

Plant Wansley

Location

Heard County, Georgia

Fuel Resource

Natural Gas

Capacity

1073 MW

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.

Southern Power, a subsidiary of Southern Company, is a leading U.S. wholesale energy provider meeting the electricity needs of municipalities, electric cooperatives, investor-owned utilities and other energy customers. Southern Power and its subsidiaries, some of which are owned in part with various partners, own or operate 50 facilities operating or under development in 13 states with more than 11,920 MW of generating capacity in Alabama, California, Delaware, Georgia, Kansas, Maine, Nevada, New Mexico, North Carolina, Oklahoma, Texas, Washington and West Virginia.

Southern Company (NYSE: SO) is a leading energy company serving 9 million customers through its subsidiaries. The company provides clean, safe, reliable and affordable energy through electric operating companies in three states, natural gas distribution companies in four states, a competitive generation company serving wholesale customers across America, a leading distributed energy infrastructure company, a fiber optics network and telecommunications services.

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