



## RESOLUTION NO. U-11224

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/proposals for the purchase of certain materials, supplies, equipment and/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 for the sales of surplus, or desires to increase and/or extend an existing  
11 agreement, all as explained by the attached Exhibit "A," which by this reference  
12 is incorporated herein, and

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

15 WHEREAS the Board of Contracts and Awards and/or the requesting  
16 division have heretofore made their recommendations, which may include  
17 waiver of the formal competitive bid process because it was not practicable to  
18 follow said process, or because the purchase is from a single source, or there is  
19 an emergency that requires such waiver, and/or waiver of minor deviations, and  
20 in the case of sale of surplus, a declaration of surplus has been made certifying  
21 that said items are no longer essential for continued effective utility service, as  
22 explained in Exhibit "A," and  
23  
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WHEREAS the Director requests authorization, pursuant to  
TMC 1.06.269 A, to amend contract amounts up to \$500,000 and to approve  
term extensions and renewals for all items contained 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 and/or  
the requesting division, and approves, as appropriate: (1) the purchase and/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 Interlocal agreement that authorizes  
purchase off another governmental entity's contract; (4) the increase and/or  
extension of an existing agreement, and said matters may include waiver of the  
formal competitive bid process and/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, and (5) the administrative authority of the Director, per  
TMC 1.06.269 A., to amend contract amounts up to \$500,000 and to approve  
term extensions and contract renewals for all items in Exhibit "A."

Approved as to form:

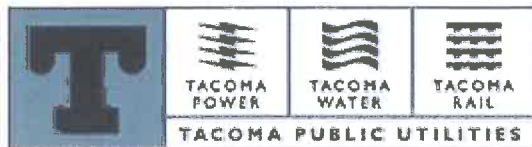
/s/  
Chief Deputy City Attorney

Clerk

Chair

Secretary

Adopted



RESOLUTION NO.: U-11224  
ITEM NO.: 1  
MEETING DATE: DECEMBER 9, 2020

**TO:** Board of Contracts and Awards  
**FROM:** Joseph A. Wilson, PE, Transmission and Distribution Manager  
Joe Parris, Transmission and Distribution Contract Program Manager  
**COPY:** Public Utility Board, Director of Utilities, Board Clerk, EIC Coordinator, LEAP Coordinator, and Seth Hartz, Finance/Purchasing  
**SUBJECT:** 15kV Single Phase Pole Mounted Transformers  
Request for Bids Specification No. PT20-0195F – December 9, 2020  
**DATE:** November 17, 2020

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**RECOMMENDATION SUMMARY:**

Tacoma Power recommends a contract be awarded to Electrical Research & Manufacturing Cooperative, Dyersburg, TN, for the purchase of 15kV single phase pole mounted transformers on an as-needed basis, in the amount of \$1,335,928.00, plus applicable taxes, for an initial contract term of three years with the option to renew for two one-year periods, for a projected contract amount of \$2,267,025.29.

**BACKGROUND:**

This contract is for the supply of 15kV single phase pole mounted transformers that will be utilized within Tacoma Power's distribution system. Projected usage includes requirements for new service requests, replacement of aging assets, maintenance activities, and damage related replacement.

**ISSUE:** 15kV single phase pole mounted transformers are commonly required when existing assets on Tacoma Power's distribution system are approaching their designed lifespan. In addition to new service requests, these transformers are required for modified installations due to altered load demands. Severe weather events or third party incidents, such as car versus pole, necessitate continued usage.

**ALTERNATIVES:** Tacoma Power could purchase 15kV single phase pole mounted transformers on a one-time, as needed basis without awarding a contract. This would require numerous solicitations significantly impacting internal resources, negatively effecting service time and project timelines, and potentially increasing costs by not leveraging economies of scale.

**COMPETITIVE SOLICITATION:**

Request for Bids Specification No. PT20-0195F was opened September 22, 2020. Eight companies were invited to bid in addition to normal advertising of the project. Four submittals were received. The low bidder, Anixter, Inc., and the fourth low bidder, General Pacific, Inc., took exception to the technical requirements of the specification which resulted in their bids being non-responsive.

