

KARANKAWA Wind Farm



Project Overview

Spanning 18,000 acres of agricultural land in south Texas, the Karankawa Wind Farm consists of 124 modern GE wind turbines ranging in capacity from 2.3 – 2.52 MW. Completed in 2019, the project is generating clean electricity for our customers and significant local revenue. Karankawa is the sixth, and largest, Texas wind farm in Avangrid Renewables' U.S. fleet of over 60 renewable energy projects.

Project Details

Project Capacity: 307.06 Megawatts (MW)

Wind Turbine Technology: 93 GE 2.52 MW turbines, 7 GE 2.5 MW turbines, 24 GE 2.3 MW turbines. Total tip height is as high as 499 feet for the 2.52 MW turbines.

Turbines have blade diameters ranging from 380 – 417 feet (116 – 127 meters) with blades sweeping an area of 10,568 – 12,668 square feet.

Project Location: Straddling San Patricio and Bee counties in South Texas between Corpus Christi and San Antonio, the project covers 18,000 acres. Turbines are hosted by 68 landowners who are expected to receive \$73 million in lease payments over the life of the project, an average of almost \$2 million per year, delivering a substantial economic benefit to local communities.

Project Status: Reached commercial operation in December, 2019.

Developer and Owner

Avangrid Renewables, LLC is a subsidiary of AVANGRID, Inc and a part of the IBERDROLA Group. It is a leading renewable energy company in the United States, owning and operating 7.3 gigawatts of installed renewable energy capacity, primarily using wind power, with a presence in 22 U.S. states. IBERDROLA, S.A., is an energy pioneer with one of the largest renewable asset bases of any company in the world. Avangrid Renewables is headquartered in Portland, Oregon.



Customers Served

The entire project output is under long-term contract with major utility and commercial customers:

- **Austin Energy (207 MW):** Austin Energy, the City of Austin's electric utility, serves more than 500,000 customer accounts and more than one million residents in Greater Austin. The utility's mission – to safely deliver clean, affordable, reliable energy and excellent customer service – has guided Austin Energy in powering the community and supporting the region's growth since 1895. For more information about Austin Energy, visit austinenergy.com.
- **Nike (100 MW):** NIKE, Inc., based in Beaverton, Ore., is the world's leading designer, marketer and distributor of athletic footwear, apparel, equipment and accessories for a wide variety of sports and fitness activities. As part of Nike's effort to Move to Zero, the company has committed to power 100% of its owned or operated facilities with renewable energy by 2025. With the opening of the Karankawa Wind Farm, Nike is now operating at 100% renewable energy for facilities in its North America geography; tracking toward its 2025 global commitment. For more information about Nike's work to help protect the future of sport, visit Purpose.Nike.com.

Supporting the Texas Economy

Karankawa will be an economic engine for years to come. This project delivers many economic benefits and represents an investment of over \$386 million by Avangrid Renewables. Construction employed over 350 people at its height and spent more than \$6 million locally. After achieving commercial operation, the facility employs 12 full time employees and will contribute over \$125 million in taxes over the lifetime of the project, or over \$3 million annually. These dollars will support schools, public health, fire, library, and other public services in the surrounding communities.



Environmental Benefits

The project provides 307.06 MW of clean energy to our customers. This represents an offset of carbon emissions comparable to the removal of over 34,000 cars from Texas roads. In addition, the Karankawa Wind Farm was designed with local wildlife in mind. Whooping cranes, an endangered species, are known to live along the Texas coast approximately 45 miles east of Karankawa. As a part of Avangrid Renewables' commitment to responsibly sited wind energy, over 90 miles of electrical cable were buried on site to reduce the risk of injury to whooping cranes and other birds from collision with overhead wires.

For more information, visit avangridrenewables.com or see us on Twitter, Facebook, LinkedIn, YouTube, and Instagram under the handle **AvangridRen**.

