PARKS & PUBLIC WORKS COMMITTEE & COMMITTEE OF THE WHOLE MEETING AGENDA

Tuesday, May 20, 2025, at 5:00 PM

Snoqualmie City Hall, 38624 SE River Street & Zoom

COMMITTEE MEMBERS
Chair: Ethan Benson
Councilmembers: Bryan Holloway and Catherine Cotton

This meeting will be conducted in person at Snoqualmie City Hall and remotely using by Zoom.

Join by Telephone: To listen to the meeting via telephone, please call **253.215.8782** and enter Webinar ID **867 8554 3964** and Password **1700050121** if prompted.
Press *9 to raise your hand to speak. Raising your hand signals the meeting moderator that you have a comment.
Press *6 to mute and unmute.

Join by Internet: To watch the meeting over the internet via your computer, follow these steps:
1) Click this link.
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4) Please confirm that your audio works prior to participating.

CALL TO ORDER & ROLL CALL

AGENDA APPROVAL

PUBLIC COMMENTS (online public comments will not be taken).

MINUTES

1. Approval of minutes dated May 6, 2025.

PRESENTATION

2. Parks & Events Commission Presentation and Update

AGENDA BILLS

3. **AB25-059:** Selecting RH2 for Construction Management Services for the Reclaimed Water Distribution System Improvements Project

DISCUSSION

4. Director Reports:
    a. Staffing
    b. Project status

ADJOURNMENT

PARKS & PUBLIC WORKS COMMITTEE & COMMITTEE OF THE WHOLE MEETING MINUTES MAY 6, 2025

This meeting was conducted in person at Snoqualmie City Hall and remotely using Zoom.

CALL TO ORDER – Councilmember Cotton called the meeting to order at 4:30 pm.

Committee Members: Councilmembers Bryan Holloway, and Catherine Cotton were present. Councilmember Benson's presence was excused this evening.

Mayor Katherine Ross was also present.

City Staff:
Mike Chambless, City Administrator; Jeff Hamlin, Parks & Public Works Director; Phil Bennett, Deputy Parks & Public Works Director; Drew Bouta, Finance Director; Patrick Fry, Project Engineer; Andrew Vining, Project Engineer; Jen Hughes, Deputy Finance Director; Janna Walker, Budget Manager; Deana Dean, City Clerk; Fletcher Lacroix, IT Director; and Andy Latham, IT Support.

AGENDA APPROVAL - The agenda was approved as presented.

PUBLIC COMMENTS – There were no public comments.

MINUTES

1. The minutes from April 22, 2025, were approved as presented.

PRESENTATIONS

2. Puget Sound Energy Up and Go Program Progress Update introduced by Parks & Public Works Director Jeff Hamlin. Presentation provided by Kate Hartgering and Kerrie McNeal of Puget Sound Energy. Topics covered included an overview of the pole mounted charging program, where we are in the process including community outreach, location selection, and next steps. Design, permitting and installation to be performed by PSE who would own and maintain the chargers. Three potential sites include Swenson Park, Jeanne Hanson Community Park, or Centennial Fields Park. Committee questions followed. Construction schedule to be provided once permitting is complete. This presentation to be attached to the council meeting agenda.
3. NPDES Stormwater Presentation. Presentation and handout by Project Engineer Patrick Fry. Topics covered included background, 2024 stormwater highlights, bio-swale clearing, NPDES stormwater permit cycle components, general ongoing items – new permit, new permit items, and stormwater management for existing development (SMED). Committee questions and comments followed.

AGENDA BILLS

4. **AB25-060:** Snoqualmie Watershed Forum Interlocal Agreement Renewal. This item was introduced by Deputy Parks & Public Works Director Phil Bennett. Committee questions and comments followed. This item is approved to move forward at the May 12, 2025, City Council meeting.

DISCUSSION

ADJOURNMENT

The meeting was adjourned at 5:15 pm.

Minutes prepared by Deana Dean, City Clerk.
Recorded meeting audio is available on the City website after the meeting.
Minutes approved at the _____, 2025, Parks & Public Works Committee Meeting.

PARKS & EVENTS COMMISSION
MAY 13, 2025

- Welcomed two new Commissioners (Rene Campbell Price & Hadley Evarts) – now a full Commission
- Elections- for 2025, Chair: Emily Anderson, Vice-Chair: Paul Sweum
- Generated list/ideas for fundraising opportunities for YMCA Pool Expansion Project
- Discussion of city staff priority list (based on PROST plan), including Community Center, dog park on ridge (Stellar Park), & playground priorities
- To Do: create PEC-backed letter to King County representatives; encourage Snoqualmie residents to write letters to King County representatives; meet with Mayor Ross to propose fundraising ideas; generate & collect local interest via commissioners' presence at upcoming Splash Pad opening & Big Truck Day events

Council Agenda Bill

AB Number

AB25-059

Agenda Bill Information

Title *

Selecting RH2 to Provide Construction Management Services for the Reclaimed Water Distribution System Improvements Project

Action *

Motion

Council Agenda Section

Committee Report

Council Meeting Date *

05/27/2025

Staff Member

Andrew Vining, Project Engineer

Department *

Public Works

Committee

Parks and Public Works

Committee Date

05/20/2025

Exhibits

Packet Attachments - if any

Amendment 3	16KB
Scope of Work_Contract Amendment 3_Engineering Services During Construction.pdf	426.98KB
Qualifications Statement_Reclaimed Water Distribution System Improvements Construction Management and Inspection Services.pdf	3.18MB

Summary

Introduction *

Brief summary.

This agenda bill seeks to approve Amendment No. 3 selecting RH2 to provide Construction Management Services for the Reclaimed Water Distribution System Improvements Project scheduled to begin construction this spring.

This project is funded through a low-interest loan received from the Department of Ecology Clean Water State Revolving Fund. The improvements will upgrade the aging reclaimed water distribution system and bring it into compliance with current state standards.

Proposed Motion

Move to adopt Resolution xxxx approving Amendment No. 3 selecting RH2 Engineering for Construction Management Services and authorize the Mayor to sign.

Background/Overview *

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

LEGISLATIVE HISTORY

State Legislation

The state legislature approved the Reclaimed Water Use Act in 1992 codified as RCW 90.46. This act encouraged using reclaimed water for land application, industrial, and commercial uses. In 1997 the Water Reclamation and Reuse Standards were developed to support this act. Most recently in 2006 this act was amended to expand uses of reclaimed water and directed state agencies to develop framework for safe and beneficial use of reclaimed water – this amendment is the origin of the reclaimed water rule.

Following the 2006 legislative direction state agencies (Department of Health and Department of Ecology) jointly began developing the framework over a 12-year period based on stakeholder feedback. In 2018 the Reclaimed Water Rule (WAC 173-219) was adopted to encourage the use of reclaimed water to help meet the growing need for clean water across the state by establishing regulatory framework for the generation, distribution, and the use of reclaimed water for beneficial use. Concurrently agencies published the Reclaimed Water Facilities Manual or "Purple Book" which provides more in-depth guidance for utilities that produce reclaimed water.

City Legislation

Following the state adoption of Reclaimed Water Rule in 2018 the City began evaluating options to ensure compliance with updated state standards. On February 25, 2019 under **AB19-022** City Council authorized RH2 Engineering (RH2) to prepare a Reclaimed Water Irrigation System Analysis Feasibility Study to provide agency coordination and evaluate potential solutions to meet the Reclaimed Water Rule standards. During this period the City also renewed it's Water Reclamation Facility NPDES Permit WA0022403 (Permit) which authorizes the production and distribution of up to 1.56 million gallons of Class A Reclaimed Water daily. The City provided comment to the City's draft permit on February 24, 2020 and received responses from Ecology documented in the permit. The final Permit outlines necessary improvements to the City's reclaimed water distribution system and an associated compliance schedule. The following related agenda bills were presented to Council to facilitate these improvements and continue production of Class A water. On November 28, 2022 City Council approved **AB22-146** Resolution No. 1632 authorizing a contract with RH2 to complete a Reclaimed Water Distribution System Engineering Report. This contract was amended on October 3rd, 2023 under **AB23-110** which authorized RH2 to complete design of the reclaimed water reservoir improvements. On October 28th, 2024 under **AB24-116** Administration provided a project update to Council and solicited public

comments. On March 10th, 2025 City Council approved **Resolution No. 1709** accepting a $8.651M low (1.6 percent) interest loan from the Department of Ecology Clean Water State Revolving Fund (CWSRF) to apply towards project design and construction costs. On April 28th, 2025 City Council approved **Resolution No. 1713** awarding the project construction contract to Prospect Construction.

BACKGROUND

On March 18th, 2025 City staff advertised a request for qualifications (RFQ) for professional services for the purposes of construction management and inspection services needed to support the construction phase of the Reclaimed Water Distribution System Improvements. Following a four-week advertisement period qualifications were received from RH2 Engineering, and staff selected additional qualification statements from two additional firms, Gray and Osborne, and Parametrix listed on the City consultant roster. A panel of four City staff unanimously selected RH2 to provide construction management and inspection services for the project. City staff worked with RH2 to prepare a scope of work to complete the construction management and inspection tasks for the project. To reduce budget impacts the initial scope of work was reduced by eliminating tasks associated with SCADA programming, writing the Operation & Maintenance (O&M) Manual, and limiting the duration of on-site inspection. These eliminated tasks will be completed internally by City operations and engineering staff prior to project completion. The final scope of work is presented in Exhibit 2 and includes the minimum tasks needed to provide construction management and inspection thru project completion. The total fee for this work is $655,200. Construction phase support services should begin now to maintain schedule compliance with the NPDES permit requirements and complete the project prior to June 30th, 2026.

