

Plant Wansley

Location

Heard County, Georgia

Capacity

1073 MW

Fuel Resource

Natural Gas

Ownership

Southern Power



Southern Power operates two natural gas-fueled, combined-cycle electric-generating units located in Heard County near Carrollton, Georgia. The plant is used to generate electricity for the South – the fastest growing region in the country. The two units went online in June 2002.

Size

The two combined-cycle units have a combined capacity of 1,073 megawatts. The plant site also accommodates two of Georgia Power's coal-fired units with a combined capacity of 1,730 megawatts.

Technology

Combined-cycle technology is one of the cleanest and most efficient methods of producing electricity. With this technology, the power plant's combustion turbines make electricity by burning natural gas. Waste heat from the turbines is captured and reused to drive a separate steam turbine that produces additional electricity. Combined-cycle power plants produce high power outputs at high

efficiencies and with low emissions. The combustion turbine produces electricity at 18,000 volts, and the steam turbine produces electricity at 21,000 volts before being "stepped up" in a transformer to 500,000 volts for transmission.

Economic Impact

Plant Wansley provides millions of dollars in economic benefits to the city of Carrollton, Heard County and the state of Georgia. Nearby counties and the entire state also benefit by job availability and the economic development boost created by having immediate access to a reliable source of electric power.

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