



22 February 2022

Capital Project Funding Request Wellhead Treatment

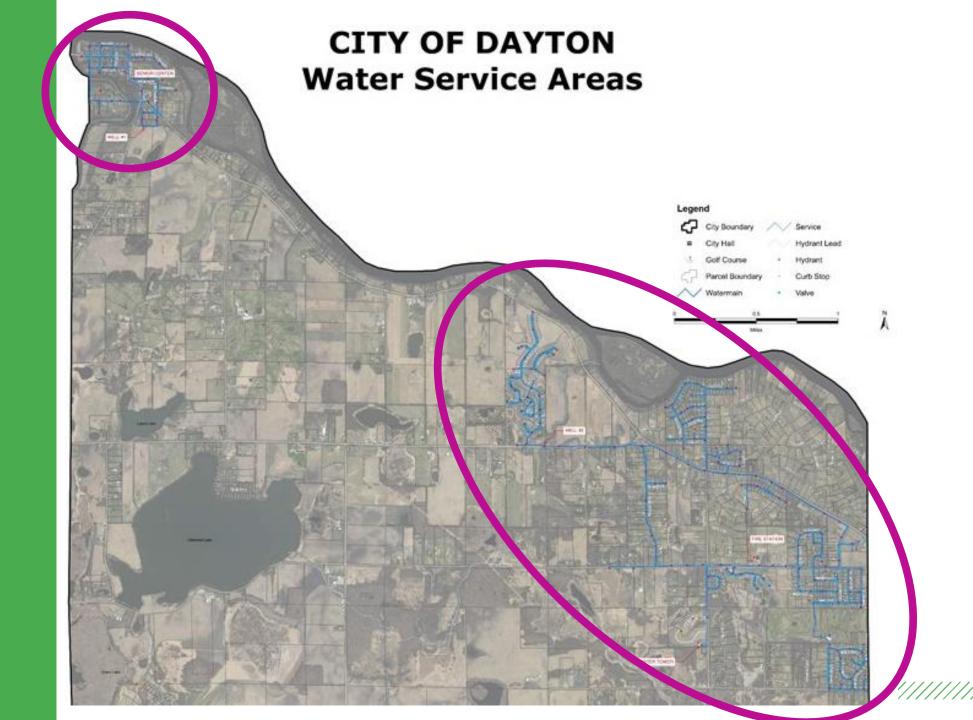
Martin Farrell – Public Works Director Adam Markos, PE – Black & Veatch

BUILDING A WORLD OF DIFFERENCE®



Agenda

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





Old Village Manganese

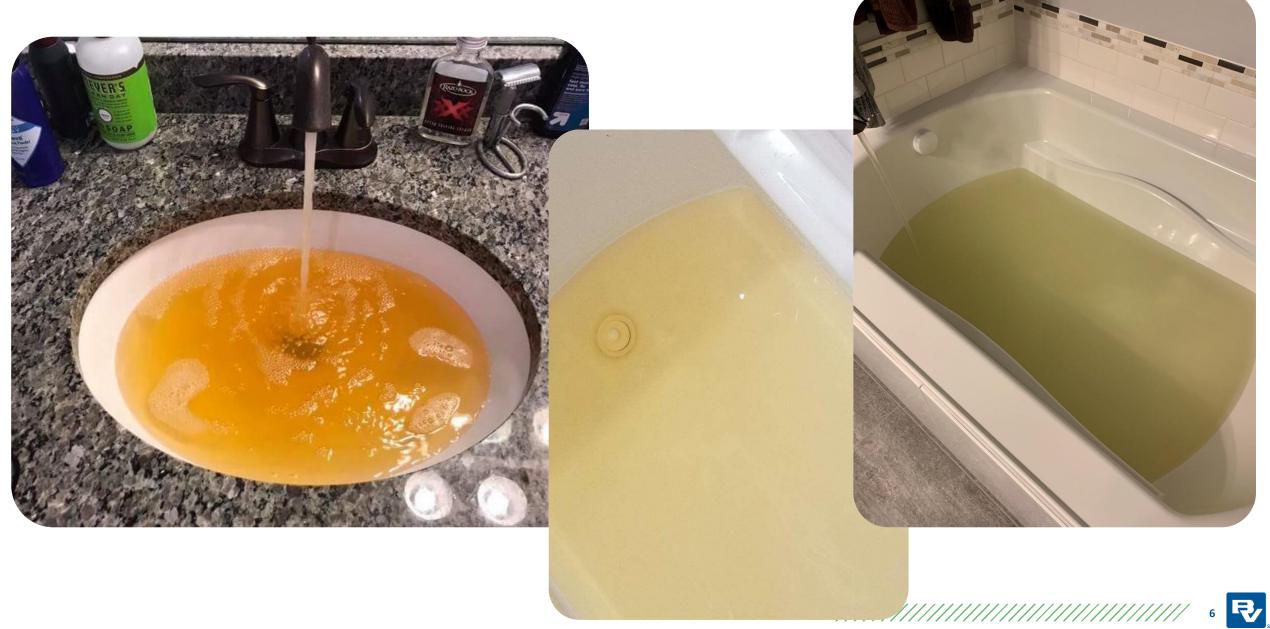
	Target (Secondary Standard)	Well #1 (Old Village)	Well #3 (Old Village)
Iron (µg/L)	300	1092	1123
Manganese (µg/L)	50*	348	233

