



MEMORANDUM

☐ Action
☒ Information
☐ Discussion

DATE: February 6, 2020
TO: Environmental Services Commission
FROM: Angela Chung, Sr. Engineer, Utilities
SUBJECT: Lake Washington Sewer Lake Line Management Plan Overview

Action Required at this Time

None. This is an information briefing only.

Fiscal Impact

The Lake Washington Sewer Lake Line Management Plan is an approved project under the current CIP and will be included in the 2021-2027 Capital Investment Plan proposal.

Policy Issues

No policy issues are included in this briefing; however, future ESC briefings on the Lake Washington Sewer Lake Line Management Plan resulting from the study, may include policy issues.

Background

The City of Bellevue's 'Lake Lines' are a portion of the sewer system in which sewer pipes are located along the shorelines of Lake Washington and Lake Sammamish and are either underwater or are on land adjacent to the lakes. Approximately 14.6 miles of the Lake Lines run along the Lake Washington shoreline, through the waterfronts of Bellevue, Medina, Hunts Point, Yarrow Point, Beaux Arts Village and a small portion of unincorporated King County. The Lake Washington Lake Line system includes ten pump stations and eight flush stations. Most of the Lake Washington Lake Lines were constructed in the 1950s-60s to prevent raw sewage from being directly discharged into the lake. In 2016, a limited Condition Assessment was performed on the Lake Washington Lake Lines showing varying degrees of deterioration on the pipe and/or the pipe lining.

Management of the Lake Lines poses multiple challenges due to their location in and adjacent to the lake. Challenges include, but are not limited to: technical, environmental, operational and financial.

The Lake Washington Sewer Lake Line Management Plan is needed to understand, identify, and prioritize key issues present in the system and phase future repair, replacement and continued condition assessment of the Lake Lines.

On Tuesday, January 21, 2020, City Council approved a consultant contract with Carollo for professional services to assist Bellevue Utilities with the development of the Lake Washington Sewer Lake Line Management Plan. This will, in turn, allow staff to develop short and long term financial strategies for funding the Lake Lines program for many decades to come, and will drive both operational strategies and capital improvement projects.