Electrical Research & Manufacturing Cooperative submitted a bid that resulted in the lowest evaluated submittal after consideration of EIC participation goals. The table below reflects the amount of the initial contract term.



<u>Respondent</u>	<u>Location</u> (city and state)	<u>Submittal</u> <u>Amount</u>
*Anixter, Inc.	Portland, OR	\$1,305,205.00
<b>Electrical Research &amp; Manufacturing Cooperative</b>	<b>Dyersburg, TN</b>	<b>\$1,335,928.00</b>
WESCO Distribution, Inc.	Portland, OR	\$1,351,289.89
*General Pacific, Inc.	Fairview, OR	\$1,557,917.00
*Non-responsive		

Pre-bid Estimate: \$1,500,000

The recommended award is 10.9 percent below the pre-bid estimate.

CONTRACT HISTORY: New contract.

EIC/LEAP COMPLIANCE: Not applicable.

**FISCAL IMPACT:**

**EXPENDITURES:**

FUND NUMBER & FUND NAME *	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT
Capital Outlay Budget			\$2,267,025.29
<b>TOTAL</b>			

**REVENUES:**

FUNDING SOURCE	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT
<b>TOTAL</b>			

FISCAL IMPACT TO CURRENT BIENNIAL BUDGET: \$0.00

ARE THE EXPENDITURES AND REVENUES PLANNED AND BUDGETED? Yes

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



Pre-Bid Estimate				1,500,000	Eaton		ERMCO		Power Partners		Howard		Current Contract Pricing (ERMCO) @ PPI 213.8	ERMCO Pricing % Diff from current contract
ITEM #	MID #	KVA	VOLTAGES	ESTIMATED 3 YR	Anixter		ERMCO		WESCO		General Pacific			
					Unit	Extended	Unit	Extended	Unit	Extended	Unit	Extended	Unit	
1	35774	15	7.2 1B - 120/240	250	\$620.00	\$155,000.00	\$640.00	\$160,000.00	\$646.32	\$161,580.00	\$631.00	\$157,750.00	\$628.43	2%
2	35775	25		350	\$740.00	\$259,000.00	\$780.00	\$273,000.00	\$735.79	\$257,526.50	\$792.00	\$277,200.00	\$757.27	3%
3	35777	50		100	\$1,120.00	\$112,000.00	\$1,085.00	\$108,500.00	\$1,086.32	\$108,632.00	\$1,245.00	\$124,500.00	\$1,132.27	-4%
4	35778	75		20	\$1,615.00	\$32,300.00	\$1,609.00	\$32,180.00	\$1,433.68	\$28,673.60	\$1,886.00	\$37,720.00	\$1,663.76	-3%
5	35783	15	7.2 2B - 120/240	24	\$645.00	\$15,480.00	\$682.00	\$16,368.00	\$657.89	\$15,789.36	\$730.00	\$17,520.00	\$668.15	2%
6	35784	25		60	\$765.00	\$45,900.00	\$808.00	\$48,480.00	\$750.53	\$45,031.80	\$979.00	\$58,740.00	\$778.75	4%
7	35786	50		40	\$1,135.00	\$45,400.00	\$1,172.00	\$46,880.00	\$1,098.95	\$43,958.00	\$1,412.00	\$56,480.00	\$1,170.92	0%
