

STEAM TURBINE OVERHAUL

MCINTOSH POWER PLANT
CITY OF LAKELAND, FLORIDA



DESCRIPTION:

The City of Lakeland, Florida has two power plants, the largest of which is the McIntosh Generating Station, with an output of 830 MW. The station utilizes both steam and gas turbine generators. NAES performed a major inspection and overhaul on Unit 2 during the 2006 fall outage cycle.

SERVICES PROVIDED:

NAES performed the following services on a 125 MW Westinghouse steam turbine generator:

- Complete disassembly
- Inspection of HP/IP, LP cases and valves
- Inspection of turning gear, front standard and EHC
- Removal of the HP/IP, LP and generator rotors
- Steam path audit and evaluation
- Blast clean and NDE of all steam path components
- Open case alignment of entire steam path
- Major realignment of turbine cases
- Reassembly of unit, oil flush and start up

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