Analysis *

These improvements will bring the Class A water distribution system to current standards to ensure safe and reliable delivery of reclaimed water and preservation of potable water resources. RH2 has the available staff and qualifications needed to provide construction management and inspection services for this project. Their team has demonstrated experience successfully completing similar reservoir and pump station projects, as well as complex state funded wastewater projects. The scope of the consultant involvement has been reduced to limit budget impacts. The consultant services proposed in Exhibit 2 are intended to provide a limited but sufficient level of construction phase controls needed meet the state funding requirements and successfully complete the project. City Staff recommended selecting RH2 for the construction management and inspection services needed to complete the Reclaimed Water Distribution System Improvements project.

Budgetary Status *

Funds will be requested for this action, if approved, in this year's budget.

Fiscal Impact

Amount of Expenditure	Amount Budgeted	Appropriation Requested
$655,200.00	$8,651,047.00	$655,200.00

Budget Summary

Administration recommends approving an amendment to the contract with RH2 in the amount of $655,200 for construction management of the Eagle Lake Water Reclamation Basin Improvement Project. This project was incorporated in the 2025-26 Biennial Budget (Ord. 1296) as part of the continuing appropriation for capital projects within the Utility Capital Fund (#417). Over the life of this project, $1,020,758 has been spent, with $7,643,447, $414,050, and $22,812 encumbered respectively for previously approved contracts, estimated City employee labor during the biennium, and loan issuance costs. With the addition of the RH2 contract of $655,200, and in conjunction with the $7,178,870 Prospect Construction contract from AB25-048, the project has a project budget shortfall of $1,105,220 within the Utility Capital Fund (#417), as shown in the first table below.

Administration anticipates bringing an amendment forward to increase the Eagle Lake Water Reclamation Basin Improvement Project budget by the current shortfall of $1,105,220. The shortfall will be somewhat mitgated by an $9,101,870 Department of Ecology (Ecology) loan. $2,224,677 of the loan amount was not factored into the 2024 Utility Rate Study, as shown in the second table. The amount of the Ecology loan not factored into the 2024 Utility Rate Study, which has a 1.6% interest rate, will be offset partially by a reduction in the anticipated size of the 2025 Revenue Bond, which has an estimated interest rate of 5.0%.

If Council approves the most recent $450,870 increase to the Ecology loan, then the adjusted Ecology loan combined with other debt within the wastewater utility will cost the city an estimated $523,886 annually, which is $4,124 higher than the estimated $519,762 in new wastewater debt service originally anticipated by the 2024 Utility Rate Study. See the final table below for these figures. This $4,124 annual increase will affect the first 20 years of both loans. After that point, when the 20-year Revenue Bond retires, the City would continue to pay $93,952 annually for the final 10 years of the Ecology loan above that provided for within the Utility Rate Study. Administration proposes funding the annual $4,124 gap by decreasing the amount spent within Utility Main and Drain Replacement Program. The $93,952 debt service for years 21 through 30 can continue using money from the Utility Main and Drain Replacement program, but this decision will be addressed in future rates studies.

Fiscal Impact Screenshot

Eagle Lake Water Reclamation Basin Improvement Project

	Life-of-Project Budget *(Multiple Bienniums)*
Beginning Budget	$ 8,651,047
Expenditures	$ (1,020,758)
Outstanding Contract Value *(Previously Approved)*	$ (7,643,447)
Estimated Labor Value for Biennium *(City Employees)*	$ (414,050)
Loan Issuance Cost	$ (22,812)
Current Available Budget	$ (450,020)
Value of this Contract *(AB25-059)*	$ (655,200)
Available Budget / (Shortfall) after AB25-059	$ (1,105,220)

Changes from the 2024 Utility Rate Study (Eagle Lake Water Reclamation Basin Improvements)

	2024 Utility Rate Study	2025 Project Adjustment	Increase (Decrease)	% Change
Original Project Budget	8,651,047	8,651,047	-	0%
Project Budget Amendment Required	-	1,105,220	1,105,220	100%
Eagle Lake Project Budget =	***8,651,047***	***9,756,267***	***1,105,220***	***13%***
Department of Ecology Loan	6,877,193	9,101,870	2,224,677	32%
Other Funding Sources (Cash and/or Revenue Bond)	1,773,854	654,397	(1,119,457)	-63%
Planned Funding Sources =	***8,651,047***	***9,756,267***	***1,105,220***	***13%***

Changes from the 2024 Utility Rate Study (2025 Debt Issuances)

	2024 Utility Rate Study	2025 Debt Adjustment	Increase (Decrease)	% Change
Department of Ecology Loan (30 years, 1.6%)	6,877,193	9,101,870	2,224,677	32%
2025 Revenue Bond (20 years, 5.0%)	2,857,905	1,738,448	(1,119,457)	-39%
Planned 2025 Debt Issuances =	***9,735,098***	***10,840,318***	***1,105,220***	***11%***
Planned Debt Service Payment (2025-2044) =	***519,762***	***523,886***	***4,124***	***1%***
Planned Debt Service Payment (2045-2054) =	***290,437***	***384,389***	***93,952***	***32%***

CITY OF SNOQUALMIE
AGREEMENT FOR CONSULTANT SERVICES
Amendment No. 3
Eagle Lake Water Reclamation Basin Improvements

This Amendment No. 3 to Agreement for Consulting Services is entered into by and between the City of Snoqualmie, a Washington municipal corporation, ("City") and RH2 Engineering, Inc., a Washington corporation, ("Consultant"). City and Consultant are collectively referred to herein as "the Parties."

WHEREAS, the City and Consultant previously entered into an Agreement for Consultant Services on December 2, 2022 ("Agreement"), which provided for Consultant to complete an engineering report and design cross-control improvements to the Class A reclaimed water distribution system;

WHEREAS, on October 9th, 2023, Council approved Amendment No. 1 to the Agreement that included final reservoir design, permitting, support during bidding, and update the City's Reclaimed Water System Plan;

WHEREAS, on December 19th, 2024, Council approved Amendment No. 2 to the Agreement that included final design, permitting, support during bidding, for the new irrigation pump station; and

WHEREAS, Consultant has the resources and capability to perform this work and has provided a scope of work and an hour and fee estimate for such additional work;

Section 1. Scope of Work Amended. Exhibit A ("Scope of Work") to the Agreement dated December 2, 2022, is hereby amended to add the additional engineering services during construction work tasks set forth in Exhibit A to this Amendment No. 3.

Section 2. Compensation Amended. Section 2 of the Agreement dated December 2, 2022, entitled ("Compensation"), is hereby amended to increase the total compensation to be paid Consultant for the work from $1,049,192 to $1,704,392.

Section 3. Exhibit B Amended. Exhibit B to the Agreement dated December 2, 2022, is hereby amended to add the additional compensation and fee estimate details set forth in Exhibit B to this Amendment No. 3.

Section 4. Exhibit C Amended. Exhibit C to the Agreement dated December 2, 2022, is hereby amended to revise the rates and charges in Exhibit C to this Amendment No. 3.

Section 5. No Other Provisions Affected. Except as modified in this Amendment No. 3, all other provisions of the Agreement dated December 2, 2022, remain in full force and effect.

Section 6. Effective Date**.** This Amendment No. 3 is effective as of the date of the last signature affixed below.

ACKNOWLEDGED AND AGREED TO BY:

CITY OF SNOQUALMIE	CONSULTANT RH2 ENGINEERING, INC.
By: _____ Katherine Ross, Mayor	By: _____ Name _____ Its: _____
Date: _____	Date: _____

ATTEST:

_____
Deana Dean, City Clerk

APPROVED AS TO FORM:

_____
Dena Burke, City Attorney

EXHIBIT A
Scope of Work
Amendment No. 3
City of Snoqualmie
Reclaimed Water Distribution System
Services During Construction

April 2025

Background

The City of Snoqualmie (City) owns and operates a potable water system, a reclaimed water system, and an irrigation system. The City's Water Reclamation Facility (WRF) supplies Class A reclaimed water to Eagle Lake, where it is stored as irrigation supply for the City and its customers, including the Snoqualmie Ridge Golf Course (Golf Course). The main customers are supplied irrigation water from the Irrigation Pump Station (IPS), including the City, the Business Park Owners Association, and the Snoqualmie Ridge Owners Association. The Golf Course irrigation system is owned and operated by the Golf Course and is separate from City operations.

The City retained RH2 Engineering, Inc., (RH2) to prepare design documents and obtain project permits for a closed reclaimed water reservoir and replacement IPS to separate the City's irrigation system from Eagle Lake to meet the requirements of the Reclaimed Water Rule under Chapter 173-219 Washington Administrative Code (WAC). This Scope of Work includes tasks necessary to provide services during construction for the reclaimed water system improvements.

