

Study Session Agenda Item Memo

From: Kristin Zimmerman, Parks, Recreation & Forestry Director

Council Meeting: May 21, 2024

Subject: Edgebrook Golf Course Water Sourcing

Presenter: Kristin Zimmerman, Parks, Recreation & Forestry Director
Josh Bauman, Parks, Recreation & Forestry Assistant Director

Summary:

The presentation will provide an update on the Edgebrook Water Sourcing Project.

Background:

Edgebrook Golf Course has experienced reduced water collection due to draught years and shifting water tables. The City hired a consultant in 2023 to look at options for a sustainable water source for the Edgebrook Golf Course. It was determined that the best option for a potential water source is boring over to the LG Everist Ponds.

There are potential impacts which require further exploration, such as wetland implications, cost of the water, and the amount of water available.

Detail:

The Edgebrook Water Sourcing Project represents a multifaceted endeavor aimed at addressing the complex challenges surrounding water sourcing and management in our community. With concerns about water scarcity, environmental conservation, and financial sustainability at the forefront, this project is taking a comprehensive approach integrating various assessments and considerations.

To date, the following has been completed:

- 5 test well sites
- Consultation with East Dakota Water Development
- Contracted Services Performed
 - Evaluation of existing irrigation infrastructure
 - Core Sampling of Pond Bed
 - Recommendations for restoring the ponds
 - Alternative Site Analysis
 - Evaluation of potential reroute of surface drainage

What is Next for Edgebrook

- Discussion will continue with property owner for potential of water usage
- Contractor will perform
 - Feasibility studies of the ponds

- Assist with permitting with USDOT and Army Corps of Engineers
- Additional survey
- Engineered Design for the potential water source
- Construction Administration
- United States Golf Association site visit July 2024
 - Course Condition Assessment
 - Update Course Plan
 - Recommendations for the course dealing with low water situations

Navigating the complexities of the Edgebrook Water Sourcing Project requires a holistic approach which balances financial considerations, sustainability goals, and environmental stewardship. Through rigorous assessments, stakeholder engagement, and informed decision-making, the City is committed to developing a water sourcing strategy which meets the needs of our community, while safeguarding our natural resources for future generations.

Legal Consideration:

None

Financial Consideration:

Funding to date:

- 2024 Capital Improvement Plan - \$800,000

Most recent opinion of probable cost \$812,902; February 2024.

Supporting Documentation:

Presentation