



RESOLUTION NO. U-11536

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

Chair

Secretary

19 _____
20 Clerk

Adopted



Resolution No.: U-11536

Item No.: /

Meeting Date: JUNE 25, 2025

TO: Board of Contracts and Awards
FROM: Chris Robinson, Power Superintendent/COO
Chris Mattson, Section Manager, Generation, Power
Dave Collins, Senior Manager, Nisqually Hydro Project
COPY: Public Utility Board, Director of Utilities, Board Clerk, EIC Coordinator, LEAP
Coordinator, and Ryan Foster, Senior Buyer, Finance/Purchasing
SUBJECT: Air Cooler Supply Procurement for LaGrande Unit 5 Generator
Not Practicable to Bid Waiver, Sourcing Request SR5126709212 – June 25,
2025, Public Utility Board
DATE: May 6, 2025

RECOMMENDATION SUMMARY: Tacoma Power requests a waiver of competitive procurement procedures and recommends that a contract be awarded to Unifin International for the purchase of six (6) direct-replacement air coolers for the LaGrande Unit 5 Generator, in the amount of \$800,000 plus applicable taxes, budgeted from the Power Fund - 4700.

BACKGROUND: The air coolers for Nisqually LaGrande Unit 5 are critical for maintaining acceptable operating temperatures and ensuring reliable generator performance. Originally manufactured and installed by General Electric (GE) in 1945, the system circulates water through a network of steel pipes to cool the surrounding air as the generator operates. The original coolers have never been replaced or reconditioned, and the cooling water pipes are experiencing increasing amounts of leakage over time due to corrosion. To address the deterioration, Tacoma Power Generation intends to procure six (6) direct-replacement air coolers.

ISSUE: Leakage from the air cooler water pipes creates uncontrollable pools of water at the base of the coolers, requiring the generator unit to be taken out of commercial operation to address this issue. Repairing these leaks is challenging without a lengthy generator outage, as the entire cooler assembly must be removed for repairs. As a temporary measure, leaking pipes are plugged at the inlets, gradually degrading the cooling system's overall effectiveness. The leakage is compounded over time as more pipes are failing over time.

ALTERNATIVES: Repairing the existing coolers was evaluated as an alternative. Tacoma Power solicited quotes for both repair and replacement options. Replacement was found to be significantly more cost-effective than repair. Furthermore, repairs would necessitate operating the generator with fewer coolers at a time, increasing operations risk and complexity.

COMPETITIVE ANALYSIS: This purchase qualifies for a "not practicable to bid" waiver. Advertising and competitively soliciting this procurement would be ineffective due to the highly specialized and proprietary nature of the required air coolers.

Unifin International is the sole owner of the original OEM (Original Equipment Manufacturer) design drawings for the specific coolers installed by General Electric in 1945. These proprietary specifications are essential for manufacturing exact, in-kind replacements that fit and function with the existing generator system. Without access to these drawings, other suppliers would be



required to reverse-engineer the coolers, introducing additional costs, extended lead times, and significant engineering risk that could compromise system compatibility and reliability.

Tacoma Power proactively contacted multiple potential suppliers capable of producing replacement air coolers. Preliminary quotes confirmed that, although alternative vendors exist, only Unifin has access to the original specifications needed to deliver direct replacements without reengineering.

To ensure competitive pricing, Tacoma Power solicited cost estimates from several vendors. Unifin's proposal was nearly 50% lower than others, while also eliminating the need for costly design work. This market analysis, combined with Unifin's unique technical capability, ensures that the City is receiving the best value and the lowest cost for this specialized procurement.

CONTRACT HISTORY: New contract.

SUSTAINABILITY: Not applicable.

EQUITY IN CONTRACTING (EIC) COMPLIANCE: Not applicable - Supply purchase - EIC Regulations are not yet established.

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
4700 - Power Fund	TBD	6311221	\$800,000
TOTAL			Up to \$800,000

REVENUES:

FUNDING SOURCE	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT
4700 - Power Fund	TBD	6311221	(\$800,000)
TOTAL			Up to (\$800,000)

FISCAL IMPACT TO CURRENT BIENNIAL BUDGET: \$800,000

ARE THE EXPENDITURES AND REVENUES PLANNED AND BUDGETED? No

IF EXPENSE IS NOT BUDGETED, PLEASE EXPLAIN HOW THEY ARE TO BE COVERED. Funds are available in Power Generation's capital budget.



