

SAD MAINTENANCE UPDATE SOUTHEASTERN FEDERAL POWER ALLIANCE

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MAJOR MAINTENANCE PROJECTS



Recent or Approaching Completion:

- Jones Bluff 13.8kV Switchgear Install (Dec-20)
- Carters U3 & U4 Exciter Replacement (Dec-20)
- Thurmond Diesel Generator Install (Feb-21)
- Jones Bluff Draft Tube Crane Replacement (Feb-21)





PHILPOTT TURBINE & GENERATOR UPGRADE



Scope: \$25.3M in customer funds to upgrade turbines, rewind generators and replace associated equipment.

Current Status:

- Existing rating: 7.5MVA
- Expected uprate rating: 9.3MVA
- Intake Gates Refurbished.
- Draft Tube Bulkheads Replaced.
- Rehab Contract Awarded MAR-2021.
- Mudslide Cleanup in progress.
- Switchgear Building Design in progress.
- Hillside Stabilization Design in progress.
- Switchgear Repair/Replacement Design in progress.

Next Steps:

- Begin/Complete Hillside Stabilization.
- Complete Mudslide Cleanup.
- Complete Switchgear Building Project.
- Award/Reinstall Switchgear.



Milestone	Duration	Scheduled
Advertise Solicitation:		20-May-20
Close Solicitation:		08-Dec-20
Award:		29-Mar-21
Contractor Design:	270	24-Dec-21
Manufacture:	365	24-Dec-22
Unit 2 Install	365	24-Dec-23
Unit 1 Install	365	24-Dec-24



RICHARD B RUSSELL UNIT 5 REPAIR



Scope: Project to Assess and Repair Unit 5.
Sub-agreement for \$1.6M.

Current status:

- Excessive vibration.
- Stator frame translation.
- Unit remains out of service.
- Assessment Task Order #1 Complete.
- Contractor Demobilized.
- HDC writing Task Order #2.



Next Steps:

- Task Order to complete online air gap testing.
- Determine/write SOW for rotor repairs.
- Task Order to complete repairs.
- Confirm repair effectiveness.

Milestone	Duration	Scheduled
Award T.O. #2:	90	31-May-21
Add. Assessment:	45	15-July-21
Award Rep T.O. #3	90	13-Oct-21
Complete Repairs	120	30-May-22



HARTWELL UNITS 3 & 4 REWIND



Scope: Project to Rewind Units 3 & 4.
Increasing sub-agreement by \$18.7M for the rewind work.

Current status:

- Contractor Design under review.
- USACE working to free turbine runner.

Next Steps:

- Free runner.
- Complete As-Found Measurements.
- Complete Fabrication.
- Rewind Unit 3.
- Rewind Unit 4.



Milestone	Duration	Scheduled
Advertise Solicitation:		11-Feb-20
Close Solicitation:		10-Jun-20
Award:		28-Aug-20
Contractor Design:		22-Mar-21
Manufacture:	120	15-Jul-21
Unit 3 Install:	200	31-Jan-22
Unit 4 Install:	200	19-Aug-22



SAD CONTROLS INFRASTRUCTURE UPDATES



Scope: Implement next generation Unit and GDACS Supervisory Controls throughout SAD.

Current status:

- Installation Design for WFG & Hartwell
 - 90% Complete.
- Equipment Supply Design
 - 100% Complete.
- Centralized Operations Control Center
 - Determining Requirements and Constraints.
- Supply & Install Contract Award Delays.
- Initial install at WFG in Fall 2021

Next Steps:

- Acquire Unit Control Supply & Install Funds.
- Refine long term design and install schedule.
- Complete Designs.
- Award Base Contracts.
- Procure and Install Equipment.





HTSC SIGNIFICANT ACTIVITIES



Forced Outage Responses:

- 1 Governor Air Compressor
- 1 13.8KV Cable Repair
- 1 Exciter
- 1 Station Battery
- 1 Microwave Communication
- 1 MCC Failure

Proactive Task Order Contracts:

- Exciter Repair
 - Jun-21
- Governor Repair
 - Jun-21
- Turbine Repair
 - Sep-21



HTSC Workload	
Backlog	31
Planning	29
Design	29
Pre-Solicitation	20
Advertise	2
Execution	30
Closeout	7



QUESTIONS