

HOT GAS PATH INSPECTION

JACKSONVILLE ELECTRIC AUTHORITY
NORTHSIDE STATION
JACKSONVILLE, FLORIDA



DESCRIPTION:

Jacksonville Electric Authority (JEA) is the locally owned power generation division of the City of Jacksonville, Florida. NAES performed a hot gas path inspection, turbine wheel replacement and major generator work on CT Unit 5 at the Northside Station during the 2007 fall outage cycle.

SERVICES PROVIDED:

NAES performed the following services on the GE Frame 7B gas turbine generator:

- Complete disassembly of turbine and generator
- Removal of rotors
- Shipment of turbine rotor to shop for wheel replacement
- Shipment of generator rotor to shop for retaining ring replacement and high speed balance
- Supported controls upgrade
- Boresonic inspection of generator rotor
- Generator electrical testing
- Major alignment
- Complete shop repair of exhaust diffuser
- Reassembly of unit

NAES also performed work on the atomizing air skid and the load tunnel seal, along with the removal and re-installation of electrical instrumentation.

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