



RESOLUTION NO. U-11459

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:

/s/
Chief Deputy City Attorney

Chair

Secretary

Clerk

Adopted _____



Resolution No.: U-11459

Item No.: /

Meeting Date: MAY 22, 2024

TO: Board of Contracts and Awards
FROM: Chris Robinson, Power Superintendent/COO, Power
Chris Mattson, Section Manager, Generation, Power
Matt Bleich, Assistant Section Manager, Generation, Power
Maryanne Zukowski, PE Senior Engineering Project Manager, Generation, Power
COPY: Public Utility Board, Director of Utilities, Board Clerk, EIC Coordinator, LEAP Coordinator, and Ryan Foster, Finance/Purchasing
SUBJECT: Cowlitz Trout Hatchery Remodel
Requests for Qualifications/Proposal Specification No. PG23-0211F, Contract No. CW2262296 – May 22, 2024, Public Utility Board
DATE: April 9, 2024

RECOMMENDATION SUMMARY: Tacoma Power recommends a contract be awarded to McMillen, Inc., Boise, Idaho, in the amount of \$6,200,000, that includes applicable taxes, budgeted from the Power Fund – 4700, for an initial contract term of four years with the option to renew for two two-year extensions, for a projected contract amount of \$15,000,000, plus applicable taxes, for Architectural/Engineering (A/E) consultant services for the eight (8) year program of projects for the Cowlitz Trout Hatchery Remodel.

BACKGROUND:

Tacoma Power's Cowlitz Hydroelectric Project is located on the Cowlitz River in Lewis County, Washington. The Cowlitz Hydroelectric Project consists of two dams, Mayfield Dam at river mile (RM) 52 and Mossyrock Dam, upstream at RM 65. In addition to generating electricity and providing flood control, Tacoma Power operates three major parks, manages approximately 14,000 acres of wildlife lands, owns and funds operation of the Cowlitz Salmon Hatchery (RM 50) and the Cowlitz Trout Hatchery (RM 42), and operates a large fish passage program around the dams on the Cowlitz River.

The original license for the Cowlitz Hydroelectric Project included the requirement for two large hatcheries to be constructed and operated by the City of Tacoma on the lower Cowlitz River. The Cowlitz Salmon Hatchery began operation in 1967, and six miles downstream the Cowlitz Trout Hatchery began operation in 1968.

The license was renewed for a period of 35 years on July 18, 2003, by the Federal Energy Regulatory Commission (FERC). Under this license, Tacoma Power is obligated to implement FERC license orders in an adaptive manner to protect, mitigate, and enhance the natural resources of the Cowlitz River system. This current license outlines the requirement of annual production of 650,000 pounds of fish in the hatcheries with a capacity for 800,000 pounds annually. The Cowlitz Trout Hatchery contributes to 37 percent of this production and is a key component of our Cowlitz fisheries program.

Other than the addition of an ozone water treatment facility and various mechanical and electrical equipment replacements; the Cowlitz Trout Hatchery has not undergone any major upgrade since its construction in 1967. The Cowlitz Trout Hatchery Remodel Program will allow Tacoma Power to review currently needed operational and physical changes and make necessary improvements at this facility.



ISSUE: The Trout Hatchery was built in 1967. Today it has an aging infrastructure past its useful life and outdated rearing technology that increase the risk of fish mortality and could impact our ability to meet the production goals required by our federal license.

Business Need: The 2006 Hatchery Complex Remodel and Phase-In Plan (HCRPP), required by the FERC license, described detailed remodel requirements for the Cowlitz Salmon Hatchery which were completed in 2010. The remodel of the Cowlitz Trout Hatchery was described in the HCRPP, and there still exists a need to complete the remodel, in order to meet the license requirements to maintain the level of fish production that the Cowlitz Trout Hatchery provides. As a result, there is a strong business case to repair and alter the facility to meet the required fisheries program goals. The antiquated facility is beyond its useful life and is not designed to support FERC required recovery goals.

