



RESOLUTION NO. U-11429

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:

Chair

Secretary

Adopted _____

Clerk



Resolution No.: 0-11429
Item No.: 1
Meeting Date: JANUARY 10, 2024

TO: Board of Contracts and Awards
FROM: Chris Robinson, Superintendent/COO, Power
Chris Mattson, Section Manager, Generation, Power
Ozan Ferrin, Engineering Manager, Generation, Power
Kevin Smith, Systems Engineer, PE, Generation, Power
COPY: Public Utility Board, Director of Utilities, Board Clerk, EIC Coordinator, LEAP
Coordinator, and Dawn DeJarlais, Finance/Purchasing
SUBJECT: Geotechnical and Dam Engineering Services for Cushman No. 1 Dam Right and
Left Wingwall Anchoring
Architectural and Engineering (A&E) Roster – January 10, 2024 Public Utility
Board
DATE: December 7, 2023

RECOMMENDATION SUMMARY:

The Tacoma Power, Generation Section recommends a contract be awarded to Schnabel Engineering, LLC, Seattle, WA, in the amount of \$2,409,650, plus applicable taxes, budgeted from the Power Fund - 4700, for a contract term of February 1, 2024 to December 31, 2026, to perform a Geotechnical Investigation, Dam Analysis, and Wingwall Anchor Design at the Cushman No. 1 Dam. This work is part of a commitment to the Federal Energy Regulatory Commission (FERC) to reduce the potential risk associated with the arch dam during an extreme seismic event.

STRATEGIC POLICY PRIORITY:

Assure outstanding stewardship of the natural and built environment. The scope of this contract includes designing structural upgrades to the Cushman No. 1 Dam to increase post-seismic performance and ensure the Hydroelectric Plant can continue to provide clean renewable energy.

BACKGROUND:

Cushman Dam No. 1 is a single curvature arch dam constructed in 1926 that impounds Lake Cushman. The dam has concrete gravity wing walls on both abutments, and an earth fill dam with a concrete wall adjoining the left abutment. Overall height of the dam is 275-ft above the lowest foundation and 235-ft above the streambed. Lake Cushman is 9.6 miles long, has a maximum area of 4,010 acres, and a maximum storage capacity of 453,350 acre-ft.

In 1976, the left gravity wing wall was stabilized with the installation of ten rock anchors. A design or final construction report does not exist for this project.

“Coarse” structural modeling of the Cushman No. 1 Arch Dam has suggested post-seismic instability including potential displacement of the left and right-wingwalls during an extreme seismic event. To perform a conservative and time efficient analysis, the FERC requested that the foundation model be simplified to a few elements. Therefore, the current structural model is referred to as a “coarse” model.

ISSUE: Tacoma Power has committed to the FERC to move forward with design and construction of wingwall anchoring to address the post-seismic instability risk.



The scope of services includes identification of data gaps in the current coarse model, performance of a geotechnical investigation and laboratory testing program of rock foundation conditions, design of anchors to increase the post-seismic performance of the wingwalls, checking stability of the abutments, dynamic stability of the wingwalls during a seismic event, and development of an anchor installation plan. Anchor construction observation and preparation of a 3D geologic model of the dam and abutments are also included.

ALTERNATIVES: The services covered in this contract are necessary to fulfill a commitment to the FERC and maintain the City’s operating license. Alternatives for anchoring the wingwalls will be assessed in design and a FERC required Board of Consultants will review all stages of the project.

COMPETITIVE ANALYSIS: The City’s A&E Roster was utilized to request an updated Statement of Qualifications from 15 Consulting firms. Three (3) Consulting firms submitted their qualifications and were interviewed by a team developed in Power Generation. Schnabel Engineering, LLC was selected based on qualifications, relevant experience, reputation and availability. This contract was directly negotiated with them.

CONTRACT HISTORY: New contract.

