

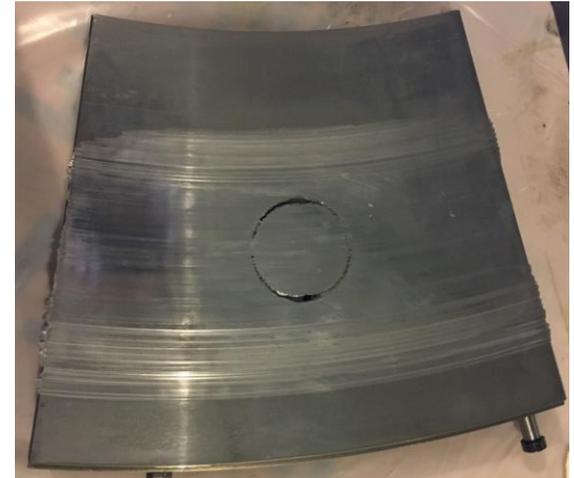


MAJOR MAINTENANCE PROJECTS



Recently Completed Projects:

- Philpott Switchgear Replacement
- Thurmond MCC and Switchgear Replacement
- Thurmond Unit 4 Thrust Bearing Repair
- West Point GSU Transformer Installation
- Carters Unit 3 & Unit 4 Rewind
- Carters Reversing Switches Replacement
- Millers Ferry GSU Transformer Replacement
- Allatoona Fire Restoration





PHILPOTT TURBINE & GENERATOR UPGRADE



Scope: \$20M in customer funds to upgrade turbines, rewind generators and replace associated equipment.

Current Status:

- 60% Design Review completed NOV-2018.
- Existing rating: 7.5MVA
- Expected uprate rating: 9.3MVA
- USACE Evaluating Intake Gate design to determine extent of rehab.
- Replacement Draft Tube Bulkhead Design is 90% complete.

Next Steps:

- Determine Asbestos Abatement Requirements
- Procure new Draft Tube Bulkheads.
- Rehab Intake Gates.
- HDC provide final plans & specs JUN-2019.
- Advertise contract DEC-2019.
- 120 Days Advertise.
- Contractor mobilize one year after award Summer 2021.





HARTWELL UNITS 3 & 4 WINDING REPAIR



Scope: Project to Repair U3 Stator Winding Damage and Reduce Vibration on Units 3 & 4.

Current status:

- \$1.9M Task order awarded DEC-2017.
- Alstom mobilized and demobed MAR-2018.
- Asbestos abatement complete OCT-2018.
- Alstom remobilized NOV-2018.
- Alstom draft report 06-DEC-2018
- Alstom noted additional damage.
- USACE Generator Expert onsite.

Next Steps:

- Alstom Report & Recommendations JAN-2019.
- USACE determine risks associated with alternatives.
- Likely Alternatives:
 - Continue with current repairs.
 - Increase scope of repairs.
 - Replace windings.





SAVANNAH DISTRICT REMOTE OPERATIONS



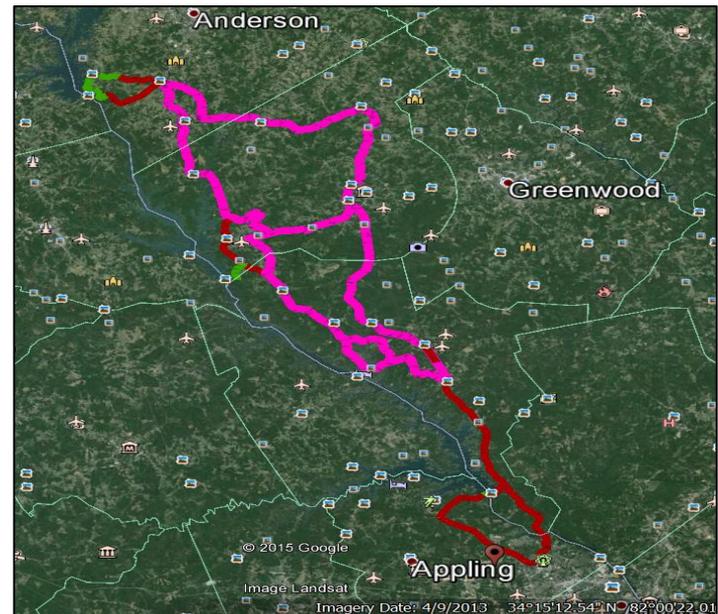
Scope: \$14.9M in customer funds to remotely operate the three Savannah River projects using a distributed operations methodology.

Current status:

- Fiber Install complete SEP-2017.
- Security System install completion DEC-2018.
- Generic Data Acquisition and Control (GDAC) Phase 1 complete NOV-2018.
- Remote Operations Field Testing MAY-2018 to NOV-2018.

Next Steps:

- GDAC Phase 2 (Unit Control):
 - HDC design complete MAR-2019.
 - Phase 2 install 2019 – 2021.
- Staffing: Reduce operator positions by 6 through attrition by 2020.





RUSSELL STATIC FREQUENCY CONVERTER



Scope: \$600K in customer funds to repair Static Frequency Converter (SFC) and replace disconnect switches with vacuum breakers.

Current status:

- Disconnect Switch Replacement Design completed NOV-2017.
- SFC faulted damaging the input disconnect switch and the SFC JUL-2017.
- SFC Manufacturer, NIDEC Motor Corp. assessment DEC-2017.
- Contract Mod signed SEP-2018 for NIDEC to repair SFC and supply/install new breakers. Additional \$178k O&M funds.

Next Steps:

- Expected Breaker delivery JAN-2019.
- Expected Return to Service MAR-2019.





FY-18 SIGNIFICANT CONTRACT ACTIONS



SAD	Req. – Generator Em. Repairs	\$30M	467 Days
JH Kerr	Motor Control Centers	\$2.2M	158 Days
Thurmond	Unit 4 Thrust Bearing*	\$123K	63 Days
JH Kerr	Exciter Parts	\$95K	36 Days
Carters	Exciter Specialist Rewind Supp.	\$70K	20 Days
Philpott	Battery Equipment	\$68K	78 Days
Russell	Shaft Seal	\$53K	55 Days
Carters	Exciter Specialist Crowbar Supp.*	\$17K	04 Days
	*Emergency Repair Responses		



QUESTIONS