



RESOLUTION NO. U-11613

1 A RESOLUTION related to the purchase of materials, supplies, equipment and
2 the furnishing of services; authorizing the City officials to enter into
3 contracts and, where specified, waive competitive bidding requirements,
4 authorize sale of surplus property, or increase or extend existing
5 agreements.

6 WHEREAS the City of Tacoma, Department of Public Utilities, requested
7 bids or proposals for the purchase of certain materials, supplies, equipment or
8 the furnishing of certain services, or proposes to purchase off an agreement
9 previously competitively bid and entered into by another governmental entity or
10 a purchasing cooperative, or for the sales of surplus, or desires to increase or
11 extend an existing agreement, all as explained by the attached Exhibit "A,"
12 which by this reference is incorporated herein, and

13 WHEREAS in response thereto, bids or proposals (or prices from
14 another governmental or cooperative agreement) were received, all as
15 evidenced by Exhibit "A," and

16 WHEREAS the Board of Contracts and Awards or the requesting division
17 have heretofore made their recommendations, which may include waiver of the
18 formal competitive bid process because it was not practicable to follow said
19 process, or because the purchase is from a single source, or there is an
20 emergency that requires such waiver, or because a directly negotiated contract
21 was determined to be in the best interest of the City, or waiver of minor
22 deviations, and in the case of sale of surplus, a declaration of surplus has been
23 made certifying that said items are no longer essential for continued effective
24 utility service, as explained in Exhibit "A," Now, therefore,
25
26



1 BE IT RESOLVED BY THE PUBLIC UTILITY BOARD OF THE CITY OF TACOMA:

2 That the Public Utility Board of the City of Tacoma hereby concurs and
3 approves the recommendations of the Board of Contracts and Awards or
4 the requesting division, and approves, as appropriate: (1) the purchase or
5 furnishing of those materials, supplies, equipment or services recommended for
6 acceptance; (2) the sale of surplus materials, supplies or equipment
7 recommended for acceptance; (3) the purchase from a cooperative or another
8 governmental entity contract; and (4) the increase or extension of an existing
9 agreement, and said matters may include waiver of the formal competitive bid
10 process or waiver of minor deviations, all as set forth on Exhibit "A," and
11 authorizes the execution, delivery and implementation of appropriate notices,
12 contracts and documents by the proper officers of the City for said transactions.
13

14 Approved as to form:

15
16 _____
17 /s/
18 Chief Deputy City Attorney

19 _____
20 Clerk

Adopted _____



Resolution No.: U-11613

Item No.:

Meeting Date: JULY 22, 2026

TO: Board of Contracts and Awards
FROM: Keri Burchard-Juarez, Superintendent, Tacoma Water
Stuart Vaughan, Division Manager, Tacoma Water
Jason Moline, Professional Engineer, Tacoma Water
COPY: Public Utility Board, Director of Utilities, Board Clerk, EIC Coordinator, LEAP
Coordinator, and Brandon Snow, Senior Buyer, Finance/Purchasing
SUBJECT: Canyonfalls Creek Pump Station Project
Request for Proposals Specification No. TW24-0221F, Contract No.
CW2271597 – July 22, 2026, Public Utility Board
DATE: July 2, 2026

RECOMMENDATION SUMMARY: Tacoma Water requests approval to increase Contract No. CW2271597 with Tapani Inc, Battle Ground, WA, by \$16,609,845.00, plus a five percent contingency, budgeted from the Water Capital Reserve Fund 4600-CPTL, for the planned Progressive Design-Build amendment to construct Canyonfalls Creek Pump Station (CCPS) and associated Pipeline 1 (P1) improvements. This increase will bring the contract to a projected total of \$23,994,642.25, plus applicable taxes.

STRATEGIC POLICY PRIORITY:

- Foster a vibrant and diverse economy with good jobs for all Tacoma residents.
- Assure outstanding stewardship of the natural and built environment.

BACKGROUND:

In 2018, the Washington State Department of Health (DOH) performed a Sanitary Survey of Tacoma Water's system and provided a report that noted Tacoma Water has a significant deficiency with P1 due to the pipeline not being fully pressurized over its entire length. DOH requested that Tacoma Water develop an approach to pressurizing the pipeline and to prioritize P1 in our Capital Improvements Program.