SUSTAINABILITY: This project supports Resolution No. 40776 to “Strengthen the City’s Commitment to Decarbonization” by maintaining the City’s dams and continuing operation of Hydroelectric Plants to provide clean renewable energy.

EQUITY IN CONTRACTING (EIC) COMPLIANCE: Not applicable.

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	PWR-01233	6311221	\$2,409,650
TOTAL			Up to \$2,409,650

REVENUES:

FUNDING SOURCE	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT
4700 - Power	PWR-01233	6311221	(\$2,409,650)
TOTAL			Up to (\$2,409,650)



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

ARE THE EXPENDITURES AND REVENUES PLANNED AND BUDGETED? Yes

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



Resolution No.: U-11429
Item No.: 2
Meeting Date: JANUARY 10, 2024

TO: Board of Contracts and Awards
FROM: Chris Robinson, Superintendent, Power
Joseph A. Wilson, Transmission & Distribution Manager, Power
Don Ashmore, Utilities Fleet Manager, Transmission and Distribution, Power
COPY: Public Utility Board, Director of Utilities, Board Clerk, EIC Coordinator, LEAP
Coordinator, and Ryan Foster, Finance/Purchasing
SUBJECT: Purchase of Walk-in Step Vans
WA State Contract No. 14022 – January 10, 2024 Public Utility Board
DATE: November 27, 2023

RECOMMENDATION SUMMARY: Tacoma Public Utilities (TPU) Fleet Services recommends a contract be awarded to Gordon Truck Centers, Inc. dba Freightliner Northwest, Pacific, WA, in the amount of \$8,000,000, plus applicable taxes, budgeted from the Power and Water Funds, for an initial contract term of December 1, 2023 to October 2, 2026, for the purchase of new and unused Freightliner model MT-45 (non-hybrid) and MT-55 plug-in hybrid-electric walk-in step vans as needed.

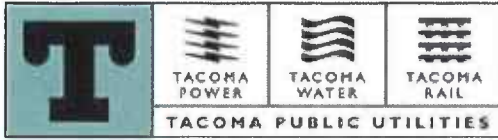
BACKGROUND:

The contract amount requested is the total estimated replacement cost that includes the base price plus options for the new vehicle purchases planned during the contract period. There is no guaranteed or minimum purchase requirement.

ISSUE: The new vehicles will be assigned across Tacoma Water and Tacoma Power work groups for crews to use for various maintenance and construction projects and fulfilling work responsibilities throughout the City's service area to include outlying site locations. The new vans are designed to be mobile workstations that typically have a work bench and storage compartments for tools, equipment, parts and other necessary cargo inside in order to accomplish required work tasks in the field. The new vehicles will replace a fleet of vehicles subject to Fleet Services replacement criteria, which addresses a combination of mileage, age, mechanical condition, job suitability and safety factors.

ALTERNATIVES: Not replacing this equipment, which has reached its useful life due to age and mechanical condition and is not cost effective to maintain, runs the risk of equipment failure and breakdown. In the event of the equipment not being operational when required or, alternatively, the City would have to locate rental units and may likely not find the proper equipment available or the number necessary which could delay utility project work schedules.

COMPETITIVE SOLICITATION: This contract was awarded as a result of State of Washington Invitation for Bid 14022-2 that opened June 26, 2023. The solicitation was posted on May 26, 2023, to Washington's Electronic Business Solution (WEBS) application, where vendors can register for contracting opportunities. Two submittals were received. The contract term is October 2, 2023 through October 2, 2026.



Through an interlocal cooperative purchasing agreement, the City of Tacoma's purchases will be at State contract prices and terms and meet competitive bidding requirements. Utilizing this State contract is the most cost-effective means as price concessions received by the State exceed those TPU would receive as a single entity. This is due to the high quantity of purchases made by State agencies, as well as municipalities and other government agencies.

CONTRACT HISTORY: New contract.

