Requests for sewer service
  - New connections?
  - Plant acquisition?
- Proposed schedule for new sewer connections to Metropolitan Disposal System

Water Resources – Surface Water (1)

No changes to MN Statute or Rule

- The requirements for local water plans are identified in Minnesota Rule 8410. Last updated in 2015.
- New language is focused on adding detail

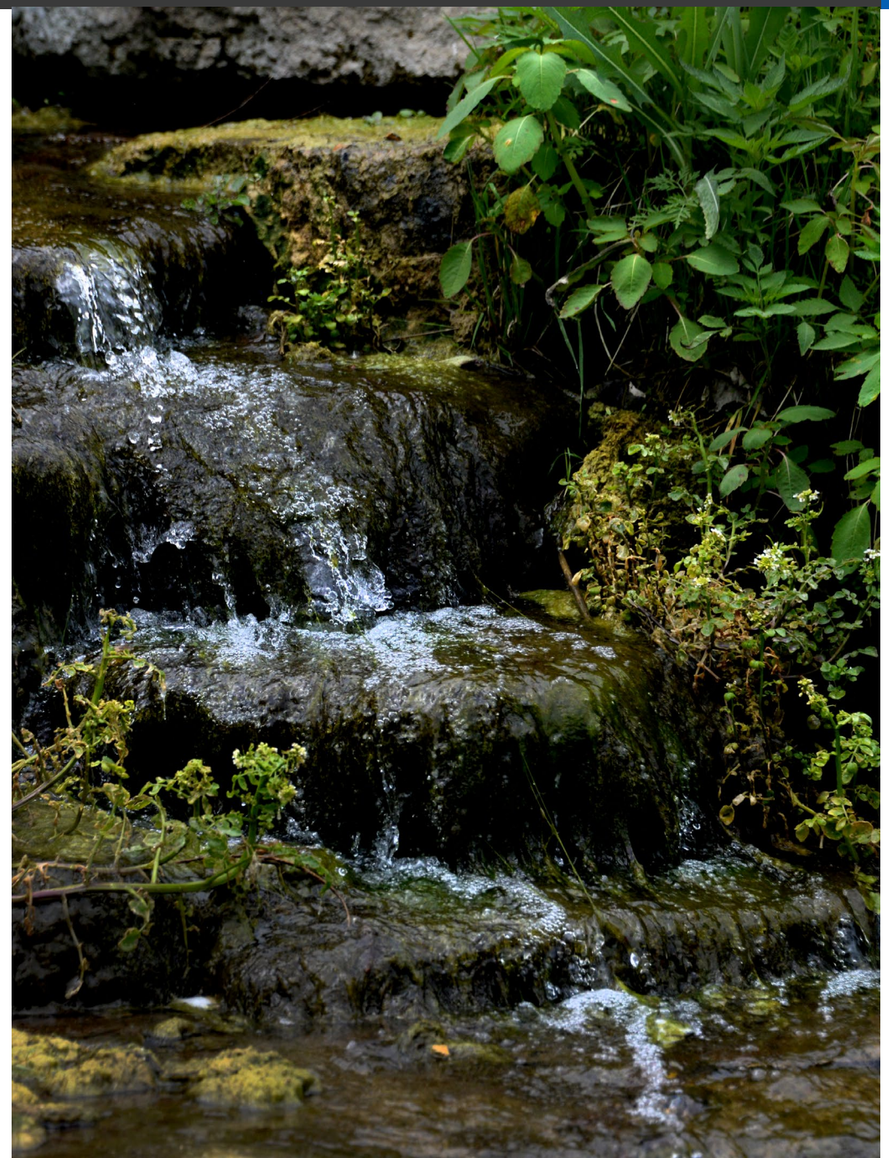
Water Quality Protection Methods

- Types of best management practices to be used to improve stormwater quality and quantity.
- The maintenance schedule for the best management practices.

Water Resources – Surface Water (2)

Define Official Controls

- Erosion and sediment control ordinance consistent with NPDES Construction Stormwater permit (regulated by MPCA)
- Means to control runoff during the “1-year” and “2-year” precipitation events.
    - Encouraging communities with known flooding issues to address the “10-year, 25-year, or 100-year” events



Water Resources – Water Supply (1)

New requirements based on updated regional policies

- More detailed expectation for source water protection.
  - In the past, “regulatory and management areas” were referred to, but now DWSMAs are specifically mentioned.
  - New expectations are coordinated with land use policy.
- More specific recognition of privately owned wells and nonmunicipal water supplies.
  - In the past, we asked for “information about water supply sources” but for private well information specifically.
- More information requested about current and planned water supply service areas.
  - New expectations are coordinated with land use policy.

Water Resources – Water Supply (2)

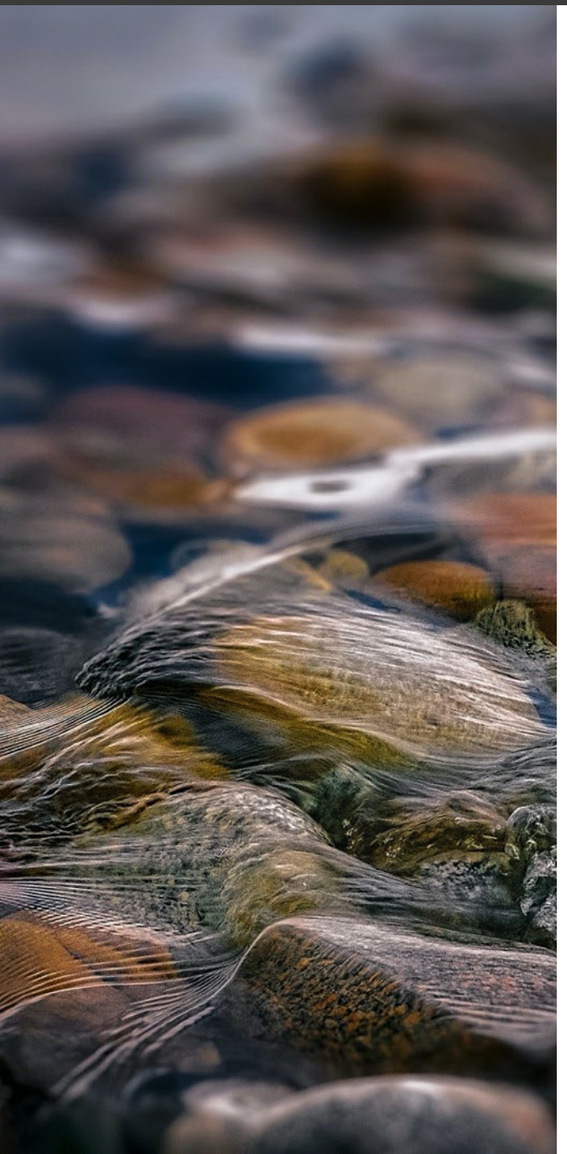
Requirements that stayed the same

- Attach the DNR-approved local water supply plan

Clarifying language

- Minimum requirements are better customized by different community water supply situations.
- Minimum requirements are described more detail to improve transparency, communication, and consistency
    - Example: highlights that Met Council will look at goal, policy, and strategy content in addition to forecast-related content.

Water Resources – Water Supply(3)



Removed language

- Redundant language was removed. For example: 2040 Water Conservation & Reuse requirements are now addressed by the requirements for Municipal Community Public Water Supply Systems.
- Requirements that were found not to be effective as a local plan requirement and are better addressed through other means. For example: 2040 Sub-regional Collaboration is being supported through a new Met Council engagement program.