

SOUTH ST. PAUL DRINKING WATER INFRASTRUCTURE IMPROVEMENTS

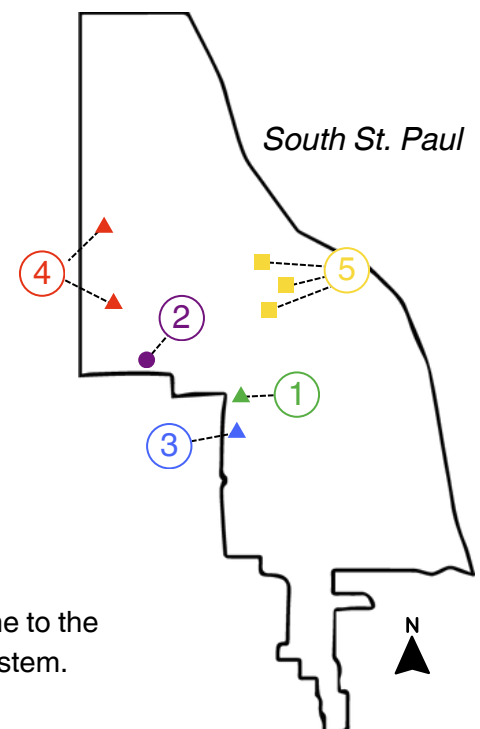
Bill #1059 | Hansen



The City of South St. Paul is requesting \$3,000,000 to fund the design and construction of critical water system improvements. Aging infrastructure, much of which has exceeded its useful lifespan, causes pressure fluctuations, flow issues, and increased maintenance costs. Three separate pressure zones add operational challenges, making it difficult to maintain consistent water service and meet fire protection needs.

These upgrades have been delayed for years due to other urgent water infrastructure demands. The City previously sought state bonding assistance in 2023 for an \$8 million treatment plant to address radium contamination. After the request went unfunded, the City was forced to cover the full cost. Now, as the City prepares to take on an estimated \$6.6 million in additional costs to address PFAS contamination, these much-needed improvements remain out of reach. Without state support, the risk of unreliable water service, service disruptions, and inadequate fire protection will continue to grow.

- **1. Pressure Control Valve at Well #1 Site (\$500,000)**
 - Improve operations and distribution of water to the 9th Ave Reservoir
 - Improved ability to deliver Well #1 water into the lower pressure zone.
 - Improves fire flow and provides another water source to the community if Well No. 4 becomes inoperable.
- **2. Fill Control Valve at 18th Ave Water Tower (\$300,000)**
 - Improves ability to maintain adequate storage in case of emergency.
 - Improves resilience and efficiency of the system.
- **3. Pressure Control Valve at 9th Ave/9th Street (\$300,000)**
 - Provides for improved ability to move water from the High-Pressure Zone to the Low-Pressure Zone, thereby increasing fire flow and a more efficient system.
- **4. Pressure Control Valves Oak Park Pressure Zone Street (\$300,000)**
 - Installation of pressure sustaining/pressure reducing valves at Wentworth Ave and Jewell Ln and 21st Ave N and Marie Avenue.
 - Provides more efficient control of pressures and increases fire flow.
- **5. 5TH Avenue Transmission Improvements (\$1,815,000)**
 - Replace existing 6-inch watermain with 12-inch watermain along the 5th Ave corridor.
 - Provides increased transmission capacity between Wells No. 4 and Well No. 3.
 - Will increase the capacity of Well No. 3 in the event Well No. 4 goes offline.
 - Provides increased fire flow capacity.



Pressure Valve Installation Examples