

# SOUTHEASTERN FEDERAL POWER ALLIANCE

Savannah District Update

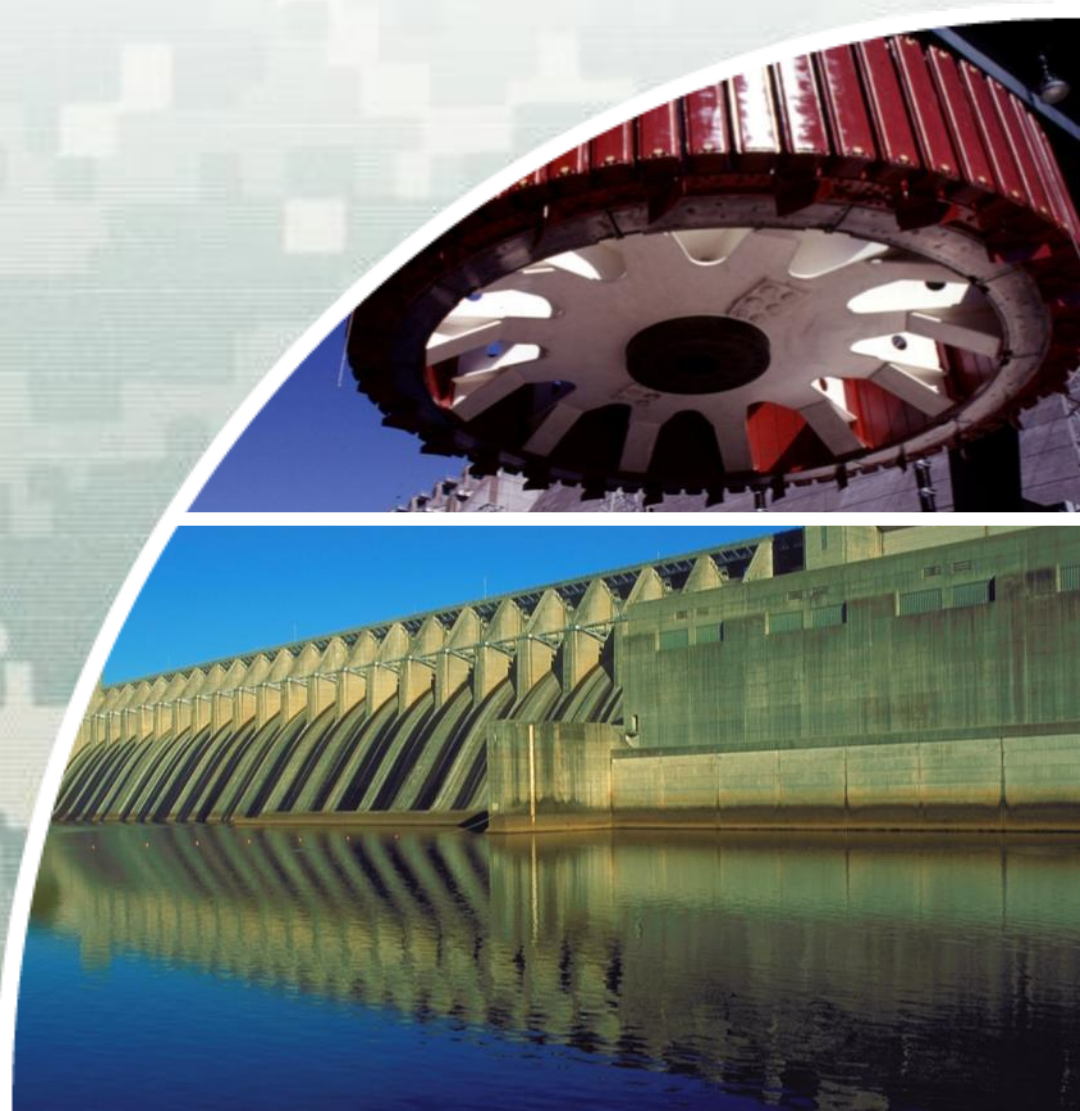
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Savannah District

September 29, 2015



US Army Corps of Engineers  
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# Hartwell Unit 3 and Unit 4

## Scope:

- Unit 3: Repair failed stator windings, analyze unit vibration, and apply corrective actions to eliminate vibrations. Total funding of \$4,493,352 including \$1,000,000 in contingency was established in Sub-Agreement #10, Amendment #4 authorized on March 13, 2015.
- Unit 4: Stator frame foundation concrete repair, vibration analysis, and vibration repair. Total funding of \$1,200,000 was established in Sub-Agreement #10, Amendment 5 authorized on September 17, 2015.

## Status:

- Savannah District's is in the process of awarding a SAS Hydropower - Single Award Task Order Contract (SATOC) with the intent of reaching only the highest qualified contractors. This SATOC will be available for use by any Hydropower Project within SAS.
- The SAS Hydropower - SATOC is currently on the streets with proposals due on October 5, 2015. Anticipate awarding the base contract in early November 2015. After award of base contract a task order for the vibration analysis will be issued. Anticipate on-site vibration testing to begin in January 2016. On parallel path, a task order for the stator frame foundation concrete repair on unit 4 will be issued. Unit 4 concrete repair targeted to begin in February 2016.



# Hartwell Unit 4 Stator Frame Issues



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# Savannah Remote Operations

## Scope:

- Remotely operate the three Savannah River projects using a distributed operations methodology. This would allow any singular plant to operate any of the other two plants on the river system. Total funding of \$14.98M including \$2.48M in contingency was established in Sub-Agreement #18 authorized on August 26, 2014.

## Status:

- Security System: Contract for Phase 1 was awarded on March 13, 2015. Received contractor's proposed system design and cost proposal on August 21, 2015
- Microwave System: Contract for Phase 1 was awarded by May 15 2015. Received contractor's evaluation / study report for the microwave system on August 21, 2015.
  - ▶ The report indicated that each tower would have to be raised 40 to 50 feet and there are major structural problems that can not feasibly be overcome.
  - ▶ Assessing cost effective alternatives: such as leasing additional towers, leasing existing fiber network, etc.
- Control System: GDACS Phase 1 – Design / Migration Server / Instrumentation schedule to be completed June 15, 2016.
- Initial remote operation capability expected in 3rd Qtr FY 2016.
- Full system availability by end of 1st Qtr FY18.



# Russell Switchyard Component Replacement

## Scope:

- Replace 230 kV oil circuit breakers with SF6 gas circuit breakers. Remove buried oil circuit breaker piping. Total funding of \$3.6M including \$300K in contingency was established in Sub-Agreement #9 authorized on May 25, 2010.

## Status:

- On-site work was completed on July 9, 2015. Contract close out expected to occur 1<sup>st</sup> Qtr. FY16.



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