The Cowlitz Trout Hatchery Remodel Program is split into multiple phases. The subject contract (supporting Program Phase 1 – planning) will include a ground water study, bio-programing, hatchery flow studies, and various hatchery components and early rearing alternative analysis. Through a deliberate decision-making process, the output of this phase will include decisions in water supply selection, hatchery components and early rearing alternative selections. Outputs under this contract includes 10 percent design, an interim operations plan, bio-program, Opinion of Probability of Construction Costs (OPCC), and a plan that will allow continued operation of the hatchery during phased construction. The goal of Phase 1 is to identify the most advantageous and cost-effective solution prior to initiation of Phase 2 (design and permitting).

ALTERNATIVES:

The following alternatives were considered:

Alternative 1 – Complete Phase 1 with internal staff:

Given the resource need for this phase and other on-going operational and programmatic work, Generation work groups do not have enough supporting staff, expertise, and resourcing to support the work in-house. Given the temporary nature the specific resource needs, increasing staffing to support this effort is not optimal.

Alternative 2 – Establish multiple consultant contracts to accomplish the work under Phase 1:

Since the hatchery components are integrated systems, breaking apart smaller-scale contracts could result in significant program risks due to coordination challenges and managing deliverable quality. This would also add risks on the ability to deliver Phase 1 in a timely manner within fiscal constraints.

Alternative 3 – Skip Phase 1:

This planning phase is an important step towards identifying the scope of subsequent phases of this program. This phase is critical to enable the organization to make prudent decisions during Phase 2 (design and permitting), Phase 3 (go/no-go for construction phasing) and Phase 4 (phased construction).

COMPETITIVE SOLICITATION:

A Request for Qualifications/Proposals (RFQ/P)s Specification No. PG24-0211F was opened October 24, 2023. Five (5) companies were invited to submit proposals in addition to the City's normal advertising process. Three (3) consulting firms responded to the RFQ/P. Three (3)



submittals were received and evaluated, and the three (3) consulting firms were interviewed and scored by the Selection Advisory Committee (SAC).

McMillen, Inc. submitted a proposal that resulted in the highest evaluated submittal. The table below reflects the amount of the total award.

<u>Respondent</u>	<u>Location</u>	<u>Score</u>
McMillen, Inc.	Boise, ID	114.0
Jacobs Engineering, Inc.	Bellevue, WA	87.2
Schnabel Engineering, LLC.	Boise, ID	82.6

Pre-proposal Estimate: \$5,924,908
 The recommended award is 5 percent over the pre-proposal estimate.

CONTRACT HISTORY: New contract.

SUSTAINABILITY: Not applicable.

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
4700 – Power	PWR-09107	6311221	\$6,200,000
Total			Up to \$6,200,000

REVENUES:

FUNDING SOURCE	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT
4700 – Power	PWR-09107	6311221	(\$6,200,000)
TOTAL			Up to (\$6,200,000)

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

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-11459

Item No.: 2

Meeting Date: MAY 22, 2024

TO: Board of Contracts and Awards
FROM: Chris Robinson, Deputy Utility Director, Power Superintendent, Tacoma Power
Chris Mattson, Section Manager, Generation, Tacoma Power
Paul Lennemann, Dam Safety Manager, Generation, Tacoma Power
Jake Werner, Chief Surveyor, Generation, Tacoma Power
COPY: Public Utility Board, Director of Utilities, Board Clerk, EIC Coordinator, LEAP
Coordinator, and Ryan Foster, Finance/Purchasing
SUBJECT: On-Call Land Surveying Services
Architectural and Engineering (A&E) Roster, Contract No. CW2256211 – May 22,
2024 Public Utility Board
DATE: April 22, 2024

RECOMMENDATION SUMMARY:

Tacoma Power requests approval to increase and extend CW2256211, to Contour Engineering, LLC (Contour), Gig Harbor, WA, by \$1,000,000.00, plus applicable taxes, budgeted from 4700 - Tacoma Power, for additional land surveying services supporting on-going and future projects. This increase will bring the contract to a cumulative total of \$1,500,000.00 plus applicable taxes. Additionally, an extension of the contract termination date to March 31, 2028 is required to support the on-going and future projects.

