

STEAM TURBINE OVERHAUL

LS POWER
SOUTH BAY POWER PLANT
CHULA VISTA, CALIFORNIA



DESCRIPTION:

The South Bay Plant, located in Chula Vista, California, is owned by LS Power and operated and maintained by Wood Group O&M Services. The plant is gas fired and is comprised of two GE steam turbines, two Westinghouse steam turbines and a Pratt-Whitney combustion turbine that provide a net capacity of 706 MW. NAES was contracted to perform a major overhaul on Unit 2, a Westinghouse 155 MW steam turbine, during the spring 2007 outage season.

SERVICES PROVIDED:

NAES performed the following services during a major overhaul of a Westinghouse 155 MW tandem compound reheat double-flow LP turbine generator:

- Complete disassembly and inspection of the HP/IP and LP turbine sections
- Major inspection and repair of the throttle, reheat, governor, and intercept valves
- Generator disassembly and inspection
- Disassembly and inspection and repair of the lube and seal oil systems
- Minor repairs to oil seals, steam glands, bearings, etc.
- Laser alignment of steam path and turbine to generator

All work was completed safely, on time and within budget.

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