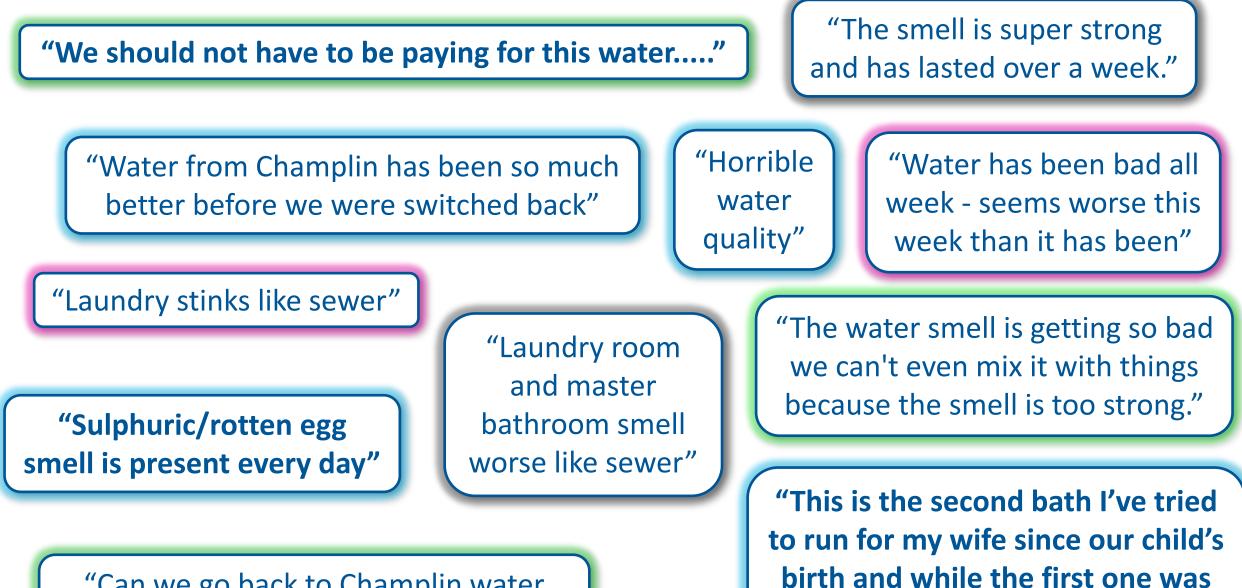
*MDH Health Guidance indicates that for those less than 1 year a safe level of manganese is <100 μ g/L. For others, it is <300 μ g/L

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

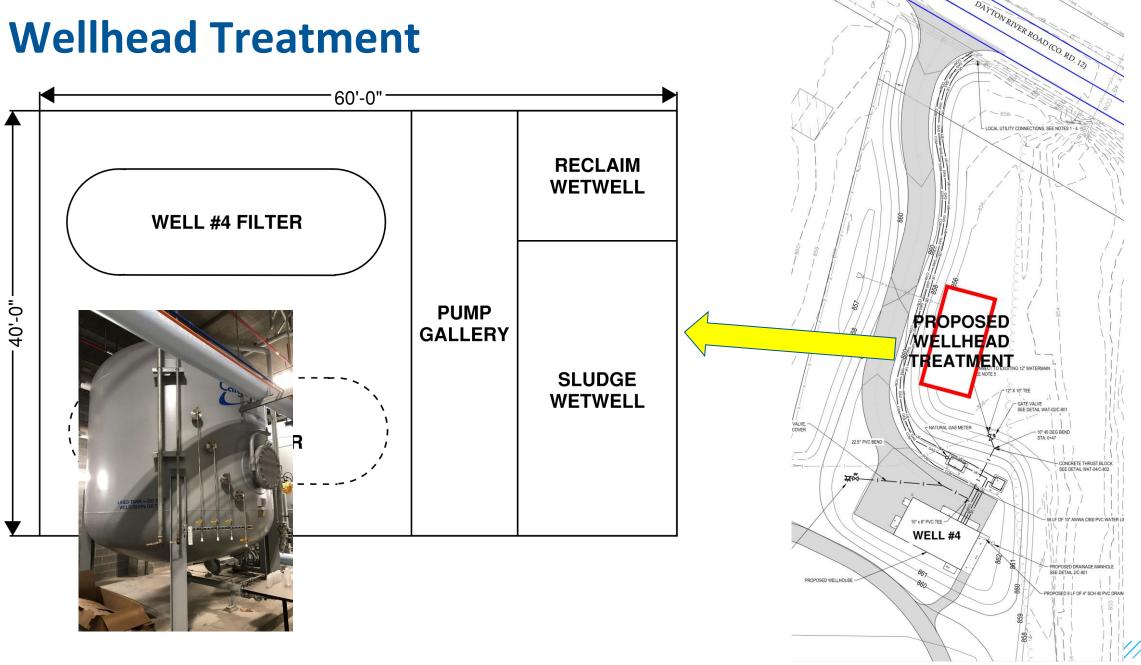




"Can we go back to Champlin water supply - the difference is night and day"

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

