



### Water Utility

Well 19 – Iron, Manganese & Radium Treatment

### Introduction



## Well 19 Iron, Manganese & Radium Treatment

- Overview
- Elements of a Great City
- Key Staff
- Council Actions
- Community Engagement

## Overview



#### Overview

- Improved Water Quality
  - Reduce naturally occurring contaminants (iron, manganese, radium) in source water
  - Enhance taste, color, and aesthetic of water
  - Fewer instances of tinted water, better-tasting water due to reduced metals
- Compliance with Health Standards
  - Radium levels have not violated federal health standards but occasionally exceeded the maximum contaminant level (MCL) of 5 pCi/L
  - Project aims to significantly reduce and consistently maintain radium levels well below the MCL
  - Ensures water safety for long-term consumption



#### Overview

- Project Timeline and Phases
  - Completed milestones: pilot testing, conceptual design, preliminary design
  - Currently in final design phase
  - Bidding in summer 2023, construction from late 2023 to 2025
  - Aim to complete construction and start testing by late 2025
- Minimal Disruption and Facility Enhancements
  - No planned water service disruptions or shut-offs
  - Construction of new treatment system in an addition to existing building.
  - Architecturally complementary design for improved facility appearance
  - Preserve existing landscaping, incorporate new native landscaping for visual appeal and screening

    CITY OF MADISON

## Elements of a Great City



## Elements of a Great City



- Green & Resilient
- Health & Safety

# **Key Staff**



# Key Staff

Name	Title/Role	Phone	Email	
Pete Holmgren	Chief Engineer	608.261.5530	530 pholmgren@madisonwater.org	
Joseph Grande	Water Quality Manager	608.261.9101	jgrande@madisonwater.org	
Adam Wiederhoeft	Engineer	608.266.9121	awiederhoeft@madisonwater.org	
Joe Demorett	Water Supply Manager	608.267.4902	jdemorett@madisonwater.org	

### **Council Actions**



### Council Actions

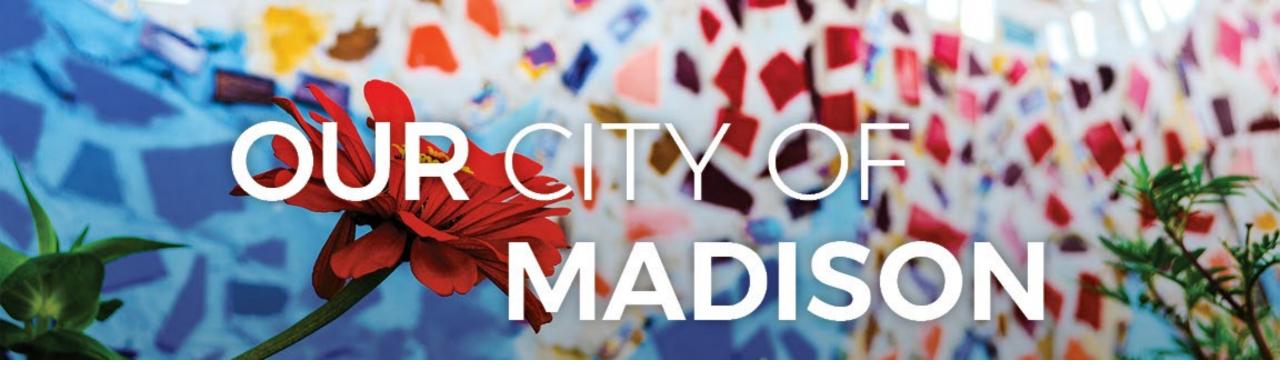
Description	File #	Date	Action
Well 19 Bid Advertisement	<u>75829</u>	02/28/2023	Pass
Well 19 Treatment System Design Options	73741	09/20/2022	Approved
Advertise For Engineering Design	<u>68500</u>	11/23/2021	Approved
Advertise for Engineering Consulting Services	<u>46978</u>	04/25/2017	Approved

# Community Engagement



## Community Engagement

- Project Website
- Public Information Meeting 1 Presentation
- Public Information Meeting 1 Question and Answer
- Public Information Meeting 2 Presentation





### Thank You!

Additional Information:

www.madisonwater.org