

Cactus Flats Wind Facility

Location

Concho County, Texas

Fuel Resource

Wind

Capacity

148 MW

Ownership

Southern Power



Southern Power announced the acquisition of its fifth Texas wind facility – the 148-megawatt (MW) Cactus Flats Wind Facility located in Concho County in July 2017.

RES Americas, LLC began construction on the facility in June 2017. Vestas will jointly maintain and operate the facility with Southern Power upon completion, which is expected to occur in the second quarter of 2018.

The majority of the electricity and associated renewable energy credits (RECs) generated by the facility will be sold under two separate power purchase agreements – a 15-year agreement with General Mills and a 12-year agreement with General Motors. Both General Mills and General Motors will have the option to keep or sell the associated RECs.

Technology

Cactus Flats is expected to consist of 43 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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