

DATE: May 6, 2021
TO: Environmental Services Commission
FROM: Linda De Boldt, Utilities Engineering Assistant Director
SUBJECT: Life Cycle of an Asset – Informational Briefing

ACTION REQUIRED

No action is required; this is an informational briefing only.

BACKGROUND / ANALYSIS

The Utilities Department's mission is to actively support health and safety, quality neighborhoods, and a healthy and sustainable environment and economy by effectively managing drinking water, wastewater and storm and surface water services for the City of Bellevue.

These services that we reliably provide every day are dependent upon the City's utility infrastructure, valued at \$3.5 billion and consisting of miles of underground pipes, water and sewer pump stations, drinking water reservoirs, water supply inlet and pressure reducing valve stations, stormwater detention tanks, water quality facilities, and catch basins. This informational presentation will provide insight into the work processes that the Utilities Department employs to effectively operate, maintain, rehabilitate, and replace this large and diverse set of infrastructure assets to provide utility services for both present and future generations of customers.

Each infrastructure asset in our system has a "life cycle" and our presenters will highlight the major elements of the asset life cycle including how Utilities: 1) operates and maintains our infrastructure assets, 2) performs system and facility planning for rehabilitation and replacement of existing assets plus how we plan for new infrastructure to support the City's growth, 3) performs Capital Program budgeting, and 4) designs, builds, and commissions capital projects. We will also highlight Utilities' use of Asset Management principles and practices for data driven decisions, considering the whole life cycle of our assets; this enables us to optimize each phase of the asset life cycle so that ratepayers' dollars are used efficiently and effectively to meet our established levels of service.

Utilities staff will also provide an update to the Commission regarding the status of the Pike's Peak Reservoir Project, as requested in a previous Commission meeting.

POLICY & FISCAL ISSUES

N/A

ATTACHMENTS & AVAILABLE DOCUMENTS

None