SUSTAINABILITY: The new hybrid model vans will have Odyne Hybrid Systems that are plug-in hybrid electric vehicle (PHEV) systems for medium and heavy-duty work trucks/vans. The advanced plug-in hybrid technology enables trucks to have substantially lower emissions, improved performance, quieter job site operation, lower fuel consumption and reduced operating and maintenance costs. In support of the City's Environmental Action Plan goals, TPU Fleet Services works with the vehicle work groups to make efforts to lower fossil fuel consumption through biofuel use and considers environmentally friendly alternatives such as this when making vehicle related procurement decisions.

EQUITY IN CONTRACTING (EIC) COMPLIANCE: Not applicable

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	Various	5641500	\$500,000
4600 – Water	Various	5641500	\$7,500,000
TOTAL			Up to \$8,000,000

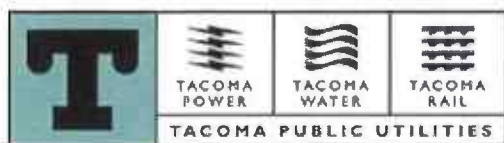
REVENUES:

FUNDING SOURCE	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT
4700 – Power	Various	5641500	(\$500,000)
4600 – Water	Various	5641500	(\$7,500,000)
TOTAL			Up to (\$8,000,000)

FISCAL IMPACT TO CURRENT BIENNIAL BUDGET: N/A (no orders will be received this biennium)

ARE THE EXPENDITURES AND REVENUES PLANNED AND BUDGETED? Enter Yes

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



Resolution No.: U-11429
Item No.: 3
Meeting Date: JANUARY 10, 2024

TO: Board of Contracts and Awards
FROM: Chris Robinson, Superintendent, Power
Joseph A. Wilson, PE, Transmission and Distribution Manager, Power
Don Ashmore, Utilities Fleet Manager, Transmission and Distribution, Power
COPY: Public Utility Board, Director of Utilities, Board Clerk, EIC Coordinator, LEAP
Coordinator, and Ryan Foster, Finance/Purchasing
SUBJECT: Heavy Duty Marine Debris Trash Skimmer Vessel and Trailer
Request for Bid (RFB) Specification No. UF23-0276F, SR4161101667 – January
10, 2024 Public Utility Board
DATE: November 27, 2023

RECOMMENDATION SUMMARY: Tacoma Public Utilities (TPU) Fleet Services recommends a contract be awarded to D&D Products Inc., Aquarius Systems Division, North Prairie, WI, in the amount of \$962,840, plus applicable taxes, budgeted from the Power Fund, for an initial contract term of December 1, 2023 to December 31, 2024, for the purchase of one new and unused Aquarius Systems TH-23 Trash Hunter heavy duty marine debris trash skimmer boat and trailer.

BACKGROUND:

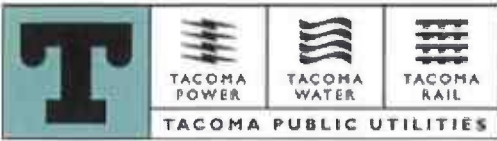
The new heavy duty marine debris trash skimmer boat and trailer will replace an existing 1998 Aquarius Skimmer Boat and trailer that is assigned to Tacoma Power's Generation Cowlitz Project work group. This type of boat is required for light debris like garbage or plastics or heavy woody debris such as logs and tires out of the reservoir to improve public safety. The new boat will also improve employee safety as it has an improved ergonomic design and is intended for woody debris removal. The replaced boat and trailer will be sold at public auction using City surplus procedures.

ISSUE: The existing boat and trailer are past their useful life and replacement parts are getting harder to acquire. The current boat has been modified over the years to make it more user friendly as it was not originally designed for the type of debris removal that the Cowlitz Project handles.

ALTERNATIVES: Not replacing this equipment, which has reached its useful life and is no longer cost effective to maintain, runs the risk of equipment failure or breakdown. In the event of the equipment not being operational when required or alternatively, we would have to locate a rental and may not find the proper equipment available which could delay project schedules.

