



RESOLUTION NO. U-11529

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 /s/
17 Chief Deputy City Attorney

Chair

Secretary

18 _____
19 Clerk

Adopted



Resolution No.: U-11529

Item No.: /

Meeting Date: May 14, 2025

TO: Board of Contracts and Awards
FROM: Alan Matheson, Superintendent, Tacoma Rail
Kari Halliday, Chief Mechanical Officer, Tacoma Rail
COPY: Public Utility Board, Director of Utilities, Board Clerk, EIC Coordinator, LEAP Coordinator, and Sara Bird, Senior Buyer, Finance/Purchasing
SUBJECT: Contract Award – Running Repair Agent for Freight Car Inspections, Repairs and Terminal Air Tests, Request for Proposal Specification No. TR25-0042F, Contract No. CW2274168 – May 14, 2025 Public Utility Board
DATE: April 25, 2025

RECOMMENDATION SUMMARY: Tacoma Rail recommends a contract be awarded to Harbor Rail Services Company, Pasadena, CA, in the amount of \$1,800,000, plus applicable taxes, budgeted from the 4500 TPU Rail Fund, for an initial contract term of three years with the option to renew for three additional one-year extensions, for a projected contract amount of \$1,800,000, plus applicable taxes, for federally mandated, daily services of freight car inspections, freight car repairs and terminal and initial intermodal air test procedures.

BACKGROUND: Upon arrival at the Port of Tacoma, all trains are subject to inspection for mechanical and safety defects. Should any defects be identified, Tacoma Rail is responsible for ensuring that the affected railcars are not returned to service until they are fully compliant with federal regulations. Furthermore, select outbound trains are subject to federally mandated outbound air brake tests prior to departure.

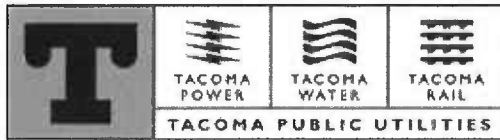
ISSUE: Tacoma Rail is required by federal law to perform freight car inspections on all rail cars and repair any defects. The repairs are regulated under the Federal Railroad Administration (FRA). In addition to these requirements, each railroad is responsible for performing terminal departure tests on all non-intermodal freight rail cars and initial intermodal terminal air tests.

ALTERNATIVES: This work is regulatory for Tacoma Rail in order to remain in compliance with federal law. If Tacoma Rail were to cease this work, it would result in trains being unable to lawfully leave the Port of Tacoma.

COMPETITIVE SOLICITATION: Request for Proposal Specification No. TR25-0042F was opened Tuesday, April 8, 2025. Four companies were invited to bid in addition to normal advertising of the project. Three submittals were received. Submittals were evaluated and scored by a Selection Advisory Committee (SAC) and below are the resulting scores of the submittals.

Harbor Rail Services Company submitted a bid that resulted in the lowest evaluated submittal. The table below reflects the score averages of the three vendors that submitted bids.

| <u>Respondent</u> | <u>Location</u> | <u>Score (Average)</u> |
|------------------------------|-----------------|------------------------|
| Harbor Rail Services Company | Pasadena, CA | 96 |
| Cathcart Field Services | Columbus, OH | 72.25 |
| Compass Rail Services, LLC | Plano, TX | 63.50 |



Pre-Bid Estimate: \$2,000,000.

The recommended award is 10 percent below the pre-bid estimate.

CONTRACT HISTORY: New contract.

SUSTAINABILITY: Sustainability factors were included in the overall scoring criteria.

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 |
|---------------------------|----------------------------|--------------|--------------------------|
| 4500 TPU Rail Fund | 592101 | 5330100 | \$1,800,000 |
| TOTAL | | | Up to \$1,800,000 |

REVENUES:

| FUNDING SOURCE | COST OBJECT (CC/WBS/ORDER) | COST ELEMENT | TOTAL AMOUNT |
|-----------------------|----------------------------|--------------|----------------------------|
| Tacoma Rail Line Haul | 591004 | 4343260 | (\$1,800,000) |
| TOTAL | | | Up to (\$1,800,000) |

FISCAL IMPACT TO CURRENT BIENNIAL BUDGET: \$600,000

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-11529

Item No.:

2

Meeting Date: MAY 14, 2025

TO: Board of Contracts and Awards
FROM: Heather Pennington, Superintendent, Tacoma Water
Stuart Vaughan, Division Manager, Tacoma Water
Troy Saghafi, 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: Water Main Replacement Project No. MRP 2022-0037
Request for Bids Specification No. TW25-0056F, Contract No. CW2273958 –
May 14, 2025 Public Utility Board
DATE: May 2, 2025

RECOMMENDATION SUMMARY: Tacoma Water recommends a contract be awarded to Pape & Sons Construction Inc, Gig Harbor, WA, in the amount of \$1,133,631.00 plus a 15 percent contingency, for a projected contract total of \$1,303,675.65 plus applicable taxes, budgeted from the Tacoma Water Fund for the replacement of acquired polyvinyl chloride (PVC) and asbestos concrete pipe (ACP) water mains. Project expenditures will be reimbursed over time through Curran Road customer surcharges.

