

Bethel Wind Farm

Location

Castro County, Texas

Capacity

276 MW

Fuel Resource

Wind

Ownership

Southern Power



Southern Power announced the acquisition of its fourth Texas wind facility – the 276 megawatt (MW) Bethel Wind Energy Center from Invenergy Services LLC in January 2017.

Blattner Energy Inc. constructed the Bethel Wind Energy Center, and Invenergy Services LLC will operate and maintain the facility upon completion. Construction activities began in January 2016 and the facility will become operational in January 2017.

The majority of the electricity and associated renewable energy credits (RECs) generated by the facility are sold under a long-term agreement with Google Energy. Southern Power, through its subsidiaries, will retain the remainder of the electricity and associated RECs, which it may keep or sell.

Technology

Bethel consists of 120 wind turbines manufactured by General Electric Renewable Energy.

Each turbine is mounted on top of an 80-meter-tall tower and has a 116-meter, three-blade rotor connected to a generator. Multiple wind turbines are electrically connected in parallel to the main power transformer where the energy is converted from 34.5kV to 115kV for interconnection.

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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