



RESOLUTION NO. U-11450

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

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

Approved as to form:

_____	_____
<i>/s/</i>	Chair
Chief Deputy City Attorney	_____
	Secretary
_____	Adopted _____
Clerk	



Resolution No.: U-11450

Item No.: /

Meeting Date: APRIL 10, 2024

TO: Board of Contracts and Awards
FROM: Chris Robinson, Superintendent/COO, Power
Chris Mattson, Section Manager, Generation, Power
Ozan Ferrin, Engineering Manager, Generation, Power
COPY: Steve Belvin, Power Systems Engineer, PE, Generation, Power
Public Utility Board, Director of Utilities, Board Clerk, EIC Coordinator, LEAP
Coordinator, and Ryan Foster, Finance/Purchasing
SUBJECT: Mayfield Powerhouse Crane Controls Upgrade
Request for Proposal, Specification No. PG23-0128F, Contract No. CW2264587
– April 10, 2024 Public Utility Board
DATE: March 12, 2024

RECOMMENDATION SUMMARY:

Tacoma Power recommends a contract be awarded to WEMCO Inc., Spokane, WA, in the amount of \$2,512,699, plus applicable taxes, budgeted from the Power Fund - 4700, for a contract term of two years, April 30, 2024 to April 30, 2026, to modernize the primary overhead crane at the Mayfield Powerhouse located at Tacoma Power's Cowlitz Hydroelectric Project.

BACKGROUND:

The Mayfield Powerhouse primary overhead crane is required to move all major equipment and perform major maintenance in the powerhouse that houses four hydroelectric generators. The controls for this crane were last updated in 1961 using the available technology of that time. This project will improve safety, performance, and reliability of the control system. This crane's readiness for service impacts Tacoma Power's ability to quickly respond to the repair needs of our generators, and contributes to the reliability and availability of our generating assets and power supply for our customers.

ISSUE: The controls on this crane have become increasingly less reliable and difficult to maintain as the parts continue to age and fail. There have been instances where mobile cranes were necessary due to the unavailability of the crane. Many of the parts are obsolete or difficult to replace and the original design is inferior to today's technology. The crane cannot currently control the load with the precision expected from cranes in use today creating safety and operational risk.

ALTERNATIVES: The scope of this contract is the minimum possible to achieve smooth and precise control of the crane. Another option considered was the replacement of the crane itself, but the best value is to replace the motors and motor controls at a lower cost than replacing the entire crane structure.

COMPETITIVE SOLICITATION:

Request for Proposal, Specification No. PG23-0128F, was opened February 6, 2024. Nine companies were invited to bid in addition to normal advertising of the project. Three submittals were received.



The contractor offering the best value to the City chosen by the selection committee did not have the lowest price. Qualifications and experience of the firms and their key personnel had significant consideration.

WEMCO Inc. submitted a bid that resulted in the highest evaluated submittal. The table below reflects the amount of the base award.

<u>Respondent (RFP)</u>	<u>Location</u> <i>(city and state)</i>	<u>Score</u>
WEMCO Inc.	Spokane, WA	83
American Crane & Equipment	Douglassville, PA	77
K&N	Spokane, WA	64

Pre-bid Estimate: \$1,700,000

The recommended award is 63 percent above the pre-bid estimate.

CONTRACT HISTORY: New Contract

SUSTAINABILITY: This contract contributes to Sustainable Materials by extending the life of the existing crane.

EQUITY IN CONTRACTING (EIC) COMPLIANCE: **Not applicable - EIC Exception: Lack of certified Contractors**

LOCAL EMPLOYMENT AND APPRENTICESHIP TRAINING PROGRAM (LEAP) COMPLIANCE: The LEAP Requirement for this project is 15 percent of the project labor hours must be completed by Apprentices, per TMC 1.90.040.

FISCAL IMPACT:

EXPENDITURES:

FUND NUMBER & FUND NAME *	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT
4700 – Power	PWR-01181	6311221	\$2,512,699
TOTAL			Up to \$2,512,699

REVENUES:

FUNDING SOURCE	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT
4700 - Power	PWR-01181	6311221	(\$2,512,699)
TOTAL			Up to (\$2,512,699)



FISCAL IMPACT TO CURRENT BIENNIAL BUDGET: \$500,000

ARE THE EXPENDITURES AND REVENUES PLANNED AND BUDGETED? YES

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



Resolution No.: U-11450
Item No.: 2
Meeting Date: APRIL 10, 2024

TO: Board of Contracts and Awards
FROM: Scott Dewhirst, Superintendent, Tacoma Water
Jessica Knickerbocker, Division Manager, Tacoma Water
Ali Polda, Principal Engineer, Tacoma Water
COPY: Public Utility Board, Director of Utilities, Board Clerk, EIC Coordinator, LEAP
Coordinator, and Brandon Snow, Senior Buyer, Finance/Purchasing
SUBJECT: Owner's Advisor Professional Services Pipeline 1 (P1) Program
Architectural and Engineering (A&E) Roster Contract No. C2437 – April 10, 2024
Public Utility Board
DATE: March 20, 2024

RECOMMENDATION SUMMARY: Tacoma Water requests approval to increase Contract No. 2437 to Brown and Caldwell, Tacoma, WA, by \$1,381,789, plus applicable taxes, to bring the contract to a cumulative total of \$2,053,524, plus applicable taxes, budgeted from the Water Fund 4600, extended through December 31, 2027, for Owner's Advisor professional services in support of the P1 Program.

