

# Plant Addison

**Location**

Thomaston, Georgia

**Capacity**

668 MW

**Fuel Resource**

Natural Gas

**Ownership**

Southern Power



Plant Addison is a natural gas-fueled, simple-cycle combustion turbine electric-generating plant located near Thomaston, Georgia in Upson County. The plant is used to generate electricity for the South – the fastest growing region in the country. The four units went online in June 2000.

**Size**

The plant consists of 4 combustion turbine units at 167 megawatts each, with a combined nameplate capacity of 668 megawatts.

**Technology**

Simple-cycle technology is an efficient and environmentally-sensitive method of generating electricity. In a simple-cycle combustion turbine, air is drawn through the inlet filters and into the compressor. After the air is compressed, it is mixed with fuel in combustion chambers and is burned. The expanding

burned fuel is directed through turbine blades, forcing them to turn. The turbine is directly coupled to the generator and jointly turns at 3,600 RPM. The combustion turbine produces electricity at 13,800 volts before being “stepped up” in a transformer to 230,000 volts for transmission.

**Economic Impact**

Plant Addison provides millions of dollars in economic benefits to the city of Thomaston, Upson County, and the state of Georgia.

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.

[southernpowercompany.com](http://southernpowercompany.com)