8	35787	75		9	\$1,630.00	\$14,670.00	\$1,701.00	\$15,309.00	\$1,452.63	\$13,073.67	\$2,119.00	\$19,071.00	\$1,683.09	1%
9	35788	100		25	\$2,345.00	\$58,625.00	\$2,224.00	\$55,600.00	\$2,091.58	\$52,289.50	\$2,623.00	\$65,575.00	\$2,177.40	2%
10	35789	167		3	\$3,200.00	\$9,600.00	\$3,345.00	\$10,035.00	\$3,696.84	\$11,090.52	\$4,593.00	\$13,779.00	\$3,167.59	6%
11	35795	25	7.2 2B - 240/480	6	\$795.00	\$4,770.00	\$776.00	\$4,656.00	\$773.68	\$4,642.08	\$1,090.00	\$6,540.00	\$799.15	-3%
12	35796	50		3	\$1,105.00	\$3,315.00	\$1,152.00	\$3,456.00	\$1,133.68	\$3,401.04	\$1,488.00	\$4,464.00	\$1,151.60	0%
13	35797	100		3	\$2,385.00	\$7,155.00	\$2,027.00	\$6,081.00	\$2,082.11	\$6,246.33	\$2,551.00	\$7,653.00	\$2,010.97	1%
14	35798	15	7.2 2B - 277	3	\$630.00	\$1,890.00	\$673.00	\$2,019.00	\$649.47	\$1,948.41	\$968.00	\$2,904.00	\$657.42	2%
15	35799	25		12	\$745.00	\$8,940.00	\$788.00	\$9,456.00	\$2,951.58	\$35,418.96	\$1,024.00	\$12,288.00	\$776.60	1%
16	35801	50		21	\$1,075.00	\$22,575.00	\$1,068.00	\$22,428.00	\$1,067.37	\$22,414.77	\$1,373.00	\$28,833.00	\$1,137.63	-6%
17	35802	75		9	\$1,500.00	\$13,500.00	\$1,484.00	\$13,356.00	\$1,338.95	\$12,050.55	\$2,076.00	\$18,684.00	\$1,490.89	0%
18	35803	100		9	\$2,130.00	\$19,170.00	\$1,979.00	\$17,811.00	\$2,064.21	\$18,577.89	\$3,287.00	\$29,583.00	\$1,962.65	1%
19	35804	167		3	\$2,660.00	\$7,980.00	\$2,805.00	\$8,415.00	\$3,375.79	\$10,127.37	\$5,478.00	\$16,434.00	\$2,993.76	-6%
20	35810	15	14.4 2B - 120/240	3	\$765.00	\$2,295.00	\$745.00	\$2,235.00	\$754.74	\$2,264.22	\$892.00	\$2,676.00	\$716.48	4%
21	35811	25		12	\$815.00	\$9,780.00	\$889.00	\$10,668.00	\$830.53	\$9,966.36	\$1,062.00	\$12,744.00	\$931.42	-5%
22	35813	50		6	\$1,165.00	\$6,990.00	\$1,251.00	\$7,506.00	\$1,196.84	\$7,181.04	\$1,578.00	\$9,468.00	\$1,256.82	0%
23	35814	75		3	\$1,675.00	\$5,025.00	\$1,888.00	\$5,664.00	\$1,480.00	\$4,440.00	\$2,335.00	\$7,005.00	\$1,822.67	4%
24	35815	100		1	\$2,530.00	\$2,530.00	\$2,301.00	\$2,301.00	\$2,666.32	\$2,666.32	\$2,832.00	\$2,832.00	\$2,330.94	-1%
25	35816	167		1	\$3,325.00	\$3,325.00	\$3,431.00	\$3,431.00	\$3,764.21	\$3,764.21	\$4,404.00	\$4,404.00	\$3,301.80	4%
26	35820	25	14.4 2B- 240/480	1	\$835.00	\$835.00	\$897.00	\$897.00	\$837.89	\$837.89	\$1,281.00	\$1,281.00	\$953.97	-6%