STRATEGIC POLICY PRIORITY:

- Assure outstanding stewardship of the natural and built environment.

BACKGROUND: This contract provides for the replacement of PVC and ACP water mains acquired in 2017 from the Curran Road Mutual Water Association in Pierce County. The project will replace approximately 4,200 linear feet of existing water main with 8-inch Ductile Iron pipes along Bingham Ave. E. and 47th Ave. E., between 128th St. E. and 120th St. E.

In 2017, Tacoma Water acquired the Curran Road water system in accordance with the "Water System Acquisition Agreement" authorized by the Public Utility Board and City Council. The Agreement calls for a number of system improvements over a period of 10 years. This proposed water main work was identified for replacement as part of the system improvements to be completed. Water system improvements will ultimately be paid for through a surcharge on those customers receiving service within the former Curran Road service area. The customer surcharge is anticipated to have an approximate duration of 30 years.

Tacoma Water will replace the service and water meters for each existing service impacted by main replacement.

ISSUE: The proposed water main replacement work was identified as part of the Curran Road acquisition process.

ALTERNATIVES: Tacoma Water considered rehabilitating the water main, however, this option was cost-prohibitive and does not provide a long-term solution.



COMPETITIVE SOLICITATION: Request for Bids Specification No. TW23-0193F was opened December 10, 2024 and Pape & Sons Construction Inc was the apparent low bidder. During the bid review process, it was determined that Pape & Sons Construction Inc did not meet Equity in Contracting (EIC) requirements and deemed non-responsible. Pape & Sons Construction Inc submitted a protest claiming that the specification contained unclear EIC instructions. Upon review, the Contracts and Awards Board upheld Pape & Sons Construction Inc's protest. Subsequently, all bids were rejected.

The re-bid, Request for Bids Specification No. TW25-0056F was opened April 15, 2025. There were 692 companies invited to bid in addition to normal advertising of the project. Three submittals were received.

Pape & Sons 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> |
|---|-----------------------|-------------------------|
| Pape & Sons Construction Inc | Gig Harbor, WA | \$1,133,631.00 |
| Northwest Cascade Inc | Puyallup, WA | \$1,248,916.00 |
| Reed Trucking & Excavating Inc | Puyallup, WA | \$1,350,797.00 |

Pre-bid Estimate: \$1,170,279.00

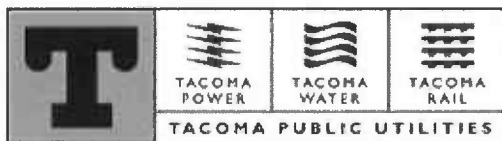
The recommended award is 3.2 percent below the pre-bid estimate.

CONTRACT HISTORY: New contract.

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

EQUITY IN CONTRACTING (EIC) COMPLIANCE: The recommended contractor is in compliance with the required provisions of Tacoma Municipal Code Chapter 1.07. The EIC requirements for this project are Minority Business Enterprise (MBE) 20 percent, Women Business Enterprise (WBE) 16 percent and Small Business Enterprise (SBE) 20 percent. The EIC utilization levels of the recommended contractor, Pape & Sons Construction Inc, are MBE 20 percent, WBE 20 percent, and SBE 20 percent.

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 Tacoma Water Fund | WTR-00560 (various) | 5330100 | \$1,303,675.65 |
| TOTAL | | | Up to \$1,303,675.65 |

REVENUES:

| FUNDING SOURCE | COST OBJECT (CC/WBS/ORDER) | COST ELEMENT | TOTAL AMOUNT |
|--|-------------------------------|-----------------|-------------------------------|
| 4600 Tacoma Water Fund Anticipated Bond | TBD | 6398520 | (\$1,303,675.65) |
| TOTAL | | | Up to (\$1,303,675.65) |

FISCAL IMPACT TO CURRENT BIENNIAL BUDGET: \$1,303,675.65, 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



Resolution No.: U-11529
Item No.: 3
Meeting Date: May 14, 2025

TO: Board of Contracts and Awards
FROM: Chris Robinson, Utilities Deputy Director/Power Superintendent
Chris Mattson, Section Manager, Power Generation
Matt Bleich, Assistant Section Manager, Power Generation Natural Resources
Eric Shoblom, Manager, Natural Resources, Power Generation Cowlitz Fish Facilities
COPY: Public Utility Board, Director of Utilities, Board Clerk, EIC Coordinator, LEAP Coordinator, and Ryan Foster, Senior Buyer, Finance/Purchasing
SUBJECT: Contract Increase – Washington State Dept of Fish and Wildlife Professional Services, Interagency Agreement C2323, Contract No. CW2250702 – May 14th, 2025 Public Utility Board
DATE: April 10, 2025

RECOMMENDATION SUMMARY: Tacoma Power (Generation, Natural Resources) requests approval to increase Contract No. CW2250702/Interagency Agreement C2323, with Washington State Department of Fish and Wildlife (WDFW), by \$24,140,000, budgeted from the Power Fund 4700, for various fisheries services to support Tacoma Power's hydroelectric project federal licensing requirements. This increase will bring the contract to a projected contract total of \$46,490,000, plus applicable taxes. After extensive negotiations to create this strong interagency agreement three years ago, no additional changes to the scope or terms are proposed. We are therefore seeking approval for a three-year extension to continue the services provided under the existing framework.