COMPETITIVE SOLICITATION:

RFB Specification No. UF23-0276F was opened November 21, 2023. Eleven companies were invited to bid in addition to normal advertising of the project. D&D Products Inc., Aquarius Systems Division was the only submittal received and complies with the technical provisions of the specification. The table below reflects the amount of the total award.



<u>Respondent</u>	<u>Location</u>	<u>Submittal Amount</u>
D&D Products Inc., Aquarius Systems Division	North Prairie, WI	\$962,840

Pre-bid Estimate: \$950,000
 The recommended award is one percent above the pre-bid estimate.

CONTRACT HISTORY: New contract.

SUSTAINABILITY: The boat has a Hatz diesel engine which has low fuel and oil consumption ratings and engine-controlled exhaust gas recirculation with electronic control units and exhaust emissions well below all valid limits for operating the machine in EU, USA and Japan. Further, the encapsulated engine reduces noise by 90 percent making it the quietest diesel engine of its class.

EQUITY IN CONTRACTING (EIC) COMPLIANCE: Not applicable

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	Various	5641500	\$962,840
TOTAL			Up to \$962,840

REVENUES:

FUNDING SOURCE	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT
4700 – Power	Various	5641500	(\$962,840)
TOTAL			Up to (\$962,840)

FISCAL IMPACT TO CURRENT BIENNIAL BUDGET: N/A (the unit will not be delivered this 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-11429
Item No.: 4
Meeting Date: JANUARY 10, 2024

TO: Board of Contracts and Awards
FROM: Chris Robinson, Superintendent, Power
Joseph A. Wilson, PE, Transmission and Distribution Manager, Power
Don Ashmore, Utilities Fleet Manager, Transmission and Distribution, Power
COPY: Public Utility Board, Director of Utilities, Board Clerk, EIC Coordinator, LEAP
Coordinator, and Ryan Foster, Finance/Purchasing
SUBJECT: Purchase of Aluminum Cube Truck Bodies
Request for Bids (RFB) Specification No. UF23-0182F, Contract No.
CW2261253 – January 10, 2024 Public Utility Board
DATE: November 27, 2023

RECOMMENDATION SUMMARY:

Tacoma Public Utilities (TPU) Fleet Services recommends a contract be awarded to TriVan Truck Body, LLC, Ferndale, WA, in the amount of \$1,091,209.20, plus applicable taxes, budgeted from Tacoma Rail, Power and Water Funds, for an initial contract term of November 1, 2023 to October 31, 2025 with the option to renew for three additional one-year terms, for a projected contract amount of \$2,728,023.00, plus applicable taxes, for the purchase of new and unused aluminum cube truck bodies as-needed.

BACKGROUND:

The new truck bodies will be installed on new City-owned chassis to make completed units. The new vehicles will be assigned across TPU divisions for workgroups to use in support of maintenance and construction projects throughout the City's service area to include outlying site locations such as Water's Green River Watershed and McMillin Reservoir; Power's Cowlitz, Nisqually, Wynoochee, and Cushman Projects.

ISSUE: The contract amount requested is the total estimated funds needed for the planned contract period. New vehicles will replace existing vehicles subject to Fleet replacement criteria, which addresses a combination of mileage, age, mechanical condition, job suitability and safety factors. Work performed in these vehicles will aid in timely responses to service requests, emergencies and outages. There is no guaranteed or minimum purchase requirement.

ALTERNATIVES: Not replacing this equipment, which has reached its useful life due to age and mechanical condition and is not cost effective to maintain, runs the risk of equipment failure and breakdown. In the event of the equipment not being operational when required or alternatively, the City would have to locate rental units and may likely not find the proper equipment available or the number necessary, which could delay utility project work schedules.

COMPETITIVE SOLICITATION: RFB Specification No. UF23-0182F was opened August 29, 2023. Thirty companies were invited to bid in addition to normal advertising of the project. TriVan Truck Body, LLC was the only submittal received and complies with the technical provisions of the specification. The table below reflects the amount of the total award.