27	35821	50		1	\$1,160.00	\$1,160.00	\$1,221.00	\$1,221.00	\$1,238.95	\$1,238.95	\$1,532.00	\$1,532.00	\$1,231.05	-1%
28	35822	100		1	\$2,710.00	\$2,710.00	\$2,107.00	\$2,107.00	\$2,381.05	\$2,381.05	\$2,608.00	\$2,608.00	\$2,116.19	0%
29	35826	15	14.4 2B - 277	1	\$680.00	\$680.00	\$740.00	\$740.00	\$749.47	\$749.47	\$884.00	\$884.00	\$726.14	2%
30	35607	25		9	\$795.00	\$7,155.00	\$879.00	\$7,911.00	\$801.05	\$7,209.45	\$1,031.00	\$9,279.00	\$934.64	-6%
31	35609	50		9	\$1,125.00	\$10,125.00	\$1,203.00	\$10,827.00	\$1,188.42	\$10,695.78	\$1,468.00	\$13,212.00	\$1,214.94	-1%
32	35610	75		6	\$1,530.00	\$9,180.00	\$1,712.00	\$10,272.00	\$1,472.63	\$8,835.78	\$2,269.00	\$13,614.00	\$1,654.10	4%
33	35611	100		1	\$2,200.00	\$2,200.00	\$2,064.00	\$2,064.00	\$2,436.84	\$2,436.84	\$2,619.00	\$2,619.00	\$2,109.75	-2%
34	35612	167		1	\$2,745.00	\$2,745.00	\$2,976.00	\$2,976.00	\$3,365.26	\$3,365.26	\$3,711.00	\$3,711.00	\$3,034.58	-2%
35	57010	15	7.2 1B - 120/240	75	\$680.00	\$51,000.00	\$691.00	\$51,825.00	\$683.16	\$51,237.00	\$747.00	\$56,025.00	\$700.36	-1%
36	57013	25		150	\$810.00	\$121,500.00	\$843.00	\$126,450.00	\$786.32	\$117,948.00	\$942.00	\$141,300.00	\$833.50	1%
37	57014	50		50	\$1,215.00	\$60,750.00	\$1,261.00	\$63,050.00	\$1,160.00	\$58,000.00	\$1,544.00	\$77,200.00	\$1,294.40	-3%
38	57015	75		10	\$1,750.00	\$17,500.00	\$1,797.00	\$17,970.00	\$5,024.21	\$50,242.10	\$2,455.00	\$24,550.00	\$1,826.97	-2%
39	57016	15	7.2 2B - 120/240	6	\$700.00	\$4,200.00	\$729.00	\$4,374.00	\$744.21	\$4,465.26	\$935.00	\$5,610.00	\$735.79	-1%
40	57017	25		10	\$835.00	\$8,350.00	\$868.00	\$8,680.00	\$853.68	\$8,536.80	\$1,188.00	\$11,880.00	\$854.98	2%
41	57018	50		10	\$1,230.00	\$12,300.00	\$1,294.00	\$12,940.00	\$1,293.68	\$12,936.80	\$1,817.00	\$18,170.00	\$1,328.75	-3%
42	57019	75		3	\$1,770.00	\$5,310.00	\$1,943.00	\$5,829.00	\$1,615.79	\$4,847.37	\$2,795.00	\$8,385.00	\$1,972.99	-2%
43	57020	100		6	\$2,615.00	\$15,690.00	\$2,440.00	\$14,640.00	\$2,282.11	\$13,692.66	\$3,375.00	\$20,250.00	\$2,445.82	0%
44	57021	167		3	\$3,560.00	\$10,680.00	\$3,607.00	\$10,821.00	\$3,961.05	\$11,883.15	\$5,116.00	\$15,348.00	\$3,584.20	1%
45	57022	25	7.2 2B - 240/480	3	\$865.00	\$2,595.00	\$836.00	\$2,508.00	\$881.05	\$2,643.15	\$1,255.00	\$3,765.00	\$876.46	-5%
46	57023	50		3	\$1,205.00	\$3,615.00	\$1,284.00	\$3,852.00	\$1,308.42	\$3,925.26	\$1,775.00	\$5,325.00	\$1,313.73	-2%