In 2021, Tacoma Water entered into a bilateral agreement with DOH to pressurize P1 by 2051. An owner's advisor consultant was selected to identify individual capital projects that must be completed towards the goal of pressurization. Through that effort, CCPS was identified as the first priority project in the capital program.

Although the project is not a regulatory requirement, CCPS and associated modifications to P1 will reduce risk to widespread water delivery and will facilitate simplified construction for upcoming P1 pipe replacement projects.

In 2024, consistent with RCW 39.10, Washington State's Capital Projects Advisory Review Board (CPARB) approved Tacoma Water to utilize a Progressive Design-Build (PDB) delivery method for the design and construction of the pump station and associated improvements. Following the CPARB approval, Tacoma Water solicited PDB proposals for planning, design, and construction of the pump station, large diameter inline valves, modification of standpipes and associated site improvements at all infrastructure locations.



PDB contracts anticipate two or more amendments generally of increasing scale to provide a completed work. The original contract was for the Planning / Validation period and Conceptual Design, and Amendment 1 was for design completion and early procurement. Amendment 2 is being brought to the Public Utility Board (PUB) for the Guaranteed Maximum Price (GMP) to construct the project. GMP establishment at approximately 60% design completion is a standard feature of the PDB process and is intended to provide cost certainty while maintaining project schedule.

ISSUE: The schematic design effort for CCPS is substantially complete, and Tacoma Water seeks approval of Amendment Two for construction to finish the project.

P1 must be pressurized over its entire length by 2051 to comply with the bilateral agreement between DOH and Tacoma Water. This pump station and associated work must be constructed so that future critical pipe replacement work can take place without interruption of service to customers.

ALTERNATIVES: One alternative is to defer the project. The delay could result in failure to meet critical deadlines stipulated in the terms of our low-interest loan from the State of Washington. The expected result would be a higher project cost. Additionally, this alternative does not reflect the intent or benefits of the PDB delivery method. Delay may increase future construction costs due to inflation.

COMPETITIVE SOLICITATION: In accordance with RCW 39.10.330, a two-step solicitation approach was used to identify the most qualified PDB team. Tacoma Water was assisted by an owner advisor team from Brown and Caldwell, who are experienced in managing alternative delivery projects. Brown and Caldwell provided insight and facilitation of the process as non-voting members of the Selection Advisory Committee (SAC).

Request for Qualifications Specification No. TW24-0108F was opened on September 3, 2024. Five statements of qualifications (SOQ) were received and evaluated by the SAC based on the PDB teams' qualifications and performance references, team experience and qualifications, project controls and development of the GMP, and disadvantaged business utilization performance. All five submittals met the general requirements. The three highest scoring teams were then invited to enter the proposal phase of the solicitation process.

Request for Proposals Specification No. TW24-0221F received three proposals from finalists on November 19, 2024. Proposals were submitted in two parts, written proposal and price factor forms. Price factor forms were held by Purchasing staff until after the proposal scores were submitted. Proposals were evaluated based on overall management approach, GMP development plan, design development and management plan, construction management, project sequencing, and scheduling, and disadvantaged business outreach and inclusion plan. In-person interviews with each finalist were also conducted and considered as part of the scored criteria.

Scoring after proposal submission and interviews was cumulative and included SOQs and Proposals.



Following the cumulative scoring, price factor forms were opened and scored with the lowest price factor receiving the most points. Price factor points were added to the cumulative score to obtain final evaluated scores. Tapani Inc achieved the highest combined technical and price score. The table below reflects the total scores of the finalists.

<u>Respondent</u>	<u>Location</u>	<u>Score</u>
Tapani Inc	Battle Ground, WA	133.5
Emery & Sons Construction Group LLC	Salem, OR	127.0
Sundt Construction Inc	Vancouver, WA	107.5

CONTRACT HISTORY: This contract was awarded to Tapani Inc, Battle Ground, WA as a result of Request for Proposals Specification No. TW24-0221F on March 26, 2025, in the amount of \$1,245,131.00, plus applicable taxes, under Resolution U-11517.

