

STEAM TURBINE INSPECTION & OVERHAUL

JACKSONVILLE ELECTRIC AUTHORITY
ST. JOHNS RIVER POWER PARK
JACKSONVILLE, FLORIDA



DESCRIPTION:

Jacksonville Electric Authority (JEA) is the locally owned power generation division of the City of Jacksonville, Florida. The St. Johns River Power Park includes two coal fired GE units rated at 650 MW each. NAES performed a major inspection and overhaul on Unit 2 during the 2004 spring outage cycle.

SERVICES PROVIDED:

NAES performed the following services on the 650 MW GE G-3 tandem compound reheat double flow LP:

- Complete disassembly of turbine HP, both LP cases, generator, and turbine valve control PACs
- Removal of rotors
- Tops on tops off alignment of diaphragms
- Evaluation of steam path components
- Onsite repair of diaphragms
- Boresonic inspection of the rotors
- Snout ring repairs
- Generator electrical testing
- Reassembly of unit

NAES prepared a manpower loaded level 3 schedule that was incorporated into the overall plant outage schedule and updated throughout the outage. NAES also managed numerous subcontractors that were needed as unexpected items arose during the work.

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