

Goals for 2040 Water Resources Chapter

Integrated water resource management strategies

A safe, reliable, and sustainable water supply

Excellent surface water quality

Right-sized and well-maintained grey stormwater infrastructure

Sustainable wastewater conveyance and treatment infrastructure

Integrated water resource management strategies

- 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-6~~ WR-7. Leverage urban forestry and stormwater runoff initiatives to Continue to explore and support the implementation of green infrastructure practices to increase resiliency to flooding, drought, and climate change.
- ~~WR-7~~ WR-8. Support regional efforts to address groundwater usage and recharge.

Comment [WJ(1)]: This policy needs to be evaluated in light of potential MN Dept. of Health rules that may make reuse more difficult/financially infeasible.

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-8~~ WR-10. Continue education and conservation measures identified in the 2016 Water Supply Plan to increase efficiency and reduce water demand.
- ~~WR-9~~ WR-11. Work with partners to update and implement Saint Paul's Wellhead Protection and Source Water Protection plans.
- ~~WR-10~~ 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-11~~ WR-13. Maintain emergency response readiness for emergencies related to water supply contamination or interruption and for damage to treatment and distribution infrastructure.

Excellent surface water quality

- ~~WR-12~~-WR-14. Collaborate with partner agencies on water quality improvement efforts, including capital projects and programming.
- ~~WR-13~~-WR-15. Educate the public on urban water quality issues and stormwater best management practices.
- ~~WR-14~~-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-15~~-WR-17. Acknowledge and respond to changing precipitation patterns and ensure adequacy of existing stormwater management regulations.
- ~~WR-16~~-WR-18. Utilize best management practices for “good housekeeping,” including ~~snow removal~~salt application, street sweeping and facility maintenance.
- ~~WR-17~~-WR-19. Encourage the use of Minimal Impact Design Standards (MIDS) for new development in the City of Saint Paul. *[sidebar on MIDS]*

~~Maintain existing gray stormwater infrastructure and incorporate or upgrade pollution-reduction features such as SAFL Baffles as opportunities arise.~~

Right-sized and well-maintained grey 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-18~~-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-19~~-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-20~~-WR-24. Reduce reliance on individual sewage treatment systems where financially feasible.*
- ~~WR-21~~-WR-25. Continue to reduce non-compliant ISTS and ensure maintenance of compliant systems.*
- WR-26. ~~Prohibit~~ Discourage new ISTS and/or community treatment systems 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.

*-Additional research is needed on state requirements and compatibility of these policies with existing/proposed land use policies.

~~WR 22.WR 1. Plan for adequate municipal conveyance infrastructure and support adequate metropolitan system capacity to serve more intensive redevelopment in appropriate locations.~~

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