

SOUTHEASTERN FEDERAL POWER ALLIANCE

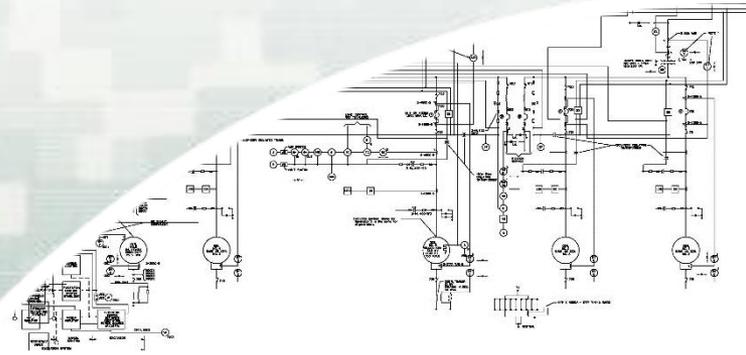
Savannah District Update

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Savannah District

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US Army Corps of Engineers
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Hartwell Unit 3 and Unit 4



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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 awarded a SAS Hydropower - Single Award Task Order Contract (SATOC) on July 28, 2016 to Alstom Power Inc., Littleton CO with a not to exceed amount of \$9.5 M. This SATOC will be available for use by any Hydropower Project within SAS.
- Request for Proposal (RFP) for the first Task Order was sent to the contractor on August 23, 2016. The first Task Order is for the vibration analysis and recommended repairs to correct the vibrations problem. The first Task Order is scheduled to be completed in March 2017. On parallel path, a second Task Order for the stator frame foundation concrete repair on Unit 4 will be issued. Unit 4 concrete repair targeted to completed in May 2017.



Savannah Remote Operations



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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:

- Operating Status: Initial operating capability expected in 2nd Qtr FY 2017, with full system availability by end of 3rd Qtr FY20. Initiative is composed of 4 primary and separate efforts.
 - Security System: The installation of security systems at the 3 plants is expected to begin 26 October 2016 and with a completion date of 4 December 2017.
 - Communications System: Finalizing the easement agreements with West Carolina Telephone (WCTEL) for installation of fiber optics cable. Installation is expected to begin early October 2016 with a completion in early December 2016.
 - Control System: GDACS Phase 1 – Design / Migration Server / Instrumentation schedule to be completed February 2017.
 - Organizational Structure: Complete with Regional Supervisor.



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Russell Draft Tube Liner Repair



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Scope:

- Repair cavitation damage on unit 5 and unit 7 draft tube liners. Total funding of \$420K including \$80K in contingency was established in Sub-Agreement #21 authorized on June 6, 2016.

Status:

- Utilizing TVA for the repair work. TVA scheduled to be on-site September 26, 2016. Work is scheduled to be completed on January 20, 2017.



Thurmond Motor Control Center and Switchgear Installation



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Scope:

- Remove and install Station Service Switchgear, Motor Control Centers, and Switchboards. Total funding of \$2.715M including \$325K in contingency was established in Sub-Agreement #22 authorized on June 6, 2016.

Status:

- Contract was awarded on August 30, 2016. On-site work scheduled to begin in January 2017. Work is scheduled to be completed on August 30, 2017.