

## JH KERR POWERHOUSE REHAB

**CONTRACT NO / AWARD DATE:**

DACW54-03-C-0005 / February 2003  
KECI NO 02-2142

**JOB SITE LOCATION:**

John H Kerr Powerhouse  
Turbine / Generator Units 1-7  
Near Boydton, VA on the Roanoke River,  
Mechlenberg Co., VA

**OWNER:**

U.S. Army Corps of Engineers  
Huntington District  
5360 St Rt 800 NE  
Dover, OH 44622  
Matthew Folk, ACO  
T 330.343.9472  
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**GENERAL CONTRACTOR:**

Andritz Hydro LTD  
6100 Trans Canada Hwy  
Pointe Claire, Quebec  
Canada, H9R 1B9  
*Project Manager:* David Robillard  
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F 1.514.428.6713

**INITIAL MOBILIZATION / COMPLETION DATE:**

September 2003 / October 2010

**AWARDED / CURRENT CONTRACT AMOUNT:**

\$6,372,604 / \$7,558,968.90

*Price Increase Due to Government  
Requested & Approved Change Orders*



**SCOPE OF WORK:** This project is a \$46 million plus major renovation for replacement of turbines, restacking and rewinding of generators, replacement of GSU transformers and extensive balance of plant equipment. The general contractor is Andritz Hydro, Pointe Claire, Quebec, Canada. Koontz Electric Company was awarded a subcontract by General Electric for the balance of plant electrical work. The work consists of:

1. Removing existing GSU transformers and installing (1) 15 MVA and (6) 41 MVA new GFE up-rated transformers, 15kV iso-phase bus and 115kV high voltage connection to the switchyard cables.
2. 13,800 volt metal clad switchgear to provide an alternative station service power source. The switchgear is connected into existing generator iso-phase bus.
3. Furnish and install a new 2 MVA unit substation. The unit substation transformer is fed from the 13,800 volt switchgear above. The 480 volt switchgear portion of the unit substation is operated synchronized to existing station service generators.
4. Replace the existing 480 volt distribution switchboard with new 2,000 amp bus switchboard and distribution breakers.
5. Replace the existing telephone relay annunciator system with state of the art sequence of events recorder and annunciator system.
6. Replace reactor grounding for generators with new high impedance transformer grounding equipment.
7. Install GFE static exciters for all units.
8. Install Digital Governors for all units.
9. Perform all wiring for generator and turbine auxiliaries.
10. Perform asbestos abatement work. (subcontracted)
11. Dispose of PCB bushings.