The previous scopes of work included the following tasks:

- Task 1 – Reclaimed Water Engineering Report
- Task 2 – Project Management
- Task 3 – Reclaimed Water System Plan Update
- Task 4 – Loan and Grant Application Assistance
- Task 5 – Preliminary Design
- Task 6 – Final Design
- Task 7 – Permitting
- Task 8 – Services During Bidding
- Task 9 – Management Reserve
- Task 10 – IPS Bid-Ready Design
- Task 11 – IPS Permitting
- Task 12 – IPS Services During Bidding

This Scope of Work includes expanding the project management services in Task 2 and the addition of the following tasks:

- **Task 13 – Services During Construction**

General Assumptions

In preparing this Scope of Work, the following assumptions were made:

- *RH2 will rely upon the accuracy and completeness of information, data, and materials generated or produced by the City or others in relation to this Scope of Work. RH2 assumes that the entity providing such information to RH2 is either the owner of such information or has obtained written authorization from the owner to distribute said information.*
- *The estimate of professional services for the construction phase of the project assumes a construction schedule and contractor progress that are typical for the industry and similar projects.*
- *RH2 is not responsible for site safety, for determining means and methods, or for directing the contractor in their work.*
- *Deliverables will be submitted in electronic format (PDF) unless otherwise noted.*

Task 2 – Additional Project Management

Objective: Manage RH2's project team and maintain regular client communications, including progress meetings. Maintain project schedule and prepare monthly invoices and budget status summaries.

Approach:

2.1 Perform Project Management

- Provide direction, coordination, and oversight to the RH2 project team. Organize, manage, and coordinate technical disciplines as described herein and implement quality assurance and quality control (QA/QC) reviews to execute this Scope of Work.
- Document and retain information generated during the execution of the project.
- Prepare monthly invoices and budget status summaries.

RH2 Deliverables:

- Monthly progress reports with schedule, budget, work performed, and billed to date updates.

Task 9 – Additional Management Reserve

Objective: Provide additional services as requested by the City.

Approach:

9.1 Provide Additional Services – Provide additional services as requested and authorized by the City. Submit a scope of work and budget estimate for supplemental services requested by the City. The City shall provide written authorization to proceed with any supplemental services.

RH2 Deliverables:

- Scope of work and budget estimate for supplemental services.
- Other deliverables as requested by the City under the authorization for supplemental services.

Task 13 – Services During Construction

Objective: Provide limited services during construction of the reclaimed water system improvements to the level of effort stated in the Fee Estimate.

Approach:

13.1 Prepare Conformed for Construction Documents – Revise and update the bid plans, non-technical and technical specifications, and appendices to reflect addenda issued during the bidding phase. Print hard copies of the conformed for construction documents for contractor, City, and RH2 use during construction. Revise and update the equipment list, instrumentation schedule, and process control narratives, if applicable, to reflect addenda issued during the bidding phase.

13.2 Attend Pre-Construction Meeting – Prepare pre-construction meeting agenda. Send agenda and notice of meeting location, data, and time to invitees. Attend the meeting. Prepare meeting minutes and distribute to attendees.

13.3 Provide Construction Consultation and Document Review – Consult with the City on construction costs, scheduling, and constructability issues. Review shop drawings and catalog submittals of items requested in the technical specifications. Provide a written response to the contractor and the City accepting or rejecting each shop drawing and catalog submittal reviewed. Review written requests for information (RFIs) and change order proposals, and provide written responses to the contractor and the City. Review monthly pay requests by the contractor and coordinate with the City for processing payment. Prepare Construction Quality Assurance Plan (CQAP) and submit to the Washington State Department of Ecology (Ecology) for documentation, incorporating minor comments from Ecology if provided.

13.4 Provide Part-Time On-Site Construction Observation – Provide at least one (1) RH2 representative every two (2) weeks at construction progress meetings. Prepare meeting minutes and distribute to attendees. *The contractor will prepare meeting agendas for construction progress meetings.* Review the contractor's look-ahead construction schedule.

Provide one (1) RH2 representative for part-time on-site construction observation and prepare observation reports. *It is assumed that part-time construction observation includes, on average, approximately twenty-four (24) hours per week of construction support services for fifty-two (52) weeks of construction observation for the resident engineer, which includes travel time.* Prepare progress reports, including contract time remaining statements. Coordinate with the contractor regarding construction schedule, progress, and constructability issues. Retain the services for a certified testing company as a subconsultant for material testing and special inspections.

13.5 Provide Testing and Startup Observation – Coordinate with the contractor and the City for the scheduled testing and startup activities. *This coordination will include the review and supplementation of the testing protocols developed by the contractor and manufacturers' representatives, and review of the tests and request for corrections*. Review and supplement startup protocols developed by the contractor and manufacturers' representatives. Provide at least two (2) RH2 representatives for on-site observation during startup to document activities and coordinate with the contractor. Discuss with the contractor and the City work that has not been completed by the contractor (punchlist) and discuss contractor rectification.

13.6 Provide Final Observation and Project Closeout – Attend a final on-site observation with the City and prepare a letter of recommendation for project acceptance to the City. Prepare and submit the Ecology Construction Completion form.

Assumptions:

- *RH2 will be the primary point of contact for the general contractor during construction; however, RH2 has not included full-time construction observation services in the Fee Estimate. It is assumed that part-time site observation will be sufficient.*
- *The City will provide an arborist to observe construction for design compliance.*
- *The City will review contractor field records and develop as-constructed record drawings.*
- *The City will review the contractor-provided operations and maintenance (O&M) manuals for consistency with installed equipment and instrumentation.*
- *The City will prepare an O&M manual for the reclaimed water system improvements and will submit to Ecology for review.*
- *No date is warranted or implied for agency response or approval of submittals.*

Provided by the City:

- Meeting space and attendance at the pre-construction meeting.
- Conformed for construction non-technical specifications.
- Processing payments to the contractor.
- Attendance at construction progress meetings.

RH2 Deliverables:

- Two (2) full-size hard copies and two (2) half-size hard copies of the conformed for construction plans, two (2) hard copies of the conformed for construction specifications and appendices, and one (1) PDF of the conformed for construction plans, specifications, and appendices for the contractor.
- Five (5) hard copies, one (1) PDF, and one (1) Word file (specifications) of the conformed for construction plans (half-size), specifications, and appendices for the City.
- Pre-construction meeting agenda in electronic PDF and hard copies for attendees.
- Notice to invitees of the pre-construction meeting location, date, and time.
- Pre-construction meeting minutes.
- Written responses for contractor-provided shop drawings and submittals, RFIs, change orders, and pay requests.
- CQAP submitted to Ecology and the City.
- Construction progress meeting minutes.
- Construction observation reports.
- Construction progress reports and contract time remaining statements.
- Written responses to contractor-provided testing and startup protocols and requests to contractor for correction.
- Startup checklists and summaries of startup results.
- Written punchlist to the contractor and City.
- Letter of recommendation for project acceptance.
- Construction Completion form submitted to Ecology and the City.

Project Schedule

RH2 anticipates that services during construction for the improvements will begin in May 2025 with a target completion date of June 2026 for the major components of the project and October 2026 for the completion of the overall project.

EXHIBIT B

Fee Estimate
Amendment No. 3
City of Snoqualmie
Reclaimed Water Distribution System
Services During Construction
Apr-25

	Description	Total Hours	Total RH2 Labor	Total Subconsultant	Total Expense	Total Cost
Task 2	**Additional Project Management**	**120**	**$ 30,528**	**$ -**	**$ 763**	**$ 31,291**
2.1	Perform Project Management	120	$ 30,528	$ -	$ 763	$ 31,291
Task 9	**Additional Management Reserve**	**-**	**$ -**	**$ -**	**$ 25,000**	**$ 25,000**
9.1	Additional Management Reserve	-	$ -	$ -	$ 25,000	$ 25,000
Task 13	**Services During Construction**	**2457**	**$ 496,960**	**$ 79,868**	**$ 22,081**	**$ 598,909**
13.1	Prepare Conformed for Construction Documents	41	$ 7,670	$ -	$ 2,042	$ 9,712
13.2	Attend Pre-Construction Meeting	16	$ 3,556	$ -	$ 259	$ 3,815
13.3	Provide Construction Consultation and Document Review	644	$ 137,124	$ -	$ 3,628	$ 140,752
13.4	Provide Part-Time On-Site Construction Observation	1500	$ 292,968	$ 79,868	$ 13,036	$ 385,872
13.5	Provide Testing and Startup Observation	154	$ 34,102	$ -	$ 2,435	$ 36,537
13.6	Provide Final Observation and Project Closeout	102	$ 21,540	$ -	$ 682	$ 22,222
	PROJECT TOTAL	**2577**	**$ 527,488**	**$ 79,868**	**$ 47,844**	**$ 655,200**

EXHIBIT C RH2 ENGINEERING, INC. 2025 SCHEDULE OF RATES AND CHARGES		
RATE LIST	**RATE**	**UNIT**
Professional I	$174	$/hr
Professional II	$192	$/hr
Professional III	$214	$/hr
Professional IV	$235	$/hr
Professional V	$252	$/hr
Professional VI	$270	$/hr
Professional VII	$295	$/hr
Professional VIII	$318	$/hr
Professional IX	$328	$/hr
Technician I	$136	$/hr
Technician II	$148	$/hr
Technician III	$167	$/hr
Technician IV	$182	$/hr
Technician V	$199	$/hr
Technician VI	$219	$/hr
Technician VII	$238	$/hr
Technician VIII	$250	$/hr
Administrative I	$91	$/hr
Administrative II	$106	$/hr
Administrative III	$127	$/hr
Administrative IV	$148	$/hr
Administrative V	$171	$/hr
CAD/GIS System	$27.50	$/hr
CAD Plots - Half Size	$2.50	price per plot
CAD Plots - Full Size	$10.00	price per plot
CAD Plots - Large	$25.00	price per plot
Copies (bw) 8.5" X 11"	$0.09	price per copy
Copies (bw) 8.5" X 14"	$0.14	price per copy
Copies (bw) 11" X 17"	$0.20	price per copy
Copies (color) 8.5" X 11"	$0.90	price per copy
Copies (color) 8.5" X 14"	$1.20	price per copy
Copies (color) 11" X 17"	$2.00	price per copy
Technology Charge	2.50%	% of Direct Labor
Night Work	10.00%	% of Direct Labor
Mileage	IRS Rate	price per mile (or Current IRS Rate)
Subconsultants	15%	Cost +
Outside Services	at cost	

Rates listed are adjusted annually.

