Minnesota Infrastructure Stress Transparency Tool

Office of the State Auditor

Purpose

Minnesota has a considerable amount of aging infrastructure. To continue to supply safe drinking water, communities will need to replace this infrastructure over the next few decades. The Minnesota Infrastructure Stress Transparency Tool (MISTT) provides maps and reports on the size, capacity, location, age, finances, and users of city and special service district water and sewer systems that provide these services. While much of the data has been collected in the past, this tool brings the datasets together and uses maps to visualize them.

Background

The project grew out of the University of Minnesota's 2015 Smart Cities and Infrastructure Convergence Colloquium. The State Auditor and a team of collaborators worked to create a series of interactive maps that, for the first time, visualize data on Minnesota's civil infrastructure.

The initial Infrastructure Stress Transparency Tool was launched in 2016. The work is a continued collaboration between U-Spatial at the University of Minnesota and infrastructure data experts from state agencies and stake holders including Minnesota Department of Health, Minnesota Pollution Control Agency, the Minnesota Public Facilities Authority, the Office of the State Auditor, and the Minnesota Infrastructure Alliance (formerly MN2050). The initial funding came from a Serendipity Grant from the University of Minnesota. Since then, funding for upgrades has come from a Bush Foundation Grant, the MN Department Health, and the Office of the State Auditor.

Function

The current version of the tool allows the user to:

- Display city and special service district data
- Filter for regional and statewide analysis
- Generate reports on age and amount of infrastructure, financial performance of drinking water or wastewater treatment enterprise funds, and more
- Perform side-by-side comparisons of entities
- View data by county, water basins, watersheds, and legislative district maps

Visit

To access MISTT, enter MN Infrastructure Stress Transparency Tool in your internet search engine, use the QR Code, or visit https://bit.ly/3wvWSok

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