

COUNCIL ACTION FORM

**SUBJECT: ELECTRICAL MAINTENANCE SERVICES CONTRACT
FOR POWER PLANT**

BACKGROUND:

This contract consists of regular professional maintenance and repair to numerous circuit breakers, relays, and electrical circuits located Plant-wide. Work includes emergency service as well as regularly planned repairs and services during scheduled outages.

On May 22, 2018, City Council awarded a contract to Tri-City Electric Company of Iowa, Davenport, Iowa, to provide electrical maintenance services for the Power Plant from July 1, 2018 through June 30, 2019. **The contract allows the City to renew the contract for up to four additional one-year terms. The proposed renewal contract would be the first of the four optional terms.**

The bid from Tri-City Electric Company of Iowa included increases of 3% per year for labor, travel, and subsistence rates for the renewal terms. These increases were considered during the original evaluation of bids. Rates for tools and equipment remain firm, as does the percentage added for any materials purchased by the contractor. A comparison of FY 2018/19 labor, travel and subsistence rates and the proposed FY 2019/20 rates is shown on Attachment 1. Rates for tools and equipment remain unchanged and are shown on Attachment 2.

The benefits of having a contract for these services in place include the following:

- 1) Consistency of work and quality from a single contractor.
- 2) Reduction in the City's exposure to market forces regarding prices and availability for labor, travel, and supplies in preparation for a scheduled outage.
- 3) Rapid contractor mobilization to start emergency repairs, thus reducing generation downtime.
- 4) Saved City staff time obtaining quotes, evaluating bids, and preparing specifications and other procurement documentation.

The approved FY 2019/20 operating budget for Electric Production includes \$150,000 for relay and breaker maintenance. **Invoices will be based on contract rates for time and materials for services actually received.**

ALTERNATIVES:

1. a. Approve renewal of the contract for the Electrical Maintenance Services Contract for Power Plant to Tri-City Electric Company of Iowa, Davenport, IA, for hourly rates and unit prices bid, in an amount not-to-exceed \$150,000. Invoices will be based on contract rates for time and materials for services actually received.
- b. Approve contract and bond for the Electrical Maintenance Services Contract for Power Plant.
2. Reject renewal option and purchase electrical maintenance services on an as-needed basis.

MANAGER'S RECOMMENDED ACTION:

This work is necessary to properly maintain relays, circuit breakers and electrical circuits and to carry out emergency and scheduled repairs resulting from equipment failures. This contract would establish rates for service and provide for guaranteed availability, thereby setting in place known rates for service and controlling the Plant's costs. Funds will be expended only as work is required and in accordance with approved invoices.

Therefore, it is the recommendation of the City Manager that the City Council adopt Alternative #1 as stated above.

Attachment 1

Contract 2018-143 Electrical Maintenance Services for Power Plant

Contractor: Tri-City Electric Company of Iowa

DESCRIPTION	FY 2018-2019 Rates			FY 2019-2020 Rates		
	Hourly Rate (ST)	Hourly Rate (OT)	Hourly Rate (DT)	Hourly Rate (ST)	Hourly Rate (OT)	Hourly Rate (DT)
Supervisor	\$ 83.30	\$ 112.75	\$ 145.00	\$ 85.80	\$ 116.13	\$ 149.35
Apprentice	\$ 33.95	\$ 44.20	\$ 55.30	\$ 34.97	\$ 45.53	\$ 56.96
Foreman	\$ 79.00	\$ 108.50	\$ 140.00	\$ 81.37	\$ 111.76	\$ 144.20
Journeyman	\$ 76.00	\$ 104.25	\$ 135.00	\$ 78.28	\$ 107.38	\$ 139.05
Technician Level 1	\$ 90.00	\$ 115.00	\$ 150.00	\$ 92.70	\$ 118.45	\$ 154.50
Technician Level 2	\$ 95.00	\$ 120.00	\$ 155.00	\$ 97.85	\$ 123.60	\$ 159.65
Technician Level 3	\$ 100.00	\$ 125.00	\$ 160.00	\$ 103.00	\$ 128.75	\$ 164.80
Elect. Field Eng	\$ 125.00	\$ 150.00	\$ 180.00	\$ 128.75	\$ 154.50	\$ 185.40
Subsistence:	\$159.00 per day			\$163.77 per day		
Travel:	\$65.00 per hour			\$66.95 per hour		
Mileage:	\$.50 per mile			\$ 0.515 per mile		
Material Costs:	Cost Plus 10%			Cost Plus 10%		

Misc. Tools and Equipment: Rates per attached list (no change for FY 2019/20)

Attachment 2

Tri City Electric Company of Iowa

Manufacturer	Model	Description	Daily	Weekly 7 Days	Monthly 28 Days
Vanguard	EZCT-2000C+	Multitap CT Test Set, Automated w/ Burden	\$98	\$490	\$1,960
HV Diagnostics	HVA28-TD	28kV VLF Hipot with Integrated Tan Delta	\$98	\$490	\$1,960
AEMC	6555	15kV Megger, Battery Operated	\$26	\$128	\$512
AEMC	6240	10A DLRO	\$21	\$105	\$420
Raytech	TR-SPY Mark III	Three Phase TTR	\$48	\$240	\$960
Raytech	WR14	2 Channel Winding Resistance Test Set	\$73	\$365	\$1,460
Fluke	438-11	Power Quality Analyzer w/CTs	\$49	\$245	\$980
Summit	PS4500	Power Quality Analyzer w/CTs	\$75	\$375	\$1,500
Fluke	9103A	Dry Block Calibrator	\$23	\$115	\$460
Omicron	CMC-356	Three Phase Relay Test Set	\$273	\$1,365	\$5,460
Multi-Amp	SR90	Single Phase Relay Test Set	\$125	\$625	\$2,500
AVO	BM11/21	5 KV Megger	\$25	\$125	\$500
Biddle	550005	Single Phase TTR	\$40	\$200	\$800
High Voltage Inc.	PFT503CM	50 KV AC HiPot	\$50	\$250	\$1,000
Hipotronics	8120-5PL	120KV DC HiPot	\$75	\$375	\$1,500
AEMC	3730	Clamp On Ground Tester	\$15	\$75	\$300
Vanguard	DigiTMR	Timing Test Set	\$100	\$400	\$1,800
Utility Relay	B-291	Secondary Test Set	\$25	\$125	\$500
GE	TVMRS2	Secondary Test Set	\$20	\$100	\$400
Multi-Amp	MS-1A	Breaker Primary Test Set	\$25	\$125	\$500
Phenix Tech.	HC-2	Breaker Primary Test Set	\$50	\$250	\$1,000
Electrical Test Instruments	PI-1600	Breaker Primary Test Set	\$125	\$500	\$2,000
Multi-Amp	CB-7130	Breaker Primary Test Set Small 2 Piece Stacked	\$150	\$600	\$2,400
Multi-Amp	CB-225	Breaker Primary Test Set Large 2 Piece Stacked	\$175	\$700	\$2,800
Multi-Amp	CB-7150R	Breaker Primary Test Set 2 Individual Piece	\$300	\$1,200	\$4,800
Electrical Test Instruments	PI-4000	Breaker Primary Test Set	\$350	\$1,400	\$5,600
AVO	DDA-6000	Breaker Primary Test Set	\$375	\$1,500	\$6,000