

RESOLUTION NO. U-11187

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/proposals for the purchase of certain materials, supplies, equipment and/or the furnishing of certain services, or proposes to purchase off an agreement previously competitively bid and entered into by another governmental entity, or for the sales of surplus, or desires to increase and/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/proposals (or prices from another governmental agreement) were received, all as evidenced by Exhibit "A," and

WHEREAS the Board of Contracts and Awards and/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, and/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," and

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:	
••	Chair /s/ City Attorney Secretary
/s/	
Chief Deputy City Attorney	Secretary
	Adopted
Clerk	



RESOLUTION NO.: U-1/187

ITEM NO.:

MEETING DATE:

AUGUST 26, 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 Alex Clark, Finance/Purchasing

SUBJECT:

Distribution Wood Poles - 35 FT to 60 FT

Request for Bids Specification No. PT20-0066F - August 26, 2020

DATE:

August 12, 2020

RECOMMENDATION SUMMARY:

Tacoma Power recommends a contract be awarded to Stella-Jones Corporation, Tacoma, WA, for the purchase of treated wood poles on an as-needed basis, in the amount of \$2,476,823.88, 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 \$4,285,000.00.

BACKGROUND:

This contract is for the supply of wood poles 35 feet through 60 feet in length on an as needed basis. Wood poles are managed by the Power Warehouse as an inventory material. Usage includes requirements for new construction, maintenance, relocation of distribution lines, and pole replacements required by the wood pole inspection and treatment program.

ISSUE: Distribution wood poles required by our wood pole inspection and treatment program has reached approximately 75 to 80 poles per month. Road improvements, new construction, and re-string projects are also necessitating consistent usage of replacement and new 35 feet through 60 feet poles.

ALTERNATIVES: Tacoma Power could forego awarding a contract and purchase distribution wood poles on a one-time, as needed basis. This would require numerous solicitations significantly impacting internal resources, potentially increasing costs, and negatively effecting service time and project timelines.

COMPETITIVE SOLICITATION:

Request for Bids Specification No. PT20-0066F was opened June 30, 2020. Four companies were invited to bid in addition to normal advertising of the project. One submittal was received.

Stella-Jones Corporation 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.

Respondent

Location

Submittal Amount

Stella-Jones Corporation

Tacoma, WA

\$2,476,823.88

Pre-bid Estimate: \$2,880,000.00

The recommended award is 14 percent below the pre-bid estimate.

Revised: 05/08/2020

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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			\$4,285,000.00
TOTAL			

REVENUES:

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

FISCAL IMPACT TO CURRENT BIENNIAL BUDGET: \$206,401.99

ARE THE EXPENDITURES AND REVENUES PLANNED AND BUDGETED? Yes

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

Revised: 05/08/2020

Tacoma Power Transmission and Distribution Bid Tabulation

Description: Distribution Wood Poles - 35FT to 60FT

Specification No. PT20-0066F Submittal Deadline: June 30, 2020

					Stella-Jones Corporation		
Item	Description	Unit	Quantity	Unit Price	Amount		
1	35 FT Pole - Class 4	EA	1	\$516.26	\$516.26		
2	35 FT Pole - Class 3	EA	1	\$596.33	\$596.33		
3	35 FT Pole - Class 2	EA	330	\$641.94	\$211,840.20		
4	40 FT Pole - Class 2	EA	75	\$778.75	\$58,406.25		
5	40 FT Pole - Class 1	EA	1	\$960.32	\$960.32		
6	40 FT Pole - Class H1	EA	1	\$1,568.00	\$1,568.00		
7	45 FT Pole - Class 2	EA	1,800	\$928.26	\$1,670,868.00		
8	45 FT Pole - Class 1	EA	1	\$1,148.87	\$1,148.87		
9	45 FT Pole - Class H1	EA	1	\$1,500.97	\$1,500.97		
10	45 FT Pole - Class H2	EA	1	\$1,598.29	\$1,598.29		
11	50 FT Pole - Class 2	EA	250	\$1,097.77	\$274,442.50		
12	50 FT Pole - Class 1	EA	1	\$1,359.19	\$1,359.19		
13	50 FT Pole - Class H1	EA	1	\$1,722.60	\$1,722.60		
14	50 FT Pole - Class H2	EA	1	\$1,843.48	\$1,843.48		
15	55 FT Pole - Class 2	EA	80	\$1,270.37	\$101,629.60		
16	55 FT Pole - Class 1	EA	20	\$1,515.33	\$30,306.60		
17	55 FT Pole - Class H1	EA	1	\$1,971.89	\$1,971.89		
18	55 FT Pole - Class H2	EA	1	\$2,162.47	\$2,162.47		
19	60 FT Pole - Class 2	EA	60	\$1,507.28	\$90,436.80		
20	60 FT Pole - Class 1	EA	10	\$1,729.36	\$17,293.60		
21	60 FT Pole - Class H1	EA	1	\$2,214.07	\$2,214.07		
22	60 FT Pole - Class H2	EA	1	\$2,437.59	\$2,437.59		



