

Stanton Energy Center

Location

Near Orlando, Florida

Fuel Resource

Natural Gas

Capacity

659 MW

Ownership

Joint



Stanton A is a dual fuel, combined-cycle electric-generating unit. Stanton A is jointly owned by Southern Power, the Orlando Utilities Commission (OUC), Kissimmee Utility Authority (KUA), and Florida Municipal Power Agency (FMPA). Southern Power and the Orlando Utilities Commission (OUC) are located near Orlando, Florida. The primary fuel is natural gas and the backup fuel is distillate (fuel oil). The unit went online in the fall of 2003.

Size

The combined-cycle generating unit has a nameplate capacity of 659 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 230,000 volts for transmission.

Economic Impact

Stanton Unit A provides millions of dollars in economic benefits to the city of Orlando, Orange County, and the surrounding, growing Florida market. 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 commercial and industrial customers. Southern Power and its subsidiaries own 50 facilities operating or under construction in 12 states with more than 12,500 MW of generating capacity in Alabama, California, Florida, Georgia, Kansas, Maine, Minnesota, Nevada, New Mexico, North Carolina, Oklahoma and Texas.

Atlanta-based Southern Company is America's premier energy company, serving 9 million customers through its subsidiaries with clean, safe, reliable and affordable energy. With electric utilities in four states, natural gas distribution utilities in seven states, a competitive generation company serving wholesale customers across the country and a nationally recognized provider of customized energy solutions, as well as fiber optics and wireless communications, Southern Company and its subsidiaries are inventing America's energy future.

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