WASHINGTON STATE DEPARTMENT OF ECOLOGY

WATER POLLUTION CONTROL REVOLVING FUND

ENGINEERING SERVICES INSERT

Revised 10/24/14

The following clauses will be incorporated into contracts for engineering services receiving financial assistance from the Washington State Department of Ecology Water Pollution Control Revolving Fund. In the event of conflict within the contract these clauses shall take precedence

Compliance with State and Local Laws

The engineering services provider (CONTRACTOR) shall assure compliance with all applicable federal, state, and local laws, requirements, and ordinances as they pertain to the design, implementation, and administration of the approved project.

State Interest Exclusion

Partial funding of this project is being provided through the Washington State Department of Ecology Water Pollution Control Revolving Fund. Neither the State of Washington nor any of its departments or employees are, or shall be, a party to this contract or any subcontract.

Third Party Beneficiary

Partial funding of this project is being provided through the Washington State Department of Ecology Water Pollution Control Revolving Fund. All parties agree that the State of Washington shall be, and is hereby, named as an express third-party beneficiary of this contract, with full rights as such.

Cost Basis of Contract

No contract may be written for "cost-plus-a-percentage-of-cost" or "percentage of construction cost." The cost basis for this contract must be cost-reimbursement, unit price, fixed-price, time and materials, or any combination of these four methods.

Funding Recognition

Documents produced under this agreement shall inform the public that the project received financial assistance from the Washington State Water Pollution Control Revolving Fund. Washington State Department of Ecology's and the EPA's logomust be on all signs and documents. Logos will be provided as needed.

Access to the work site and to records

The CONTRACTOR shall provide for access to their records by Washington State Department of Ecology and Environmental Protection Agency (EPA) personnel.

The CONTRACTOR shall maintain accurate records and accounts to facilitate the Owner's audit requirements and shall ensure that all subcontractors maintain auditable records. These records shall be separate and distinct from the CONTRACTOR's other records and accounts.

All such records shall be available to the Owner and to Washington State Department of Ecology and EPA personnel for examination. All records pertinent to this project shall be retained by the CONTRACTOR for a period of three (3) years after the final audit.

Certification Regarding Suspension, Debarment, Ineligibility Or Voluntary Exclusion

1. The CONTRACTOR, by signing this agreement, certifies that it is not suspended, debarred, proposed for debarment, declared ineligible or otherwise excluded from contracting with the federal government, or from receiving contracts paid for with federal funds. If the CONTRACTOR is unable to certify to the statements contained in the certification, they must provide an explanation as to why they cannot.

2. The CONTRACTOR shall provide immediate written notice to the Washington State Department of Ecology if at any time the CONTRACTOR learns that its certification was erroneous when submitted or had become erroneous by reason of changed circumstances.

3. The terms covered transaction, debarred, suspended, ineligible, lower tier covered transaction, participant, person, primary covered transaction, principal, proposal, and voluntarily excluded, as used in this clause, have the meaning set out in the Definitions and Coverage sections of rules implementing Executive Order 12549. You may contact the Washington State Department of Ecology for assistance in obtaining a copy of the regulations.

4. The CONTRACTOR agrees it shall not knowingly enter into any lower tier covered transaction with a person who is proposed for debarment under the applicable Code of Federal Regulations, debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction.

5. The CONTRACTOR further agrees by signing this agreement, that it will include this clause titled "Certification Regarding Suspension, Debarment, Ineligibility Or Voluntary Exclusion" without modification in all lower tier covered transactions and in all solicitations for lower tier covered transactions.

6. Pursuant to 2CFR180.330, the CONTRACTOR is responsible for ensuring that any lower tier covered transaction complies with certification of suspension and debarment requirements.

7. The CONTRACTOR acknowledges that failing to disclose the information required in the Code of Federal Regulations may result in the delay or negation of this funding agreement, or pursuance of legal remedies, including suspension and debarment.

8. The CONTRACTOR agrees to keep proof in its agreement file that it and all lower tier

recipients or contractors are not suspended or debarred and will make this proof available to the Washington State Department of Ecology upon request. The RECIPIENT/CONTRACTOR must run a search in http://www.sam.gov/ and print a copy of completed searches to document proof of compliance.

This term and condition supersedes EPA Form 5700-49, "Certification Regarding Debarment, Suspension, and Other Responsibility Matters."

Disadvantaged Business Enterprises

General Compliance (40 CFR Part 33).
The CONTRACTOR shall comply with the requirements of the Environmental Protection Agency's Program for Participation By Disadvantaged Business Enterprises (DBE) 40 CFR Part 33.

Non-discrimination Provision (40CFR Appendix A to Part 33).
The CONTRACTOR shall not discriminate on the basis of race, color, national origin or sex in the performance of this contract. The CONTRACTOR shall carry out applicable requirements of 40 CFR part 33 in the award and administration of contracts awarded under EPA financial assistance agreements. Failure by the CONTRACTOR to carry out these requirements is a material breach of this contract which may result in the termination of this contract or other legally available remedies.

Six Good Faith Efforts (40 CFR Part 33 Subpart C).
The CONTRACTOR agrees to make the following good faith efforts whenever procuring subcontracts, equipment, services and supplies. The CONTRACTOR shall retain records documenting compliance with the following six good faith efforts.

1. Ensuring Disadvantaged Business Enterprises are made aware of contracting opportunities to the fullest extent practicable through outreach and recruitment activities. For Indian Tribal, State and Local and Government recipients, this will include placing Disadvantaged Business Enterprises on solicitation lists and soliciting them whenever they are potential sources. Qualified Women and Minority business enterprises may be found on the Internet at www.omwbe.wa.gov or by contacting the Washington State Office of Minority and Women's Enterprises at (866) 208-1064.
2. Making information on forthcoming opportunities available to Disadvantaged Business Enterprises and arrange time frames for contracts and establish delivery schedules, where the requirements permit, in a way that encourages and facilitates participation by Disadvantaged Business Enterprises in the competitive process. This includes, whenever possible, posting solicitations for bids or proposals for a minimum of thirty (30) calendar days before the bid or proposal closing date.
3. Considering in the contracting process whether firms competing for large contracts could subcontract with Disadvantaged Business Enterprises. For Indian Tribal, State and local Government recipients, this will include dividing total requirements when economically feasible into smaller tasks or quantities to permit maximum participation by Disadvantaged Business Enterprises in the competitive process.
4. Encourage contracting with a consortium of Disadvantaged Business Enterprises when a

contract is too large for one of these firms to handle individually.

5. Using services and assistance of the Small Business Administration and the Minority Business Development Agency of the Department of Commerce.
6. If the prime contractor awards subcontracts, requiring the subcontractors to take the six good faith efforts in paragraphs 1 through 5 above.

RH2 Managing Office
22722 29th Drive SE, Suite 210 | Bothell, WA 98021
P: 425.951.5400 | www.rh2.com

Statement of Qualifications for the City of Snoqualmie

Reclaimed Water Distribution System Improvements
Construction Management and Inspection Services | April 2025

Dear Andrew and Selection Committee,

As a trusted partner of the City of Snoqualmie for the past 10 years, RH2 Engineering has valued the opportunity to collaborate with your staff and gain deeper insight into the complexities of your water and wastewater systems. With our history, strong working relationship, and experienced team, we believe we are well-equipped to provide construction management and inspection services for the Reclaimed Water Distribution System Improvements project.

Founded in 1978, RH2 is a full-service engineering firm specializing in public infrastructure projects from initial planning and design through construction and startup. With more than 150 professionals across nine offices in Washington, Oregon, and Idaho, we provide comprehensive water system planning, design, and construction administration services. Our team of engineers, geologists, hydrogeologists, scientists, and water rights specialists collaborate to develop effective strategies for water infrastructure development, and are invested in improving infrastructure for our communities.