This contract supports services required to maintain compliance with our federal hydroelectric project licenses. The majority of the annual increases under this contract account for labor rate adjustments for WDFW personnel and inflationary costs associated with operational supplies. Approval of this funding and contract extension will ensure continued compliance with Federal Energy Regulatory Commission (FERC) license obligations. These services include operating and evaluating hatcheries, monitoring the salmonid recovery plan in the Cowlitz River, and implementing mitigation activities at the Cushman and Nisqually hydroelectric projects as detailed below:

- Cowlitz Salmon and Trout Hatchery operations
- Cowlitz Fish Health management and water quality monitoring
- Cowlitz Falls Fish Facility and Cowlitz River monitoring and evaluation activities
- Cowlitz area lakes rainbow trout stocking
- Alder Lake kokanee stocking
- Cushman hatchery spring chinook eggs acquisition
- Cushman area rainbow trout stocking
- George Adams hatchery supplementation

STRATEGIC POLICY PRIORITY:

- Assure outstanding stewardship of the natural and built environment.
- Encourage and promote an efficient and effective government, which is fiscally sustainable and guided by engaged residents.

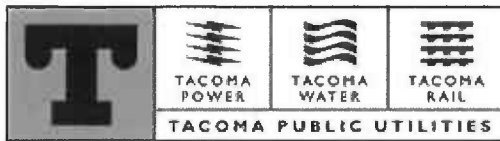


BACKGROUND: Tacoma Power contracts with WDFW to conduct various fisheries mitigation activities required under Tacoma's FERC license articles for hydro project operation. Beginning in 1968 the City of Tacoma contracted WDFW to operate the Cowlitz Fish Hatcheries. Since then, and as our FERC license obligations have evolved, the City has continued to contract with WDFW to assist in meeting our regulatory requirements related to fish and wildlife programs. The current agreement with WDFW will expire on June 30, 2025. Tacoma Power and WDFW have reached a mutual agreement to extend the existing terms and conditions, and Tacoma Power is now seeking approval for a 36-month extension. This master agreement utilizes an annual task order format with a separate task order budget and schedule of deliverables for specific activities. This system, implemented over eight years ago under the current and previous agreements, has allowed Tacoma Power to successfully and efficiently negotiate annual task orders and costs with WDFW. This has resulted in greater accountability and transparency between Tacoma Power and WDFW, which has allowed the program to adjust to the changing conditions associated with fisheries programs and budgets. Tacoma Power's fisheries programs go through extensive annual reviews with regulatory committees and stakeholders that frequently result in mandated changes to the programs. The task order system under this master agreement has been instrumental in providing the flexibility to respond to those changes while also supporting timely and efficient invoicing and budget development. For the upcoming WDFW fiscal year, July 2025 through June 2026, the annual task orders are estimated to total \$7,675,000.

ISSUE: Approval of this funding is necessary to fulfill Tacoma Power's FERC license requirements. These obligations include the operation and evaluation of the hatcheries, monitoring the salmonid recovery plan in the Cowlitz River, and implementation of various mitigation activities at the Cushman and Nisqually hydroelectric projects. The proposed funding ensures continued compliance with federal mandates and supports the long-term sustainability of fish populations affected by hydroelectric operations.

ALTERNATIVES: A majority of the work covered by this agreement supports the operation of the Cowlitz Trout and Salmon Hatcheries, which collectively produce approximately eight million juvenile salmon and steelhead each year. WDFW has operated these facilities on behalf of Tacoma Power since their inception 53 years ago. As a result, Tacoma Power has developed an integrated staffing approach with WDFW to meet our Cowlitz fish production obligation. At this time, it is not recommended to adjust this relationship, as changing the hatchery operator would initially increase risk to fish health and could jeopardize Tacoma Power's ability to meet FERC license requirements. Further, this long-standing relationship increases transparency of Tacoma Power's actions to the regulatory side of WDFW, thus creating a stronger partnership and more efficient decision-making processes in the extremely popular and vast Cowlitz River Basin.

COMPETITIVE ANALYSIS: As stated in the ALTERNATIVES, this is a long-standing relationship that has many benefits to the city of Tacoma. WDFW provides continuity in operating our large hatchery facilities and a wide support network for Tacoma's fisheries stocking, monitoring and evaluation obligations. Historically and recently, WDFW has been the lowest bidder for similar contracts as they offer an economy of scale and well-established infrastructure.



