

# Plant Harris

**Location**  
Autaugaville, Alabama

**Capacity**  
1318 MW

**Fuel Resource**  
Natural Gas

**Ownership**  
Southern Power



Plant Harris is a natural gas-fueled, combined-cycle electric-generating plant located in Autaugaville, Alabama. The plant is used to generate electricity for the South – the fastest growing region in the country. Two units went online in mid-2003.

## Size

The plant consists of two combined-cycle units at 659 megawatts each, with a combined capacity of 1,318 megawatts. The plant site has the potential to accommodate up to four units.

## 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. For Harris 1, 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 230,000 volts for transmission. For Harris 2, 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 Harris provides millions of dollars in economic benefits to the city of Autaugaville, Autauga County and the state of Alabama. 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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