RH2's efficient and responsive construction management team includes professionals who designed the improvements to your reclaimed water distribution system and are committed to guiding these improvements to successful completion. Additionally, our in-house multidisciplinary team has extensive knowledge of the Washington State Department of Ecology and Department of Health regulations, state funding processes, and environmental compliance. Our structural designers have expertise in all phases of prestressed concrete tank construction and will collaborate with our special inspections subconsultant, Professional Services Industries, Inc. (PSI), to uphold high standards of quality throughout construction.

As project manager, I will manage the efforts of our entire team and act as the City's main point of contact. I will work closely with our construction administration specialists, Marine Behr and Cassidy Brand, to complete the necessary services. As the construction administrator/assistant project manager, Marine's role will be to coordinate issues and documents with the contractor's project manager. Cassidy will provide on-site support to oversee compliance with the drawings with the contractor's superintendent and on-site staff to efficiently resolve field issues. Cassidy works out of both RH2's Bothell and Bellevue offices (45 and 25 minutes from the site, respectively) and can quickly travel to the site as needed. Dan Mahlum will act as the principal-in-charge, oversee our efforts, and utilize his decade of experience working with the City to provide valuable insight into your preferred processes and procedures. Together, our team brings a wealth of experience and a deep understanding of the City's needs. We are committed to delivering thorough, responsive, and proactive support throughout the project, fostering a smooth construction process and successful outcomes for the City.

We appreciate the opportunity to submit our qualifications, and look forward to continuing our partnership with the City. If you have any questions or would like additional information, please contact us at the information provided below.

Sincerely and on behalf of our entire team,

Barney Santiago PE

Project Manager
425.951.5456 | bsantiago@rh2.com

Dan Mahlum PE

Principal-in-Charge
425.951.5340 | dmahlum@rh2.com

Project Organization and Staffing

Team Organizational Structure

Our team of experienced professionals specializes in water and wastewater facility improvements, as well as state-funded utility projects. RH2 has a strong track record of completing projects on time and within budget, backed by a commitment to provide clear communication and collaboration. With decades of experience in planning, designing, and overseeing the construction of reservoirs, booster pump stations, and utilities, our team is well-equipped for this project. The chart below outlines our key personnel and their roles.

CITY OF SNOQUALMIE

Barney Santiago PE
Project Manager

Dan Mahlum PE
Principal-in-Charge

Marine Behr PE
Construction Administrator/
Assistant Project Manager

Cassidy Brand EIT
Construction Staff Engineer

Edwin Halim PE
Tank and Pump Station Expert

Jon Conner PE, SE
Structural Engineer

Kevin Schalk PE
Electrical Engineer

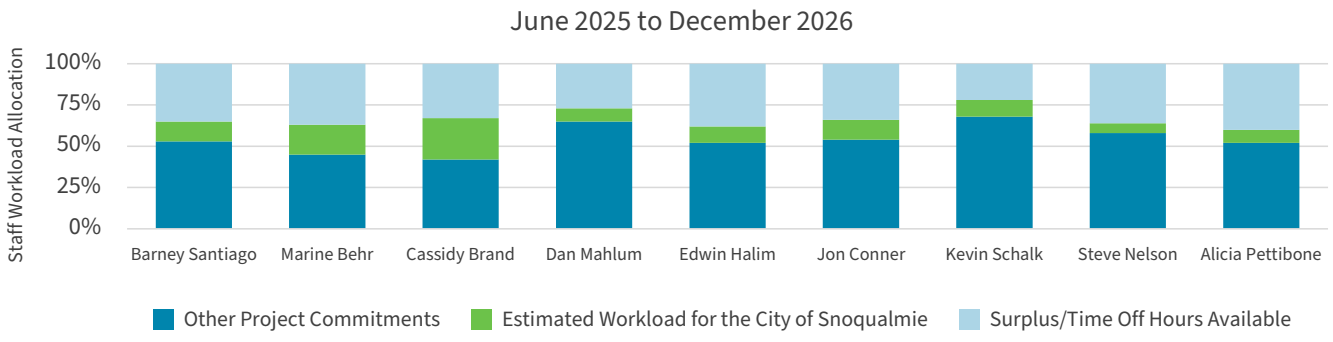
Steve Nelson LG, LHG, LEG
Hydrogeologist/Engineering Geologist

Alicia Pettibone
Environmental Compliance Specialist

Professional Services Industries, Inc. (PSI)
Special Inspections

Project Staffing and Resume Summaries

After reviewing our current and projected assignments, we have confirmed that we have the capacity to staff this project. Our subconsultants have also verified their availability to assist. Based on this information, we have prepared the following chart for your reference, and the following pages provide summaries of our team's qualifications.



Main Contacts

Barney Santiago PE — Project Manager

Barney is a water treatment expert and project manager with 20 years of experience in water infrastructure design, from initial conception through construction completion. His experience includes leading design teams, identifying and navigating critical path tasks, negotiating with various stakeholders, facilitating permits, assisting with funding opportunities, and complying with regulatory requirements.

During the construction phase, Barney has orchestrated successful implementation of infrastructure many times, including complicated treatment projects not designed by RH2. He is adept at coordinating with contractors, permit and funding agencies, subconsultants, and integration programmers to maintain positive forward progress. Barney understands all aspects of construction and can efficiently direct document reviews and troubleshoot construction problems. He has also navigated state funding requirements for a few projects, assisting with quarterly reports, change orders, and closeout documentation. Barney's expertise extends beyond construction as he remains a trusted resource for plant operators, helping them troubleshoot and optimize system performance long after a project is complete.

Representative Project Experience

- Reclaimed Water Distribution System Improvements, City of Snoqualmie
- Water Reclamation Facility Phase 3, City of Snoqualmie
- Water Reclamation Facility Phase 1 and North Well Field Water Treatment Facility Improvements, City of Snoqualmie
- Water, Sewer, and Stormwater System Plans, City of Snoqualmie
- Wholesale Transmission Main Extension and Booster Pump Stations, Lakewood Water District
- West Pasco Water Treatment Plant Improvements, City of Pasco (Design and Construction Lead)

Education

BS Chemical Engineering
Minor in Chemistry
University of Washington 2005

Licenses

Professional Engineer
46529 (WA)

Experience

20 years of experience; 20 years at RH2

Marine Behr PE — Construction Administrator/Assistant Project Manager

Since joining RH2 8 years ago, Marine has been a key contributor to the success of numerous complex water and wastewater infrastructure projects, actively engaging in the planning, design, and construction phases. As the construction administrator and assistant project manager, she will be responsible for coordinating with the contractor's project manager to finalize monthly pay applications, ensuring overall schedule milestones meet expectations, and allocating staff and resources as needed to keep construction activities moving forward. Marine's expertise includes water main replacements, transmission main extensions, booster pump station designs, sanitary sewer rehabilitation, and lift station projects. Her collaborative approach with team members, vendors, and contractors has consistently delivered innovative, cost-effective solutions that meet client needs.

Representative Project Experience

- Water Reclamation Facility Phase 3 Improvements, City of Snoqualmie (Construction Administrator)
- Water Reclamation Facility and North Well Field Water Treatment Facility Improvements, City of Snoqualmie
- Lift Station Improvements, City of Snoqualmie
- Wholesale Transmission Main Extension and Booster Pump Stations, Lakewood Water District
- West Pasco Water Treatment Plant Improvements, City of Pasco
- Booster Pump Station Upgrades, City of Mercer Island
- Pump Station 8 and Pump Station 9, Highline Water District

Education

BS Civil Engineering
California Polytechnic State University, SLO 2016

Licenses

Professional Engineer
22011224 (WA)

Experience

8 years of experience; 8 years at RH2

Cassidy Brand EIT

Construction Staff Engineer

Cassidy is a staff engineer in RH2's Bothell and Bellevue offices with experience in water and wastewater projects spanning all phases of design and construction. She has contributed to water and wastewater utility design, reservoir design, and lift station design, as well as provided on-site construction observation for water and irrigation utility projects. Her proficiency in AutoCAD and Civil 3D allows her to develop 3D facility models and detailed construction plans that effectively communicate designs and reduce conflicts during construction. As the construction staff engineer, she will assist in the field, directly coordinate with the contractor's superintendent to troubleshoot problems, and will lead reviews of submittals, requests for information, and change order proposals. Her intimate knowledge of the project as lead designer will allow her to efficiently navigate construction issues that may arise.

Representative Project Experience

- Reclaimed Water Distribution System Improvements, City of Snoqualmie
- Water Reclamation Facility Phase 3 Improvements, City of Snoqualmie
- Local Water System Improvements to LOJO Property, Chelan Douglas Regional Port Authority (Construction Field Engineer)
- 40th Avenue West Tank Improvements, City of Lynnwood
- Main Zone Capacity Improvements Services During Construction, City of Chelan
- Holmes Point Drive Water Main Replacement, Northshore Utility District

Education

BS Civil Engineering
University of Colorado, Boulder 2022

Licenses

Engineer-in-Training
22027206 (WA)

Experience

3 years of experience; 3 years at RH2

Supporting Staff

Dan Mahlum PE

Principal-in-Charge

Dan is the head of RH2's Treatment Group and oversees complex, cutting-edge facility projects that include well development and rehabilitation, groundwater and surface water treatment, and wastewater planning and improvements. For the past 29 years, he has expanded RH2's treatment experience, giving our company the breadth and depth to meet our clients' needs for water and wastewater solutions. Dan is involved in every aspect of the projects he manages, from pilot studies and preliminary design to construction management, startup, and testing services. As a result, he effectively directs the conceptual planning of a facility knowing what will be successful after construction is complete and the operations phase begins.

