



22 February 2022

#### **Capital Project Funding Request** Wellhead Treatment

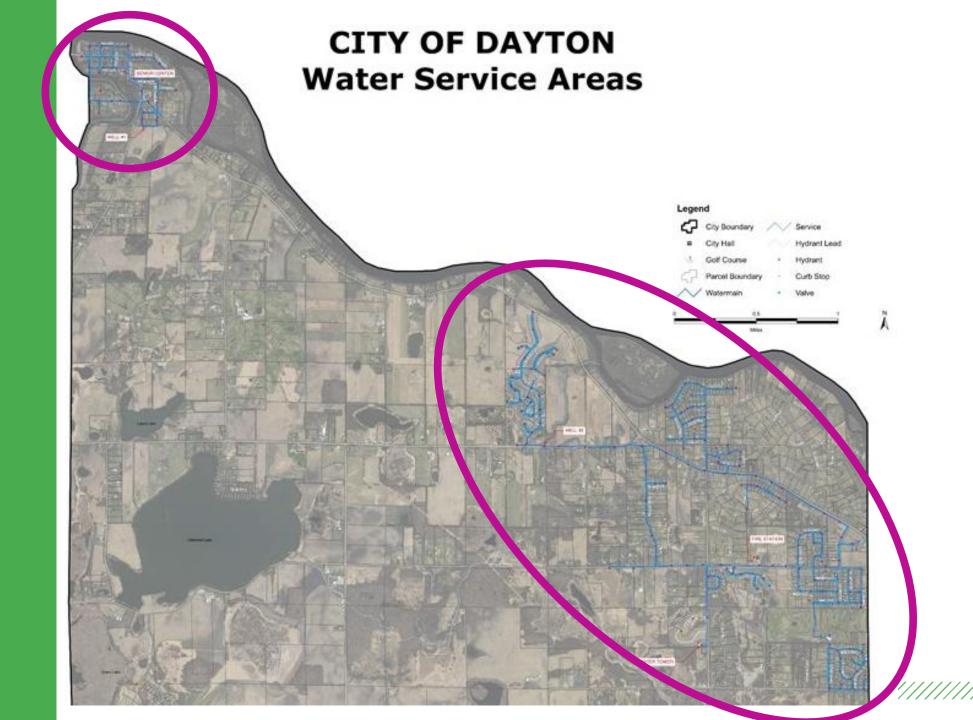
Martin Farrell – Public Works Director Adam Markos, PE – Black & Veatch

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### Agenda

- Dayton Water System
- Water Quality/Treatment
- Costs
- Environment/Sustainability/Equity





#### **Old Village Manganese**

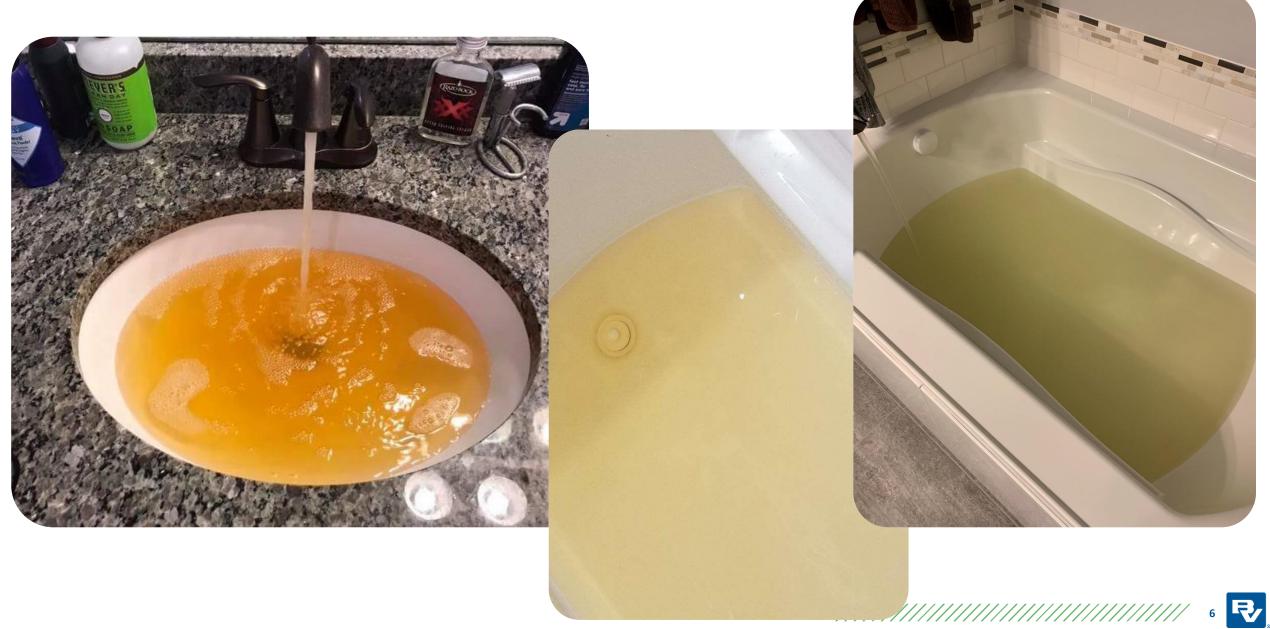
	Target (Secondary Standard)	Well #1 (Old Village)	Well #3 (Old Village)
Iron (µg/L)	300	1092	1123
Manganese (µg/L)	50*	348	233