Resolution No. U-11571 increased the authorized spending by \$5,309,174.00, for a projected total of \$6,554,305.00, plus applicable taxes, on December 10, 2025, for completion of design and early procurement of equipment and materials.

SUSTAINABILITY: Per Resolutions No. 38249, 38907, and 41385, appropriate green building practices, sustainable materials management practices, and sustainable deconstruction and salvage efforts will apply during the construction phases of the project.

EQUITY IN CONTRACTING (EIC) COMPLIANCE: Not applicable – Pursuant to RCW 39.10.330, the City's inclusion goals are 10 percent certified minority-owned businesses, 6 percent certified women-owned businesses, 5 percent certified small business enterprises, 5 percent veteran-owned businesses, and 30 percent local businesses.

LOCAL EMPLOYMENT AND APPRENTICESHIP TRAINING PROGRAM (LEAP) COMPLIANCE: The LEAP requirements for this project are 15 percent of the project labor hours must be worked by Local Employees and an additional 15 percent of the labor hours must be worked by Apprentices, per TMC 1.90.040.



FISCAL IMPACT:

EXPENDITURES:

FUND NUMBER & FUND NAME *	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT
4600-CPTL	WTR-00637		\$17,440,337.25
TOTAL			Up to \$17,440,337.25

REVENUES:

FUNDING SOURCE	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT
4600-CPTL	TBD		(\$17,440,337.25)
TOTAL			Up to (\$17,440,337.25)

FISCAL IMPACT TO CURRENT BIENNIAL BUDGET: \$17,440,337.25, plus applicable taxes

ARE THE EXPENDITURES AND REVENUES PLANNED AND BUDGETED? Yes

IF EXPENSE IS NOT BUDGETED, PLEASE EXPLAIN HOW THEY ARE TO BE COVERED. N/A



Date: July 9, 2026
To: Public Utility Board, Tacoma Public Utilities
From: Jason Moline, Professional Engineer / Project Manager, Tacoma Water P&E
Terry Forslund, Engineering Manager / Project Sponsor, Tacoma Water P&E
Subject: Tacoma Water Canyonfalls Creek Pump Station, Contract Amendment 2 (GMP)

Purpose

Tacoma Water is requesting a planned amendment to the Canyonfalls Creek Pump Station (CCPS) project. This amendment will increase the project to a total of up to \$23,994,642.25 including contingencies (plus applicable taxes). This memo explains the project scope, complexity, and the primary cost drivers. It supplements the letter to the Board of Contracts and Awards with additional background.

Pump Station

CCPS is a critical component of the Pipeline 1 (P1) Pressurization Program. The facility will provide the ability to reverse-pump up to 17 MGD (12,000 gpm) from McMillin Reservoir to the plateau service area. This capability will:

- Maintain service continuity during future P1 shutdowns, which currently can only occur in the wet season and for limited duration (approximately one week).
- Improve reliability for customers served by P1 today and in the future.
- Meet Tacoma Water's wholesale water supply commitments to the City of Bonney Lake.

While CCPS will normally operate to help serve nearby distribution areas and support full buildout of the Tehaleh development, most of the pumping capacity enables reverse operation of P1 during planned outages for future system improvements. During reverse operation, the lower end of Pipeline 1 will be fully pressurized from McMillin through Bonney Lake.

Pipeline Improvements

The project includes major improvements at multiple locations along P1, not just construction of an unusually large, complex pump station. These elements are essential to long-term service continuity and the overall P1 rehabilitation program. Key components include:

- Two new large-diameter inline valves.
- Modifications to replace six existing standpipes with air and vacuum relief valves.
- Over 1,200 linear feet of new offsite 24-inch piping.
- Replacement of approximately 200 feet of 54-inch 1931 concrete pipe in P1 with new welded steel pipe to improve reliability and allow forensic analysis to support decisions about existing similar pipe materials during future P1 replacement projects.

Complexity

The CCPS is effectively two pump stations in one, designed to operate under six different hydraulic scenarios depending on P1 conditions during shutdowns for various planned maintenance activities.