BACKGROUND:

Tacoma Power currently has three (3) survey crew members to support the surveying needs of Dam Safety, Natural Resources, Transmission & Distribution, and Real Property Services. Tacoma Power uses an on-call land survey support contract to augment the City's in-house survey staff, leverage technology that is not available internally, and to respond to urgent needs and projects that exceed Tacoma Power's capacity. These services typically include aerial site scanning and mapping, 3D scans, and mapping of surrounding topography. Ongoing projects where these services are being provided include the Mayfield Juvenile Fish Bypass System (JBS), aerial surveys related to shoreline vegetation management at Riffe Lake, and Tacoma Public Utilities (TPU) campus site mapping.

ISSUES: Tacoma Power initially contracted with Contour to provide routine staff augmentation for the survey group. The original contract amount was sufficient for the anticipated workload based on demands from previous biennium. Over the last year since the contract was issued, Tacoma Power has utilized this contract to leverage the advanced technology and computing expertise that Contour offers on multiple projects. This service has increased the usage of the contract to the order of \$330,000.00. As an example, anticipated future work includes obtaining as-built information of Mossyrock and Cushman One (1) Dams and areas for the future Cowlitz Trout Hatchery project. This work consisted of utilizing Light Detection and Ranging (LiDAR) on an unmanned aerial vehicle to create a 3D model. This model was necessary to accurately reflect the complex configuration of the dam and land areas that could not otherwise be obtained with conventional surveying techniques and equipment. As technology evolves and benefits from high quality data is realized, Tacoma Power anticipates this continued level of utilization over the next three years.



ALTERNATIVES: One alternative to extending this contract increase would be to hire a contractor for each independent surveying request which will result in delayed response times and, in some cases, an inability to provide emergent requested services.

Another alternative is to staff for technology and project-driven peak needs; however, the risk is being over-resourced during periods when survey requests slow down. Additionally, the technology needed to support survey requests has rapid obsolescence making it inefficient and expensive for Tacoma Power to own.

COMPETITIVE ANALYSIS:

Three (3) firms were evaluated from the City’s Architectural and Engineering roster:

1. Contour Engineering, LLC (selected based on the most qualified to perform services).
2. Sitts and Hill Engineers, Inc.
3. Parametrix, Inc.

Contour Engineering, LLC was selected based on their qualifications, experience, and expertise. Contour continues to supply value-added service with their advanced technology and data gathering solutions that enhances Tacoma Power’s ability to design structures and execute major civil projects.

CONTRACT HISTORY: This contract was originally awarded to Contour Engineering, LLC as a result of selection from the Citywide A&E Roster in March 2023.

SUSTAINABILITY: Not applicable.

EQUITY IN CONTRACTING (EIC) COMPLIANCE: **Not applicable - Service contract - EIC Regulations are not yet established - 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
4700 – Tacoma Power	Various	6311221	\$1,000,000.00
TOTAL			Up to \$1,000,000.00



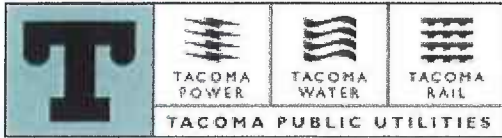
REVENUES:

FUNDING SOURCE	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT
4700 – Tacoma Power	Various	6311221	(\$1,000,000.00)
TOTAL			Up to (\$1,000,000.00)

FISCAL IMPACT TO CURRENT BIENNIAL BUDGET: \$300,000.00

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-11459
Item No.: 3
Meeting Date: MAY 22, 2024

TO: Board of Contracts and Awards
FROM: Chris Robinson, Deputy Utility Director, Power Superintendent, Tacoma Power
Joseph A. Wilson, Transmission and Distribution Section Manager, Tacoma Power
COPY: Public Utility Board, Director of Utilities, Board Clerk, EIC Coordinator, LEAP Coordinator, and Sara Bird, Senior Buyer, Finance/Purchasing
SUBJECT: Intellirupter Pulsecloser
Sole Source Waiver SR4535222524 – May 22, 2024 Public Utility Board
DATE: May 6, 2024

RECOMMENDATION SUMMARY:

Tacoma Power requests a waiver of competitive procurement procedures and recommends that a one-time purchase order be awarded to S&C Electric Company (S&C), Chicago, IL, for purchase of 30 Intellirupter Pulseclosers and required accessories, in the amount of \$1,160,389, plus applicable taxes, budgeted from the Tacoma Power Fund.