CONTRACT HISTORY: Tacoma Power's relationship and associated contract with the Washington Department of Fish and Wildlife (WDFW) originated from the FERC Cowlitz Hydroelectric Project license negotiations in 1968. Recent contract history is outlined below:

- March 13, 2013 – The Public Utility Board (The Board) authorized Resolution U-10610, approving a one-year contract with WDFW in the amount of \$4.44 million to operate the Cowlitz Hatchery Complex and perform biological monitoring and evaluation activities.
- February 12, 2014 – The Board authorized Resolution U-10674, approving another one-year contract with WDFW totaling \$5.18 million for the same scope of work.
- March 11, 2015 – The Board authorized Resolution U-10758, establishing a two-year master contract with WDFW totaling \$12 million. This agreement introduced a task order system, which allowed for more flexible and efficient project planning.
- January 26, 2017 – The Board authorized Resolution U-10902, approving a four-and-a-half-year master contract extension through 2020 in the amount of \$33.5 million.
- December 9, 2020 – The Board authorized Resolution U-11226, approving an 18-month master interagency agreement with WDFW totaling \$9.9 million.
- April 27, 2022 – The Board authorized Resolution U-11317, entering into a three-year contract in the amount of \$22.35 million.

SUSTAINABILITY: This contract provides services that support the sustainability of fish populations at the Nisqually, Cushman and Cowlitz hydro projects.

EQUITY IN CONTRACTING (EIC) COMPLIANCE: This interagency agreement is exempt from EIC requirements.

LOCAL EMPLOYMENT AND APPRENTICESHIP TRAINING PROGRAM (LEAP) COMPLIANCE: This interagency agreement is exempt from LEAP requirements.

FISCAL IMPACT:

EXPENDITURES:

| FUND NUMBER & FUND NAME * | COST OBJECT (CC/WBS/ORDER) | COST ELEMENT | TOTAL AMOUNT |
|---------------------------|----------------------------|--------------|---------------------------|
| 4700 - Power Fund | Various | 5310100 | \$24,140,000 |
| TOTAL | | | Up to \$24,140,000 |

REVENUES:

| FUNDING SOURCE | COST OBJECT (CC/WBS/ORDER) | COST ELEMENT | TOTAL AMOUNT |
|-------------------|----------------------------|--------------|-----------------------------|
| 4700 - Power Fund | Various | 5310100 | (\$24,140,000) |
| TOTAL | | | Up to (\$24,140,000) |



FISCAL IMPACT TO CURRENT BIENNIAL BUDGET: \$3,837,500. The fiscal impact listed reflects estimated expenditures for the first year of the contract term.

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-11529

Item No.: 4

Meeting Date: MAY 14, 2025

TO: Board of Contracts and Awards
FROM: Chris Robinson, Utilities Deputy Director/Superintendent, Power
Kalyan Kakani, Section Manager, Power Utility Technology Services (UTS)
Sally Mohr, Technology Division Manager, Power UTS Solution Delivery & Transformation
Corey Bedient, Technology Manager, Power UTS Business Transformation Change & Deployment
COPY: Public Utility Board, Director of Utilities, Board Clerk, EIC Coordinator, LEAP Coordinator, and Aaron Bratton Sr. Buyer, Finance/Purchasing
SUBJECT: Direct Negotiation Waiver – Aveva PI Historian Software Purchase, Contract No. CW2273131 – May 14, 2025 Public Utility Board
DATE: April 23, 2025

RECOMMENDATION SUMMARY: Power Utility Technology Services (UTS) requests a waiver of competitive procurement procedures and recommends that a contract be awarded to Aveva Software LLC (Aveva), Lake Forest, CA, for Flex Credits Designated Cloud Software as a Service in support of the Energy Management System (EMS) Refresh within the Advanced Distribution Management System (ADMS) program to provide a centralized platform for operators to interface with distribution system equipment and manage the operations of an evolving distribution system, for a projected contract total of \$715,500, plus applicable taxes, for three years budgeted from the Power 4700 fund.

BACKGROUND: Tacoma Power is looking to migrate away from the current Chronus Historian system (a time-series database used to store and analyze energy system data) they are using for the EMS data to the more established and widely-used Plant Information (PI) Historian product. Upgrading to a more current version is generally recommended for optimal performance and security. Negotiating directly with Aveva will provide us with the 2024 version of the software.

ISSUE:

- The existing Chronus Historian has had persistent issues that negatively impact operations and planning efforts for the utility.
- The PI Historian is the industry standard historian solution, proven over 30+ years in the utility industry.
- As the predominant Historian employed across the utility sector, the PI Historian is viewed as a more mature and stable product compared to Chronus.
- Making this transition to the PI Historian is expected to resolve the ongoing challenges with the current Historian and provide a more reliable, robust platform for housing and utilizing EMS data.
- The new Historian will serve as a repository for both transmission data from EMS and distribution data from ADMS.

ALTERNATIVES: While TPU could use the General Services Administration (GSA) contract to purchase the Aveva PI Historian software at pre-negotiated discounted rates, the version available through GSA is the 2018 version of the software, not the newest version available.



