

Jackson EMC

Developer: Self-Owned and Operated

Location: Jefferson, Georgia
U.S.A.

Installed: July 1999



Jackson Electric Membership Corporation (EMC) is the third largest electric cooperative in the United States with the largest number of customers and energy sales. Electric cooperatives are not-for-profit and owned by their member customers. When it came to generating results, Jackson EMC turned to Solar for an energy solution.

Citing the highly unpredictable energy market, and in an effort to bring lower prices to its customers for the summer months, Jackson EMC was looking for a power plant that could be installed quickly and operated remotely. Solar was chosen for its reliable gas turbines and timely project management. In just eight months, Solar was able to:

- Construct a power plant
- Manufacture four gas turbine generator sets
- Permit and install the turbines
- Interconnect with and provide power to the grid.

With four *Taurus*™ 60 gas turbine generator sets, this power plant is available to supply 4.5 to 18 MWe of power, depending on real-time need. This generation capacity allows Jackson EMC to hedge against high electricity prices in the spot market and to deliver lower cost electricity to its member customers.

Operating an estimated 1000 hours per year, the power plant provides electricity to industrial, commercial and residential customers during peak times, especially in the summer months when electricity prices are high.

In order to meet Georgia emissions standards, each *Solar*® gas turbine is equipped with *SoLoNO_x*™, Solar's industry leading low emission, dry combustion technology. In addition, the gas turbine generator sets are operated independently so they can be brought online as needed to meet demand.

Due to the difference between natural gas and peak electricity prices, Jackson EMC found it made good economic sense to generate their own peak power using gas turbine generator sets manufactured by Solar Turbines Incorporated.

For detailed information on this and other peaking projects, and how Solar can help generate results for your business, please contact:

Solar Turbines Incorporated
Power Generation Group
P.O. Box 85376; MZ SP3-Q
San Diego, CA 92186-5376
U.S.A.

Telephone: +1(619) 544-5352
Telefax: +1(858) 694-6715

E-mail:
powergen@solarturbines.com
Internet:
www.solarturbines.com