47	57024	100	3 - 80 7.2 2B - 277	3	\$2,815.00	\$8,445.00	\$2,230.00	\$6,690.00	\$2,567.37	\$7,702.11	\$3,033.00	\$9,099.00	\$2,298.73	-3%
48	57025	15		3	\$680.00	\$2,040.00	\$720.00	\$2,160.00	\$735.79	\$2,207.37	\$1,088.00	\$3,264.00	\$731.50	-2%
49	57026	25		3	\$820.00	\$2,460.00	\$848.00	\$2,544.00	\$837.89	\$2,513.67	\$1,278.00	\$3,834.00	\$853.91	-1%
50	57027	50		6	\$1,170.00	\$7,020.00	\$1,208.00	\$7,248.00	\$1,251.58	\$7,509.48	\$1,834.00	\$11,004.00	\$1,309.44	-8%
51	57028	75		3	\$1,655.00	\$4,965.00	\$1,711.00	\$5,133.00	\$1,630.53	\$4,891.59	\$2,678.00	\$8,034.00	\$1,790.46	-4%
52	57029	100		3	\$2,375.00	\$7,125.00	\$2,190.00	\$6,570.00	\$2,633.68	\$7,901.04	\$3,933.00	\$11,799.00	\$2,277.26	-4%
53	57030	167		3	\$3,065.00	\$9,195.00	\$3,190.00	\$9,570.00	\$3,575.79	\$10,727.37	\$4,629.00	\$13,887.00	\$3,372.78	-5%
54	57031	15	14.4 2B - 240/480	3	\$820.00	\$2,460.00	\$814.00	\$2,442.00	\$805.26	\$2,415.78	\$1,024.00	\$3,072.00	\$800.22	2%
55	57032	25		6	\$890.00	\$5,340.00	\$986.00	\$5,916.00	\$895.79	\$5,374.74	\$1,283.00	\$7,698.00	\$980.61	1%
56	57033	50		3	\$1,290.00	\$3,870.00	\$1,369.00	\$4,107.00	\$1,349.47	\$4,048.41	\$1,874.00	\$5,622.00	\$1,407.14	-3%
57	57034	75		3	\$1,810.00	\$5,430.00	\$2,062.00	\$6,186.00	\$1,671.58	\$5,014.74	\$2,725.00	\$8,175.00	\$2,099.69	-2%
58	57035	100		1	\$2,790.00	\$2,790.00	\$2,501.00	\$2,501.00	\$2,886.32	\$2,886.32	\$3,334.00	\$3,334.00	\$2,587.56	-3%
59	57036	167		1	\$3,635.00	\$3,635.00	\$3,698.00	\$3,698.00	\$4,015.79	\$4,015.79	\$5,085.00	\$5,085.00	\$3,705.52	0%
60	57037	25	14.4 2B- 240/480	1	\$910.00	\$910.00	\$943.00	\$943.00	\$902.11	\$902.11	\$1,569.00	\$1,569.00	\$987.05	-4%
61	57038	50		1	\$1,265.00	\$1,265.00	\$1,348.00	\$1,348.00	\$1,322.11	\$1,322.11	\$1,813.00	\$1,813.00	\$1,385.67	-3%
62	57039	100		1	\$3,035.00	\$3,035.00	\$2,310.00	\$2,310.00	\$2,600.00	\$2,600.00	\$3,093.00	\$3,093.00	\$2,374.97	-3%
63	57040	15	14.4 2B - 277	1	\$745.00	\$745.00	\$804.00	\$804.00	\$811.58	\$811.58	\$1,021.00	\$1,021.00	\$810.96	-1%
64	57041	25		3	\$870.00	\$2,610.00	\$925.00	\$2,775.00	\$863.16	\$2,589.48	\$1,264.00	\$3,792.00	\$978.46	-5%
65	57042	50		3	\$1,235.00	\$3,705.00	\$1,327.00	\$3,981.00	\$1,275.79	\$3,827.37	\$1,846.00	\$5,538.00	\$1,369.56	-3%
66	57043	75		3	\$1,685.00	\$5,055.00	\$1,887.00	\$5,661.00	\$1,616.84	\$4,850.52	\$2,745.00	\$8,235.00	\$1,942.93	-3%
67	57044	100		1	\$2,500.00	\$2,500.00	\$2,274.00	\$2,667.37	\$2,667.37	\$3,096.00	\$3,096.00	\$2,379.26	-4%	
68	57045	167		1	\$3,110.00	\$3,110.00	\$3,278.00	\$3,278.00	\$3,648.42	\$3,648.42	\$4,458.00	\$4,458.00	\$3,446.87	-5%
				Pre-Evaluated Total		\$1,305,205.00		\$1,335,928.00		\$1,351,289.89		\$1,557,917.00		-0.2%
				Pre Evaluated Bid Order		1		2		3		4		Average MO
				% Diff from Low Bid		0%		2%		-13%		0%		-2.3%
				% Diviation from Estimate		-13%		-11%		-10%		4%		Average NE
				Prompt Payment Discount	No	0%	No	0%	No	0%	No	0%		
				Final Bid Order		Non-Responsive		1		2		Non-Responsive		
Total				1391										
Exceptions					Orders subject to Eaton T&C's, Cannot meet overall height requirement on larger kVA's, exception taken to quarterly price adjustment			None		Anodized aluminum nameplate in place of stainless-steel		Exception taken to liquidated damages. Item 4 and 17 exceed maximum allowed weight.		
Red = Non responsive Exception														
Yellow = Reccommended Award														



