

# GAS TURBINE GENERATOR INSPECTION

RELIANT ENERGY  
T.H. WHARTON POWER PLANT  
HOUSTON, TEXAS



## DESCRIPTION:

Reliant Energy is an international provider of energy and energy services in the form of power generation and distribution with approximately 27,000 MW of worldwide generating capacity. Reliant Energy HL&P has 27 gas turbines and 40 steam turbines in operation at various power plants in South Texas.

NAES was selected to perform a major inspection on the GE Frame 7C gas turbine generator Unit 51 during the fall 1999 outage at the T.H. Wharton Power Plant in Houston, Texas. Following our successful completion of this project, we were awarded a three year contract for gas and steam turbine generator inspection and overhaul projects.

## SERVICES PROVIDED:

- Complete disassembly and inspection of all components
- Field replacement of nozzles and shrouds
- Internal alignment of the gas turbine
- Removal and inspection of the generator field
- Installation and rebuild of the generator hydrogen seals
- Reassembly of the units, alignment and start up
- Repair of ducting and plenum work

Due to exemplary performance in the categories of technical capabilities, timeliness and safety, NAES was awarded a long-term contract for gas and steam turbine generator inspection and overhaul work at Reliant Energy HL&P facilities.

In addition, NAES has developed, and is participating in, Reliant Energy HL&P's stringent OSHA Voluntary Protection Program (VPP).

**NAES Headquarters**  
1180 NW Maple Street  
Suite 200  
Issaquah, WA 98027  
425.961.4700

**Turbine Services Division**  
7618 Bluff Point Drive  
Houston, TX 77086  
832.484.9400

[www.naes.com](http://www.naes.com)



NAES is a global leader dedicated to adding value by optimizing the performance of energy related facilities. NAES and its divisions and subsidiaries offer a world of services to help make your energy facility work -- better.