Resolution No.: U-11536

Item No.:

2

Meeting Date: JUNE 25, 2025

TO: Board of Contracts and Awards
FROM: Chris Robinson, Power Superintendent/COO
Chris Mattson, Section Manager, Generation, Power
Matt Bleich, Natural Resources Asst. Section Manager, Generation
Matt Peter, Natural Resources Principal Analyst, Generation
David Cogswell, Natural Resources Analyst, Generation
COPY: Public Utility Board, Director of Utilities, Board Clerk, EIC Coordinator, LEAP
Coordinator, and Ryan Foster, Senior Buyer, Finance/Purchasing
SUBJECT: Fish Habitat Program Management & Support – Request for Proposal
Specification No. PG25-0001F, Contract Nos. CW2273769 (Cramer Fish
Sciences), CW2273765 (Stillwater Sciences), CW2273767 (Four Peaks
Environmental) – June 25, 2025 Public Utility Board
DATE: May 9, 2025

RECOMMENDATION SUMMARY: Tacoma Power (Generation, Natural Resources) recommends that contracts be awarded to Cramer Fish Sciences of Issaquah, WA; Stillwater Sciences of Portland, OR; and Four Peaks Environmental Science & Data Solutions LLC ("Four Peaks") of Wenatchee, WA, in the amount of \$833,333.33 each, plus applicable taxes, budgeted from the Power Fund 4700, for an initial contract term of five (5) years with the option to renew through a mutually agreed and executed Amendment, for a projected contract amount of \$2,500,000.00, plus applicable taxes, for fish habitat program management & support services.

STRATEGIC POLICY PRIORITY:

- Assure outstanding stewardship of the natural and built environment.

BACKGROUND: Tacoma Power owns and operates hydroelectric projects on four rivers in western Washington: the Cowlitz, Nisqually, North Fork Skokomish, and Wynoochee. It also maintains power transmission and distribution infrastructure throughout its service area. Each hydroelectric project operates under individual federal licenses, focused on protecting and enhancing aquatic and terrestrial resources within project boundaries and, in some cases, downstream areas impacted by dam operations. These license obligations are extensive and ongoing, covering habitat assessment, restoration, and long-term management across multiple watersheds.

Tacoma Power's Natural Resources group has been meeting these requirements by using task order-based Master Service Agreements with specialized consultants to support license implementation. The contracts used to support this work have expired, and new agreements are necessary to ensure continued delivery of these critical services. The proposed contracts will support current license obligations and help maintain compliance with environmental commitments. While the scope of work aligns with existing commitments, the contracts are structured to accommodate growing technical complexity and resource demands. If license obligations expand in the future, these contracts will allow the flexibility and capacity needed to support that additional work while maintaining compliance.



ISSUE: The City desires to retain professional services to provide fish habitat program management and support services to assist Tacoma Power's Natural Resources staff with aquatic habitat program management across the Cowlitz, Nisqually, Cushman, and Wynoochee hydroelectric projects. These services include habitat assessment, habitat characterization, habitat model development, restoration project management, and administrative support. The continuing scope and technical complexity of current license requirements necessitate external expertise to meet ongoing license implementation obligations and ensure regulatory compliance.

ALTERNATIVES: If these contracts are not awarded, Tacoma Power may lack the capacity and technical resources necessary to meet its license obligations related to habitat assessment, management, and restoration activities across its four hydroelectric projects. This could result in regulatory non-compliance issues and impact the utility's environmental stewardship commitments.

COMPETITIVE SOLICITATION: Request for Proposal Specification No. PG25-0001F was opened March 4, 2025. Four companies were invited to bid in addition to normal advertising of the project. Four submittals were received. Consultants submitted proposals which were evaluated by a three-member panel based on qualifications, experience, and approach. Each evaluator scored the proposals independently, and the scores were averaged to determine final rankings. The highest scoring proposals were submitted by Stillwater Sciences (87), Four Peaks (86), and Cramer Fish Sciences (81).

