

Action: Approved | Denied | Other
 Date Action Taken: June 27, 2022
 Verified By: [Signature]
 Clerk's Note: N/A

**City of Wasilla
 Action Memorandum No. 22-18**

Contract Award To Tec Pro, LLC In The Amount Of \$430,954 For The Purchase And Installation Of Electrical Components For The Richmond Hills Booster Station Project.

Originator: April Dwyer, Purchasing
 Date: 6/15/2022

Agenda of: 6/27/2022

Route to:	Department Head	Signature	Date
X	Public Works Director	<u>[Signature]</u>	6/15/2022
X	Finance Director	<u>[Signature]</u>	6/15/2022
X	Deputy Administrator	<u>[Signature]</u>	
X	City Clerk	<u>[Signature]</u>	6/16/2022
X	Mayor	<u>[Signature]</u>	6/16/22

Fiscal Impact: yes or no

Funds Available: yes or no

Account name/number/amount:

Construction Services/ARPA NEU Water 320.4369.436.45.72 \$430,954

Attachments: Tec Pro Proposal (4 pages)

Summary Statement: This contract award is in accordance with WMC 5.08.140 Sole source procurement to Tec Pro, LLC. The Tec Pro proposal includes coding, controls, report, and system alarms for this upgrade for the Richmond Hills Booster Station Project. The new components for the upgrade need to communicate with the old components at the existing Booster Station. The electronic components previously installed has coding written by Tec Pro. Awarding this contract to Tec Pro will allow the old system and new system to communicate and operate as a redundant system.

Staff Recommendation: Approve the Action Memorandum 22-18

City of Wasilla
Richmond Hills Booster Station
Early Package 1 – Electrical and Integration Services

The City of Wasilla (City, aka Owner) has selected TecPRO LLC to provide the needed products and services to support the forthcoming *Richmond Hills Booster Station and Site Improvements* (RHBS). TecPRO LCC products and services are identified as **Early Package 1 – Electrical and Integration Services** (EP1). Project location is at 930 S Enterprise Street, Wasilla, AK.

The RHBS is a separate project to be subsequently executed by a general contractor under a separate agreement with the City. The City's intention is to have the RHBS project completed by June 15, 2023. The City is also soliciting a booster pumping system, identified as Early Package 2 (EP2) and standby generator, identified as Early Package 3 (EP3) that are to be Owner-furnished and installed by the RHBS general contractor.

Technical documents are enclosed with this solicitation that pertain to the requested services and products to be fulfilled. All tasks referenced in the listed specifications that are to be performed by the "Integrator" or "Electrical Contractor," or are covered by DIVISION 26 and 40 in their entirety, shall be included as part of the scope of this contract, as well as coordination with the RHBS contractor and the EP2 (ref Division 33) and EP3 (ref Division 26) Vendors in support of the installation of these packages .

The paragraphs below summarize the scope of work for TecPRO LLC:

- Furnish and install all electrical components such as, but not limited to: customer side service components, power and controls-related conduit, conductors, panels, connectors, switches and all other supporting devices to create a complete and operable system that meets the intent of the project documents.
- Provide Integrator Services as well as design and construct, install, program and commission all control panels and new instrumentation, as well as disconnect and re-install and calibrate existing instrumentation for use with the new SCADA panel. Coordinate with the EP2 Vendor for the interconnection of the required interface providing communications, data and controls.
- Programming the panels to be constructed will require close coordination with the design engineer (CRW), who will review the overall system design.
- Coordinate with the RHBS Contractor for installation of all interior and exterior electrical components and all belowground components. Provide sufficient coordination time with the RHBS Contractor and Vendors selected for the EP2 and EP3 services and products for all planning, installation, and execution of the combined work. This includes coordination of site access and working onsite and within the same space during the approved working hours. TecPRO shall not interfere or limit the work of the RHBS and EP2 and EP 3 Vendors to conduct their work, similarly, the RHBS contractor shall not interfere or limit the work of TecPRO LLC to conduct your work.
- Provide submittals and shop drawings that clearly identify all parts and components of a single unit or assembly of multiple parts to create a unified working unit(s). Shop drawings shall include interface with the EP2 and EP3 Vendor components with reference to and incorporation of the Owner-furnished shop drawings. Shop drawings are to be prepared and presented on a

City of Wasilla
Richmond Hills Booster Station
Early Package 1 – Electrical and Integration Services

project title block with a common engineering or architectural scale, and with dimensions for all main components and typical measurements necessary for review.

- Commissioning of all new systems and components, which shall work harmoniously with the new booster station and existing booster station. Close coordination and consultation with the EP2 and EP3 Vendors who will be contractually required to participate is included in the scope of services. This includes all calibration, balancing, testing and system operational checks needed to verify a fully functional system ready for use by the Owner
- Prepare complete Operation and Maintenance Manuals or Technical Manuals (whichever is more applicable) for delivery to the Owner at the successful completion of commissioning. This includes two bound hard copies and an electronic copy in a PDF format. References to and incorporation of the Owner-furnished Shops Drawings and O&M material is to be included in the O&M and Technical Manual set.
- Prepare a work plan to complete the requirements of the project as identified in EP1 documents.
- Prepare Record Drawings of the installed and Owner-approved system and components.

Attachments

- PreFinal Electrical Drawings
- RHBS Project Special Provisions (Draft document)
- DIVISION 26, 40 and 33 Technical Specifications

END

**CITY OF WASILLA
RICHMOND HILLS BOOSTER STATION IMPROVEMENTS
CONSTRUCTION COST ESTIMATE - 100% DESIGN**

IMPORTANT NOTE: The quantities provided below are an estimate. The contractor shall be responsible to validate all quantities as part of their bid. Other construction items, materials and services not listed herein that are necessary for the completed project are required to be included.

