

STEAM TURBINE OVERHAUL

LAFAYETTE UTILITY SYSTEMS
LOUIS BONIN STATION
LAFAYETTE, LOUISIANA



DESCRIPTION:

The City of Lafayette, Louisiana maintains its own city utilities, including power generation, at several locations in the city. One of the stations, the Louis "DOC" Bonin Station located close to downtown, contains three GE steam turbines rated at 66 MW, 100 MW and 200 MW. The station was named after Louis Bonin and is fueled by natural gas boilers. NAES personnel have overhauled all three of these units between 2004 and 2007.

SERVICES PROVIDED:

NAES provided project management, supervision, labor, tools, and specialty contractors necessary to perform the following scope of work:

- Major inspection of HP/IP turbine sections
- Major inspection of LP sections
- Major inspection of main stop, intercept and control valves
- Blasting and NDE services
- Generator field rewind 200 MW (onsite)
- Miscellaneous inspections of generators, bearings, packing, etc.
- Shop repair of exchanger heads, valve repairs and bearing repairs
- Onsite and shop repair of diaphragms
- Open case laser diaphragm alignment

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