

State of the Water

March 11, 2025



Real People. Real Solutions.

Purpose and Process

Purpose :

- Provide the Residents of Mound with Safe and Affordable drinking water

Process:

- The solution is to construct a Water Treatment Plant to remove Manganese
- This solution has a \$40 Million Price Tag (\$36 Million + inflation since we started)



Drinking Water at the Source

- Composition of the water coming from the Aquifer has not changed*

Testing Results City of Mound, Minnesota			
	2021 Well No.3	2021 Well No.8	Max Contamination Limit
Arsenic (ug/L)	3.10	4.57	10
Bromide (mg/L)	<0.4	<0.2	NA
Chloride (mg/L)	14.7	3.2	250
Dissolved Oxygen (mg/L)	10.3	10.7	NA
Iron (mg/l)	0.500	1.050	0.3
Manganese (mg/L)	0.761	0.475	0.05
Nitrate + Nitrite as N (mg/L)	<0.05	<0.05	10
pH	7.1	7.4	6.5-8.5
Sulfate (mg/L)	34.7	24.6	250
Total Organic Carbon (mg/L)	1.6	1.8	NA



Sampling Tests Manganese Only mg/l		
Location	2024	2025
Lynwood Blvd	0.421	0.395
Bartlett Blvd	0.406	0.726
Three Points Blvd	0.403	0.419
Manchester Rd	0.634	0.613

Continued Guidance for Residents

- Maintain your water softener - this includes salt and resin media
- We encourage testing the water in your home
 - Preferably after any filtering and water softening in your home
 - RMB Environmental Laboratories, Inc. – Bloomington, MN
 - Tri-City/William Lloyd Analytical Lab – Bloomington, MN
 - Twin City Water Clinic, Inc. – Hopkins, MN
 - Pace Analytical – Minneapolis, MN
 - EMSL Analytical – New Hope, MN
- Bottled water is still recommended for infants
 - Health Based limits – 0.3 mg/l for infants and 1.0 mg/l for adults
- Manganese is poorly absorbed through the skin, so bathing, showering and contact with water results in less exposure than consumption



Accomplishments of the Last Year

Since the last State of the Water presentation:

- Clarified state language for the \$10.3 Million appropriation to finally START design
 - Designed the first 2 phases of the trunk watermain to utilize unlocked funds
 - Laid out framework for reimbursement using these funds
- Started the Part 106 Cultural Resources Investigations for the Plant and Well site
- Continued soliciting for, asking for, and talking about the urgency of additional state, federal, or other funding sources



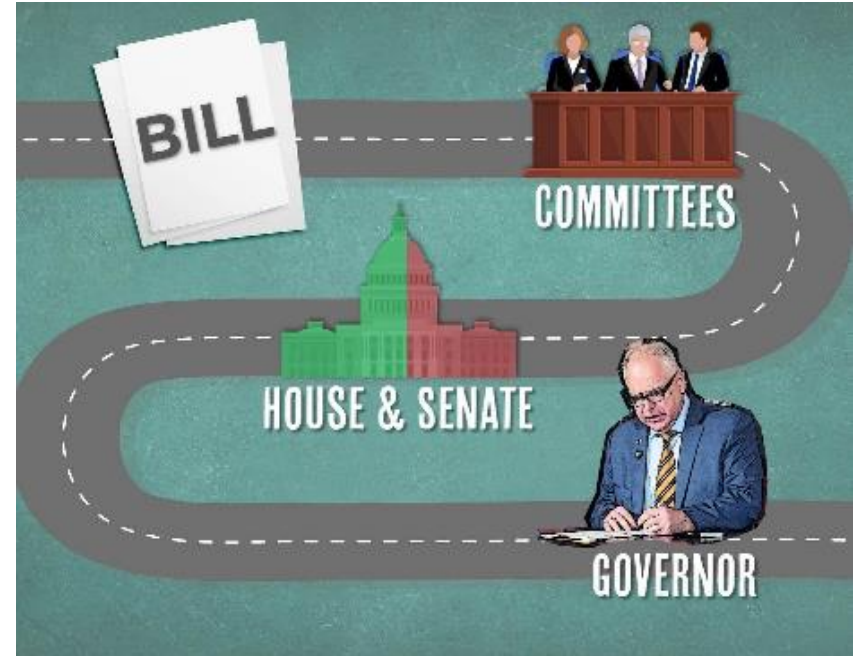
Funding To Date

Requested

- State of Minnesota Direct Appropriations
- Federal Direct Appropriations
- Drinking Water Revolving Fund (IUP/PPL)

Received

- \$10.3 Million – State of Minnesota Direct Appropriations
 - Administered by the Minnesota PFA
- \$0.9 Million – Federal Direct Appropriations
 - Administered by the Federal EPA
- **~\$30 Million Funding Gap – This is up from \$24.5 due to inflation**



Current Challenges & Opportunities



LOADING...



Addressing the Funding Gap

- Rep. Myers continues to be our partner at the Minnesota Legislature in asking for additional funding

EPA Required Due Diligence

- Added Steps needed to meet requirements for the use of federal funds
 - Cultural Resources Investigation
 - Being EPA led
 - Property Ownership/rights clearances
- Completion of this step is necessary to move forward on well and plant design

IUP / PPL Based Funding

State of Minnesota Ranks Project
Funding requests for Drinking
Water Revolving Fund monies

- IUP = Intended Use Plan
- PPL = Project Priority List
- Administered by the Public Facilities Authority (PFA)
- Combination of Grants and Low Interest Loans made available via the DWRF



	2022	2023	2024*	2025*
RANK	343	658	135	188
POINTS	10	5	15	15

*Fundable via Part B1

Implementing the Solution: 2025

- Continue to submit the project for direct appropriations
 - State and Federal
 - Continued Efforts by Mayor and Council and City Manager
- Consider the future of City led solutions if the necessary funding is not forthcoming in 2025
 - Low Interest Loans vs. Grant Dollars
 - How long can we wait?
- Continue to submit to the IUP/PPL
 - Final packages offered to us may include some low interest loans and/or refinancing of existing water system bond debt
- Continue to push Manganese and Manganese as a contaminant at the state level
- Navigate timeline and due diligence hurdles presented by EPA management of Federal Funds
- **KEEP ADVOCATING | CONTINUE TELLING OUR STORY | DON'T STOP ASKING**
This applies to EVERYONE



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