Additional complexity arises because:

- P1 is over 100 years old and has been constructed and reconstructed using multiple pipe materials and standards at various times.
- When pumping uphill, flow from CCPS will need to vary to feed the two Tacoma Water and one City of Bonney Lake pump stations upstream that supply the distribution system without causing excessive pressure variation in P1.

- Reverse operation introduces new complex surge conditions requiring specialized hydraulic modeling and mitigation measures including surge tanks, pressure release valves, and upgrades to existing air release valves.
- Three separate consultants have been engaged to study modeling for the overall P1 program, water hammer from CCPS operations, and fluming conditions during the interim period before P1 is fully pressurized.
- Approximately 45 workshops (in addition to weekly meetings) with both the Design-Builder and Tacoma Water have been needed so far to address design and operational concerns.

The progressive design-build (PDB) delivery method was intentionally chosen to manage this complexity, leveraging early contractor involvement to minimize risks to P1 and customers during shutdowns for construction.

Cost

This project is the first construction work in the P1 program. The cost reflects both the pump station facility and the associated transmission system improvements. Some P1 work that was planned for future phases of P1 program improvements have been incorporated in this project to help the pump station function as intended.

Several factors drive the total project cost:

- **Large, unique pump station:** An approximately 2,700 SF facility with 5 pumps and a combined 750 HP (plus space for 1 spare to be added later if needed) to pump uphill through a legacy transmission pipeline requires substantial structural, mechanical, and electrical systems. Based on benchmarking, the adjusted pump station price is consistent with similar facilities when scaled for size and inflation.
- **Extensive pipeline work:** The standpipe modifications, valve installations, offsite piping, and large-diameter pipe replacement represent significant construction beyond the station itself.
- **Cost avoidance for future P1 work:** Building these improvements now avoids re-work later and reduces the risk of extended shutdowns during the broader P1 rehabilitation program.
- **Inflation:** Since early 2020, regional construction costs have increased 35–50%, or 5–7% annually.
- **Non-contract costs:** The \$28M total budget includes approximately \$4M for items outside Tapani's work, such as taxes, owner's agent costs (Brown and Caldwell), power utility work (PSE), special inspections (CTL), real property acquisition, as well as Tacoma Water staff.

Scope Management

An alternatives analysis was performed to consider other options for this project, such as more distribution system improvements, only replacing portions of P1 by installing new parallel pipes nearby, or using a prefabricated pump station. However, the current proposal was found to be the most cost-effective in the long run.

Also, installation of a redundant pump was deferred pending future growth. A smaller permanent backup generator is currently proposed because some pumps used primarily during planned shutdowns in the dry season will only have backup power when a portable second generator is temporarily brought in for risk reduction.

Certain features have been moved to an optional betterments list and will only be added selectively if subcontractor buyouts come in lower than expected. These include noise, dehumidification, and heating improvements within the pump room.

CC: Jackie Flowers, Director of Utilities
 Keri Burchard-Juarez, Water Superintendent
 Stuart Vaughan, Division Manager, Tacoma Water Planning & Engineering
 Senait Gebreeyesus, Principal Engineer, Tacoma Water Planning & Engineering

Attachments: Appendix (Figures), C&A Letter for Amendment 2 of the CCPS project

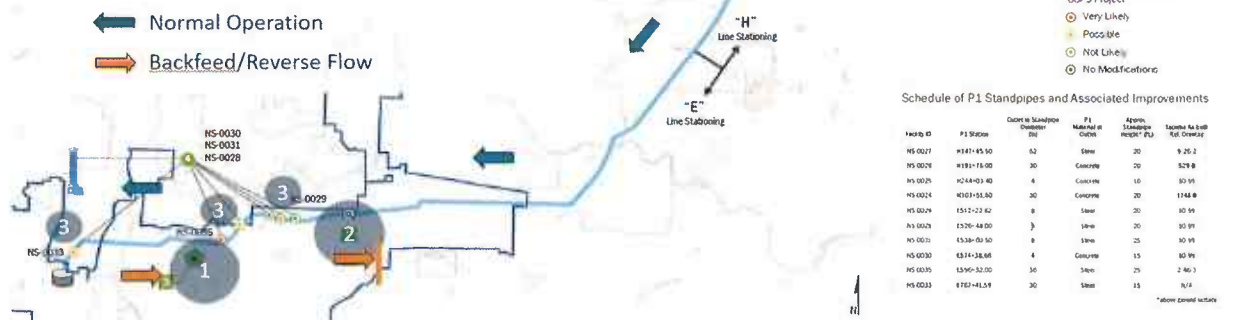
Appendix (Figures)

