RESOLUTION NO. U-11606

A RESOLUTION related to the purchase of materials, supplies, equipment and the furnishing of services; authorizing the City officials to enter into contracts and, where specified, waive competitive bidding requirements, authorize sale of surplus property, or increase or extend existing agreements.

WHEREAS the City of Tacoma, Department of Public Utilities, requested bids or proposals for the purchase of certain materials, supplies, equipment or the furnishing of certain services, or proposes to purchase off an agreement previously competitively bid and entered into by another governmental entity or a purchasing cooperative, or for the sales of surplus, or desires to increase or extend an existing agreement, all as explained by the attached Exhibit "A," which by this reference is incorporated herein, and

WHEREAS in response thereto, bids or proposals (or prices from another governmental or cooperative agreement) were received, all as evidenced by Exhibit "A," and

WHEREAS the Board of Contracts and Awards or the requesting division have heretofore made their recommendations, which may include waiver of the formal competitive bid process because it was not practicable to follow said process, or because the purchase is from a single source, or there is an emergency that requires such waiver, or because a directly negotiated contract was determined to be in the best interest of the City, or waiver of minor deviations, and in the case of sale of surplus, a declaration of surplus has been made certifying that said items are no longer essential for continued effective utility service, as explained in Exhibit "A," Now, therefore,

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:

_____
Chief Deputy City Attorney

_____
Clerk

_____
Chair

_____
Secretary

Adopted_____

TACOMA POWER | TACOMA WATER | TACOMA RAIL
TACOMA PUBLIC UTILITIES

Resolution No.: U-11606
Item No.: /
Meeting Date: MAY 27, 2026

TO: Board of Contracts and Awards
FROM: Chris Robinson, Power Superintendent, Tacoma Power
Chris Mattson, Section Manager, Power Generation
Paul Lennemann, Power Utility Manager, Power Generation Dam Safety
COPY: Public Utility Board, Director of Utilities, Board Clerk, EIC Coordinator, LEAP Coordinator, and Ryan Foster, Senior Buyer, Finance/Purchasing
SUBJECT: Dam Safety Engineering Services for Seismic Hazard Analysis and Modeling Architectural and Engineering (A&E) Roster, Contract No. CW2229347
May 27, 2026 Public Utility Board
DATE: April 20, 2026

RECOMMENDATION SUMMARY:
Tacoma Power requests approval to increase and extend Contract No. CW2229347 with GFT Infrastructure, Inc., formerly known as Gannett Fleming, Inc. Fife, WA, by $300,000, plus applicable taxes, budgeted from the 4700 Power Fund, for dam safety engineering services supporting seismic hazard analysis and related modeling for Tacoma Power hydroelectric projects. This increase will bring the contract to a projected total of $800,000, plus applicable taxes and extend the contract through April 30, 2031.

BACKGROUND:
Both as a federal regulatory requirement and to meet our top priority of ensuring public safety, Tacoma Power, along with experts within the Dam Safety Industry, identified the need to update our seismic hazard understanding. Beginning in 2019, Tacoma Power initiated seismic hazard analyses (SHA) for dams associated with the Nisqually Hydroelectric Project. GFTInfrastructure, Inc. was selected to perform the analyses due to its reputation, expertise, and standing in the seismic hazard community.

Since 2019, evolving regional seismic understanding, updated Federal Energy Regulatory Commission (FERC) Seismac Hazard Assessment (SHA) requirements, and advancements in industry hazard calculation methodologies have necessitated re-evaluation of ongoing analyses and expansion of work related to the Nisqually Project. Similarly, the Cowlitz Project is undergoing SHA to address FERC comments.

This contract provides specialized engineering services to perform deterministic and probabilistic SHA and related technical support for Tacoma Power's hydroelectric facilities. The scope includes the Nisqually Project's Alder and LaGrande Dams and the added Cowlitz Project's Mossyrock and Mayfield Dams.

Under this contract, GFT Infrastructure, Inc. has provided substantial work-product, developed a strong familiarity with the Cowlitz and Nisqually Project structures, and is committed to addressing recent FERC comments regarding their SHA reports to finalize the regulatory acceptance process. Additionally, Tacoma Power is advancing computer modeling of Mossyrock and Mayfield dams, which will utilize information identified in the SHA. It is appropriate for GFT Infrastructure, Inc. to be a partner in these modeling efforts.

ISSUE: Additional contract capacity is required to complete ongoing and expanded SHA necessary to meet federal dam safety compliance requirements and improve Tacoma's understanding of evolving seismicity near our dams.