Representative Project Experience

- Reclaimed Water Distribution System Improvements, City of Snoqualmie
- Water Reclamation Facility and North Well Field Water Treatment Facility Improvements, City of Snoqualmie
- Water, Sewer, and Stormwater System Plans, City of Snoqualmie
- West Pasco Water Treatment Plant Improvements, City of Pasco
- Wastewater Treatment Facility Improvements, City of Cashmere
- Water Treatment Plant Improvements, Town of Eatonville
- Central Well Development, City of Sumner
- Hawks Prairie Treatment Facility and 400 Pressure Zone Booster Pump Station, City of Lacey

Education

BS Chemical Engineering
University of Washington 1996

Licenses

Professional Engineer
37045 (WA), 86798PE (OR)

Experience

29 years of experience; 29 years at RH2

Edwin Halim PE

Tank and Pump Station Expert

Edwin is a mechanical engineer with 27 years of experience designing water facilities. He specializes in reservoirs, booster pump stations, water treatment facilities, and transmission mains, with extensive experience managing and inspecting projects during construction. In recent years, Edwin has led the design of numerous projects that integrate both reservoirs and pump stations. His work on booster pump stations spans a wide range, from submersible pumps with pitless adapters delivering 45 gpm to complex vertical turbines with multiple stages capable of pumping over 3,000 gpm. He also has deep expertise in designing booster pump stations for closed zones, incorporating intricate control systems that rely on multiple control and relief valves to maintain efficient and reliable operation.

Representative Project Experience

- Lift Station Improvements, City of Snoqualmie
- Keys Reservoir, City of Scappoose
- Minor Road Reservoir Replacement, City of Kelso
- Wholesale Transmission Main Extension and Booster Pump Stations, Lakewood Water District
- Reservoir 11, Sunrise Water Authority
- 10th Street Reservoir, East Wenatchee Water District
- Southern Tank and Booster Pump Station, Mt. View-Edgewood Water Company
- Pump Station 8 and Pump Station 9, Highline Water District
- Booster Pump Station Upgrades, City of Mercer Island
- Central Well Development, City of Sumner

Education

MS Mechanical Engineering
University of Washington 1998

BS Mechanical Engineering
University of Washington 1997

Licenses

Professional Engineer
38889 (WA), 94954PE (OR)

Experience

27 years of experience; 27 years at RH2

Jon Conner PE, SE

Structural Engineer

Jon is a licensed structural engineer specializing in structural analysis and design. He has completed the structural design and/or analysis of more than 50 reservoirs in his 20 years of experience at RH2. His experience includes the structural design and detailing of water reservoirs including steel, reinforced concrete, and prestressed concrete. Jon is routinely involved in siting and alternatives analyses and has also prepared the site planning design and mechanical layouts for several reservoir projects. His work involves performing load calculations and designing structural components using design aids including AutoCAD and finite element analysis software. He also has extensive field experience as RH2's primary structural inspector providing engineering inspection services during construction.

Representative Project Experience

- Water Reclamation Facility and North Well Field Water Treatment Facility Improvements, City of Snoqualmie
- Lift Station Improvements, City of Snoqualmie
- Minor Road Reservoir Replacement, City of Kelso
- Wholesale Transmission Main Extension and Booster Pump Stations, Lakewood Water District
- West Pasco Water Treatment Plant Improvements, City of Pasco
- Southern Tank and Booster Pump Station, Mt. View-Edgewood Water Company
- Wastewater Treatment Facility Improvements, City of Cashmere
- Reservoir 11, Sunrise Water Authority

Education

MS Civil Engineering
Washington State University 2004

BS Civil Engineering
Washington State University 2003

Licenses

Professional Structural Engineer
44672 (WA), 87075PE (OR), 20366 (ID)

Experience

20 years of experience; 20 years at RH2

Kevin Schalk PE

Electrical Engineer

Kevin is an electrical engineer whose experience includes electrical power distribution, control, and communication design for various projects including water and wastewater facilities. His work involves performing load calculations, sizing electrical equipment and conductors, designing standby power generation and fuel storage systems, selecting electrical equipment and instrumentation, coordinating with utilities, and designing electrical system layouts in AutoCAD. In addition to design, Kevin performs power system analysis, electrical construction inspection, control system factory and field testing, construction document review, and arc flash analysis.

Representative Project Experience

- Water Reclamation Facility and North Well Field Water Treatment Facility Improvements, City of Snoqualmie
- Lift Station Improvements, City of Snoqualmie
- Wholesale Transmission Main Extension and Booster Pump Stations, Lakewood Water District
- West Pasco Water Treatment Plant Improvements, City of Pasco

Education

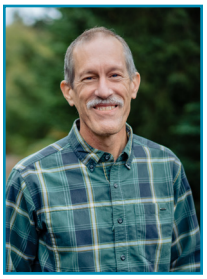
BS Electrical Engineering
Gonzaga University 2014

Licenses

Professional Engineer: 57189 (WA)

Experience

11 years of experience; 11 years at RH2



Steve Nelson LG, LHG, LEG

Hydrogeologist/Engineering Geologist

Steve previously completed the geotechnical investigation and report for the City's upcoming projects and will be a valuable resource to our team during construction. He is a licensed hydrogeologist and engineering geologist with technical experience involving infrastructure siting investigations, geologic hazards, foundation studies, dewatering, watershed planning, hydrology, and infiltration studies. Steve works with our design teams to contribute his knowledge and expertise of the soil, rock, groundwater, and watershed conditions that will affect the design, construction, and operation of water infrastructure.

Representative Project Experience

- Water Reclamation Facility and North Well Field Water Treatment Facility Improvements, City of Snoqualmie
- Lift Station Improvements, City of Snoqualmie
- Minor Road Reservoir Replacement, City of Kelso
- Wholesale Transmission Main Extension and Booster Pump Stations, Lakewood Water District
- West Pasco Water Treatment Plant Improvements, City of Pasco

Education

MS Geology, University of Arizona 1986

Licenses

Licensed Hydrogeologist and Engineering Geologist: 1402 (WA)

Experience

39 years of experience; 20 years at RH2

Alicia Pettibone

Environmental Compliance Specialist

Alicia works closely with RH2 staff and clients, as well as regulatory agencies throughout the state, to navigate the regulatory environment. She has facilitated approvals through local, state, and federal agencies for the following permits: SEPA; NEPA; Hydraulic Project Approval (HPA); Shoreline Management Act compliance; Critical Areas Ordinance compliance; Endangered Species Act (ESA) compliance; Clean Water Act Section 401, Section 404, and Section 10; NPDES Construction Stormwater General Permit (CSGP); Floodplain Development; Land Use, Site Development, Building, and Construction Permits; and Cultural Resources compliance.

Representative Project Experience

- Water Reclamation Facility and North Well Field Water Treatment Facility Improvements, City of Snoqualmie
- Reclaimed Water Distribution System Improvements, City of Snoqualmie
- Minor Road Reservoir Replacement, City of Kelso
- Wholesale Transmission Main Extension and Booster Pump Stations, Lakewood Water District

Education

BS Environmental Science
Western Washington University 2001

Experience

24 years of experience

Description of Related Experience

Firm Overviews

RH2 Engineering, Inc.

Founded in 1978, RH2 is a full-service engineering firm specializing in public infrastructure projects. Today, our team of more than 150 professionals operates from nine offices across Washington, Oregon, and Idaho. We excel in water system planning, design, and construction administration, consistently delivering solutions that align with our clients' needs and timelines.

For 47 years, we have guided water system improvement projects through every phase, from initial planning and design to construction and startup. With a multidisciplinary team of engineers, geologists/hydrogeologists, scientists, and water rights specialists, RH2 has developed an effective strategy for water infrastructure development and improvements across the Pacific Northwest.

Our expertise spans planning, design, and construction contract administration and observation services in the following areas:

- Water Treatment and Disinfection
- Water Distribution and Transmission Main Design
- Storage Tanks and Reservoirs
- Booster Pump Station Design
- Pressure Regulation
- Water System Planning
- Hydraulic Modeling and Analysis
- Water System GIS and Mapping
- Supply Planning and Development
- Water Rights Assistance
- Wellhead Protection
- Energy Efficiency and Vibration Analysis

Professional Services Industries, Inc.

