

# Kay Wind Facility

**Location**

Kay County, Oklahoma

**Fuel Resource**

Wind Turbine

**Capacity**

299 MW

**Ownership**

Southern Power



Southern Power announced an agreement to acquire the 299-megawatt (MW) Kay Wind facility in early 2015. The facility entered into service December 2015.

The electricity and associated renewable energy credits (RECs) generated by the facility are being sold under 20-year power purchase agreements with Westar Energy, Inc. in Kansas and Grand River Dam Authority (GRDA) in Oklahoma. Westar Energy, Inc. has contracted for approximately 199 MW and GRDA has contracted for approximately 100 MW. Both companies will have the option to either keep or sell the RECs.

**Technology**

Located in Kay County, Oklahoma, the project utilizes 130 wind turbines manufactured by Siemens Energy, Inc.

Each turbine is mounted on top of an 80-meter-tall tower and has a 108-meter, three-blade rotor connected to a generator. The AC power from the generator is modulated at 60 hz by a converter. Multiple wind turbines are electrically connected in parallel to the main power transformer where the energy converted to the prescribed interconnection voltage.

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 own or have the right to own 46 facilities operating or under construction in ten states with more than 12,600 MW of generating capacity in Alabama, California, Florida, Georgia, 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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