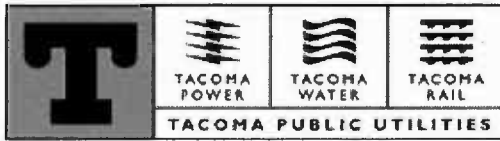
<u>Respondent</u>	<u>Location</u>	<u>Score</u>
Stillwater Sciences	Portland, OR	87
Four Peaks Environmental Science & Data Solutions, LLC.	Wenatchee, WA	86
S.P. Cramer & Associates, Inc. dba Cramer Fish Sciences	Issaquah, WA	81
LGL Limited & HDR	Ellensburg, WA	65

CONTRACT HISTORY: New contract.

SUSTAINABILITY: This contract directly supports sustainability by focusing on fish habitat assessment, characterization, modeling, and restoration activities. These services will help maintain healthy aquatic ecosystems and support the recovery of native fish populations, particularly salmon and steelhead, in watersheds impacted by hydroelectric operations. The work aligns with Tacoma Power's commitment to environmental stewardship and compliance with federal licensing requirements.

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.



FISCAL IMPACT:

EXPENDITURES:

FUND NUMBER & FUND NAME *	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT
Power Fund - 4700	Various	5310100	\$2,500,000.00
TOTAL			Up to \$2,500,000.00

REVENUES:

FUNDING SOURCE	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT
Power Fund - 4700	Various	5310100	(\$2,500,000)
TOTAL			Up to (\$2,500,000.00)

FISCAL IMPACT TO CURRENT BIENNIAL BUDGET: \$400,000.00

Contract Administration: Funds may be shifted between the three contracts as necessary to ensure optimal expertise deployment and cost effectiveness for the City of Tacoma while maintaining the total contract amount of \$2,500,000.00.

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-11536
Item No.: 3
Meeting Date: June 25, 2025

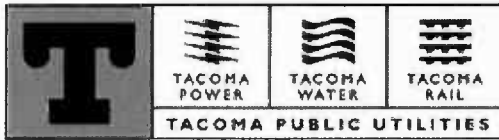
TO: Board of Contracts and Awards
FROM: Ray Johnson, Power Utility Section Manager, Power Management
Chris Juchau, Power Utility Manager, Power Management CAISO Market
Operations Administration
Rick Applegate, Principal Data Analyst, Power Management CAISO Market
Operations Administration
COPY: Public Utility Board, Director of Utilities, Board Clerk, EIC Coordinator, LEAP
Coordinator, and Sara Bird, Senior Buyer, Finance/Purchasing
SUBJECT: Contract Increase (Amendment No. 2) – Energy Imbalance Market and Energy
Trading and Risk Management Software Solution Implementation, Request for
Proposals, Specification No. PM19-0374F, Contract No. CW2233881 – June 25,
2025 Public Utility Board
DATE: April 28, 2025

RECOMMENDATION SUMMARY: Power Management requests approval to increase Contract No. CW2233881, to Power Costs, Inc. (PCI), of Norman, OK, by \$520,000, plus applicable taxes, budgeted from the Tacoma Power Fund 4700, for development, deployment, and support of three software modules within PCI's energy trading and risk management (ETRM) software suite that it currently provides to Tacoma Power. This increase will bring the total procurement to a projected total of \$8,660,000, plus applicable taxes.

BACKGROUND: In 2019, Tacoma Power issued a request for proposal (RFP) for software required to operate in the Western Energy Imbalance Market (WEIM). The PCI WEIM software consists of a collection of vendor hosted applications and support services that enable WEIM participation as well as related wholesale energy trading functions. Three vendors submitted competitive proposals to provide WEIM software, with Tacoma Power selecting PCI to provide the majority of the needed systems and support. The current agreement with PCI for software licensing and maintenance runs through April 2027.