Remaining tasks include the completion of the Nisqually Hydroelectric Project SHA for Alder and LaGrande Dams, and SHA and modeling support for Mossyrock and Mayfield Dams.

These analyses require specialized expertise and continuity of technical approach. GFT Infrastructure, Inc. has established familiarity with Tacoma Power's facilities, existing analyses, and regulatory expectations.

ALTERNATIVES: Tacoma Power considered an alternative of selecting a new consultant to complete the remaining and expanded scope of work. However, transitioning to a new consultant would require significant time for onboarding, review of prior analyses, and redevelopment of the technical understanding of Tacoma Power's facilities. This would introduce inefficiencies, increase costs, and create risk to project schedules and FERC compliance timelines.

The second alternative considered was to defer or delay portions of the SHA. This is not recommended, as it would increase regulatory risk and could impact Tacoma Power's ability to demonstrate ongoing dam safety compliance and understanding of potential hazards.

The third alternative considered was to perform the work with internal resources. This is not recommended, as the expertise required to perform this work is highly specialized and would excessively delay the process to complete these analyses, increase regulatory risk, and could impact Tacoma Power's ability to demonstrate ongoing dam safety compliance.

Increasing the existing contract with GFT Infrastructure, Inc. is the most efficient and cost-effective approach, as it maintains continuity, leverages existing knowledge, and supports the timely completion of required analyses.

COMPETITIVE ANALYSIS:
The City's A&E roster was utilized to request Statements of Qualifications from consulting firms. Three firms submitted qualifications and were evaluated by a selection team within Tacoma Power's Generation Section. GFT Infrastructure, Inc. was selected based on qualifications, relevant experience, availability, and demonstrated expertise in SHA.

This contract was directly negotiated following selection from the A&E roster. The requested increase is an amendment to an existing contract and continues to support the same general scope of specialized engineering services. Due to the highly specialized nature of the work and the importance of maintaining continuity in seismic analyses, it is not practical to competitively procure these services at this stage.

CONTRACT HISTORY: This contract was originally awarded to Gannett Fleming, Inc. in July 2019 following selection from the City's A&E roster. The original contract amount was $80,000, plus applicable taxes, with a term through May 30, 2022.

- Amendment No. 1 (December 2021): Increased the contract by $170,000 (total $250,000) and extended the term to May 2024.
- Amendment No. 2 (October 2023): Expanded scope to include additional seismic evaluation services for Cushman Dam No. 1 and increased the contract by $100,000 (total $350,000) and extended the term to October 1, 2025.
- Amendment No. 3 (January 2025): Updated the rate schedule with no change to total contract value.
- Amendment No. 4 (September 2025): Replaced the scope with portfolio-wide on-call seismic hazard analysis services and increased the contract by $150,000 (total $500,000) and extended the term to October 1, 2027.

This request would increase the contract by $300,000, for a new total of $800,000, and extend the term to April 30, 2031.

SUSTAINABILITY: This contract supports the delivery of clean, renewable, and reliable energy by maintaining the safety and integrity of Tacoma Power's hydroelectric assets

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
4700 – Power Fund	Various	5330100	$300,000
TOTAL			**Up to $300,000**

REVENUES:

FUNDING SOURCE	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT
4700 – Power Fund	Various	5330100	($300,000)
TOTAL			**Up to ($300,000)**

FISCAL IMPACT TO CURRENT BIENNIAL BUDGET: $300,000

ARE THE EXPENDITURES AND REVENUES PLANNED AND BUDGETED? Yes

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

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TACOMA PUBLIC UTILITIES

Resolution No.: U-11606
Item No.: 2
Meeting Date: May 27, 2026

TO: Board of Contracts and Awards
FROM: Chris Robinson, Power Superintendent, Tacoma Power
Chris Mattson, Section Manager, Power Generation
Ozan Ferrin, Assistant Section Manager, Power Generation Engineering
Kevin Smith, Power Systems Engineer, Power Generation Engineering
COPY: Public Utility Board, Director of Utilities, Board Clerk, EIC Coordinator, LEAP Coordinator, and Ryan Foster, Senior Buyer, Finance/Purchasing
SUBJECT: Geotechnical and Dam Engineering Services for Cushman No. 1 Dam Right and Left Wingwall Anchoring
Architectural and Engineering (A&E) Roster, Contract No. CW2263289
May 27, 2026 Public Utility Board
DATE: May 5, 2026

RECOMMENDATION SUMMARY:
Tacoma Power requests approval to increase Contract No. CW2263289 with Schnabel, Inc., Seattle, WA, by $919,615, plus applicable taxes, budgeted from the Power Fund 4700, to perform additional geotechnical investigation, reporting, and analysis in support of the Cushman No. 1 Dam Right and Left Wingwall Anchoring Project. This increase will bring the contract to a projected total of $3,529,265, plus applicable taxes.

