

Council Agenda Bill

AB Number

AB25-050

Agenda Bill Information

Title*

Amendment for Water Reclamation Facility Phase 3 Services During Construction

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 Agreement.docx	35.18KB
x2 Scope and Fee.pdf	749.12KB
x3 Aerial Overview.pdf	283.88KB
x4 WRF Phase 3 Interim Operations Plan.pdf	2.96MB

Summary

Introduction*

Brief summary.

The WRF Phase 3 Improvements have increased treatment capacity, enhanced performance, and replaced critical components that were nearing the end of their expected service life. Basin 1 process and SCADA commissioning is underway, and improvements at Kimball Creek Lift Station are scheduled to begin this spring. During construction necessary out-scope services were encountered and are presented in Amendment No. 4.

Proposed Motion

Approve amendment No. 4 to the agreement with RH2 Engineering for services during construction

Background/Overview*

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

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 at the Kimball Creek Lift Station. On May 22, 2023 under [AB23-063](#) Council Approved Amendment No. 3. to the services agreement to include engineering services during construction and supervisory control and data acquisition (SCADA) programming.

BACKGROUND

The 2021 General Sewer Plan (GSP) identified the need to begin the planning process and increase the WRF capacity. The WRF Phase 3 Improvements have successfully upgraded aging components with new more efficient equipment sized to handle future sewer flows and loads projected through the year 2040.

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 which is expected to come online later this year. The agreement included General Facility Charges (GFCs) as well as project schedule milestones which the City has completed ahead of schedule.

Below is a summary of the engineering services related to the Phase 3 Improvements currently underway:

- Task 11 – Support During Construction of Major WRF Improvements

- Task 12 –SCADA Programming for Major WRF Improvements

During construction RH2 supported the project team through multiple complex and iterative process interruptions and startups. This included implementation of the Plan for Interim Operation (enclosed) which outlines steps needed to maintain treatment during the replacement of the headworks, oxidation ditches, and solids handling facility equipment. These major process transitions were completed successfully but at times required the project team to make timely adjustments and complete essential tasks related to the facility retrofit and SCADA programming.

The following necessary tasks required a greater level of support during construction: headworks screen replacement, arc flash power study, change order 1 catwalk design and power shutdown, change order 2 air pipe modifications and bubble mixer, and increased process and SCADA support during startup and commissioning of both activated sludge basins and two aerobic digesters.

Remaining support tasks include completion of the facility operation and maintenance manual, commissioning of basin 1, and additional SCADA programming including preparation of SCADA QA/QC report and documentation of commissioning.

Analysis*

WRF Phase 3 construction is nearly complete and initial process commissioning indicates that the improvements are successful. Construction advanced ahead of schedule and resulted in intensive construction and SCADA support services during the second half of 2024 and first half of 2025. Additional support services were necessary to avoid cost increases associated contractor delays and staff overtime,

and to ensure permit compliance. The purposed expanded tasks are necessary to complete process commissioning, SCADA programming and documentation of the phase 3 improvements.

City staff recommended approving an amendment for RH2 to complete additional effort needed to accomplish project closeout and commissioning of the Phase 3 Improvements.

Budgetary Status*

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

Fiscal Impact

Amount of Expenditure	Amount Budgeted	Appropriation Requested
\$196,000.00	\$16,990,359.00	\$0.00

Budget Summary

Administration recommends approving a fourth amendment to the contract with RH2 Engineering, Inc. in the amount of \$196,000 for WRF Phase 3. This project was incorporated in the 2025-26 Biennial Budget (Ord. 1296) as a part of the continuing appropriations for capital projects within the Utility Capital Fund (#417). The budget for this project is \$16,990,359. Over the life of this project, \$15,620,474 has been spent, \$988,599 has been encumbered for previously-approved contracts, and \$71,550 has been encumbered for estimated City employee labor. With the addition of the RH2 amendment of \$196,000, the project has a remaining available budget of \$113,736. Therefore, sufficient appropriation exists within the WRF Phase 3 budget (#417) to fund this amendment.

Fiscal Impact Screenshot

WRF Phase III

	Life-of-Project Budget <i>(Multiple Bienniums)</i>	
Beginning Budget	\$	16,990,359
Expenditures	\$	(15,620,474)
Outstanding Contract Value <i>(Previously approved)</i>	\$	(988,599)
Estimated Labor Value for Remainder of Biennium (City Employees)	\$	(71,550)
Current Available Budget	\$	309,736
Value of this Contract Amendment <i>(AB25-050)</i>	\$	(196,000)
Available Budget after AB25-050	\$	113,736