Council Agenda Bill

AB Number

AB25-079

Agenda Bill Information

Title *

BP Pump Station Capacity Study

Action *

Discussion

Council Agenda Section

Committee Report

Council Meeting Date *

09/08/2025

Staff Member

Patrick Fry

Department *

Public Works

Committee

Parks and Public Works

Committee Date

09/02/2025

Exhibits

Packet Attachments - if any

Exhibit B.pdf	452.87KB
Exhibit A.pdf	254.15KB
BP Pump Station Study Contract - RH2.docx	66.34KB

Summary

Introduction *

Brief summary.

The Business Park (BP) Lift Station is currently operating at maximum capacity. With the hospital expansion due to be completed in Fall of 2026, the BP lift station may require capacity upgrades. This study is the first step to determining whether those upgrades are necessary and if so what they may be.

Proposed Motion

Adopt Resolution No. 1723 Awarding an Engineering Contract with RH2 for the BP Pump Station Capacity Improvements

Background/Overview *

What was done (legislative history, previous actions, ability to hyperlink)

The Snoqualmie Valley Health hospital campus is planning to expand by developing an office park located to the northwest of the intersection of Snoqualmie Parkway and SE 99th Street. The proposed development is anticipated to consist of medical office building space and restaurants, resulting in an

additional 50 equivalent residential units (ERUs). The proposed development will flow into the City of Snoqualmie's Hospital Pump Station, which then conveys sewage via the City's gravity system to the BP lift station. The BP lift station also serves the entirety of the SR II development.

The BP lift station was originally constructed in 1998 and received upgrades in 2008. The pump station is currently equipped with (2) 36 horse power pumps and an 8-inch and 6-inch force main. The station has a firm design capacity of 750 gpm. During peak hours, the pumps are cycling at or above the recommended frequency. The hospital expansion will add an additional 50 Equivalent Residential Units (ERUs), which will likely cause the pumps to further exceed the manufacturers guidelines.

Analysis *

The proposed study is to confirm that the BP Lift Station is at max capacity and the additional 50 ERUs will result in the lift station exceeding the design capacity. Following, the consultant will investigate the consequences of the additional flow as well as generating a technical memorandum with an alternatives analysis on the best way to increase capacity at the BP Lift station.

Budgetary Status *

This is an extra-budget expenditure.

Budget Summary

The City did not plan for a BP Lift Station upgrade in the current 2025-26 Biennial Budget or in the 2025-2030 Capital Improvement Plan. To incorporate the RH2 capacity study contract and any subsequent costs related to a BP Lift Station upgrade, as necessitated by the Snoqualmie Valley Health expansion, the City would need to delay key projects or increase the utility rates charged to current customers.

Administration recommends that the Snoqualmie Valley Health expansion project commits to reimbursing the City for the RH2 capacity study and any associated BP Lift Station upgrades before the City moves forward with this or other related contracts.

Fiscal Impact

Amount of Expenditure	Amount Budgeted	Appropriation Requested
$98,850.00	$0.00	$98,850.00

Fiscal Impact Screenshot