Map and Scope

Canyonfalls Creek PS Scope

Project Components:

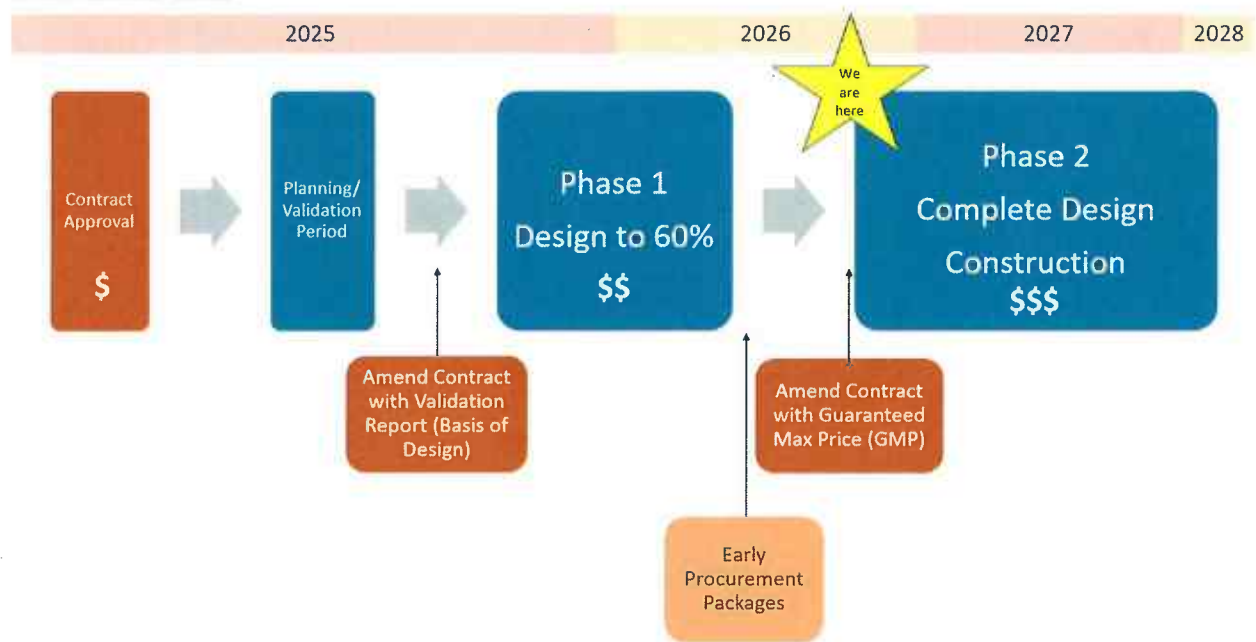
1. Pump Station (2 in 1)
 - P1 Program – reverse flow
 - Tehaleh – additional capacity
2. Two New Isolation Valves
3. Modification of ~6 Standpipes
4. Cumberland CCRC Pipe Testing



Drone Photo Looking to the West



Project Schedule



Preliminary Rendering of the New Pump Station Building



Public Web Page

- <https://www.mytpu.org/community-environment/projects/canyonfalls-creek-pump-station/>



Resolution No.: U-11613

Item No.: _____

Meeting Date: JULY 22, 2026

TO: Board of Contracts and Awards
FROM: Keri Burchard-Juarez, Superintendent, Tacoma Water
Jerrod Davis, Division Manager, Tacoma Water
Michael Gorenson, Professional Engineer, Tacoma Water
COPY: Public Utility Board, Director of Utilities, Board Clerk, EIC Coordinator, LEAP
Coordinator, and Brandon Snow, Senior Buyer, Finance/Purchasing
SUBJECT: Green River Filtration Facility Ozone System Replacement Project
Request for Bids Specification No. TW26-0014F, Contract No. CW2283378 –
July 22, 2026 Public Utility Board
DATE: June 30, 2026

RECOMMENDATION SUMMARY: Tacoma Water recommends awarding a contract to Award Construction Inc, Ferndale, WA, in the amount of \$5,447,760, plus a 15 percent contingency, budgeted from the Tacoma Water Fund 4600, for a projected contract amount of \$6,264,924, plus applicable taxes, for the construction of improvements to the Green River Filtration Facility (GRFF) ozone system.

