

Wildhorse Mountain Wind Facility

Location

Pushmataha County,
Oklahoma

Capacity

100 MW

Fuel Resource

Wind

Ownership

Southern Power



Southern Power announced the acquisition of the 100-megawatt (MW) Wildhorse Mountain Wind Facility, located in Pushmataha County, Oklahoma, in May 2018.

Roaring Fork Wind, a co-development partnership between RES and Vestas, developed the project. RES will also provide the balance of plant construction of the facility, and Vestas will provide long-term maintenance of the turbines through a 20-year service agreement. Wildhorse Mountain is expected to achieve commercial operation in the fourth quarter of 2019.

Once operational, all electric energy, capacity and other attributes generated by the facility will be sold under a 20-year power purchase agreement to Arkansas Electric Cooperative Corporation (AECC). AECC intends to sell the renewable energy credits associated with the electricity produced by Wildhorse Mountain.

Technology

Wildhorse Mountain is expected to consist of 29 wind turbines manufactured by Vestas.

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.

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