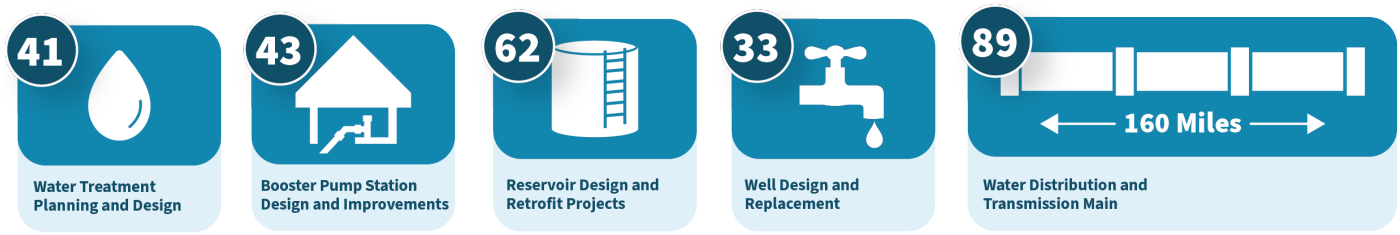
Professional Services Industries, Inc. (PSI) will provide special inspection and materials testing per the 2021 International Building Code with Washington State Amendments and project specifications as directed by RH2 and/or the City of Snoqualmie. Anticipated inspections include soils, asphalt, structural shotcrete, concrete construction, post-tensioned concrete, post-installed anchors, masonry, and structural steel. PSI labs are WABO-approved, and their Tukwila lab holds A2LA accreditation for ASTM E329 and ISO 17025.

RH2 has worked with PSI on many construction projects in the past several years, including the City of Snoqualmie's Water Reclamation Facility Phase 1 and Phase 2 projects, the Town of Eatonville's Water Treatment Plant Improvements project, and Highline Water District's Pump Station 8 and Pump Station 9 projects. Our past experience working together has built a strong foundation for future partnerships, allowing us to efficiently execute projects that meet the highest standards of engineering and construction excellence.

RH2 worked with PSI on the City of Snoqualmie's Water Reclamation Facility Phase 1 and Phase 2 projects, and we are prepared to collaborate again on the City's upcoming Reclaimed Water Distribution System Improvements.

Summary of Related Experience

Since our inception in 1978, we have been at the forefront of innovation, incorporating state-of-the-art technologies to deliver sustainable solutions in water system infrastructure. RH2's success is emphasized by our commitment to our mission: *to improve everyday life in our local communities through technical expertise, innovative solutions, and trusted relationships.* The following infographic highlights our water system project experience from the past 10 years, and the remainder of this section details our relevant experience. **For the majority of these, RH2 also provided construction phase services.**



Prestressed Concrete Tanks

RH2 has an extensive resume of reservoir design projects. Over the past 10 years, RH2 has successfully completed more than 60 reservoir projects across the Pacific Northwest, encompassing seismic assessments and retrofits, new construction, and replacements. These projects have spanned a wide range of capacities, from 30,000 to 33 million gallons. Our experience includes a wide range of reservoir types, with significant expertise in prestressed concrete tanks. These tanks offer durability, low maintenance, and excellent seismic performance, making them a preferred choice for municipalities seeking long-term, resilient storage solutions.

Relevant Project Experience

- Keys Reservoir, City of Scappoose+
- Meadow Wood Reservoir, City of Grants Pass+
- Southeast Water Reservoir, City of Tumwater*
- North Phoenix Reservoir and Water Main, City of Phoenix*
- Southern Tank and Booster Pump Station, Mt. View-Edgewood Water Company (2020)
- Rapp Road Reservoir, City of Talent (2021)
- Minnesota Reservoir, Nob Hill Water Association (2019)
- Reservoir 11, Sunrise Water Authority (2019)
- Minor Road Reservoir Replacement, City of Kelso (2019)
- 10th Street Reservoir, East Wenatchee Water District (2016)
- Thompson Hill Reservoir, City of Kennewick (2015)

+Under construction *design in progress

Booster Pump Stations

Due to the critical role that booster pump stations play in supplying water during times of emergency, RH2's approach focuses on delivering a highly reliable, resilient, and secure booster pump station. We design all of our booster pump stations using 3D AutoCAD to develop award-winning, highly detailed, and comprehensive construction documents. This approach allows us to build the structure as a digital model before the contractor builds it on the site. We conceptualize the design, analyze it, evaluate it, and resolve constructability issues during the design phase to help make sure the facility is built as intended.

Relevant Project Experience

- Booster Pump Station Upgrades, City of Mercer Island*
- Maplewood Booster Pump Station, Cedar River Water and Sewer District*
- West Hill Booster Pump Station Improvements, City of Renton (2023)
- Wholesale Transmission Main Extension and Booster Pump Stations, Lakewood Water District (2023)
- Pump Station 8 and Pump Station 9, Highline Water District (2022)
- Nyanza Reservoir and Booster Pump Station, Lakewood Water District (2021)
- Stratford Booster Pump Station Electrical and Control Design, City of Moses Lake (2020)
- Tacoma Intertie Booster Pump Station—Prairie Ridge, City of Bonney Lake (2020)
- South Talbot and West Hill Booster Pump Station Improvements, City of Renton (2019)
- 560 Zone Booster Pump Station Services During Construction, City of Marysville (2019)
- Hillside and Hillcrest Booster Pump Station, City of Longview (2019)
- Elevated Tank Replacement and Booster Pump Station, Port of Vancouver (2018)
- Southwest Well 1A Water System Improvements, City of Yelm (2016)

*In progress

State-Funded Projects

Our in-house, multidisciplinary team has extensive experience with Washington State Department of Ecology funding, state environmental compliance, and other funding programs. We have successfully helped clients secure funding for a wide range of projects. Our staff stays up to date on current funding opportunities and requirements, helping clients navigate competitive loan and grant programs to maximize their eligibility. With a team well-versed in these programs, we guide our clients to meet all agency needs and requirements during the construction phase.

Relevant Project Experience

- West Pasco Water Treatment Plant Improvements, City of Pasco*
- Boulevard Park Sewers, Valley View Sewer District*
- Process Water Reuse Facility, City of Pasco*
- Systemic Pedestrian Improvements, City of Aberdeen (2024)
- Complete Streets, City of East Wenatchee (2024)
- Rock Island Road Overlay, City of East Wenatchee (2024)
- Safe Routes to School (SRTS) Crosswalk Improvements, City of Shelton (2024)
- Well No. 7 Drilling and Design, City of College Place (2023)
- Non-Motorized Improvements, City of Mill Creek (2022)
- Water Treatment Plant Improvements, Town of Eatonville (2021)
- Highline Drive and 3rd Street SE Roundabout, City of East Wenatchee (2020)
- 4th Street SE Improvements, Douglas County Transportation and Land Services (2020)
- Overlay Project, City of East Wenatchee (2018)
- Red Apple Road Preservation, City of Wenatchee (2018)
- Central Well Development, City of Sumner (2017)
- South Kelso Drive Transmission Main, City of Kelso (2017)
- Meter Replacement Program, Greater Wenatchee Irrigation District (2017)
- Highline Drive Reconstruction, City of East Wenatchee (2017)
- Vantage Highway and Pfenning Road Signalization, City of Ellensburg (2016)
- Aplets Way Roundabout and Utility Improvements, City of Cashmere (2015)
- Yew Street Sidewalk and Water Main Replacement, City of Bellingham (2015)
- Wastewater Treatment Facility Planning and Improvements, City of Cashmere (2014)

*In progress

Minor Road Reservoir Replacement

City of Kelso

Similar Key Elements

- **Construction Field Services**
- Prestressed Concrete Reservoir Design
- Temporary Pump Station and Pipeline
- Geotechnical Analysis
- Overflow and Stormwater Considerations
- Neighborhood Coordination

Summary: RH2 assisted the City of Kelso with replacing two partially buried concrete reservoirs with one single reservoir. The existing concrete reservoirs were built in 1924, had reached the end of their design life, and were leaking significantly. The site had limited space and was surrounded by a residential neighborhood. As part of the design, our team assisted with cost savings measures with alternatives to limit excavation, site disturbance, and access to the site.

During the reservoir sizing analysis, RH2 optimized the reservoir geometry to reduce the amount of earthwork required for constructing the reservoir. The final reservoir geometry includes an at-grade reservoir with a full perimeter access road for easy access and maintenance. The geology of the area includes weak sandstone at depth with weathered silt above. Groundwater seeps were present and commingling with the water leaking from the half-buried reservoirs. A series of underdrain piping was required to convey the existing groundwater from under the proposed reservoir floor. The project included significant excavation, steep slope retention, temporary access for hauling off site, retaining walls, and a strand-wrapped prestressed concrete reservoir sized to fit the available property, while maintaining residential views and site aesthetics, and minimizing maintenance.

This project was an example of the challenges that can occur when all phases of the project are not understood. RH2 was brought on board to design pre-established improvements for the City. During the beginning stages of construction, it was realized that the hydraulics of the system did not work as the City had originally understood. As a result, the City could not properly supply an upper zone when the existing reservoir was taken offline.

RH2, the City, and the contractor worked closely and diligently to address this issue. A packaged temporary booster pump station and pipeline were installed to provide water to the upper zone while the proposed Minor Road Reservoir was being constructed. Once these improvements were completed, the existing Minor Road Reservoir was reconstructed.

