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March 14, 2023

TO: All Prospective Bidders

FROM: Carla Wint, Procurement Advisor

**SUBJECT: ADDENDUM NO. 4
PWC2223036 - EXCITATION SYSTEM IN STEAM TURBINE
GENERATOR AT THE BUTLER WARNER GENERATION
PLANT**

1. The Specifications and Bid Documents are hereby modified or clarified per the attached documents.
2. The foregoing changes or clarifications shall be incorporated in the original Bid Documents and a signed copy of this Addendum No. 4 shall accompany the bid to acknowledge the bidder's receipt and familiarity with the changes and/or clarifications.

CW: csk

Acknowledgment:

Company _____

By _____

Date _____

EXCITATION SYSTEM IN STEAM TURBINE GENERATOR AT THE BUTLER WARNER GENERATION PLANT

ADDENDUM NO. 4

MARCH 14, 2023

FAYETTEVILLE PUBLIC WORKS COMMISSION

NOTICE TO BIDDERS:

This Addendum shall become a part of the Contract Documents for the above project. The selected Contractor shall be responsible for notifying all subcontractors of the contents of this Addendum.

Revised or newly issued wording, drawings, or specifications contained in this Addendum shall supersede and shall take precedence over any conflicting information which was previously issued. All other terms and conditions of the Contract Documents remain unchanged.

ITEM 1: The following are the questions received prior to the deadline for questions.

1. The specification does not mention the relays on the outer door. Are any of them within the scope of the upgrade?
All the electromechanical relays will be converted to Microprocessor relays (SEL-400G)
2. There are more relays on the inner door than mentioned in the specification. Are any of them within the scope of the upgrade?
All the electromechanical relays will be converted to Microprocessor relays (SEL-400G)
3. The bottom relays on the inner door are a transformer differential relay. If they are within the scope of the upgrade, a SEL-787 and not a 751 would be required. The SEL-787 could replace the three STD's and the 51TN as well.
All the electromechanical relays will be converted to Microprocessor relays (SEL-400G)
4. In existing system there are 5pole disconnectors in each rectifiers, does sentences from specification:" the only links to the bridge from the AVR shall be properly isolated" means we should add such disconnectors?
No, the existing bridge disconnect will work, the AVRs will be run in parallel with the ability to use one at a time.
5. Is it possible reuse existing disconnector and bus bar on the top of the cabinets?
Yes
6. Existing rectifiers are natural cooling, is forced cooling acceptable in new rectifiers?
Yes, it is, it may be necessary due to the ambient design temps.

7. There is manually switched on breaker 41AC equipper with overcurrent protection, should be replace it for new one ?



Yes, it is to be replaced.

8. If yes, it could be manually switched ON?
Manually switched is good.