

Mobile Update

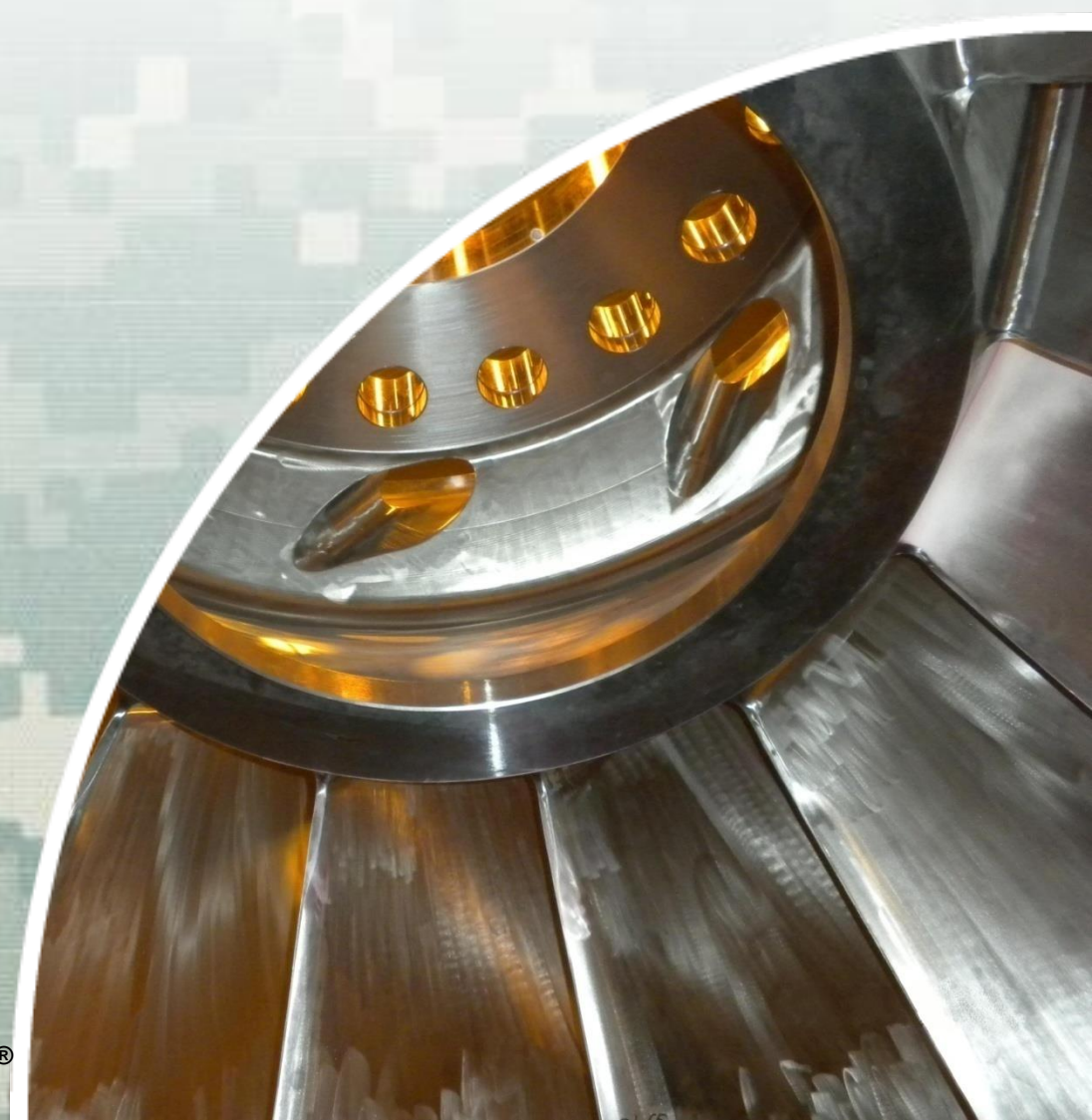
Southeastern Federal Power Alliance

12 April 2016

Christopher S. Ludwig
U.S. Army Corps of Engineers
Mobile District



US Army Corps of Engineers
BUILDING STRONG

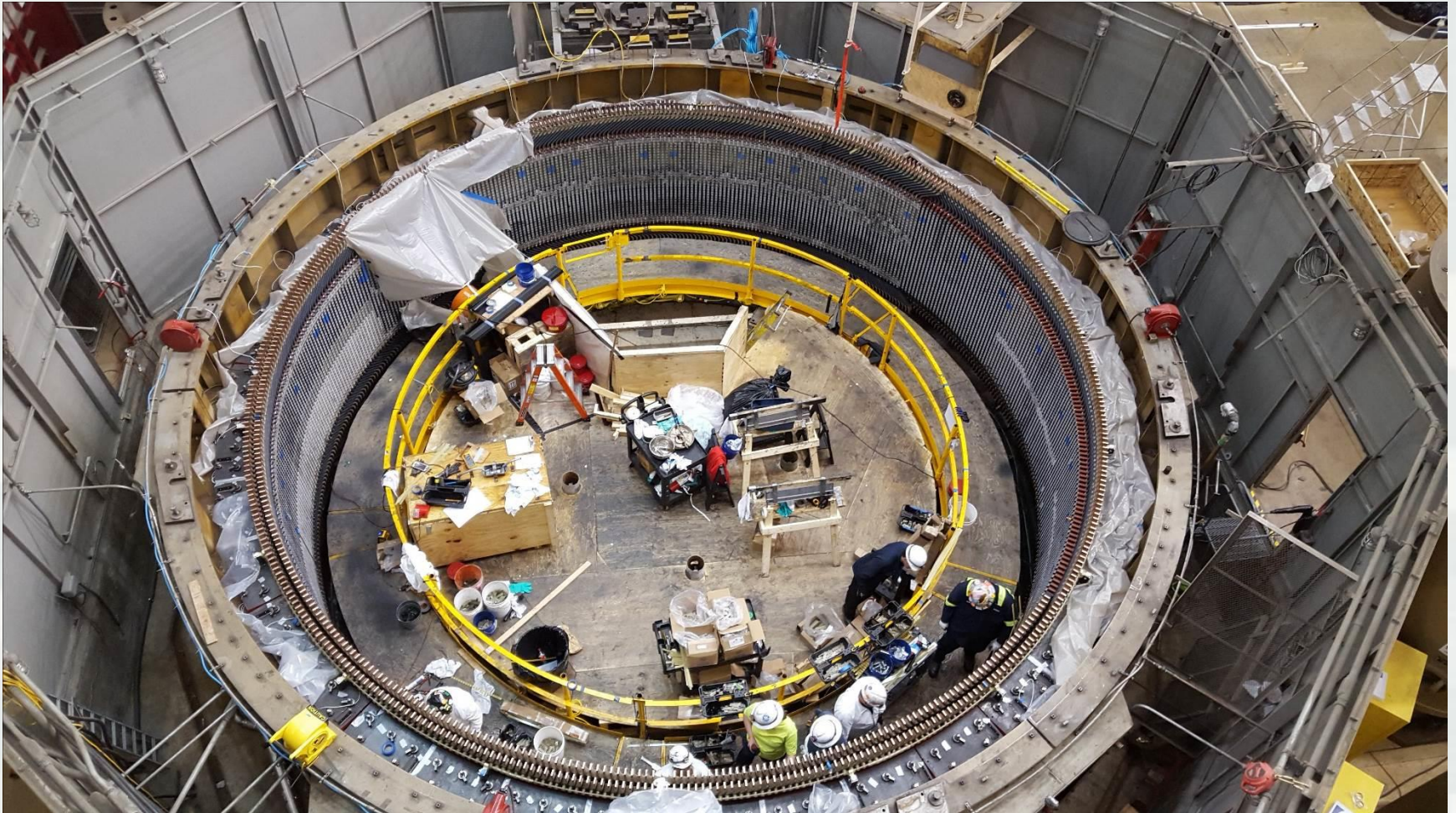


Carters Rewind

- Rewind of Motor/Generators 3&4 – Uprate of generator to 183MVA
- Includes:
 - Restack stator core
 - New stator winding
 - Reinsulate rotor poles
 - Replace generator coolers
- In house work:
 - New raw water piping (unit 4 only)
 - New instrumentation (unit 4 only)
 - Cavitation repair
 - Other miscellaneous maintenance items



Carters Rewind



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Allatoona

- Fire occurred 14-May-2014 due to a failure to follow the equipment demolition procedure resulting in removal of equipment in the wrong order and subsequent energizing of associated power cables cut in the process.
- Contractor directed to complete the work covered under the contract scope and any additional work determined necessary to do so –
scheduled complete May 2016
 - Replace all 13.8kV switchgear and bus
 - Replace 480V transformers, switchgear, and associate cables
 - Replace 120VAC/125VDC distribution\lighting panels, transformers, battery, chargers, inverter



Other Items

- Decontamination\Clean up - Complete
- Concrete repairs - Complete
- Renovation of office spaces, control room, and other ancillary areas - In process - May 2016
- Crane repair – Solicitation advertised - September 2016
- Control system\SCADA Installation – November 2016
- Generator cleaning\testing – February 2017
- Governor Replacement – Design Complete - February 2017
- Exciter Replacement – In Design - February 2017
- Raw water piping replacement – In process - May 2016



Financial

- Contractor performing substantial amount of work to date
- Approximately \$4M appropriated funding expended to date on items related to the fire:
 - Initial response ~\$2M
 - Office are renovations
 - Governor\Exciter design
 - Emergency generator for dam
 - Utility supplied electricity for powerhouse
- Fire restoration Customer Funding - \$10M
 - Generator Cleaning - \$500k
 - Governor - \$2M
 - Exciter - \$2M
 - Controls - \$1M



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Control Room



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Cable Tray Room



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Spread Room



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Switchgear Room



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Generator Bus\Breakers



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Raw Water Piping



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Questions?



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