

## GARRISON DAM POWERHOUSE REHAB

**CONTRACT NO:**

W9128F-10-C-0065  
KECI NO 10-2240

**JOB SITE LOCATION:**

Garrison Dam Powerhouse  
North Dakota

**OWNER:**

US Army Corps of Engineers  
Omaha District  
1616 Capitol Ave  
Omaha, NE 68102-4901  
*Contract Officer:* Lee McCormick  
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**GENERAL CONTRACTOR:**

Koontz Electric Company, Inc  
1223 E Broadway  
Morrilton, AR 72110  
*Project Manager:* Paul Zimmerman  
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**AWARD DATE / EST COMPLETION DATE:**

August 2010 / January 2013

**CONTRACT AMOUNT:**

\$3,886,688



U N D E R C O N S T R U C T I O N

**SCOPE OF WORK:**

Garrison Station Service Rehabilitation and Installation includes:

1. Remove existing Station Service 15kV switchgear and current limiting reactors in the erection bay and unit bays 1 & 2. Includes all related feeder cables and control wiring.
2. Remove existing Station Service 480V switchgear, eight (8) Station Service dry-type transformers, 480V non-segregated phase bus, and lighting voltage regulation cabinet in the Erection Bay. Includes all related controls and feeder wiring.
3. Remove 15kV and 480V metering and relaying panels and associated wiring on the Station Service Switchboard in the control room.
4. Remove all power and control wire and cable associated with existing 480V Station Service switchgear to ancillary equipment.
5. Remove existing 480V switchgear housekeeping pads and replace with new pads sized for the new equipment configuration. Includes miscellaneous concrete work, metal work, and core drilling. Includes using existing embedded conduits and ground inserts in and around the new housekeeping pads.
6. Remove existing 15kV bus connections from iso-phase bus and current limiting reactors (unit bays 1&2).
7. Install and test GF 15kV switchgear in erection bay and unit bays 1 & 2. Includes 15kV disconnects, current limiting reactors, bus-work and related wiring. Includes all feeder cables and control wiring.
8. Install and test GF 480V switchgear, 15kV-480V dry-type transformers, and 480V non-segregated bus in Erection Bay, and HRG equipment. Includes all related control wiring and feeder cables.
9. Install new Station Service switchboard panels, relaying, annunciator, controls, mimic bus, and both front and rear panel equipment. Includes all related inter-panel wiring and wiring to ancillary equipment.
10. Install new power cables and control wiring associated with new 480V switchgear to ancillary equipment. Includes new raceway equipment and core drilling as required.
11. Provide seismic calculations and data for all equipment mounting hardware.
12. Provide engineering, installation, testing of 15kV iso-phase bus and non-segregated bus connections to Station Service switchgear, disconnect switches, and current limiting reactors in unit bays 1 & 2.
13. Provide engineering, installation, testing, as-built drawings for replacement in-kind of motor control centers as indicated on the contract drawings and specifications.