While older software can sometimes be reliable, the risks of security vulnerabilities, incompatibility, performance issues, and lack of support often outweigh the benefits of installing 6-year-old software. Upgrading to a more current version is generally recommended for optimal performance and security.

Also, the GSA contract only allows for perpetual licensing. Working directly with Aveva allows for term licensing. Advantages of term licensing:

- Lower upfront cost: Term licenses require smaller, recurring payments rather than a large one-time purchase.
- Flexibility: Term licenses allow easier scalability as needs change, without being locked into a perpetual license.
- Predictable budgeting: The recurring payments provide more consistent and predictable software costs.
- Access to updates: Term licenses often bundle in software updates and support for the duration of the contract.

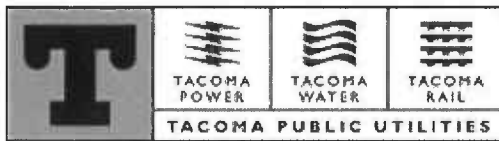
TPU notes that The Chronus Historian is a relatively new and immature product compared to the legacy PI Historian. TPU has worked extensively with Open Systems International (OSI) to address the shortcomings of the Chronus Historian, establishing workarounds and applying numerous fixes. However, the product still falls short of meeting the organization's operational requirements. In addition to us spending the last 6 years with OSI to resolve critical defects, the Chronus historian has never been performant enough to manage more than the mission critical workloads. We are frequently taking small extracts and then combining them in Excel for example. Power Management takes small extracts and has to use an ancillary database for their analysis.

Transitioning to a more mature and stable Historian solution that fully addresses the organization's needs would be in the best interest of TPU. Reduced risk: Shorter term lengths mean less exposure to technological changes over the life of the software.

COMPETITIVE ANALYSIS: Negotiating directly with Aveva will provide us with the 2024 version of the software which is not available anywhere else at this time. The three-year cost using the GSA contract is 7.3 percent less but for an older version. This includes annual maintenance as well as software updates. The three-year cost of purchasing the new version from Aveva directly is \$715,500. There is a supplier discount with 2024 pricing (ex. Does not include 6% markup for 2025). This includes all software and maintenance.

TPU has explored the possibility of procuring the PI Historian through a GSA contract with a third-party reseller such as Carahsoft. However, the version of the software available on the GSA contract is a perpetual license rather than a term license, and it only supports a 2018 version of the product.

Procurement's stance on GSA pricing is that it is competitively bid and is the best price. TPU has obtained both GSA pricing and pricing direct from the vendor. When evaluating the vendor quote, the total cost of ownership in the first 5-7 years is estimated to be within 10% of the GSA pricing.



Legal strongly advises working directly with the supplier for the best discounts without middleman mark-ups and strong risk protections.

CONTRACT HISTORY: New contract.

SUSTAINABILITY: Not applicable to this contract.

EQUITY IN CONTRACTING (EIC) COMPLIANCE: Not applicable - EIC Exception: Direct Negotiation Waiver.

LOCAL EMPLOYMENT AND APPRENTICESHIP TRAINING PROGRAM (LEAP) COMPLIANCE: LEAP goals are not applicable to this contract based on its scope and funding source.

FISCAL IMPACT:

EXPENDITURES:

| FUND NUMBER & FUND NAME * | COST OBJECT (CC/WBS/ORDER) | COST ELEMENT | TOTAL AMOUNT |
|---------------------------|----------------------------|--------------|------------------------|
| 4700 – Power | 10000170368 | 5412170 | \$715,500 |
| | | | |
| | | | |
| TOTAL | | | Up to \$715,500 |

REVENUES:

| FUNDING SOURCE | COST OBJECT (CC/WBS/ORDER) | COST ELEMENT | TOTAL AMOUNT |
|----------------|----------------------------|--------------|--------------------------|
| 4700 – Power | 10000170368 | 5412170 | (\$715,500) |
| | | | |
| | | | |
| TOTAL | | | Up to (\$715,500) |

FISCAL IMPACT TO CURRENT BIENNIAL BUDGET: \$715,500 - The fiscal impact listed reflects expenditures for the full three-year contract term, which are planned and budgeted in the current biennium.

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-11529

Item No.: 5

Meeting Date: MAY 14, 2025

TO: Board of Contracts and Awards
FROM: Chris Robinson, Utilities Deputy Director/Supt. Power
Kalyan Kakani, Section Manager, Utility Technology Services (UTS)
Sally Mohr, Technology Division Manager, UTS Solution Delivery & Transformation
Corey Bedient, Technology Manager, UTS Business Transformation & Change Deployment
COPY: Public Utility Board, Director of Utilities, Board Clerk, EIC Coordinator, LEAP Coordinator, and Aaron Bratton, Sr. Buyer Finance/Purchasing
SUBJECT: Advanced Distribution Management System (ADMS) Implementation
RFP Specification No. PT23-0091F, Contract No. CW2265368 – May 14, 2025, Public Utility Board
DATE: April 2, 2025

RECOMMENDATION SUMMARY: Power Utility Technology Services (UTS) recommends a contract be awarded to Open Systems International, Inc. (OSI), an Aspen Technology, Inc. business, in the amount of \$1,790,470, plus applicable taxes, for implementation of the ADMS program to provide a centralized platform for operators to interface with distribution system equipment and manage the operations of an evolving distribution system. The ADMS project is viewed as a critical component of TPU's smart grid.

