

ITEM #: 16
DATE: 02-27-24
DEPT: W&PC

COUNCIL ACTION FORM

**SUBJECT: REPORT OF BIDS AND AWARD OF CONTRACT FOR SWITCHGEAR
ROUTINE MAINTENANCE SERVICES FOR WATER & POLLUTION
CONTROL**

BACKGROUND:

The Water Treatment Plant (WTP), Old High Service Pumping Station (Old HSPS), and the Water Pollution Control (WPC) Facility contain electrical switchgear, breakers, panels, and other associated electrical connections in order to distribute power to the equipment. Routine maintenance of the switchgear and associated electrical equipment is necessary to ensure safe and reliable operation.

On January 15, 2024, an Invitation to Bid was issued to obtain switchgear routine maintenance services at the WTP, Old HSPS, and WPC facilities. **The work includes the following key elements.**

- De-energize the switchgear. At WPC, provide portable electrical generators to keep the recycle pumps operable.
- Perform visual and infrared inspection of switchgear components.
- Remove and store breakers.
- Remove feeder cables, clean terminations, and apply anti-oxidant coating.
- Examine bus splices and control wiring connections. Tighten as necessary.
- Inspect control relays and timing relays.
- Inspect and clean bus insulators. Replace any that are damaged or show signs of distress.
- Thoroughly vacuum and clean the interior of switchgear cabinets.
- Inspect and clean all breaker terminations and contacts.
- Reinstall all equipment and re-energize, returning equipment to original state.

Note that the work is for a single, discrete inspection and maintenance event; this is not an ongoing maintenance agreement. In addition to the tasks above, work will include evaluating the need for future maintenance activities in accordance with a recently updated NFPA 70B standard which will require some aspects of this work to be performed annually in the future.

The FY 2023/24 Adjusted Budget includes \$107,510 for the Water Plant and Old HSPS locations and \$97,000 for WPC, for total available funding of \$204,510. On February 16, 2024, bids were opened for the project from four contractors. The bid summary is shown below.

Bidder	Total Project Base Bid
Tri-City Electric Company	\$65,325
Ziegler Inc.	\$73,980
NAI Electrical Contractors	\$106,743
Baker Electric Inc.	\$150,377

Staff recommends awarding the contract to Tri-City Electric Company of Iowa as the lowest responsive,

responsible bidder in the amount of \$65,325. Tri-City has successfully performed this type of work at the Water Pollution Control Facility in the past, and staff is comfortable with the quality and thoroughness of their prior work.

ALTERNATIVES:

1. Accept the report of bids and award a contract for the Switchgear Routine Maintenance Services to Tri-City Electric Company of Iowa of Davenport, Iowa in the amount of \$65,325.
2. Do not award a contract.

CITY MANAGER'S RECOMMENDED ACTION:

Routine cleaning and inspection of critical electrical components is essential to maintaining the safety and reliability of the City's water and wastewater treatment facilities. Staff prepared detailed specifications for these services and received competitive proposals from four bidders. Tri-City Electric Company of Iowa of Davenport, Iowa is the apparent low bidder and staff has been satisfied with the company's work in previous contracts. Therefore, it is the recommendation of the City Manager that the City Council adopt Alternative #1, as described above.