RESOLUTION NO.: U-11187

ITEM NO.:

2

MEETING DATE:

AUGUST 26, 2020

TO:

Board of Contracts and Awards

FROM:

Tenzin Gyaltsen, Power Section Manager, Power Utility Technology Services

Andre Pedeferri, Power Section Assistant Manager, Power Utility Technology

Services

COPY:

Public Utility Board, Director of Utilities, Board Clerk, SBE Coordinator, LEAP

Coordinator, and Seth Hartz, Finance/Purchasing

SUBJECT:

Advanced Meter Infrastructure Electric Meter and Water Meter Installation

Request for Proposals Specification No. PI19-0012F, Contract Workspace

CW2236194 - August 26, 2020

DATE:

July 30, 2020

RECOMMENDATION SUMMARY:

Tacoma Power, Utility Technology Services recommends a City Master Business & Services Agreement and Statement of Work contract be awarded to Tribus Services, Inc. of Wauwatosa, WI, for Advanced Metering Infrastructure Electric and Water Meter Installation, in the amount of \$14,883,573.00, plus applicable taxes. The amount includes optional Water and Electric Meter work, and an amount for contingency. The initial contract term is two (2) years with the option to renew for one (1) additional year term. The request includes a Master Business and Services Agreement and a Meter Installation Statement of Work. The Meter Installation portion represents 18.2% or \$14,883,573.00 of the total Advanced Meter Infrastructure program budget of \$81,765,443.

BACKGROUND:

The AMI Program consists of implementing an advanced metering infrastructure throughout the Tacoma Public Utilities' service area with advanced meters for both power and water services. Approving this contract allows TPU to start meter installation required for the implementation phases of the program, including the repair, replacement, geolocation capture, and reading of advance meters.

ISSUE: The existing power and water infrastructure is aging and inefficient. Advanced meters will replace an aging infrastructure and infuse technology that will fundamentally transform TPU's relationship with its customers, enabling them to become engaged water and power consumers. The Advanced Metering Infrastructure program forms the critical and essential technology foundation to enhance power and water services to all customers that over time will provide near real-time information so customers can manage their usage, control their costs, monitor their payments, and help the environment. Power and water operational benefits will result in higher reliability and system efficiency.

ALTERNATIVES: Tacoma Public Utilities could continue to use non-communicating power and water meters that require manual reading. The current electromechanical meters TPU uses are obsolete and are no longer being manufactured. Continuing to use non-AMI meters will leave TPU outside of the technology standards already implemented by more than half of all U.S. utilities and unable to provide enhanced utility services many customers are requesting and expect to be available. Non-communicating meters also prevent TPU from realizing the operational improvements now commonly in practice in the Utility industry.



COMPETITIVE SOLICITATION:

Request for Proposals Specification No. PI19-0012F was opened June 11, 2019. 12 companies were invited to competitively bid in addition to normal advertising of the project. 5 responsive submittals were received and evaluated.

Tribus Services Inc submitted a bid that was evaluated and scored the highest by the selection advisory committee. The table below reflects the score of the base award.

Respondent (RFP)	Location (city and state)	Score
Tribus Services Inc Aclara Elster Solutionss LLC (Honeywell) Ferguson Anixter	Wauwatosa, WI	71.961 64.966 60.846 50.096 43.794

Pre-bid Estimate: \$14,000,000.00.

