

# BOILER OUTAGES AND MAINTENANCE

PLEASANTS AND WILLOW ISLAND POWER STATIONS  
WILLOW ISLAND, WV

## DESCRIPTION

Major boiler outages, scrubber modifications and maintenance services.

## SERVICES PROVIDED

Under both firm price and T&M contracts since 1994, NAES Power Contractors has provided a range of services to the Pleasants and Willow Island Power Stations, which together provide 1,543 MW of electricity.

The Pleasants Power Station, located in Willow Island, West Virginia, is a pulverized coal burning plant that makes use of locally mined coal. This 1,300 MW plant consists of two Foster Wheeler supercritical boilers equipped with electrostatic precipitators and wet flue gas de-sulfurization scrubbers. The Willow Island Power Station, also located at this site, produces 243 MW of electricity. The outages include major boiler repair and other general maintenance services. Additional workscopes included ductwork and breeching repairs, chimney washes and general chimney repairs and modifications. The major boiler scopes consist of removing and replacing boiler sidewall and rear wall tubes along with economizer and burner repairs.

Along with performing major outages, NAES Power Contractors executed two projects in 2004 to modify the FGD including a mist eliminator system upgrade. These projects included work on both the Unit 1 and Unit 2 FGD system. During these modification projects, NAES Power Contractors performed workscopes including installation of new quench ducts, new quench spray systems, new mist eliminator headers, replacement of numerous valves, and erection of new inlet ductwork.

- Performed major boiler outages
- Completed major scrubber modifications
- Provided extensive maintenance services



NAES Power Contractors provides world class maintenance and construction services for energy facilities, and is a wholly owned subsidiary of NAES Corporation, the global leader in third party power plant operations.



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