



BUSINESS OF THE CITY COUNCIL CITY OF SNOQUALMIE

AB23-001
January 9, 2023
Choose an item.

AGENDA BILL INFORMATION

TITLE:	AB23-001: Awarding the Kimball Creek Lift Station Improvements	☐ Discussion Only
PROPOSED COUNCIL ACTION:	Adopt Resolution No. 1633 awarding the Kimball Creek Lift Station Improvements to Pease & Sons, Inc. and authorize the Mayor to sign.	☒ Action Needed: ☒ Motion ☐ Ordinance ☐ Resolution

REVIEW:	Department Director/Peer	Mike Chambless	12/29/2022
	Finance	Drew Bouta	12/28/2022
	Legal	Anna Astrakhan	12/16/2022
	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. Resolution No. 1633 with agreement attached 2. Figure: Flow Pattern to the WRF Headworks 3. Bid Results: Kimball Creek Lift Station Improvements 4. Letter from RH2 Engineering Recommending Bid Award to Pease & Sons, Inc. 5. CIP Excerpt: Water Reclamation Facility Phase 3		

AMOUNT OF EXPENDITURE	\$ 1,231,307
AMOUNT BUDGETED	\$ 13,357,000 (23-24 Biennium)
APPROPRIATION REQUESTED	\$ 0

SUMMARY

INTRODUCTION

This agenda bill seeks adoption of Resolution 1633 awarding the Kimball Creek Lift Station Improvements project to Pease & Sons, Inc. Excessive flow cycling and spikes from Kimball Creek Lift Station create inefficiencies at the Water Reclamation Facility (WRF). The Kimball Creek Lift Station Improvements will replace one of the three pumps and upgrade all electrical gear to provide more efficient operations at the WRF.

LEGISLATIVE HISTORY

A contract with RH2 Engineering (RH2) was approved by Council on February 28, 2022 under [AB22-031](#) and amended on August 22, 2022 under [AB22-108](#) to complete final design, permitting, and bidding of the Kimball Creek Lift Station Improvements as a part of WRF Phase 3.

BACKGROUND

The Kimball Creek Lift Station is the largest lift station in the City and is located at the bottom of Snoqualmie Parkway. The lift station houses three pumps which convey all wastewater from Downtown and Snoqualmie Ridge directly to the WRF headworks. Originally constructed in 1997, the lift station consisted of two pumps and associated electrical gear. In 2012 a third pump was installed for added redundancy. All three pumps are equal size and far exceed the projected 2040 peak flow conditions. As a result, during periods of low flow conditions the lift station creates excessive flow cycling and spikes at the WRF which results in treatment inefficiency and excessive wear on equipment. 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 Kimball Creek Lift Station Improvements was advertised to contractors for bidding on November 14th, 2022. Four bids were received, and the lowest bid was from Pease & Sons, Inc. for \$1,231,307 including tax. RH2 and City Staff determined Pease & Sons, Inc. to be the lowest responsive and responsible bidder. Due to long lead time on electrical gear and wet weather flow restrictions the project is currently on schedule for construction in spring 2024.

ANALYSIS

The intent of this project is to increase efficiency at the WRF and replace aging equipment at the lift station. The lowest bid received was \$1,231,307 which is 5 percent below the engineers estimate of \$1,297,000. Early bidding and award of these improvements allows for the contractor to procure electrical equipment with long lead times. City Staff and RH2 Engineering have reviewed the bids and recommended awarding the Kimball Creek Lift Station Improvements to Pease & Sons, Inc.

BUDGET IMPACTS

Administration recommends approving a contract with Pease & Sons, Inc. in the amount of \$1,231,307 to complete 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 #5) 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 AB23-002, 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). 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 <i>(Multiple Bienniums)</i>	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>(AB23-001)</i>	\$ (1,231,307)	\$ (1,231,307)
Value of Contract in AB23-002	\$ (158,000)	\$ (158,000)
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 the final contract agreement with Pease & Sons, Inc. The contractor is expected to begin electrical equipment submittal and procurement during 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.

PROPOSED ACTION

Move to adopt Resolution No. 1633 awarding the Kimball Creek Lift Station Improvements to Pease & Sons, Inc. and authorize the Mayor to sign.