

Water Treatment Improvements

Funding Request:

The City is requesting **\$5,000,000** in Congressionally Directed Spending for the construction of a new water treatment facility to provide clean drinking water to residents and address water quality issues, including high levels of manganese.

Background:

On February 9, 2022, a health risk advisory was received from Minnesota Department of Health for having a high level of manganese in our drinking water system. While our drinking water complies with the Safe Drinking Water Act standards, recent testing indicates that the City's water has high levels of manganese that exceeds the health advisory limit for infants. Children and adults who drink water with high levels of manganese for a long time may have problems with memory, attention, and motor skills. Infants may develop learning and behavior problems if they drink water with too much manganese in it. We engaged Bolton and Menk in the fall of 2020 to complete a water system study to investigate water quality issues related to ongoing color and odor complaints received from residents, but were not aware at that time of the more urgent need to treat our water in order to address high levels of manganese.

Need for Improvements:

We cannot treat manganese with our current system, which consists of two active wells, one elevated storage tank, and a distribution system. A new water treatment facility is needed which would consist of the construction of a new well and well house, a treatment facility with aeration and detention for iron oxidation, the use of potassium permanganate for manganese oxidation, filtration for iron and manganese removal, chlorine for disinfection, as well as the addition of fluoride and a corrosion inhibitor.

A request for placement on the Drinking Water Revolving Loan Fund 2024 Intended Use Plan for water treatment improvements was submitted to the Department of Health DWRP Program and MN

Public Facilities Authority in June of 2023.

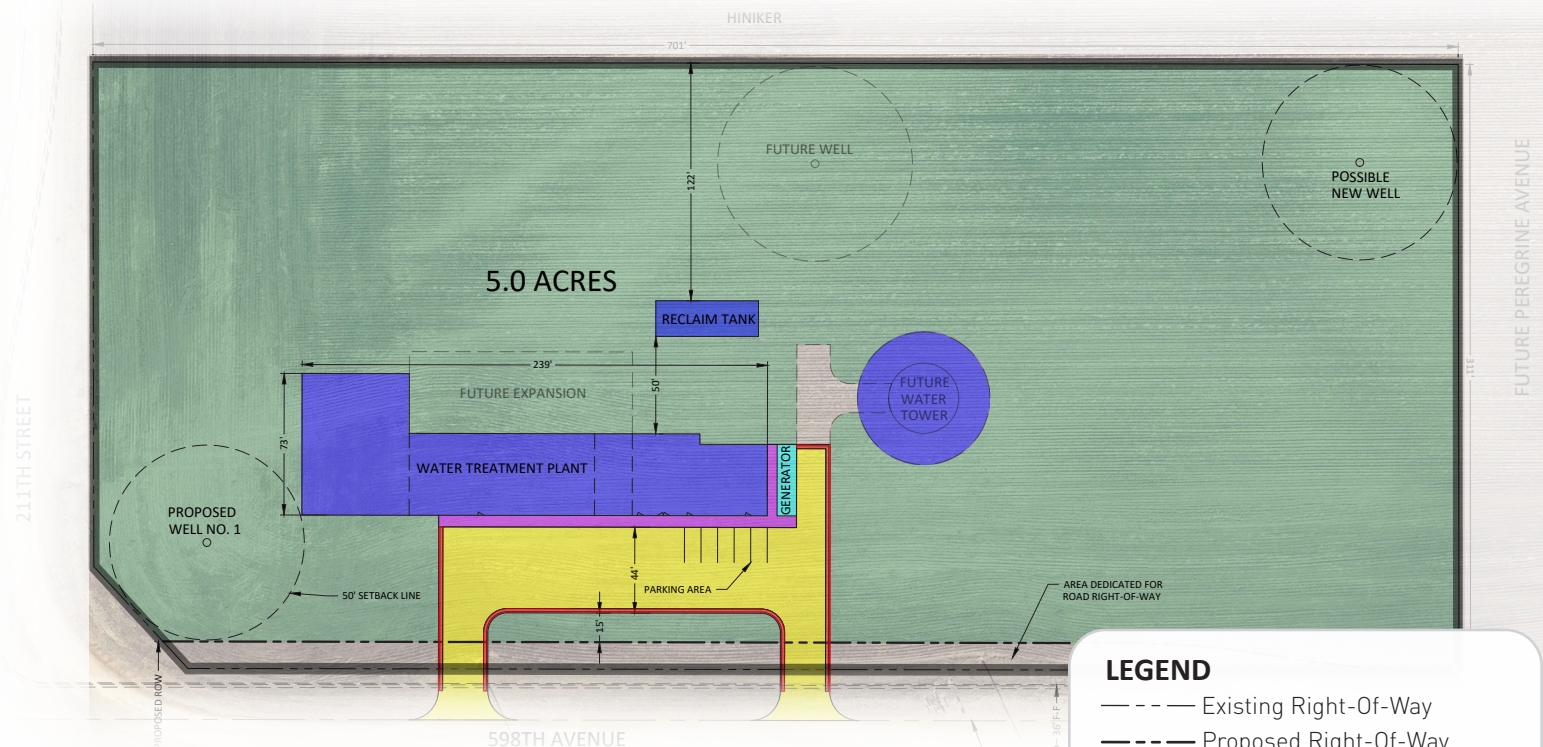


Overall Project Cost:

Eagle Lake is looking at an overall total project cost of \$14,153,000 to construct a new water treatment facility. An option to purchase land needed for the water treatment facility has been secured and a concept plan completed for the site.

Project Schedule:

Planning and Design - June 2024 through March 2025, with the goal to begin construction in the summer of 2025 and the facility online by the summer of 2027.



Contacts:

JENNIFER J. BROMELAND

City Administrator

P.O. Box 159

Eagle Lake, MN 56024

jbromeland@eaglelakemn.com

Phone: 507-399-1030

LISA NORTON

Mayor

P.O. Box 159

Eagle Lake, MN 56024

mayornorton@eaglelakemn.com

Phone: 651-888-1398

LEGEND

- Existing Right-Of-Way
- - - Proposed Right-Of-Way
- Yellow Bituminous Street / Driveway
- Cyan Concrete Driveway
- Pink Concrete Sidewalk
- Red Concrete Curb & Gutter
- Blue Water Structure
- Green Greenspace



Eagle Lake is in Blue Earth County, Minnesota
Current Population: 3,331
Legislative Districts: MN House - 18B, MN Senate - 18
US Representative: Brad Finstad (District 1)
US Senators: Amy Klobuchar and Tina Smith