BACKGROUND: TPU's utility modernization strategic plan outlines a vision for effectively leveraging technology to ensure the utilities optimize operations, maintain, and improve reliability and resiliency, enhance the customer and employee experience, and continue our focus on prioritizing safety. TPU's overarching goal is to successfully implement a smart grid that brings the greatest benefit to customers.

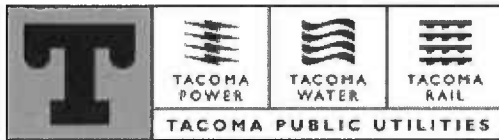
ISSUE: The scope of this engagement corresponds to a Tacoma Power program that is replacing the Outage Management System (OMS) with an Advanced Distribution Management System (ADMS). The current version of our OMS is at "end of life", and we need to upgrade the system as soon as possible. This program was previously presented and discussed during the September 2023 PUB Study Session.

This letter presents the implementation portion of the Statement of Work under a Master Business and Services Agreement. During negotiations with the vendor, we separated the licensing fees from the implementation service fees required to implement the system. The licensing was presented to the board on December 11, 2024.

ALTERNATIVES: Before committing to OSI and a full ADMS implementation, the team considered these alternatives:

- OMS Upgrade and No ADMS Future
- OMS only part of ADMS
- Full ADMS

After analysis of these options, the program team and the governing bodies agreed that implementing a full ADMS is the best solution for Tacoma Power and their customers.



After selecting the ADMS software vendor, Tacoma Power spent a number of months negotiating on licensing type, composition of staff, start dates and other factors. Separating the licensing from the services contract allowed TPU to receive time-based discounts on the licensing while we finalized the details related to installing the software on our servers as part of the services agreement. Separating these statements of work minimizes program risks associated with higher licensing costs and possible impacts to schedule.

COMPETITIVE SOLICITATION: Request for Proposal Specification No. PT23-0091F was opened July 31, 2023. Ten (10) companies were invited to bid in addition to normal advertising of the project. Three (3) submittals were received as bids on the ADMS System vendor.

The vendor selection committee included members from the System Operations team (primary users of the system), and Project Management, Change Management and Application Support members from Utility Technology Services (UTS) who will implement and support the system.

Aspen Tech (formerly known as OSI) was selected based on the strength of their products and their ability to meet Tacoma Power's functional and non-functional requirements.

Aspen Tech solutions are also widely used in the energy sector and numerous regional utilities are using Aspen Tech's platform for their distribution system.

Tacoma Power is already using Aspen Tech's Energy Management Systems (EMS). By using the same vendor for our ADMS, Tacoma Power expects to gain optimal pricing, by simplifying support and vendor management costs.

Aspen Tech submitted a bid that resulted in the most favorable submittal. The table below reflects the cumulative scores by the vendor Selection Advisory Committee (a higher score means more favorable).

Requests for Proposals (RFP)

| Vendor | Minimum Reqs | Functional Reqs | Demos | Price | Total Score |
|-----------|--------------|-----------------|-------|-------|-------------|
| OSI | PASS | 48.43 | 18.40 | 8.00 | 74.83 |
| Infosys | PASS | 46.26 | 18.36 | 6.40 | 71.02 |
| Survalent | PASS | 43.00 | N/A | N/A | 43.00 |

Pre-Bid Estimate: Not disclosed within the RFP

CONTRACT HISTORY: New contract.

SUSTAINABILITY: Each vendor was required to provide their sustainability practices within their RFP response.

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 |
|---------------------------|----------------------------|--------------|--------------------------|
| Tacoma Power 4700 | WO 10000170369 | 5310100 - PS | \$1,790,470 |
| | | | |
| TOTAL | | | Up to \$1,790,470 |

REVENUES:

| FUNDING SOURCE | COST OBJECT (CC/WBS/ORDER) | COST ELEMENT | TOTAL AMOUNT |
|-------------------|----------------------------|--------------|----------------------------|
| Tacoma Power 4700 | WO 10000170369 | 5310100 - PS | (\$1,790,470) |
| | | | |
| TOTAL | | | Up to (\$1,790,470) |

FISCAL IMPACT TO CURRENT BIENNIAL BUDGET: \$904,729

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-11529
Item No.: 6
Meeting Date: MAY 14, 2025

TO: Board of Contracts and Awards
FROM: Chris Robinson, Utilities Deputy Director/Supt. Power
Kalyan Kakani, Section Manager, Power Utility Technology Services
Sally Mohr, Division Manager, IT, Power UTS Solution Delivery & Transformation
Corey Bedient, Technology Manager, UTS Business Transformation & Change Deployment
COPY: Public Utility Board, Director of Utilities, Board Clerk, EIC Coordinator, LEAP Coordinator, and Aaron Bratton, Senior Buyer, Finance/Purchasing
SUBJECT: Operations Reporting, Control and Analysis System (ORCAS)
RFP Specification No. PI23-0275F, Contract No. Services Contract CW2272143 and License Agreement CW2269445 – May 14, 2025 Public Utility Board
DATE: April 2, 2025