The recommended award is Six (6) percent above the pre-bid estimate.

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%)	10000125609	5310100	\$10,865,008.29		
4600 Water (27%)	10000125609	5230100	\$4,018,564.71		
TOTAL					

REVENUES: N/A

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



FISCAL IMPACT TO CURRENT BIENNIAL BUDGET: \$ 0 Project projected to begin in January 2021

ARE THE EXPENDITURES AND REVENUES PLANNED AND BUDGETED? Yes

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

Summary

Solution	Aciero	Antidar	Honeywell	Ferguson	Tribus
Qualifications/Experience of Firm	38	19	28	20	36
Qualifications/Experience of Key Personnel/Project Team	35	19	26	20	32
Fees and Charges / Value	18	18	27	27	38
Submittai Quality, Organization, Completeness	36	21	28	16	38
MIV General Services and Responsibilities	1136	1003	1111	877	1174
MIV Electric Services and Responsibilities	407	411	397	347	418
MIV Water Services and Responsibilities	374	0	349	321	370
Meter Reading Services	30	0	29	18	30
(Second	2074	1491	1995	1646	2132
	2	5	3	1 4	1

Summary - Scaled Scores (As Percent of Possible Points)

nts	Actors	Anbder	Honeywell	Forguson	Tribus
Qualifications/Experience of Firm	84 444	42.222	62,222	44,444	80.000
Qualifications/Experience of Key					
Personnel/Project Team	77 778	42.222	57.778	44 444	71.111
Fees and Charges / Value	40,000	40.000	60.000	60 000	80 000
Submittal Quality, Organization, Completeness	80,000	46.667	62.222	35 556	80 000
MIV General Services and Responsibilities	64.729	57.151	63 305	49.972	66 896
MIV Electric Services and Responsibilities	60.296	60.889	58.815	51.407	61 928
MIV Water Services and Responsibilities	63 932	0.000	59.658	54,872	63 248
Meter Reading Services	68 667	0.000	64 444	40.000	66 667
Total Scope of Work Response Form	63 627	46 209	61 634	51 078	65 098

Proposal Summary - Raw Scores

		Acia	ta l			Honeywell		Ferguson		Tribus	
Category	Percent	Total Score	Pinel	Score	Final	Total Score	Final	Fotal Score	Final	Total Score	Final
Qualifications/Experience of Firm	15%	38	5.700	19	2 850	28	4.200	20	3 000	36	5.400
Qualifications/Experience of Key Personnel/Project Team	15%	35	5.250	19	2.850	26	3.900	20	3 000	32	4.800
ees and Charges / Value	20%	18	3 600	18	3.600	27	5 400	27	5 400	0	0.000
Submittal Quality, Organization, Completeness	5%	36	1.800	21	1.050	28	1.400	16	0.800	36	1.800
Scope of Work Response Form	45%	1947	876.150	1414	636 300	1886	848.700	1563	703 350	1992	896.40
Total	100%	2074	882,600	1491	648.950	1995	863,860	1546	715.860	2000	908.600
tank			2		5		3		4		

Final	Rank
892.500	2
646 650 863,600	3
715.550	4
908.400	1

Vendor	BAC 1	BAC 2	BAC 3	SAC 4	SAC 5	SAC 6	SAC 7	SAC 8	SAC 8
Aciara	301	264	215	230	222	216	200	209	217
Anixter	219	181	123	155	172	165	158	153	165
Honeywell	283	201	210	206	223	219	202	225	226
Ferguson	219	177	154	156	170	183	202	191	194
Tribus	272	230	250	228	227	225	245	228	226