STRATEGIC POLICY PRIORITY:

- Strengthen and support a safe city with healthy residents.
- Assure outstanding stewardship of the natural and built environment.

The services provided by this contract are necessary to maintain the operations of the GRFF to provide clean, reliable drinking water to all Tacoma residents and Tacoma Water customers.

BACKGROUND:

Ozone gas is generated onsite at the GRFF by applying electrical discharge to oxygen gas. The ozone gas is then injected into the water supply, providing a number of benefits before the ozone converts back into oxygen. These benefits include control of taste and odor in the water, additional disinfection, and improved pretreatment in advance of filtration. Taste and odor control is a particularly critical function of the GRFF ozone system because storing Green River water in Eagle Gorge Reservoir behind Howard A. Hanson Dam can degrade the quality of the water due to algae growth. Future downstream fish passage operations at Howard A. Hanson Dam are expected to exacerbate taste and odor issues in the untreated river water, increasing the value delivered by the ozone system.

The ozone system at the GRFF has been in operation since 2007. Parts of the system have reached the end of their serviceable life and need replacement. This project will extend the useful life of the ozone system by replacing the power supply units and other failing components.

ISSUE: Tacoma Water has pre-procured critical long-lead-time equipment directly from the original manufacturer, Veolia Water Treatment Solutions USA. Upon contract award, Award Construction Inc will install this equipment and perform the required upgrades to the ozone system.



ALTERNATIVES: The alternatives include not installing the pre-procured equipment and letting the existing system fail.

COMPETITIVE SOLICITATION: Request for Bids Specification No. TW26-0014F was opened June 16, 2026. One hundred seventy-five (175) companies were invited to bid in addition to normal advertising of the project. Three (3) submittals were received.

Award Construction Inc submitted a bid that resulted in the lowest evaluated submittal. The table below reflects the amount of the base award.

<u>Respondent</u>	<u>Location</u>	<u>Submittal Amount</u>
Stellar J Corporation	Woodland, WA	\$5,213,260*
Award Construction Inc	Ferndale, WA	\$5,447,760
Prospect Construction Inc	Puyallup, WA	\$6,704,912

*The apparent low bidder, Stellar J Corporation, provided objective evidence of a demonstrable clerical error and, after legal review, was allowed to rescind their bid.

Pre-bid Estimate: \$4,200,000 excluding taxes
The recommended award is 30 percent above the pre-bid estimate.

CONTRACT HISTORY: New Contract.

SUSTAINABILITY: The specification described complies with the City of Tacoma's Sustainable Procurement Policy, encouraging the use of products or services that help minimize environmental and human health impacts.

EQUITY IN CONTRACTING (EIC) COMPLIANCE: Not applicable - EIC Exception: Lack of certified contractors.

LOCAL EMPLOYMENT AND APPRENTICESHIP TRAINING PROGRAM (LEAP) COMPLIANCE: Not Applicable



FISCAL IMPACT:

EXPENDITURES:

FUND NUMBER & FUND NAME *	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT
4600 Water Fund	20000129463	5330100	\$6,264,924
TOTAL			Up to \$6,264,924

REVENUES:

FUNDING SOURCE	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT
4600 Water Fund			(\$6,264,924)
TOTAL			Up to (\$6,264,924)

FISCAL IMPACT TO CURRENT BIENNIAL BUDGET: \$2,000,000, PLUS APPLICABLE TAXES

ARE THE EXPENDITURES AND REVENUES PLANNED AND BUDGETED? Yes

IF EXPENSE IS NOT BUDGETED, PLEASE EXPLAIN HOW THEY ARE TO BE COVERED. N/A