RECOMMENDATION SUMMARY: Power Utility Technology Services (UTS) recommends a contract be awarded to Sun-Net Inc., San Jose, CA, in the amount of \$691,600 for Services and \$396,000 for Licensing plus a \$300,000 contingency for a total amount of \$1,387,600, plus applicable taxes, budgeted from the Power 4700, for an initial contract term of three (3) years with the option to renew for one (1) year increments for Advanced Distribution Management System (ADMS) Operations Reporting, Control and Analysis System (ORCAS).

BACKGROUND: Tacoma Power logging and switching management software and capabilities are insufficient and in need of replacement. The purpose of this contract is to provide software and consulting services to upgrade Tacoma Power's logging, switching and outage management workflow capabilities to modern standards.

ISSUE: Tacoma Power's logging and switching management software and capabilities are antiquated and needs to be modernized with state-of-the-art reporting and analysis and other advanced capabilities.

ALTERNATIVES: Our current logging and switching management resides in our existing Outage Management System (OMS) that is scheduled to be taken out of service when the Open Systems International (OSI) ADMS system goes live. There is a logging and switching tool provided with the OSI ADMS system, however it does not provide logging and comprehensive switch-order management for our Reliability (non-Distribution) positions.

The Sun-Net Integrated Tools for Operations Application (iTOA) solution is the best fit for Tacoma Power's needs moving forward. In relation to the ADMS (including OMS) project, it enables logging, switching, and clearance tracking from various environments into one centralized location. This functionality is crucial as we integrate new operating environments, business processes, and tools with our existing operational requirements.

COMPETITIVE SOLICITATION: Request for Proposal Specification No. PI23-0275F was opened May 7, 2024. Two Hundred and Ninety-Seven (297) companies were invited to bid in addition to normal advertising of the project. Only Sun-Net responded to the RFP.



The vendor selection committee included members from the System Operations team (primary users of the system).

Although they were the only bidder, Sun-Net iTOA is the optimal solution for Tacoma Power, bridging critical gaps in logging, switching, and clearance tracking while enhancing collaboration, security, and regulatory compliance. By leveraging iTOA alongside OSI's ADMS, Tacoma Power can ensure a cohesive, efficient, and safe operational environment tailored to its unique structure and requirements

| <u>Respondent (RFP)</u> | <u>Location</u> | <u>Score</u> |
|-------------------------|---------------------|------------------|
| Sun-Net Inc. | San Jose, CA | 87 points |
| [Recommended] | | |

| <u>Respondent (RFB)</u> | <u>Location</u> | <u>Submittal Amount (not including travel)</u> |
|-------------------------|---------------------|--|
| Sun-Net Inc. | San Jose, CA | \$1,132,800 |
| [Recommended] | | |

Pre-bid Estimate: No pre-bid estimate was included in the request for proposal.

CONTRACT HISTORY: New contract.

SUSTAINABILITY: Sun-Net Inc. provided their sustainability practices, which included Greenhouse gas emission reduction, Water reduction, Pollution reduction targets.

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 |
|---------------------------|-------------------------------|-----------------|--------------------------|
| Tacoma Power 4700 | WO 10000168061 | 5310100 - PS | \$1,387,600 |
| | | | |
| | | | |
| TOTAL | | | Up to \$1,387,600 |

REVENUES:

| FUNDING SOURCE | COST OBJECT (CC/WBS/ORDER) | COST ELEMENT | TOTAL AMOUNT |
|-------------------|-------------------------------|-----------------|----------------------------|
| Tacoma Power 4700 | WO 10000168061 | 5310100-PS | (\$1,387,600) |
| | | | |
| | | | |
| TOTAL | | | Up to (\$1,387,600) |

FISCAL IMPACT TO CURRENT BIENNIAL BUDGET: \$675,800

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-11529
Item No.: 7
Meeting Date: MAY 14, 2025

TO: Board of Contracts and Awards
FROM: Chris Robinson, Utilities Deputy Director/Supt. Power
Kalyan Kakani, Section Manager, Power Utility Technology Services
Sally Mohr, Division Manager, IT, Power UTS Solution Delv & Transformation
Corey Bedient, Technology Manager, UTS Business Transformation & Change Deployment
COPY: Public Utility Board, Director of Utilities, Board Clerk, EIC Coordinator, LEAP Coordinator, and Aaron Bratton, Senior Buyer, Finance/Purchasing
SUBJECT: Advanced Distribution Management System (ADMS) Organizational Change Management (OCM) Contract Award Recommendation
RFP Specification No. PI23-0149F, Contract No. Master Agreement CW2267005 and SOW CW2267625 – May 14, 2025 Public Utility Board
DATE: April 9, 2025

RECOMMENDATION SUMMARY: Power Utility Technology Services (UTS) recommends a contract be awarded to Media Mosaic, Inc. in the amount of \$3,076,480, plus up to \$500,000 contingency, and any applicable taxes, budgeted from the Power 4700 for an initial contract term of three years with the option to renew for additional one year increments for a projected contract amount of \$3,576,480 plus applicable taxes, for Organizational Change Management (OCM) support to system operations, training through Phase 0 and Phase 1 of the ADMS project.