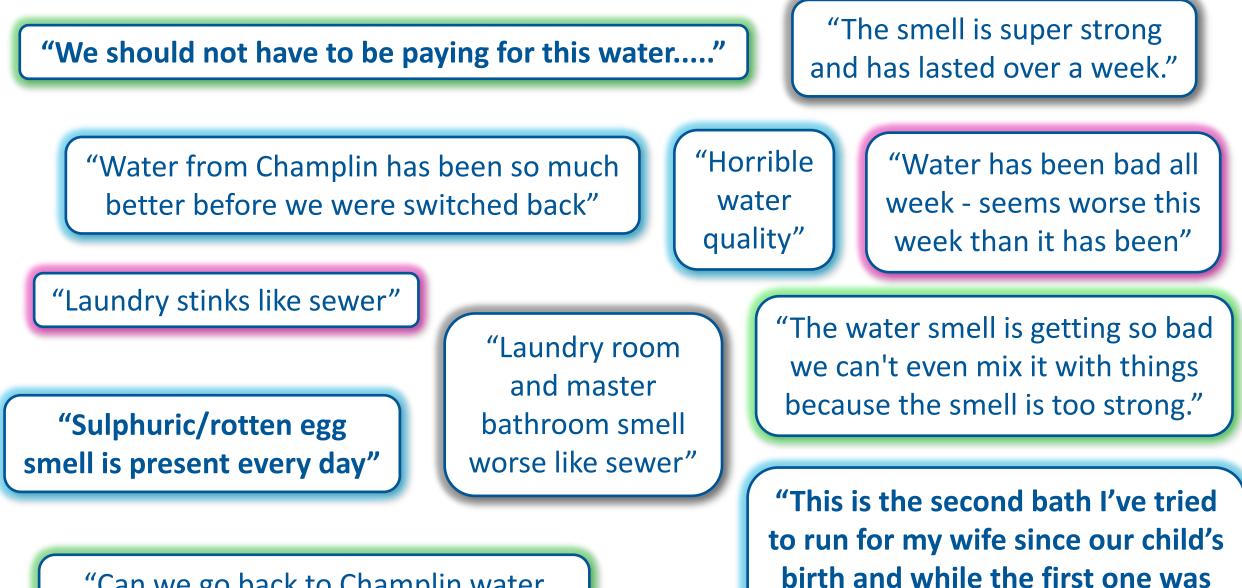
\*MDH Health Guidance indicates that for those less than 1 year a safe level of manganese is <100  $\mu$ g/L. For others, it is <300  $\mu$ g/L

#### **Northeast Iron**

	Target (Secondary Standard)	Well #2 (NE System)	Well #4 (NE System)
lron (μg/L)	300	988	1420
Manganese (µg/L)	50*	104	60

#### **Complaints – Color & Odor**

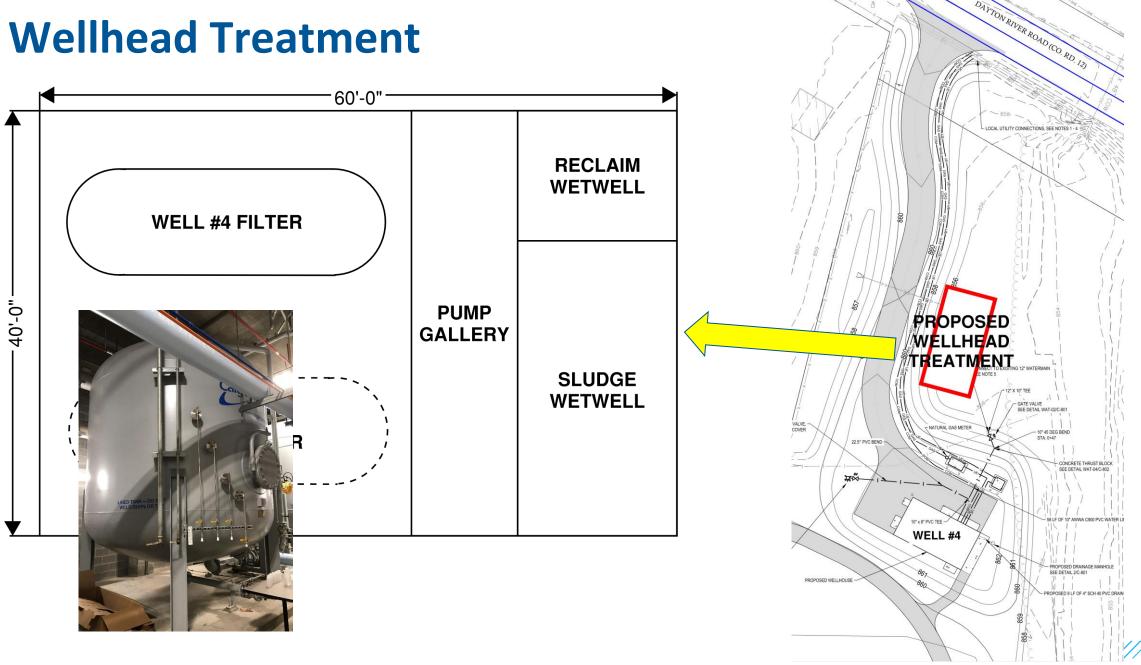




"Can we go back to Champlin water supply - the difference is night and day"

off color this one was obscene."

#### **Wellhead Treatment**



Cost

# Funding Request\$6.9M+ City Contribution\$1.1MTotal\$8.0M

**Cost – Inflation Increase** 

# Funding Request\$6.9M+ City Contribution\$2.1MTotal\$9.0M

#### **Environment, Sustainability, and Equity**

- Removal of iron and manganese will reduce chemical usage.
- Water will be recycled to reduce waste.
- Improve safety and aesthetics for all customers.



### Questions & Discussion

