



Staff Report

January 3, 2022 Council Workshop Meeting

Haight Reservoir Slope Stability Analysis

Presenter: Steve Wall, Public Works Director

Time Estimate: 5 minutes

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BACKGROUND: The City is partial owner of the Haight Reservoir and Dam located at the north end of NW Cascade Street just north of the intersection of McIntosh and NW 11th Avenue. Similar to the Lacamas Lake Dams, the Department of Ecology Dam Safety Office is the State agency responsible for ensuring dam owners meet the requirements identified in the Revised Code of Washington (RCW). The Dam Safety Office completed an inspection of the Dams in 2019. As part of that inspection, among other items, Ecology identified a need to complete a Slope Stability Analysis on the banks of the earthen dam. The City has used Stantec Consulting Services, Inc. to complete the annual inspections and other necessary work required by the Department of Ecology since receiving ownership of the Lacamas Lake Dams and for the Haight Reservoir.

SUMMARY: Stantec has provided the attached Scope of Work and Cost Estimate to complete the Slope Stability Analysis on the Haight Reservoir Dam. The work can not be completed until the ground is dry and stable enough to allow for the support of drilling equipment that will be used to complete the field work. As such, based on the schedule provided by Stantec in the Scope of Work, the final report will not be finished until August 2022. Results from the analysis will be shared with the City and Department of Ecology when complete. Any follow up analysis or work will be identified in the Stantec Report that will be completed as part of the Scope of Work.



Figure 1: Haight Reservoir Location

EQUITY CONSIDERATIONS:

What are the desired results and outcomes for this agenda item?

- Provide information to Council regarding the Haight Reservoir and inform Council of the need to perform a Slope Stability Analysis.

What's the data? What does the data tell us?

- The Department of Ecology is requiring that the work be completed.

How have communities been engaged? Are there opportunities to expand engagement?

- N/A

Who will benefit from, or be burdened by this agenda item?

- N/A

What are the strategies to mitigate any unintended consequences?

- Complete the Slope Stability Analysis to confirm the earthen dam is stable.

Does this agenda item have a differential impact on underserved populations, people living with disabilities, and/or communities of color? Please provide available data to illustrate this impact.

- N/A

Will this agenda item improve ADA accessibilities for people with disabilities?

- N/A

What potential hurdles exist in implementing this proposal (include both operational and political)?

- No hurdles are anticipated.

How will you ensure accountabilities, communicate, and evaluate results?

- A technical report will be completed that will provide the City and Ecology with the information and condition of the dams.

How does this item support a comprehensive plan goal, policy or other adopted resolution?

- N/A

BUDGET IMPACT: The cost to complete the work identified in the attached professional services agreement is \$65,244. There was money allocated in the 2021 adopted Budget to perform this work that will be carried over, or reallocated, in 2022.

RECOMMENDATION: This item is for Council's information only. Staff is proposing to include the professional services agreement with Stantec Consulting on the January 18, 2022 Regular City Council Meeting Consent Agenda.