



BUSINESS OF THE CITY COUNCIL CITY OF SNOQUALMIE

AB22-108
August 22, 2022
Committee Report

AGENDA BILL INFORMATION

TITLE:	AB22-108: Water Reclamation Facility Phase 3 Update and Amendment to RH2 Services Agreement	<input type="checkbox"/> Discussion Only
PROPOSED 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	8/9/2022
	Finance	Drew Bouta	8/9/2022
	Legal	Anna Astrakhan	8/3/2022
	City Administrator	Mike Sauerwein	8/9/2022

DEPARTMENT:	Parks & Public Works		
STAFF:	Andrew Vining		
COMMITTEE:	Parks & Public Works	COMMITTEE DATE: August 16, 2022	
MEMBERS:	Bryan Holloway	Ethan Benson	Jo Johnson
EXHIBITS:	1. Amendment No. 1 Water Reclamation Facility Phase 3 Improvements 2. CIP Worksheets - Amended 2021-2026 CIP May 2021 3. CIP Worksheet, pg 81 - 2023-2028 CIP Adopted August 2022		

AMOUNT OF EXPENDITURE	\$ 664,887
AMOUNT BUDGETED	\$ 5,000,150 (for 2021-22 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 Project to include the final project design, permitting, and support during bidding. 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 May 31, 2022 under [AB22-073](#) Council Approved an amendment to the existing agreement between the City of Snoqualmie and the Snoqualmie Tribe for the provision of added sewer utility service. The agreement included General Facility Charges (GFCs) as well as appropriations to increase capacity of the WRF solids handling facility not originally included as part of the WRF Phase 3 project.

BACKGROUND

The City of Snoqualmie receives and treats municipal wastewater as defined by the Washington State Department of Ecology NPDES Permit. The permit limits are based on the capacity for which the WRF was designed. When wastewater flow and loading to the WRF reaches 85 percent of the design capacity, the City must begin the planning process for modifying the facility to increase capacity. In addition to these capacity requirements, many of the WRF components have operated continuously for the past 20 years and are nearing the end of their expected service life. Both the 2012 General Sewer Plan (GSP) and 2021 GSP identified the need to begin the planning process and increase the WRF capacity. The WRF Phase 3 Improvements will upgrade aging components with new equipment sized to handle future sewer flows and loads projected through the year 2040. In addition, the Phase 3 improvements will increase efficiencies and delay the need to expand capacity of the secondary clarifiers.

During the preliminary design phase, the project scope and budget was refined. Noteworthy updates are listed below:

- Added construction phasing to keep the WRF operational during construction.
- Added improvements to accommodate the Casino expansion.
- Pre-purchasing of equipment will be pursued to mitigate supply chain impacts.
- Future energy savings through high efficiency aeration equipment.

The project scope and budget will continue to be refined through final design.

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 NPDES Permit. The planning phase and preliminary design work was completed, and the final design should continue to advance through 2022 to maintain permit compliance and fulfill obligations to current and future sewer customers. Staff will continue to work with RH2 to refine the project and identify potential risks and opportunities.

BUDGET IMPACTS

Administration recommends approving Amendment No. 1 with RH2 Engineering in the amount of \$664,887 to complete design of the Water Reclamation Facility Phase 3 improvements. The City incorporated the Water Reclamation Facility Phase 3 improvements in the amended Capital Improvement Plan (CIP) that Council adopted in May of 2021 (see Exhibit 2 - original project budget: \$12,577,470) as well as the 2023-2028 CIP that Council adopted on August 8, 2022 (see Exhibit 3 - updated project budget: \$15,262,217). \$106,039 has been incurred against the project budget to-date with \$426,178 in outstanding contractual value. The City budgeted a total of \$5,000,150 during the 2021-2022 biennium for the Water Reclamation Facility Phase 3 improvements. When accounting for this amendment, the City will have a remaining budget of \$3,803,046 for the biennium. Therefore, sufficient appropriation exists within the current 2021-2022 biennial budget (Utilities Capital Fund #417) to fund the contract.

NEXT STEPS

The WRF Phase 3 final design and permitting is expected to be completed in spring 2023. Following design and permitting, bids will be solicited for the pre-purchasing of equipment as well as construction of the WRF Phase 3 Improvements.

PROPOSED ACTION

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