

Goals for 2040 Water Resources Chapter

Integrated water resource management

A safe, reliable, and sustainable water supply

Excellent surface water quality

Right-sized and well-maintained gray stormwater infrastructure

Sustainable wastewater conveyance and treatment infrastructure

Integrated water resource management

- WR-1. Utilize rain as a resource to achieve multiple benefits when managing stormwater, such as harvesting water for irrigation or flushing toilets.
- WR-2. Work with development partners to support application of district green stormwater approaches.
- WR-3. Promote visible green infrastructure landscape features, such as rain gardens and tree trenches that contribute to placemaking and welcoming public spaces. [*sidebar on Shared, Stacked, Green Infrastructure or similar*]
- WR-4. Advance municipal policy and financing solutions to support district green stormwater infrastructure.
- WR-5. Advocate for expanded water reuse capacity, including through support for code and policy changes to make water reuse cheaper and easier.
- WR-6. Support a healthy urban forest and urban forestry initiatives to capture stormwater through canopy interception, evapotranspiration, and increased infiltration.
- WR-7. Continue to explore and support the implementation of green infrastructure practices to increase resiliency to flooding, drought, and climate change.
- WR-8. Support regional efforts to address groundwater usage and recharge.

A safe, reliable, and sustainable water supply

- WR-9. Apply an equity lens to policy and funding decisions relating to maintaining or improving private water connections to the public distribution system.
- WR-10. Continue education and conservation measures identified in the 2016 Water Supply Plan to increase efficiency and reduce water demand.
- WR-11. Work with partners to update and implement Saint Paul's Wellhead Protection and Source Water Protection plans.
- WR-12. Fund the strategic capital projects outlined in the 2016 Water Supply Plan and 2016-2018 Saint Paul Regional Water Services Strategic Plan.
- WR-13. Maintain response readiness for emergencies related to water supply contamination or interruption and for damage to treatment and distribution infrastructure

Excellent surface water quality

- WR-14. Collaborate with partner agencies on water quality improvement efforts, including capital projects and programming.
- WR-15. Educate the public on urban water quality issues and stormwater best management practices.
- WR-16. Work with partners to address known surface water quality impairments as outlined in the Saint Paul Local Surface Water Management Plan (LSWMP).
- WR-17. Acknowledge and respond to changing precipitation patterns and ensure adequacy of existing stormwater management regulations.
- WR-18. Utilize best management practices for “good housekeeping,” including salt application, street sweeping and facility maintenance.
- WR-19. Encourage the use of Minimal Impact Design Standards (MIDS) for new development in the City of Saint Paul. [*sidebar on MIDS*]

Right-sized and well-maintained gray stormwater infrastructure

- WR-20. Maintain existing gray stormwater infrastructure and incorporate or upgrade BMPs to reduce pollution as opportunities arise.
- WR-21. Acknowledge and respond to changing participation patterns and ensure adequacy of stormwater gray infrastructure and stormwater management regulations.

Sustainable wastewater conveyance and treatment infrastructure

- WR-22. Continue Inflow and Infiltration (I&I) identification and correction efforts for municipal sanitary conveyance systems and connecting private infrastructure. [*sidebar on I&I*]
- WR-23. Encourage Metropolitan Council efforts to identify and correct I&I on Metropolitan Council Environmental Services (MCES)-owned facilities in Saint Paul and those in surrounding communities that impact MCES infrastructure serving Saint Paul.
- WR-24. Reduce reliance on individual sewage treatment systems where financially feasible.
- WR-25. Continue to reduce non-compliant ISTSs and ensure maintenance of compliant systems.
- WR-26. Discourage new ISTSs where public sanitary conveyance infrastructure is available.
- WR-27. Prohibit new community treatment systems where public sanitary conveyance infrastructure is available.
- WR-28. Plan for adequate municipal conveyance infrastructure and support adequate metropolitan system capacity to serve more intensive redevelopment in appropriate locations.