

DATE: May 4, 2023
TO: Environmental Services Commission
FROM: Jaclyn Knoth, Utilities Engineering Asset Manager
SUBJECT: Asset Management Program Update

ACTION REQUIRED

No action is required by the Commission at this time. Staff will provide an update on the Utilities Asset Management Program.

BACKGROUND / ANALYSIS

The Utilities Department provides drinking water, wastewater, and storm and surface water services to our community. The infrastructure assets that support the delivery of these services require on-going operation, maintenance, and replacement throughout their life cycles. Asset management is a strategy utilized by Utilities to optimize performance while balancing risk and life-cycle costs of infrastructure assets. Utilities has a long-standing history of implementing asset management best practices to achieve Departmental priorities.

On May 4th, staff will provide a brief overview of the Asset Management Program including how it has developed over the years, program principles and objectives, and how operational connections are made across the Department.

The presentation will also highlight progress made on current asset management projects, including:

Renewal & Replacement Forecast Update

In the Renewal and Replacement Forecast Update, we have updated the tools and approach used to assess failure risk of Utility infrastructure and to prioritize renewal and replacement. In addition, this project will update the 75-year renewal and replacement fiscal forecast to inform future capital investment funding requirements.

Condition Assessment Projects

Direct condition assessment is a cornerstone of asset management and a consistent focus in Bellevue Utilities. The current condition assessment projects are future, and sustainability focused. There are active condition assessment projects for water mains, wastewater pump stations, and culverts. The projects will not only collect condition data but create tools and processes for ongoing management of the condition data.

Asset Information System Evaluation

Utilities will begin a review of asset data and systems to ensure efficient flow and ease of access to the information needed. This effort includes mapping our asset data and the systems it flows through to identify improvement opportunities. Additionally, we will perform a gap analysis and identify ways to optimize data collection, maintain data integrity, and automate processes and reporting.

POLICY ISSUES

There are no policy issues with this informational presentation.

FISCAL IMPACT

There are no fiscal issues with this informational presentation.

ATTACHMENTS & AVAILABLE DOCUMENTS

None.