BACKGROUND:

P1 is a 27-mile transmission pipeline, built primarily between the 1910's and 1950's, conveying potable water to Tacoma from the Green River Filtration Facility. It is one of the primary water supply pipelines for Tacoma Water customers. Through a regulatory compliance agreement with the Washington State Department of Health (WSDOH), P1 is required to be fully pressurized by the year 2051.

P1 was originally designed to flow full by gravity through the 1970's; excess water not stored or used by customers was diverted to the Puyallup River. In the 1980's, environmental regulations modified the way Tacoma Water operated P1; the flow was significantly reduced to eliminate any water diversion. As a result, sections of P1 are partially full and not pressurized.

In 2018, the WSDOH performed a Sanitary Survey of Tacoma Water's system. The report noted that Tacoma Water has a deficiency with P1 due to the pipeline not being fully pressurized over its entire length per WAC 246-290-230(9), despite having no water quality violations to date.

A programmatic Implementation Plan was developed with the assistance of Jacobs Engineering Group Inc in 2021, which evaluated different alternatives to pressurize P1 by 2051. In 2022, Tacoma Water contracted with Brown and Caldwell as an Owner's Advisor to provide technical program assistance and continuity into the next phases of program implementation. In the preliminary work, Brown and Caldwell reviewed existing documentation, completed a more detailed hydraulic and seismic analysis, further developed the program capital improvement plan, and made recommendations required for the next phase of the investigation and studies.

ISSUE: The WSDOH issued a consent decree in 2021 giving Tacoma Water 30 years for P1 to meet the WAC 246-290-230 pressurization requirements. Pressurizing P1 requires significant changes to the infrastructure, including the construction of hydraulic facilities, pump stations, and pipeline replacement as identified in preliminary work efforts. In addition, there are



significant known and unknown risks to increasing the pressure which needs to be explored prior to implementing any changes to the system. This amendment expands the scope for the next phase of the program and includes professional services for program management, hydraulic modeling, engineering design, seismic studies, condition assessment support, and progressive design-build project delivery. Planning the P1 pressurization improvements and investigating the risks are critical to the success of the program, therefore support from consultants to augment staff and provide technical expertise is required.

ALTERNATIVES: One alternative to amending this contract is to hire additional Tacoma Water employees to provide the expertise and resources needed. However, the program is labor-intensive and highly technical, with limited experts across the country. This makes hiring staff with the requisite expertise and experience a non-viable option.

Another alternative to amending this contract is to procure a different consultant. However, when the Owner's Advisor work was solicited, it was envisioned that preliminary work would need to be done first, followed by an amendment, to determine the nature and extent of the remaining work. In addition, the continuation of the initial work and this amendment with the same consultant provides efficiencies, consistency, and comprehensive program delivery for Tacoma Water.

COMPETITIVE SOLICITATION:

Seven firms from the City's A&E Roster were identified as qualified to perform the required services and were invited to submit an updated, project specific Statement of Qualifications (SOQ). Five SOQ's were received. The Selection Advisory Committee interviewed the two highest evaluated firms based on SOQ scoring. Brown and Caldwell was the highest scoring firm based on evaluation criteria.

CONTRACT HISTORY: This contract was originally awarded to Brown and Caldwell on October 12, 2022, in the amount of \$671,735, with a termination date of December 31, 2024, under Resolution No. U-11347.

Amendment No. 1 seeks to add additional funding in the amount of \$1,381,789 and extends the termination date to December 31, 2027. The amendment expands the scope of professional services for the program as previously described.

SUSTAINABILITY: In accordance with Resolution No. 40776, a commitment to reducing the City's carbon footprint, most project meetings will be conducted virtually and hybrid or electric vehicles will be used to attend in-person meetings and field visits by City staff.

EQUITY IN CONTRACTING (EIC) COMPLIANCE: Not applicable – Service contract – EIC Regulations are not yet established

LOCAL EMPLOYMENT AND APPRENTICESHIP TRAINING PROGRAM (LEAP) COMPLIANCE: Not applicable to this contract.



FISCAL IMPACT:

EXPENDITURES:

FUND NUMBER & FUND NAME *	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT
4600 Water Fund	WTR-00637 (various)	5330100	\$1,381,789
TOTAL			Up to \$1,381,789

REVENUES:

FUNDING SOURCE	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT
4600 Water Fund	581100	Various	(\$1,381,789)
TOTAL			Up to (\$1,381,789)

FISCAL IMPACT TO CURRENT BIENNIAL BUDGET: \$520,000, 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