



BUSINESS OF THE CITY COUNCIL CITY OF SNOQUALMIE

AB23-063
May 22, 2023
Choose an item.

AGENDA BILL INFORMATION

TITLE:	AB23-063: Amendment with RH2 Engineering for Water Reclamation Facility Phase 3 Services During Construction	<input type="checkbox"/> Discussion Only
PROPOSED COUNCIL ACTION:	Approve an amendment to the agreement with RH2 Engineering for services during construction	<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	n/a
	Finance	Janna Walker	5/5/2023
	Legal	Anna Astrakhan	5/4/2023
	City Administrator	Mike Sauerwein	n/a

DEPARTMENT:	Parks & Public Works		
STAFF:	Andrew Vining		
COMMITTEE:	Parks & Public Works	COMMITTEE DATE: May 16, 2023	
MEMBERS:	Ethan Benson	Bryan Holloway	Jo Johnson
EXHIBITS:	1. Amendment to RH2 Services Agreement 2. CIP Excerpt: Water Reclamation Facility Phase 3		

AMOUNT OF EXPENDITURE	\$ 1,373,095
AMOUNT BUDGETED	\$ \$15,262,217
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 major improvements at the WRF Site. The WRF Phase 3 Improvements will increase sewer treatment capacity, enhance performance, and replace critical components that are nearing the end of their expected service life.

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. On August 22, 2022 under [AB22-108](#) Council Approved Amendment No. 1 to the services agreement to include final design, permitting, and services during bidding of the WRF Phase 3 Improvements. On January 9, 2023 under [AB23-002](#) Council Approved Amendment No. 2 to the services agreement to include engineering services support services during construction and SCADA Programming for the Kimball Creek Lift Station.

BACKGROUND

The City's General Sewer Plan identified multiple projects for the Phase 3 of the WRF Improvements including major improvements at the headworks, oxidation ditches, and solids handling facility. These major improvements will increase treatment capacity, enhance performance, and replace components that are nearing the end of their expected service life. In May 2022, during WRF Phase 3 preliminary design, the City entered into an agreement with the Snoqualmie Tribe for the provision of added sewer utility service related to Casino expansion scheduled to soft start in fourth quarter 2024. The agreement included General Facility Charges (GFCs) as well as project schedule milestones to ensure that commercially reasonable and best efforts are made such that added sewer utility services will be available for the soft opening.

The final design work is now complete and the WRF Phase 3 Improvements were advertised to bidders on April 21st, 2023. Early bidding and award of these improvements allows for the contractor to procure equipment with long lead times and phase construction for minimal impacts to WRF operations. Engineering support for this work is scheduled to begin in summer 2023 as the contractor begins submittals for early equipment procurement.

Below is a summary of the current and proposed engineering services related to the Phase 3 Improvements at the WRF:

- Task 2 – Preliminary Design of Major WRF Improvements (Completed under original contract)
- Task 6 – Final Design of Major WRF Improvements (Completed under Amendment 1)
- Task 7 –Permitting for Major WRF Improvements (Completed under Amendment 1)
- Task 8 – Support During Bidding for the Major WRF Improvements (Completed under Amendment 1)
- Task 11 – Support During Construction of Major WRF Improvements (Proposed under Amendment 3)
- Task 12 –SCADA Programming for Major WRF Improvements (Proposed under Amendment 3)

ANALYSIS

The intent of this project is to increase the capacity of the WRF, replace aging equipment, and enhance treatment performance to maintain compliance with the NDPES Permit. The design phase work is complete and construction is expected to begin promptly to maintain permit compliance and fulfill obligations to current and future sewer customers. Engineering support for this work will summer 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 approval of Amendment No. 3 with RH2 Engineering in the amount of \$1,373,095 to include engineering support services during construction and Supervisory Control and Data Acquisition (SCADA) Programming of major improvements at the WRF Site. The City incorporated the project into the 2023-2028 Capital Improvement Plan (CIP) (see Exhibit #2) with a total project budget of \$15,262,217 and into the 2023-2024 Biennial Budget with a budget of \$13,357,000. When accounting for the expenditures previously incurred, the outstanding value of contracts previously approved, and the value of this contract, the City has a remaining project budget of \$10,451,039 and a remaining budget of \$9,251,503 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.

WRF Phase III

	Life-of-Project Budget (Multiple Bienniums)		2023-2024 Biennial Budget	
Beginning Budget	\$	15,262,217	\$	13,357,000
Expenditures	\$	(1,019,530)	\$	(313,849)
Outstanding Contract Value	\$	(2,418,553)	\$	(2,418,553)
Current Available Budget	\$	11,824,134	\$	10,624,598
Value of this Purchase Order (AB23-063)	\$	(1,373,095)	\$	(1,373,095)
Available Budget after AB23-063	\$	10,451,039	\$	9,251,503

NEXT STEPS

Following Council approval staff will work with the Mayor to execute Amendment No. 3 with RH2 Engineering. RH2 will begin submittal review for equipment procurement early summer 2023. Construction of the new blower building, headworks improvements, and solids handling improvements is expected to occur over the next year. Following completion of these tasks the oxidation ditches will be retrofitted one at time. The new treatment process will begin startup during winter 2024 and construction completion is expected during summer 2025 following commissioning and SCADA programming.

PROPOSED ACTION

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