ISSUE: The PCI software has generally functioned well since deployment in 2021, meeting most needs of the utility. However, three deficiencies in the existing system have been identified. Fortunately, PCI offers three software modules that can address each deficiency, but which require additional licensing. All three modules are compatible with, and will be equally useful, should Tacoma Power leave the WEIM and join Southwest Power Pool (SPP) Markets+. The three modules are as follows:

1. PCI Insights – This module is a data analytics package that would be implemented and maintained by PCI and will leverage PCI's existing proprietary database framework. This new module will allow Tacoma Power to query WEIM and internal data using standard methods, which will make Tacoma Power's data more accessible and transparent to the utility. This module will replace more expensive software currently licensed by Tacoma from a different vendor.
2. PCI LRMS – PCI Line Rating Management System (LRMS) is an application that calculates and communicates ambient adjusted line rating (AAR) information. Under the recent Federal Energy Regulatory Commission (FERC) Order 881, independent



system operators (ISO), regional transmission organizations (RTO), and jurisdictional transmission service providers (TSP) must calculate AAR for their transmission facilities and make transmission service available consistent with those ratings. Though not directly applicable to Tacoma Power, the utility still must be able to handle AAR information in a similar manner to reliably operate its transmission assets and to participate in centralized real-time and day-ahead energy markets.

3. PCI Minitag - PCI's Minitag application centralizes and streamlines E-tag communication so that internal and external systems receive timely and consistent data. E-tags, which represent energy that is interchanged among entities, must be communicated among various operating groups in Tacoma Power as well as external parties, including a central E-tag authority. Currently, communication methodologies used by the PCI system entail additional steps that introduce delay and create opportunities for inaccuracies when different systems use different vintages of E-tag data. This new module will enhance the reliability and speed of communicating E-tag data among the various users of the system in both the Power Management and Transmission and Distribution sections.

ALTERNATIVES: Tacoma Power could choose to rely on a combination of self-built, third party, and existing system functionality as an alternative to licensing these software modules from PCI. However, this would likely entail considerable internal or third-party costs, present opportunities for mistakes, as well as risk the ability of the organization to maintain compliance with reliability standards. Accordingly, it is recommended that Tacoma Power acquire these three software modules from PCI and not attempt a competitive procurement of similar services.

CONTRACT HISTORY: A contract was originally awarded to PCI as a result of Request for Proposal Specification No. PM19-0374F in March 2020. Together with the procurement of a related Outage Management System (OMS) from another provider and Amendment No. 1 to the contract, Tacoma Power has been authorized to spend up \$8,140,000 for this procurement. Obtaining PCI Insights, Minitag, and LRMS would require increasing this authorization by an additional \$520,000 over the remaining life of the agreement with PCI (or \$420,000 for the current biennium).

SUSTAINABILITY: This purchase of software is sustainable because it does not involve the direct consumption of significant resources, use potential contaminants in its processes, or result in the production of waste products.

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.



FISCAL IMPACT:

EXPENDITURES:

FUND NUMBER & FUND NAME *	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT
Tacoma Power Fund 4700	80000465	5310100	\$520,000
TOTAL			Up to \$520,000

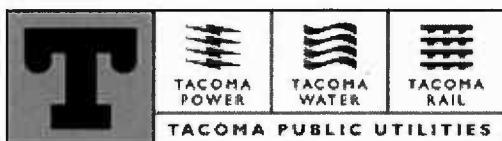
REVENUES:

FUNDING SOURCE	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT
Tacoma Power Fund 4700	80000465	5310100	(\$520,000)
TOTAL			Up to (\$520,000)

FISCAL IMPACT TO CURRENT BIENNIAL BUDGET: \$420,000

ARE THE EXPENDITURES AND REVENUES PLANNED AND BUDGETED? Partially.

IF EXPENSE IS NOT BUDGETED, PLEASE EXPLAIN HOW THEY ARE TO BE COVERED: Expenditures for two of the three modules will be offset by retiring more expensive software and decreasing other expenditures in the host cost center. The expense of the Line Rating Management System (LRMS) will need to be offset elsewhere in the Power Fund. It is important to note that the LRMS is needed to meet externally imposed requirements not known at the time of the biennium budget process.