BACKGROUND:

Tacoma Power requires a safer high voltage reclosing switch for use in service areas that could be more adversely impacted by traditional reclosing energy. The requirements are also necessary to limit impact to adjacent distribution circuits and their customers. The S&C Intellirupter is the only recloser available in the US market that limits fault energy to less than 20 percent of traditional reclosing switches.

ISSUE: Tacoma Power is seeking to reduce reclosing arcing energy from high voltage switches and improve high voltage circuit reliability by reducing the scope of power outages. On average, Tacoma Power's high voltage circuits have 1500 customers served. A number of these circuits have high vegetation exposure and Tacoma Power may seek to limit reclosing fault energy during elevated fire weather risk. These high voltage reclosers can both reduce outage impact to about 50 percent of the customers currently impacted and reduce ignition risks.

ALTERNATIVES: While Tacoma Power has reasonably good reliability, the industry has been moving towards improved reliability measures and to reduce ignition risks. Tacoma Power could forgo this opportunity to deploy advanced reclosing technology and remain stagnant in their efforts to serve customers at about the same historical level as well as forgo an opportunity to reduce wildfire risks while other utility's litigate negligence claims about the performance of their power systems.

COMPETITIVE ANALYSIS:

Tacoma Power has reviewed 15kV reclosing devices sourced from leading manufacturers in the US, such as Eaton and G&W Electric. No other manufacturers of 15kV reclosers in the US provide the required features including reduced reclosing energy and all recloser controls packaged within the same recloser housing.

Tacoma Power negotiated with the manufacturer (S&C) to achieve a significant cost savings in a bulk purchase that is competitive with traditional reclosing devices available from competitors. This product's integrated disconnect (not included in competing devices), integrated controls



and reduced fault current features contained within this procurement do represent the lowest cost to the City, compared with competing products which lack those features and require more resource effort to install.

CONTRACT HISTORY: New contract/one time purchase order

SUSTAINABILITY: Sustainability factors not considered for this supply item.

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 to this contract.

FISCAL IMPACT:

EXPENDITURES:

FUND NUMBER & FUND NAME *	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT
Tacoma Power – 4700	Various	Various	\$1,160,389
TOTAL			Up to \$1,160,389

REVENUES:

FUNDING SOURCE	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT
Tacoma Power Sales	Various	Various	(\$1,160,389)
TOTAL			Up to (\$1,160,389)

FISCAL IMPACT TO CURRENT BIENNIAL BUDGET: \$ 1,160,389

ARE THE EXPENDITURES AND REVENUES PLANNED AND BUDGETED? Yes

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

Waiver of Competitive Solicitation

Sole Source/Not Practicable to Bid

Sole Source Purchase – TMC 1.06.257.A Not Practicable to Bid – TMC 1.06.257.B

SR4535222524

Tacoma Power, Transmission & Distribution requests a waiver of the competitive solicitation process for IntelliRupter Pulesclosen. The supplier is S&C Electric Company, Chicago, IL.

Approval of this request constitutes a waiver of further competitive solicitation for amendments to the subject contract provided that any such amendment(s) shall be signed by personnel as authorized in the Delegation of Procurement Signature and Approval Authority memorandum. Contract totals shall not exceed \$500,000 without City Council or Public Utility Board approval as appropriate.

“Follow-on” Contracts:

Provide any historical contract information, specification number, etc., and explain the relationship of this request to any previous contracts:

N/A

Waiver Criteria:

1. Per Purchasing Policy Manual Section XXI., this purchase is justified as a Sole Source or Not Practicable to Bid for the following reason(s):

Sole Source:

- Supplies or services that only one supplier is capable of providing or authorized to provide.
- Items required in order to function with existing equipment, systems, programs, or services.
- Products, systems, information, or services that are subject to patent or other proprietary use rights.
- Security requirements or information mandates that limit procurement from only a single supplier.