Labor Rate Contingency
Labor Rate (Elec + Super)

1
171.89

ELECTRICAL					HIDE THESE COLUMNS				
ITEM No.	ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT COST (MAT'L)	(Crew Factor [x2 (Labor Hours) people])	LABOR COST	Unit Cost	TOTAL COST	
Lump Sum Items									
E-001	MEA New 400A UG Service	LS	1	\$25,000	1.0	2	\$344	\$25,344	\$25,344
E-002	Replace Existing SCADA	LS	1	\$40,000	1.0	24	\$4,125	\$44,125	\$44,125
E-003	Remote SCADA Panel in New Booster Station	LS	1	\$20,000	1.0	12	\$2,063	\$22,063	\$22,063
E-003	Systems integration and programming	LS	1	\$25,000	1.0	0	\$0	\$25,000	\$25,000
E-004	Power Monitor Panels	LS	2	\$5,000	1.0	6	\$1,031	\$6,031	\$12,063
Equipment									
E-005	400A ATS	EA	1	\$10,000	1.0	12	\$2,063	\$12,063	\$12,063
E-006	400A MCB in NEMA 3R Enclosure	EA	1	\$10,125	1.0	6	\$1,031	\$11,156	\$11,156
E-007	300A MCB in NEMA 12 Enclosure	EA	1	\$2,459	1.0	3	\$516	\$2,975	\$2,975
E-008	30A Rated Fused Disconnect Switch w/ Fuses	EA	2	\$1,234	1.0	3	\$444	\$1,678	\$3,355
E-009	250kW Self-Contained Generator	EA	1	\$57,500	1.5	12	\$3,094	\$60,594	\$60,594
E-010	Remote Serial Alarm Panel (Generator)	EA	1	\$1,000	1.0	4	\$688	\$1,688	\$1,688
E-011	22kVA 480:208/120V Mini Power Zone (Load Center)	EA	1	\$23,120	1.0	8	\$1,375	\$24,495	\$24,495
E-012	20/1 10KAIC Circuit Breaker	EA	10	\$326	1.0	1	\$138	\$464	\$4,635
E-013	30/3 10KAIC Circuit Breaker	EA	1	\$791	1.0	1	\$222	\$1,013	\$1,013
E-014	INTERIOR LUMINAIRES, WET LOCATION LED's	EA	9	\$340	1.0	1	\$162	\$502	\$4,518
E-015	EXTERIOR LIGHT	EA	1	\$205	1.0	1	\$153	\$358	\$358
E-016	EMERGENCY LIGHT	EA	1	\$174	1.0	2	\$344	\$518	\$518
E-017	EMERGENCY LIGHT REMOTE HEAD	EA	1	\$40	1.0	2	\$344	\$384	\$384
E-018	GFI RECEPTACLE	EA	10	\$32	1.0	0	\$69	\$100	\$1,005
E-019	WEATHERPROOF IN-USE COVER	EA	4	\$10	1.0	0	\$69	\$79	\$316
Conduits									
E-020	Trench and Backfill (Non-MEA Service)	LF	200	\$33	1.0		\$0	\$33	\$6,600
E-021	6"x6" Wireway	LS	1	\$600	1.0	2	\$344	\$944	\$944
E-022	3" RMC	LF	124.33	\$26	1.0	0	\$46	\$72	\$8,906
E-023	1-1/2" RMC	LF	133	\$10	1.0	0	\$25	\$35	\$4,645
E-024	1" RMC	LF	207	\$4	1.0	0	\$21	\$26	\$5,287
E-025	3/4" RMC	LF	759	\$3	1.0	0	\$17	\$20	\$15,351
E-026	1/2" RMC	LF	620	\$3	1.0	0	\$15	\$18	\$11,281
Conductors									
E-027	500 MCM	LF	210	\$16	1.5	0	\$10	\$26	\$5,544
E-028	3/0	LF	85	\$7	1.0	0	\$6	\$13	\$1,060
E-029	1/0	LF	85	\$4	1.0	0	\$4	\$8	\$674
E-030	#2 AWG	LF	40	\$3	1.0	0	\$3	\$6	\$231
E-031	#6 AWG	LF	905	\$1	1.0	0	\$2	\$3	\$3,144
E-032	#8 AWG	LF	143	\$1	1.0	0	\$2	\$3	\$360
E-033	#10 AWG	LF	77	\$1	1.0	0	\$1	\$2	\$151

E-034	#12 AWG	LF	2,260	\$0	1.0	0	\$1	\$2	\$3,751
E-035	VFD Cable (3 #8 [3H], #8 Gnd)	LF	133	\$13	1.5	0	\$10	\$24	\$3,134
E-036	CAT6	LF	193	\$0	1.0	0	\$1	\$2	\$320
E-037	#14	LF	789	\$0	1.0	0	\$2	\$2	\$1,348
E-038	#18 TSP	LF	304	\$0	1.0	0	\$2	\$2	\$562
E-039	3/4"X10' Ground Rods	EA	4	\$50	1.0	1	\$86	\$136	\$544

Subtotal **\$331,503**

CONSTRUCTION COST SUBTOTAL: \$331,503

GENERAL REQUIREMENTS, OH&P (15%): \$49,725

ESTIMATING CONTINGENCY (15%): \$49,725

TOTAL CONSTRUCTION COST ESTIMATE: **\$430,954**