Proposal Summary - Scaled Scores

		Aniara		Amixter		Hopaywell		Ferguson I		Tribus	
Category	Percent	Total Score	Final	Total Score	Final	Score	Final	Total Score	Final	Total Score	Float
Qualifications/Experience of Firm	15%	84 444	12.667	42.222	6,333	62.222	9.333	44.444	6.667	80.000	12.000
Qualifications/Experience of Key Personnel/Project Team	15%	77.778	11.667	42 222	6.333	57.778	8.667	44.444	6.667	71.111	10.667
Fees and Charges / Value	20%	40 000	8.000	40.000	8 000	60,000	12 000	60.000	12.000	80.000	16.000
Submittal Quality, Organization, Completeness	5%	80,000	4.000	46,667	2.333	62.222	3.111	35,556	1.778	80.000	4.000
Scope of Work Response Form	45%	63 627	28 632	46.209	20.794	61,634	27,735	51.078	22 985	65.098	29,294
i l'ossi	100%	346	64,965	217	43.794	304	60,848	236	50,098	376	71,981
Flores			2		5	-	3		4		

Final	Rank
64.966	
43 794	
60.846	
50.096	
71,961	



RESOLUTION NO.: 11-11187

ITEM NO.:

7.

MEETING DATE:

AUGUST 26, 2020

TO:

Board of Contracts and Awards

FROM:

Tenzin Gyaltsen, Power UTS Section Manager

Terry Gifford, Section Manager Assistant, Power UTS

COPY:

Public Utility Board, Director of Utilities, Board Clerk, EIC Coordinator, LEAP

Coordinator, and Seth Hartz, Finance/Purchasing

SUBJECT:

Monarch Software Upgrade to the EMS, plus EIM Implementation and Open IA

Configuration

Waiver for Direct Negotiation Specification No. SR2352472575, Contract No.

CW2235791 - August 26, 2020

DATE:

August 6, 2020

RECOMMENDATION SUMMARY:

Power Utility Technology Services requests approval to increase Contract No. 4600014272, to Open Systems International, Inc. (OSI) of Medina, MN, by \$172,200, plus any applicable taxes, for implementation of Energy Management System (EMS) software components required to participate in the Western Energy Imbalance Market (EIM) as additional scope of the EMS Software Upgrade. This increase will bring the contract to a cumulative total of \$666,140, plus any applicable taxes.

BACKGROUND:

Under an approved waiver for direct negotiation, Contract No. 4600014272 for \$493,940 was awarded to OSI to conduct a software upgrade and purchase additional software licensing for the EMS system. It was determined later that additional configuration is necessary for TPU to join the Western EIM including OpenIA configuration. This addition will result in an increase to the contract in the amount of \$172,200. This increases in the contract amount to \$666,140.00 necessitates Public Utility Board approval.

ISSUE: Tacoma Power utilizes an OSI MonarchTM SCADA/EMS system to operate electric power generation and transmission system assets as well as perform tasks required to meet the obligations of a Balancing Authority within the western interconnection. The EMS uses the OSI software version from 2017 when the system was built. The 2017 version of the software does not support an EIM implementation. In order to enable TPU to join the Western EIM, the EMS software must be upgraded to its latest version. This upgrade is also required by the OSI software support lifecycle to continue receiving support under the software maintenance agreement.

ALTERNATIVES: Because of the real-time nature of the Western EIM, participation within the market requires integration between the EMS and the market Automated Dispatching System to receive and respond to market signals, there are no real cost effective alternatives to the recommended approach. Other more financially and operationally riskier approaches could be for TPU to develop its own custom integration software either through a professional services contract with a third-party developer or through custom development by staff. These alternative approaches would be very difficult to complete within the timeline required by the EIM implementation contract between TPU and CAISO. These alternative approaches would also



result in custom software components that would be more susceptible to failure, which could result in market fines and higher support costs.

COMPETITIVE ANALYSIS:

The OSI MonarchTM SCADA/EMS software was purchased and implemented by OSI under an earlier implementation contract. The professional services to perform the software upgrade and additional software licensing with this supplier was negotiated as a new contract. It was not cost effective or feasible to solicit the professional services portion of this work to a new and different supplier without impacting the solution as a whole.

CONTRACT HISTORY: The original contract for Software upgrade was approved under waiver for direct negotiation in June 2020. At that time, the amount was under \$500,000 and did not require Public Utility Board approval. This additional configuration to the software needed to add EIM has caused the contract amount to exceed the \$500,000 threshold and therefore now requires Public Utility Board approval.