BACKGROUND: The Advanced Distribution Management System (ADMS) is a complex project related to the safe and reliable operation of the electric grid. Success depends on a knowledgeable and professional Organizational Change Management team that is experienced in all the components of the ADMS implementation, and training for the end user audience.

ISSUE: The scope of this engagement corresponds to a Tacoma Power program that is replacing the Outage Management System (OMS) with an Advanced Distribution Management System (ADMS). The Organizational Change Management (OCM) vendor will be an essential factor in the success of this implementation in Tacoma Power. This vendor will provide OCM services, including (but not limited to):

- OCM Project Management, Administration and Coordination
- Communication Plan and related Communication Deliverables
- Training Course Development and Training Management and Delivery
- Business Process Mapping (As-Is and To-Be) Down to Level 4/Desk Procedures
- Building UAT Test Scripts

ALTERNATIVES: Implementing an ADMS will impact a number of tasks inside, and adjacent to, our Systems Operations in the Energy Control Center (ECC). This new system will modify work tasks and processes in a very time-sensitive, crucial part of Tacoma Power. Tacoma could attempt to implement the new system and then use internal resources to map the new processes. Tacoma Power could also use internal resources for Communications and Training material. This is a new system within Tacoma Power and this system is an integral part of keeping power flowing to our customers. Currently, Tacoma Power does not have the expertise with the system to appropriately train users, design new workflows and provide appropriate



communication. Using internal resources for the OCM activities would likely cause delays in schedules, inadequate communication and training, and difficulty in getting end-users to successfully move to the new tool.

COMPETITIVE SOLICITATION: Request for Proposal Specification No. PI23-0149F was opened March 13, 2024. Four companies were invited to bid in addition to normal advertising of the project. Seven submittals were received.

The vendor selection committee included members from the System Operations team (primary users of the system), as well as Project Management, Change Management and Application Support members from Power Utility Technology Services (UTS) who will implement and support the system.

Mosaic was chosen because they had a very strong proposal and have uniquely qualified members on their staff that complement the needs that Tacoma Power has. Their consultants have worked in the industry and many of them have contributed to ADMS implementations at other utilities, including some in King County. Our vendor selection team called the referrals provided by Mosaic and were genuinely impressed and excited by the responses they got. For this engagement, the team was more concerned about fit, expertise, and quality of service than they were about getting the lowest price because this is a very specialized area and Tacoma Power understands they will need to rely heavily on the experience of this vendor. The hourly rates of the individual consultants were not notably larger than rates provided by other vendors. Much of the difference in price per response was based on how the vendor envisioned their staff would be used and engaged and how many hours they expected to provide over the life of the implementation.

Mosaic submitted a bid that resulted in the most favorable submittal. The tables below reflect the amount of the base award.

| <u>Respondent</u> | <u>Location</u> | <u>Score</u> |
|----------------------------------|-------------------|--------------|
| Media Mosaic, Inc. | Renton, WA | 64.85 |
| Percipio Consulting Group, Inc. | Portland, OR | 56.40 |
| E Source Companies LLC | Boulder, CO | 51.96 |
| Onit Management Consulting | Seattle, WA | 49.27 |
| GridBright, a Qualus Company | Lake Mary, FL | 43.61 |
| Infosys Limited | Raleigh, NC | 22.95 |
| Ninety One Management Group, LLC | Frederick, MD | 12.82 |

Pre-bid Estimate: No pre-bid estimate was provided in the RFP.

CONTRACT HISTORY: New contract.



SUSTAINABILITY: Media Mosaic, Inc. provided sustainability practices that include the use of remote project management tools to minimize travel emissions, and development of digital training materials to reduce paper use.

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 |
|-------------------------|----------------------------|--------------|--------------------------|
| Tacoma Power 4700 | WO 10000157136 | 5310100 - PS | \$3,576,480 |
| TOTAL | | | Up to \$3,576,480 |

REVENUES:

| FUNDING SOURCE | COST OBJECT (CC/WBS/ORDER) | COST ELEMENT | TOTAL AMOUNT |
|-------------------|----------------------------|--------------|----------------------------|
| Tacoma Power 4700 | WO 10000157136 | 5310100 - PS | (\$3,576,480) |
| TOTAL | | | Up to (\$3,576,480) |

FISCAL IMPACT TO CURRENT BIENNIAL BUDGET: \$2,498,000.

ARE THE EXPENDITURES AND REVENUES PLANNED AND BUDGETED? Yes

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