Project Team

Edwin Halim, PE: Project Manager
Steve Nelson, LG, LHG, LEG: Geologist/ Engineering Geologist
Jon Conner, PE, SE: Structural Engineer
Steve Nelson, LG, LHG, LEG: Geologist/ Engineering Geologist
Alicia Pettibone: Environmental Permitting

Client Contact

Michael Kardas, PE
Director and City Engineer
City of Kelso
203 South Pacific
Kelso, WA 98626
360.577.3376
mkardas@kelso.gov

Completion Date

2019

Wholesale Transmission Main Extension and Booster Pump Stations

Lakewood Water District

Similar Key Elements

- **Construction Field Services**
- Booster Pump Station Design
- Water Main Design
- Stakeholder Coordination
- Easement Acquisition
- Permitting Assistance
- Environmental Survey
- Geotechnical Exploration

Summary: By the end of 2010, the Lakewood Water District had a wholesale water supply system in place to convey 7.4 MGD in additional purchased water rights to purveyors across the region. The system consisted of a large diameter transmission main and a booster pump station (WBPS1) to increase pressure to meet the hydraulic requirements of the District's wholesale customers. Since the wholesale system was constructed, the District determined it can provide up to 10.0 MGD in wholesale supply capacity, with existing wholesale customers interested in purchasing the additional capacity. As a result, the Wholesale Transmission Main Extension, upgrades to WBPS1, and a new, second booster pump station (WBPS2) were needed to increase the capacity of the District's wholesale system.

RH2 performed hydraulic analyses to evaluate the hydraulic grade line (HGL), intertie locations, and pressures for both pump stations to serve the new maximum capacity of 10.0 MGD. System head curves were then developed to select pumps for both stations and confirm that the pumps would operate at optimal efficiency. WBPS1 improvements were designed to upgrade the station with four new 250 horsepower vertical turbine pumps, with three pumps running in parallel, and the fourth pump provided for redundancy. WBPS2 was designed to operate in series with WBPS1 and increase the overall system capacity to 10.0 MGD with four 250 horsepower pumps available, operating similar to WBPS1. WBPS2 pumps will be operated based on system demands, with variable frequency drives provided to adjust the pump speed and maintain requested HGLs to the District's wholesale customers.

In addition, similar to WBPS1, WBPS2 was designed to blend in with the surrounding neighborhood, with an exterior that resembles the adjacent single-family houses. The site also was secured with perimeter fencing and lighting along the access road. Throughout the project, RH2 worked closely with the District to check that the pump stations would be able to meet the 10.0 MGD wholesale supply capacity of the District's water rights, and provide water to the wholesale customers at desired HGLs.

Project Team

Edwin Halim, PE: Project Manager
Marine Behr, PE: Civil Engineer
Barney Santiago, PE: Treatment Engineer
Kevin Schalk, PE: Electrical Engineer
Jon Conner, PE, SE: Structural Engineer
Steve Nelson, LG, LHG, LEG: Geologist/ Engineering Geologist
Alicia Pettibone: Environmental Permitting

Client Contact

Marshall Meyer, PE, PMP
General Manager
Lakewood Water District
11900 Gravelly Lake Drive SW
Lakewood, WA 98499
253.588.4423
mmeyer@lakewoodwater.org

Completion Date

2023

West Pasco Water Treatment Plant Improvements

City of Pasco

Similar Key Elements: Construction Field Services, State Funding Compliance, Pump Analysis, and State Agency Permitting.

Project Team: Dan Mahlum, PE: Project Manager, Barney Santiago, PE: Treatment Engineer, Jon Conner, PE, SE: Structural Engineer, Kevin Schalk, PE: Electrical Engineer, Marine Behr, PE: Civil Engineer, Steve Nelson, LG, LHG, LEG: Geologist/Engineering Geologist, and Alicia Pettibone: Environmental Permitting.

Completion Date: In Progress

Client Contact: Maria Serra, PE, Public Works Director, City of Pasco, 525 North 3rd Avenue, 2nd Floor, Pasco, WA 99301, 509.544.4125, serram@pasco-wa.gov

Summary: The City of Pasco's West Pasco Water Treatment Plant (WPWTP) was equipped to supply 6 MGD and RH2 designed improvements to expand to 12 MGD, as well as meet additional regulatory requirements for membrane filtration. This plant was designed by a global engineering firm and the City has had many issues with operations and maintenance. Because our teams are local and well-practiced at finding solutions that meet our clients' needs, RH2 is highly skilled at thinking through these types of issues and implementing improvements that provide practical solutions, especially regarding handling and managing process waste waters.

Phases 1 and 2 of this project were awarded funds from Washington State Department of Health's (DOH) Drinking Water State Revolving Fund (DWSRF) program. RH2 worked closely with the City on permitting efforts, which included a State Environmental Policy Act (SEPA) checklist, City of Pasco Permits, DOH approval, and cultural resources. During construction, RH2 assisted with DWSRF funding compliance, assisting the City with quarterly statements and change order submittals to DOH. Phase 1 of the project was completed in fall 2023, construction of Phase 2 is nearly complete, and design of Phase 3 will begin soon.

Local Water System Improvements to LOJO Property

Chelan Douglas Regional Port Authority

Similar Key Elements: Construction Field Services, Construction Change Management, Water Main Design, Environmental Permitting, and State Agency Coordination.

Project Team: Erik Howe, PE: Project Manager, Cassidy Brand, EIT: Construction Field Engineer, Alicia Pettibone: Environmental Permitting, and Steve Nelson, LG, LHG, LEG: Geologist/Hydrogeologist.

Client Contact: Jon Johnston, Manager, Malaga Water District, 3957 Malaga Avenue, Malaga, WA 98828, 509.664.0142, mwdwater@nwi.net

Completion Date: Water Main Expansion Substantially Completed in 2023

Summary: The Chelan Douglas Regional Port Authority purchased a 72.5-acre parcel from LOJO Orchards in 2020 with the goal of recruiting new business and spurring economic growth in the region. One business has started to develop an industrial facility on the property that requires potable water service, cooling water discharge, and associated reservoirs and pumping facilities. RH2 assisted the Port and Malaga Water District to prepare a water main extension from Malaga Water District's distribution system to the LOJO Property to convey potable water to the industrial site. RH2 assisted with the design of approximately 4,500 LF of parallel 18-inch and 6-inch PVC water mains. This infrastructure also included fire hydrants, valve vaults, and a recirculation pump station. RH2 provided bidding services, construction administration, and construction observation for the entire project. Cassidy Brand was the field engineer for this project throughout construction and enforced design standards while keeping the overall project moving forward.

RESOLUTION NO. XXXX

A RESOLUTION OF THE CITY COUNCIL OF CITY OF SNOQUALMIE, WASHINGTON SELECTING AND AUTHORIZING EXECUTION OF A CONTRACT AMENDMENT FOR ENGINEERING SERVICES WITH RH2 ENGINEERING INC. TO PROVIDE CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES FOR THE RECLAIMED WATER DISTRIBUTION SYSTEM IMPROVEMENTS PROJECT.

WHEREAS, pursuant to Ordinance No. 448 as codified in Snoqualmie Municipal Code Section 1.08.010, the City of Snoqualmie has adopted the classification of non-charter code city, retaining the mayor-council plan of government as provided for in Chapter 35A.12 RCW; and

WHEREAS, pursuant to RCW 39.80, agencies contracting for architectural and engineering services must publicly announce requirements for such services, and negotiate contracts for these services on the basis of demonstrated competence and qualification, and at fair and reasonable prices; and

WHEREAS, on March 18th, 2025, City staff advertised a request for qualifications for the construction management and inspection services of the Reclaimed Water Distribution System Improvements project (the "Project"), and reviewed qualification statements from RH2 Engineering, Inc., Parametrix, Inc., and Gray and Osborne, Inc.

WHEREAS, after evaluation of the proposals and checking of references, a panel of City staff selected RH2 Engineering as the most qualified firm to provide construction management and inspection services for the Project; and

WHEREAS, after evaluation of the proposals and checking of references, a panel of City staff selected RH2 Engineering as the most qualified firm to provide construction management and inspection services for the Project.

NOW, THEREFORE, BE IT HEREBY RESOLVED BY THE CITY COUNCIL OF THE CITY OF SNOQUALMIE AS FOLLOWS:

Section 1. Scope of Work Amended. Exhibit A ("Scope of Work") to the Agreement dated December 2, 2022, is hereby amended to add the additional engineering services during construction work tasks set forth in Exhibit A to Amendment No. 3.

Section 2. Compensation Amended. Section 2 of the Agreement dated December 2, 2022, entitled ("Compensation"), is hereby amended to increase the total compensation to be paid Consultant for the work from $1,049,192 to $1,704,392.

Section 3. Exhibit B Amended. Exhibit B to the Agreement dated December 2, 2022, is hereby amended to add the additional compensation and fee estimate details set forth in Exhibit B to Amendment No. 3.

Section 4. Exhibit C Amended. Exhibit C to the Agreement dated December 2, 2022, is hereby amended to revise the rates and charges in Exhibit C to Amendment No. 3.

Section 5. No Other Provisions Affected. Except as modified in this Amendment No. 3, all other provisions of the Agreement dated December 2, 2022, remain in full force and effect.

Section 6. Effective Date. Amendment No. 3 is effective as of the date of the last signature affixed below.

PASSED by the City Council of the City of Snoqualmie, Washington, this 27th day of May 2025.

_____
Katherine Ross, Mayor

Attest:

_____
Deana Dean, City Clerk

Approved as to form:

_____
Dena Burke, City Attorney