



BUSINESS OF THE CITY COUNCIL CITY OF SNOQUALMIE

AB23-002
January 9, 2023
Choose an item.

AGENDA BILL INFORMATION

TITLE:	AB23-002: Amendment with RH2 Engineering for Water Reclamation Facility Phase 3 Services	<input type="checkbox"/> Discussion Only
PROPOSED COUNCIL ACTION:	Approve an amendment to the design services agreement with RH2 Engineering.	<input checked="" type="checkbox"/> Action Needed: <input checked="" type="checkbox"/> Motion <input type="checkbox"/> Ordinance <input type="checkbox"/> Resolution

REVIEW:	Department Director/Peer	Mike Chambless	12/29/2022
	Finance	Drew Bouta	12/28/2022
	Legal	Anna Astrakhan	12/19/2022
	City Administrator	Mike Sauerwein	Click or tap to enter a date.

DEPARTMENT:	Parks & Public Works		
STAFF:	Andrew Vining		
COMMITTEE:	Parks & Public Works	COMMITTEE DATE: January 4, 2023	
MEMBERS:	Bryan Holloway	Ethan Benson	Jo Johnson
EXHIBITS:	1. Amendment to RH2 Services Agreement 2. CIP Excerpt: Water Reclamation Facility Phase 3		

AMOUNT OF EXPENDITURE	\$ 158,000
AMOUNT BUDGETED	\$ 13,357,000 (23-24 Biennium)
APPROPRIATION REQUESTED	\$ 0

SUMMARY

INTRODUCTION

This agenda bill seeks to amend the existing services agreement with RH2 Engineering for the Water Reclamation Facility (WRF) Phase 3 to include engineering support services during construction and Supervisory Control and Data Acquisition (SCADA) Programming of the Kimball Creek Lift Station Improvements. These improvements will increase efficiency at the WRF and replace aging equipment at the Kimball Creek Lift Station.

LEGISLATIVE HISTORY

The original contract with RH2 Engineering was approved by Council on February 28, 2022 under [AB22-031](#) to complete preliminary design of the WRF Phase 3 Improvements which included preliminary and final design of the Kimball Creek Lift Station Improvements. On August 22, 2022 under [AB22-108](#) Council Approved Amendment No. 1 to the services agreement to include services during bidding of the Kimball Creek Lift Station Improvements.

BACKGROUND

The City's General Sewer Plan identified multiple projects for the Phase 3 of the WRF Improvements including the Kimball Creek Lift Station Project. This project will replace one of the three pumps with a smaller baseflow pump operated on a variable frequency drive (VFD) to smooth out the flow to the WRF. This project will also upgrade the original 1997 electrical gear with modern controls to allow for the WRF to communicate directly to the lift station. These improvements will increase efficiency throughout the WRF.

The City contracted with RH2 in February 2022 to complete design of the WRF Phase 3 including the Kimball Creek Lift Station Improvements. The design work began in February 2022 and the Kimball Creek Lift Station Improvements was advertised to bidders on November 14th, 2022. Early bidding and award of these improvements allows for the contractor to procure electrical equipment with long lead times. Engineering support for this work is scheduled to begin in winter 2023 as the contractor begins submittals for early equipment procurement.

Below is summary of the current and proposed engineering services related to the Kimball Creek Lift Station Improvements:

- Task 3 – Preliminary and Final Design of Kimball Creek Lift Station (Completed under original contract)
- Task 5 – Services During Bidding for Kimball Creek Lift Station (Completed under Amendment 1)
- Task 9 – Services During Construction for Kimball Creek Lift Station (Proposed Amendment 2)
- Task 10 – Supervisory Control and Data Acquisition (SCADA) Programming for Kimball Creek Lift Station (Proposed Amendment 2)

ANALYSIS

The intent of this project is to increase efficiency at the WRF and replace aging equipment at the lift station. Early bidding and award of these improvements allows for the contractor to procure electrical equipment with long lead times. Engineering support for this work is scheduled to begin in winter 2023 as the contractor begins submittals for early equipment procurement. These tasks were anticipated at the time of the original contract and the fee is consistent with original project budget estimates.

BUDGET IMPACTS

Administration recommends approving a contract with RH2 Engineering in the amount of \$158,000 to provide engineering support services for the Kimball Creek Lift Station improvements, which is a subproject of the larger Water Reclamation Facility Improvements – Phase 3 project. The City incorporated the larger project into the 2023-2028 Capital Improvement Plan (CIP) (see Exhibit #2) for a total project budget of \$15,262,217 and into the 2023-2024 Biennial Budget for a budget of \$13,357,000 during the biennium. When accounting for the expenditures previously incurred, the outstanding value of contracts previously approved, the value of this contract, and the value of the contract in AB23-001, the City has a remaining project budget of \$12,673,895 and remaining budget of \$11,256,317 for the biennium (please see the table below or on the next page). Therefore, sufficient appropriation exists within the 2023-2024 Biennial Budget (Utilities Capital Fund #417) to fund the contract.

Water Reclamation Facility Improvements – Phase 3 Budget Table:

	Life-of-Project Budget (Multiple Bienniums)	2023-2024 Biennial Budget
Beginning Budget	\$ 15,262,217	\$ 13,357,000
Expenditures	\$ (487,639)	-
Outstanding Contract Value <i>(Previously Approved)</i>	\$ (711,376)	\$ (711,376)
Current Available Budget	\$ 14,063,202	\$ 12,645,624
Value of this Contract <i>(AB23-002)</i>	\$ (158,000)	\$ (158,000)
Value of Contract in AB23-001	\$ (1,231,307)	\$ (1,231,307)
Available Budget after AB23-001 & AB23-002	\$ 12,673,895	\$11,256,317

NEXT STEPS

Following Council approval staff will work with the Mayor to execute Amendment No. 2 with RH2 Engineering. RH2 will begin submittal review for early equipment procurement in winter 2023. Mechanical and electrical construction at the lift station is expected to occur spring 2024, following the wet season and following receipt of electrical gear. The lift station pump improvements will be operational by October 2024 following commissioning and SCADA programming.

PROPOSED ACTION

Move to approve an amendment to the WRF Phase 3 design services agreement with RH2 Engineering.