RESOLUTION NO.: U-11224  
ITEM NO.: 2  
MEETING DATE: DECEMBER 9, 2020

**TO:** Board of Contracts and Awards  
**FROM:** Tenzin Gyaltsen, Power Section Manager, Joe Tellez, Chief Technology Officer;  
Utility Technology Services, Andre Pedefferri, Advanced Metering Program  
Manager, Utility Technology Services  
**COPY:** Public Utility Board, Director of Utilities, Board Clerk, SBE Coordinator, LEAP  
Coordinator, and Seth Hartz, Finance/Purchasing  
**SUBJECT:** Customer Engagement Portal Consulting Services, Contract C1028 – December  
9, 2020  
**DATE:** November 19, 2020

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**RECOMMENDATION SUMMARY:**

Power / Utility Technology Services / Advanced Metering Infrastructure (AMI) Program requests approval to increase Contract C1028 to eSource Companies LLC (formerly Excergy Corporation) of Denver, CO, by \$243,333.00 plus applicable taxes for Customer Engagement Portal (CEP) consulting services to support CEP project management, engineering, development, deployment, and testing. This increase will bring the contract to a cumulative total of \$962,014.00, plus any applicable taxes, for the year 2021.

**STRATEGIC POLICY PRIORITY:**

- Ensure all Tacoma residents are valued and have access to resources to meet their needs.
- 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:**

In 2020, Excergy Corporation (now eSource Companies LLC) was given the contract through a waiver for direct negotiation SR2019293985 under resolution U-11123 wherein the consultant worked to complete the CEP RFP that was awarded to Milestone Utility Services Inc and all the contracts completed and approved by the Public Utility Board on 11/18/2020. Now the work moves to CEP implementation and roll-out. The CEP provides a convenient method for customers to monitor and control their energy and water consumption and is an essential part of the advanced metering project. Doing the project implementation right is one of our highest priorities. Engaging with an experienced consultant as the AMI Program sets up and implements the portal framework is essential to ensuring that it is successfully implemented at the lowest possible cost, and remains on schedule to meet the mass meter deployment timeline.

**ISSUE:** AMI project staff are working to keep the mass meter deployment on schedule, which includes the CEP functionality that brings capabilities and services to our customers.

**ALTERNATIVES:** UTS is not considering alternatives because CEP is complementary to AMI. Time is of the essence, and further leveraging eSource (formerly Excergy Corporation) for this complementary phase of the project is an appropriate course of action given the circumstance..



### COMPETITIVE ANALYSIS:

Roll-out is to begin immediately. Going out for competitive solicitation and bringing a new supplier up-to-speed on project goals would increase the cost and delay the planning more than six months. We believe the onboarding of a new contractor and subsequent planning delays would put the project success at risk and increase the overall project costs. Utilizing experienced and knowledgeable resources already hired for the project is the most cost effective approach resulting in the highest probability of success.

CONTRACT HISTORY: New Contract

SBE/LEAP COMPLIANCE: Not applicable

### FISCAL IMPACT:

#### EXPENDITURES:

FUND NUMBER & FUND NAME *	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT
4700- Power			73% \$177,633.09
4600-Water			27% \$65,699.91
<b>TOTAL</b>			

#### REVENUES:

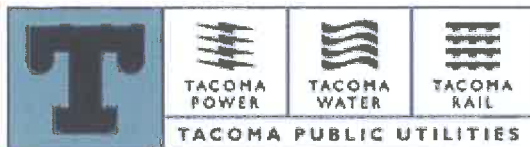
FUNDING SOURCE	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT
Not Applicable			
<b>TOTAL</b>			

