

Council Agenda Bill

AB Number

AB25-049

Agenda Bill Information

Title*

On-Call Water & Sewer Design Services

Action*

Motion

Council Agenda Section

Committee Report

Council Meeting Date*

04/14/2025

Staff Member

Andrew Vining

Department*

Public Works

Committee

Parks and Public Works

Committee Date

04/08/2025

Exhibits

Packet Attachments - if any

x1 Resolution.docx	22.05KB
x2 (Agreement).pdf	1MB
x3 Consultant Selection Memo.pdf	1.3MB

Summary

Introduction*

Brief summary.

This agenda bill seeks approval to select RH2 Engineering for upcoming on-call services needed to support the water and sewer utility. The City's water system plan identifies priority capital improvement projects and system capacity based on 2017 data. Updated system modeling and evaluation is needed to consider capacity for new development and scope upcoming capital improvements.

Proposed Motion

Approved Resolution 1714 selecting RH2 for on-call water & sewer design services.

Background/Overview*

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

The General Sewer Plan (GSP) and Water System Plan (WSP) provide a comprehensive analysis of each utility including priority capital improvements and projected system capacity. The utility plans are based on system wide modeling and evaluation completed in 2017. Over the past seven years utility conditions have changed. Noteworthy improvements include new equipment at the WRF and replacement of old utility

mains downtown. Operational equipment failures occurred at the canyon springs water treatment facility and at the 1040 and 799 zone booster pump stations requiring timely repairs to avoid service interruptions. New developments have added the number of utility services including those at Timber Trails, Panorama Apartments, and the Casino Hotel expansion. Planning for new development at the Mill Site, Snoqualmie Hospital, and downtown is underway. A current snapshot of the utility system is needed to best scope upcoming capital improvements and review utility needs for new development. RH2 prepared both water and sewer utility system plans and has demonstrated experience evaluating and modeling the City's utility needs.

Analysis*

The City recently completed major sewer utility improvements and will soon begin design of priority water utility improvements. The utility system plans serve as an excellent planning resource but specific items such as updated water capacity, distribution system analysis, and detailed site-specific evaluation is needed to effectively scope upcoming project needs. This on-call service contract includes work associated with the following six tasks:

- i. Review of water and sewer availability, and developer funded utility improvements including at the Mill Site.
- ii. Analyze water system pressure conditions with emphasis on the 599 and 799 pressure zones.
- iii. Evaluate the chlorination facility at Canyon Spring and consider capacity increases for aquifer storage and recharge.
- iv. Evaluate feasibility and alternatives for utilities attached to the SR 202 bridge.
- v. Evaluate pumps and electrical gear at the 1040 booster pump station.
- vi. Provide general on-call services to support the WRF and renew the NDPES permit.

Work under this contract is expected to occur over the next three years and will assist the City in kicking-off broader design efforts associated priority capital improvements. Administration recommends selecting RH2 for an on-call services contract to support the water and sewer utility.

Budgetary Status*

Funds have already been authorized in this year's budget.

Fiscal Impact

Amount of Expenditure	Amount Budgeted	Appropriation Requested
\$440,511.00	\$21,446,724.00	\$0.00

Budget Summary

Administration recommends approving a contract with RH2 Engineering in the amount of \$440,511 to provide on-call water and utility support services. Work associated with tasks 4 through 7 are incorporated into the draft 2025-2030 Utility Capital Improvement Plan (#417), the 2025- 2026 Biennial Budget, and the continuing project appropriations adopted under Ordinance No. 1296.

See Table 1 for the assignment of capital costs, totaling \$210,012. The Pressure Zone Conversions Project has a life-of-project budget of \$237,930, with \$465 spent and \$13,107 encumbered for city labor and overhead, leaving \$203,425 after the on-call assigned amount of \$34,040. The Canyon Spring Improvement Project has a life-of-project budget of \$1,549,308, with \$3,678 spent and \$8,553 encumbered for city labor and overhead,

leaving \$1,524,690 after the on-call assigned amount of \$20,940. The SR 202 Bridge Utility Main Replacement has a life-of-project budget of \$6,943,211, with \$98,668 spent and \$13,031 encumbered for city labor and overhead, leaving \$6,722,237 after the on-call assigned amount of \$122,306. The Utility Main & Drainage System Replacement Program has a life-of-project budget of \$3,540,078, with \$14,069 spent and \$59,974 encumbered for city labor and overhead, leaving \$3,493,283 after the on-call assigned amount of \$32,726.

The remaining tasks 1-3 and 8-9, totaling \$230,499, will be funded through utility operations' budgets and any charges associated with new developments will be billed to the appropriate developer. See Table 2 for the breakout. Services within Water Operations (#401) has a biennial budget of \$4,222,665 and has incurred \$383,974, with committed expenses of \$2,984,516, leaving \$769,240 after the on-call assigned amount of \$84,936. Services within Wastewater Operations (#402) has a biennial budget of \$4,953,532 and has incurred \$441,379, with committed expenses of \$3,016,405, leaving \$1,350,185 after the on-call assigned amount of \$145,563.

Fiscal Impact Screenshot

Table 1: RH2 On-Call for Utility Capital (#417)

	Capital Life-of-Project Budget (Ord. 1296)			
	Pressure Zone Conversions Project	Canyon Spring Improvement Project	SR 202 Bridge Utility Main Replacement Project	Utility Main & Drainage System Replacement Program
Beginning Budget	\$ 237,930	\$ 1,549,308	\$ 6,943,211	\$ 3,540,078
Expenditures	\$ (465)	\$ (3,678)	\$ (98,668)	\$ (14,069)
Outstanding Contract Value (Previously Approved)	\$ -	\$ -	\$ -	\$ -
Estimated Labor Value for Remainder of Biennium (City Employees)	\$ (13,107)	\$ (8,553)	\$ (13,031)	\$ (59,974)
Current Available Budget	\$ 237,465	\$ 1,545,630	\$ 6,844,543	\$ 3,526,009
Value of this On-Call Contract (AB25-049)	\$ (34,040)	\$ (20,940)	\$ (122,306)	\$ (32,726)
Available Budget after the On-Call Contract	\$ 203,425	\$ 1,524,690	\$ 6,722,237	\$ 3,493,283

Table 2: RH2 On-Call for services within Water Operations (#401) and Wastewater Operations (#402)

	2025-2026 Biennial Budget	
	Water Services (#401)	Wastewater Services (#402)
Beginning Budget	\$ 4,222,665	\$ 4,953,532
Expenditures	\$ (383,974)	\$ (441,379)
Outstanding Contract Value (Previously Approved)	\$ (2,984,516)	\$ (3,016,405)
Current Available Budget	\$ 854,176	\$ 1,495,748
Value of this On-Call Contract (AB25-049)	\$ (84,936)	\$ (145,563)
Available Budget after the On-Call Contract	\$ 769,240	\$ 1,350,185