

State of the Water

March 26, 2024



Real People. Real Solutions.

Purpose and Process

- Provide the Residents of Mound with Safe and Affordable drinking water
- The solution is to construct a Water Treatment Plant to remove Manganese
- This solution has a \$36 Million Price Tag



Drinking Water at the Source

- Composition 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 March 2024 Manganese Only mg/l	
Lynwood Blvd	0.421
Bartlett Blvd	0.406
Three Points Blvd	0.403
Manchester Rd	0.634

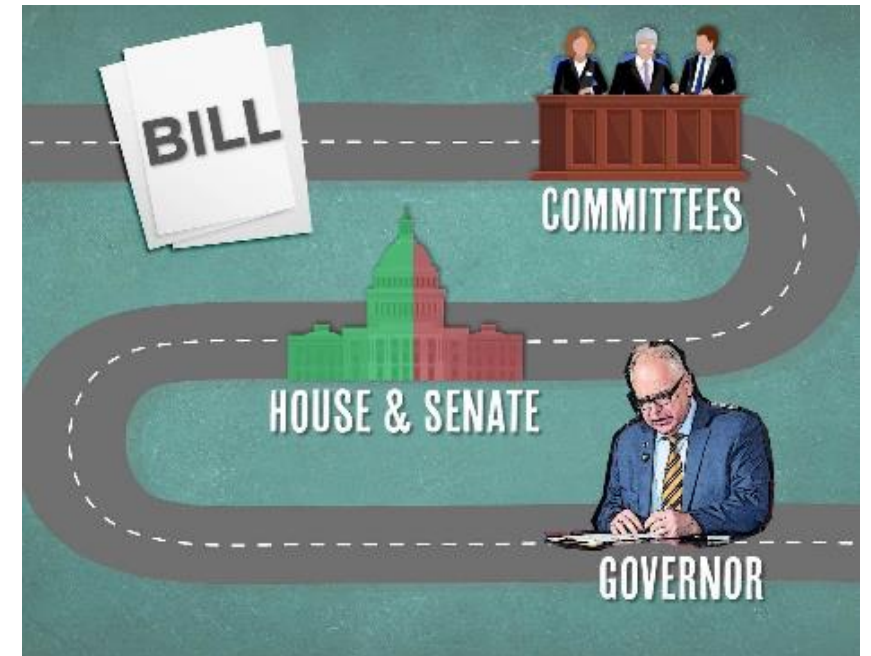
Funding To Date

Requested

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

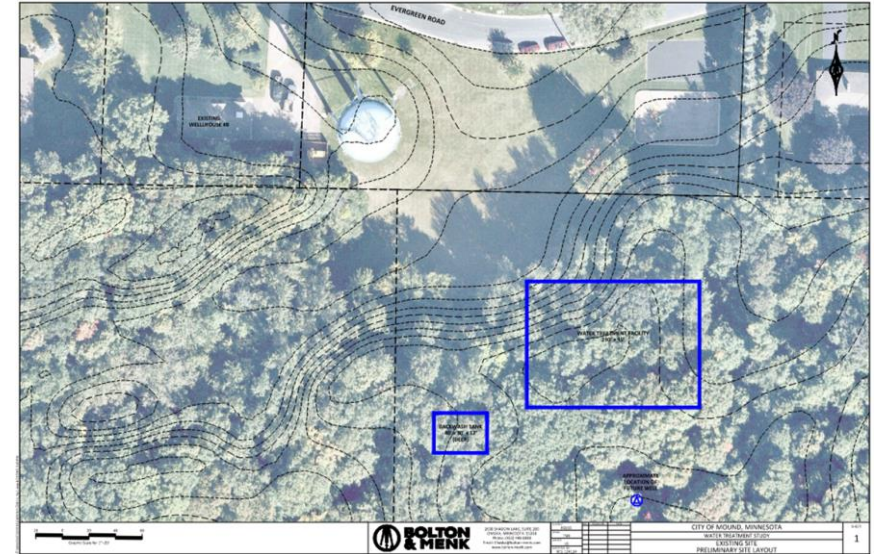
Received

- \$10.3 Million – State of Minnesota Direct Appropriations
- \$0.9 Million – Federal Direct Appropriations (NEW!)
- **\$24.5 Million Gap Remains in Funding**



IUP / PPL

- IUP = Intended Use Plan
- PPL = Project Priority List
- Monies administered by the Public Facilities Authority (PFA)
- Drinking Water Revolving Fund
- PFA is also tasked with administering the \$10.3 direct appropriation



2022	2023	2024
343 rank	658 rank	135 rank
10 points	5 points	15 points

Implementing the Solution

- “Unlock” the existing funding & get the project(s) shovel ready
 - The current \$10.3 million is encumbered by language requiring the entirety of the project to be funded before it will be released
 - Access to that funding through a proposed amendment to the bill
 - We have a plan to stage out the things that can be built NOW, and design the rest
- Continue to submit the project for direct appropriations
 - State and Federal
 - Continued Efforts by Mayor and Council and City Manager
- 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
- **KEEP ADVOCATING | CONTINUE TELLING OUR STORY | DON'T STOP ASKING**
This applies to EVERYONE



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 is less of a concern than consumption



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