EIC/LEAP COMPLIANCE: Not Applicable

FISCAL IMPACT:

EXPENDITURES:

FUND NUMBER & FUND NAME *	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT
4700 Power	PWR-01047	5310100	\$172,200
TOTAL			\$172,200

REVENUES:

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

FISCAL IMPACT TO CURRENT BIENNIAL BUDGET: \$86,100

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.: 11-11187

ITEM NO.:

MEETING DATE:

AUGUST 26, 2020

TO:

Board of Contracts and Awards

FROM:

Tenzin Gyaltsen, Power UTS Section Manager

John Zwosta. Power Engineer III. Power Net & Comm Transport System

COPY:

Public Utility Board, Director of Utilities, Board Clerk, EIC Coordinator, LEAP

Coordinator, and Seth Hartz, Finance/Purchasing

SUBJECT:

Dark Fiber Indefeasible Rights of Use for Cushman and Cowlitz generation sites

Waiver for Sole Source Specification No. SR2467663988, Contract No.

CW2237871 August 26, 2020

DATE:

August 6, 2020

RECOMMENDATION SUMMARY:

Power Utility Technology Services (UTS) requests a waiver of competitive procurement procedures and recommends that a contract be awarded to Zayo Group, LLC, 20829 72nd Ave, Kent, WA 98032, for Dark Fiber Indefeasible Rights of Use and monthly maintenance to meet increased demand for bandwidth and data connectivity at Tacoma Power's Cushman and Cowlitz generation sites for a term of ten (10) years, in the amount of \$727,918.00, plus any applicable taxes.

BACKGROUND:

Tacoma Power manages hydro projects in remote locations around western Washington. Currently, data connections to the Cowlitz and Cushman hydro projects is provided through Tacoma Power's microwave network, which has a limited bandwidth. In the last few years, the demand for additional capacity has increased as new technologies have been deployed and Tacoma Power's business requirements have evolved. This fiber connection provides diverse data routes which will increase bandwidth while significantly improving network resiliency.

This agreement is for one segment of fiber connectivity from TPU Administration Building North to Olympia. Connectivity from Olympia to the projects is part of a separate agreement with Jamestown Networks. This is an indefeasible rights of use (IRU) agreement, which is a permanent contractual agreement that cannot be undone for the life of the contract and will become a TPU asset.

ISSUE: Tacoma Power has seen a significant increase in bandwidth utilization at these remoted sites due to the implementation of new technologies, including security access control and monitoring systems, historian data systems and system management. Recently, TPU has also implemented remote collaboration tools, including Office 365, Microsoft Teams, SharePoint, etc. that utilize already constrained capacity. Additionally, there is a desire to expand network redundancy on critical circuits by providing an alternative data path in case of a catastrophic event.

ALTERNATIVES: As part of the current WAN upgrade project, the Network Communications Engineer has been working on identifying the most feasible solution for increasing bandwidth to the Cushman and Cowlitz hydro projects. The estimated cost to run TPU owned fiber to these remote sites would run well into the millions of capital dollars, and would take years of



negotiations with various organizations and counties for right of way usage, in addition to reoccurring costs for use of land, poles, etc.

The last two years have been spent negotiating a limited number of fiber carriers in the region to identify a feasible and cost effective data path. Once identified, and counter parties were in agreement, terms were negotiated. This agreement provides data from TPU Administration Building North to a point in Olympia. From there, TPU will interconnect that fiber with fiber from the projects, provided by Jamestown Networks.

COMPETITIVE ANALYSIS:

There are limited fiber providers in the region. Zayo is the owner of the right of way to support communication lines to Cushman and Cowlitz facilities. They are the only supplier of these dark fiber lines in this area.

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
4700 Power	PWR-01038-06-003		\$587,518
4700 Power	563200		\$140,400
TOTAL			

^{*} General Fund: Include Department

REVENUES:

FUNDING SOURCE	COST OBJECT (CC/WBS/ORDER)	Cost ELEMENT	TOTAL AMOUNT
		-	
TOTAL			

FISCAL IMPACT TO CURRENT BIENNIAL BUDGET: \$ 592,198

ARE THE EXPENDITURES AND REVENUES PLANNED AND BUDGETED? Yes

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