STRATEGIC POLICY PRIORITY:
Ensure outstanding stewardship of the natural and built environment. This contract supports structural upgrades to the Cushman No. 1 Dam to improve post-seismic performance, ensure continued generation of clean, renewable energy, comply with federal regulatory requirements, and meet our top priority of ensuring public safety.

BACKGROUND:
Cushman No. 1 Dam is a single curvature arch dam constructed in 1926 that impounds Lake Cushman and is a key component of Tacoma Power's hydroelectric generation within the Cushman Hydroelectric Project. The dam includes concrete wingwalls at both abutments that are integral to its structural performance.

Previously completed "coarse" structural modeling of the Cushman No. 1 Arch Dam identified potential post-seismic instability, including displacement of the right and left wingwalls. To perform a conservative and time-efficient analysis, the Federal Energy Regulatory Commission (FERC) directed Tacoma Power to use a simplified foundation model with generalized assumptions of foundation geometry and structural properties. While a coarse modeling approach was appropriate for initial screening, additional analysis is required to better characterize the foundation conditions and refine understanding of the wingwall behavior.

ISSUE: Tacoma Power has committed to FERC to move forward with design and construction of wingwall anchoring as an incremental risk-reduction measure ahead of a future effort to develop a more comprehensive global stability model.

The original contract scope included identification of data gaps in the coarse model, performance of a geotechnical investigation and laboratory testing program to characterize

foundation conditions, design of anchors to increase the post-seismic performance of the wingwalls, evaluation of abutment stability, and dynamic performance during a seismic event, development of an anchor installation plan, and construction observation services.

Following review of the coarse model and completion of the geotechnical investigation, FERC required additional modeling and contingency planning beyond the original scope. This resulted in increased coordination with FERC and the Board of Consultants (BOC), development of a construction Drilling Program Plan (DPP), inclusion of a construction Potential Failure Modes Analysis (PFMA), and an expanded geotechnical investigation scope that includes additional drilling and on-site monitoring.

This contract increase is required to support the additional scope of services described above.

ALTERNATIVES: The following alternatives were considered:

Alternative 1: Delay the required analysis and design work. This would risk non-compliance with FERC requirements.

Alternative 2: Procure a new consultant. This would result in inefficiencies, increased cost, and schedule delays due to the need for a new consultant to become familiar with existing investigations and modeling.

Recommendation: Increase the contract with Schnabel, Inc. This alternative provides the most efficient and cost-effective approach, ensuring continuity of work and timely compliance with FERC commitments. Schnabel, Inc.'s prior involvement provides continuity and avoids duplication of effort, reducing both cost and schedule risk.

With certain projects, FERC requires dam owners to establish a BOC to provide independent oversight and expert review of dam safety and rehabilitation projects. Additional anchoring alternatives will be evaluated during design, with all project stages subject to BOC review as required by FERC.

COMPETITIVE ANALYSIS:
The City's A&E roster was utilized to request an updated Statement of Qualifications from fifteen (15) consulting firms. Three (3) consulting firms submitted their qualifications and were interviewed by a team developed in Power Generation. Schnabel, Inc. was selected based on qualifications, relevant experience, availability, and expertise. This contract was the result of a direct negotiation waiver.

CONTRACT HISTORY: This contract was originally awarded to Schnabel, Inc., as a result of selection from the City's A&E roster in January 2024. The original contract amount was $2,409,650, plus applicable taxes, approved via resolution U-11429 with a contract term through December 31, 2027.

Amendment No. 1 was executed in May 2024 to apply the updated rate schedule.

Amendment No. 2 was executed in March 2026 to increase the compensation under the contract by $200,000 for a new, not-to-exceed amount of $2,609,650.

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 - 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
4700 – Power	PWR-01233	6311221	$919,615
TOTAL			**Up to $919,615**

REVENUES:

FUNDING SOURCE	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT
4700 – Power	PWR-01233	6311221	($919,615)
TOTAL			**Up to ($919,615)**

FISCAL IMPACT TO CURRENT BIENNIAL BUDGET: $430,000

ARE THE EXPENDITURES AND REVENUES PLANNED AND BUDGETED? Yes

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