Resolution No.: U-11536
Item No.: 4
Meeting Date: 6/25/25

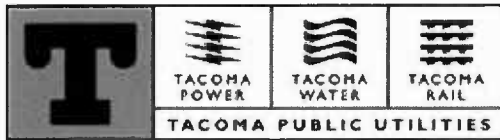
TO: Board of Contracts and Awards
FROM: Chris Robinson, Utilities Deputy Director/Supt. Power,
Kalyan Kakani, Section Manager, Utility Technology Services (UTS)
Joy Sage, Technology Division Manager, UTS Network and Communications
Thomas Stedman, Telecom Engineer Sr, Wide Area Network
COPY: Public Utility Board, Director of Utilities, Board Clerk, EIC Coordinator, LEAP
Coordinator, and Aaron Bratton, Sr Buyer Finance/Purchasing
SUBJECT: Care Software Support Services for the Multiprotocol Label Switching (MPLS)
Washington State Dept of Enterprise Services, Cooperative Agreement No.
00318, Contract No. CW2273179 – May 28, 2025 Public Utility Board
DATE: May 1, 2025

RECOMMENDATION SUMMARY: Tacoma Power's Utility Technology Services recommends a contract be awarded to Nokia of America Corporation of Murray Hill, NJ, in the amount of \$619,678.91, plus applicable taxes, budgeted from the Power Fund (4700), for an initial contract term of five years with the option to renew for additional one-year periods, for a projected contract total of \$739,678.91, plus applicable taxes, for hardware warranty, software upgrades, and technical support for TPU's Multiprotocol Label Switching (MPLS) wide area network.

BACKGROUND: In January 2017, UTS set out on a project to modernize TPU's wide area network infrastructure; it was a multiphased, multiyear project that upgraded the network infrastructure that connects all of TPU's remote sites, which include all substations, hydro generation sites, Tacoma Water's reservoirs, and intake facility. As equipment was deployed and phases completed, UTS has maintained an ongoing support agreement with the manufacturer. The last support renewal was November 2022 with a professional services contract with Nokia under Washington State Department of Enterprise Services Cooperative Contract for software and hardware support services including equipment repair/replace warranty, software patch releases, and technical support. UTS is now seeking to acquire maintenance and support services for the next five (5) years with the option to renew for an additional year.

ISSUE: TPU has upgraded its wide area network infrastructure, which connects all its remote sites to a current-generation MPLS wide area network. Nokia was selected as the vendor of choice due to their support of critical utility communication standards, and being a market leader in the region, supporting other utilities and public safety agencies. Over the past eight years, TPU has deployed approximately 175 routers across six counties in Western Washington. This maintenance agreement ensures ongoing support for the system's hardware and software. With the agreement, Nokia will support our current hardware by either repairing or replacing equipment sent to them within 45 days. They will also provide critical software releases and on-call technical support for TPU staff.

ALTERNATIVES: Without this maintenance agreement, hardware that would need to be repaired over the network's lifecycle would be sent back to Nokia so that they can



attempt a best-effort repair at an unknown time and materials rate. There would not be any guarantee of how long the repair would take or when the equipment would be returned. If the hardware weren't repairable, replacement hardware would need to be purchased new, if still manufactured, or procured via a secondary resell channel if new hardware is no longer available. Without software support, we would be running various software releases across different routers, which would eventually be outdated, possibly with security vulnerabilities.

COMPETITIVE SOLICITATION: WA State Department of Enterprise Services Request for Proposal Specification No. 00318 was opened February 26, 2025. 42 companies were invited to bid in addition to normal advertising of the project. 22 submittals were received. Nokia was one of many suppliers selected to contract with the Department of Enterprise Services.

CONTRACT HISTORY: New contract.

SUSTAINABILITY: Not applicable – Interlocal/Cooperative Purchasing.

EQUITY IN CONTRACTING (EIC) COMPLIANCE: Not applicable - EIC Exception: Interlocal/Cooperative Purchasing.

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
4700 - Power	CC 563200	5412170	\$739,678.91
TOTAL			Up to \$739,678.91

REVENUES:

FUNDING SOURCE	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT
4700 - Power	CC563200	5412170	(\$739,678.91)
TOTAL			Up to (\$739,678.91)



FISCAL IMPACT TO CURRENT BIENNIAL BUDGET: \$262,557.12

ARE THE EXPENDITURES AND REVENUES PLANNED AND BUDGETED? Yes.

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