FISCAL IMPACT TO CURRENT BIENNIAL BUDGET: \$0

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-11224  
ITEM NO.: 3  
MEETING DATE: DECEMBER 9, 2020

**TO:** Board of Contracts and Awards  
**FROM:** Chris Robinson, Power Superintendent/COO  
Chris Mattson, Generation Manager  
David Wagner, Generation Project Manager  
**COPY:** Public Utility Board, Director of Utilities, Board Clerk, EIC Coordinator, LEAP Coordinator, and Samol Hefley, Finance/Purchasing  
**SUBJECT:** Professional Services Contract,  
Architectural and Engineering (A&E) Roster – December 9, 2020  
**DATE:** November 20, 2020

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**RECOMMENDATION SUMMARY:**

Tacoma Power recommends a contract be awarded to **HDR Engineering, Inc.**, Bellevue, WA, for Owner's Engineer Services to support the Cushman 2 Unit 31, 32 Rebuild Project ("Project"), in the amount of \$867,860, plus applicable taxes.

**BACKGROUND:**

Tacoma Power is embarking on the second hydro unit overhaul project as part of a program to overhaul several units. Hydro unit overhaul projects are highly complex and technical in nature and require expertise the City does not have in house.

**ISSUE:** The purpose of the Project is to extend the service life of the machines an additional 35 years, increase generator ratings by 10%, and implement synchronous condense operation on each unit which increases operating flexibility allowing Tacoma's clean hydro generators to better respond to intermittent renewable energy resources such as wind and solar.

The two generators were last rewound in 1975 and 1977, and the turbine runners were replaced in the mid-1990s. Tacoma Power needs the experience and expertise of a firm well-versed in hydroelectric turbine-generator rehabilitation to provide Owner's Engineer services during procurement, design, manufacturing, construction and commissioning of this highly technical and complex project. The last project of this nature completed by Tacoma Power was in 2010 and Tacoma does not have staff that are experienced with the modern technical aspects of projects of this nature. Tacoma Power anticipates coming to the Board in the third quarter of 2021 with a recommendation to award a contract to a Design-Build firm for the Project.

**ALTERNATIVES:** The alternative is to create and fill new positions with the required knowledge, experience and expertise. This alternative is not feasible because multiple senior positions with very specialized skill sets would be required and these positions are too difficult and costly to fill.

**COMPETITIVE SOLICITATION:**

Five (5) firms from the City's Architectural and Engineering (A&E) Roster were identified as generally qualified to perform the work and were invited to submit an updated, project-specific Statement of Qualifications (SOQ) for the Project. Four (4) SOQs were received. As part of evaluation of the SOQs, the Selection Advisory Committee interviewed the top two (2) firms. Below is the ranking for all five firms.



<u>Respondent</u>	<u>Location</u> (city and state)	<u>Rank</u>
HDR Engineering, Inc.	Bellevue, WA	1
Stantec Consulting Services Inc.	Bellevue, WA	2
Black & Veatch Corp.	Lake Oswego, OR	3
WSP USA Inc.	Portland, OR	4
McMillen Jacobs*	Seattle, WA	5

\* Did not submit updated, project-specific SOQ. SOQ on file was used for evaluation.

CONTRACT HISTORY: New contract.

EIC/LEAP COMPLIANCE: Not applicable.

#### FISCAL IMPACT:

The recommended contract award to HDR Engineering, Inc. for \$867,860 is 2.9% of the overall project estimate of \$29,334,000. Of the total project estimate, \$4,250,000 is included in the 2021/2022 Budget.

#### EXPENDITURES:

FUND NUMBER & FUND NAME *	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT
4700 – Power Fund 2021/2022	PWR-01085	6311218	\$654,900
4700 – Power Fund 2023/2024	PWR-01085	6311218	\$212,960
<b>TOTAL</b>			<b>\$867,860</b>

\* General Fund: Generation

#### REVENUES:

FUNDING SOURCE	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT
<b>TOTAL</b>			

FISCAL IMPACT TO CURRENT BIENNIAL BUDGET: \$654,900

ARE THE EXPENDITURES AND REVENUES PLANNED AND BUDGETED? Yes

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