

# Mapping Infrastructure Climate Risk and Resiliency Opportunities

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MN Senate: Environment and Natural Resources Finance Committee  
2/8/2022



# Proposed Project: Mapping Infrastructure Climate Risk & Resiliency Opportunities



**Recommendation:** Governor Walz recommends \$5 million from Supplemental General Fund Appropriation to create a web-based planning tool for use by metro area communities and watersheds to protect local infrastructure from the adverse effects of extreme weather events.

# Extreme Weather Is Impacting the Region

From 2014 to 2019, in 5 years we received 7 years of rainfall and stressed our built environment:

- Basements flooded
- Rivers and streams left their banks
- “Localized flooding” was common

In 2021, the metro area experienced a drought

- Minnesota Statewide Drought Plan activated
- Metro-wide water restrictions



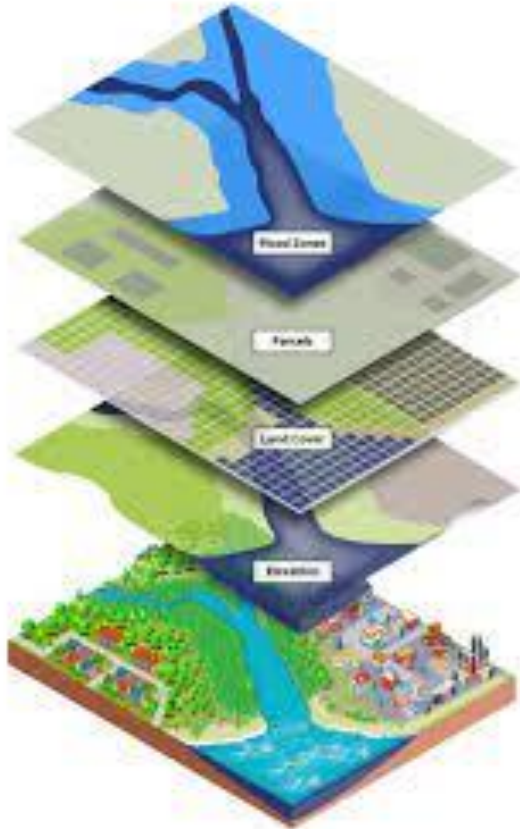
# Protecting Our Infrastructure Investments

Local infrastructure is needed for:

- Transportation
- Energy / internet / utility services
- Stormwater management
- Government and public safety services



# Bringing Together Data to Assess Risk



- Historic precipitation statistics
- Projected climate modeling
- Groundwater Modeling
- Storm sewer mapping
- 2022 land use data
- Infrastructure location information
- Water routing/ hydrology flow paths
- Risk calculations

# A Planning Tool for Metro Partners



- **Local governments:** prioritize and target community public works projects and grant opportunities
- **State agencies:** prioritize state bonding funds and award climate and resiliency grants
- **Private property owners:** make informed decisions
- **Communities and advocacy organizations:** identify areas of risk that might affect those that are economically or socially disadvantaged.

# Questions?

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