Not Practicable to Bid:

- An immediate and important need for proposed construction, installation, repair, materials, supplies, equipment, or services where the delay that would result from following the requirements of the competitive solicitation process would cause financial loss to the City or an interruption of vital services to the public.
- Special facilities or market conditions (see RCW 39.26.125).
- Specially tailored or performance criteria-based products such as computer systems or equipment.
- Supplier selection is not controlled by the City.

2. Support your contention that it would be futile to advertise and competitively solicit the product/service. Include any technical or unique product/service attributes that

Waiver of Competitive Solicitation

Sole Source/Not Practicable to Bid

prevent drafting specifications for a competitive solicitation to which more than one supplier could successfully respond.

Tacoma Power requires a safer reclosing device for use in service areas that could be more adversely impacted by traditional reclosing energy. The requirements are also necessary to limit impact to adjacent distribution circuits and their customers. The S&C IntelliRupter is the only recloser available in the US market that limits fault energy to less than 20% of traditional reclosing devices.

3. Describe the screening efforts made to identify potential suppliers.

Tacoma Power has reviewed 15kV reclosing devices sourced from leading manufacturers in the US, such as Eaton and G&W. No other manufacturers of 15 kV reclosers in the US provide the required features including reduced reclosing energy and all recloser controls packaged within the same recloser housing.

4. Describe the efforts made to assure that the City is receiving the lowest or best price possible.

Tacoma Power negotiated with the manufacturer (S&C) to achieve a significant cost savings in a bulk purchase that is competitive with traditional reclosing devices available from competitors. This product's integrated disconnect (not included in competing devices), integrated controls and reduced fault current features contained within this procurement do represent the lowest cost to the City, compared with competing products which lack those features and require more resource effort to install.

5. Is this a one-time or on-going purchase?

One-time. Estimated one-time cost, including shipping: \$1,160,389.00, plus applicable sales tax.

Ongoing. Estimated total cost, including shipping, for projected contract term of years: \$, plus applicable sales tax.

Note: Sole Source requests are limited to three years unless an exception is approved.

Funding: Funds for this purchase are available in the Tacoma Power Fund.

EIC Consideration: Describe below the efforts to ensure, where appropriate, that you have checked the [OMWBE website](#) of EIC firms for contracting opportunities.

Search under NAICS code 335 for Electrical Equipment, Appliance, and Component Manufacturing returned no firms in Washington State that are certified under OMWBE.

Project Coordinator: Joseph A. Wilson, P.E., Tacoma Power T&D, 253-502-8286



S&C ELECTRIC COMPANY
Excellence Through Innovation

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Telephone (773) 338-1000
Fax (773) 338-3657

April 15th, 2024
Tacoma Power

Subject: S&C IntelliRupter® PulseCloser® Technology

Dear Erica,

I am writing to inform you that S&C Electric Company is the sole source provider of the IntelliRupter® PulseCloser® Fault Interrupter. IntelliRupter® PulseClosing® technology differs from standard reclosers. Using PulseClosing® Technology - a rapid close and open of the contacts, the IntelliRupter® PulseCloser® Fault Interrupter uses 95% less energy to test for faults. This technology creates less stress on the aging grid and enables the many applications the IntelliRupter® supports, including:

- Increased segmentation
- Automatic loop restoration without communication
- Intelligent fuse saving
- Increased protection of underground / hybrid circuits

We are proud to offer this groundbreaking technology exclusively through S&C Electric Company, and we are committed to providing unparalleled support and service to meet your operational needs.

Please feel free to contact us with any questions. Thank you for considering S&C Electric Company as your partner in advancing your electrical distribution system.

Sincerely,

S&C ELECTRIC COMPANY

James Rexroth
Account Manager
James.Rexroth@sandc.com
206.305.2406