

PEÑASCAL Wind Power Project



Project Overview

The Peñascal Wind Power Project, located in Kenedy County, Texas, is the first wind farm constructed along the Texas coast. The 84 turbines at this wind power project generate 202 megawatts (MW) of clean, renewable energy and contribute jobs and tax revenue to the local community. Typically, a 202 MW wind project can generate power for more than 70,000 homes, according to the American Wind Energy Association's calculation.



Protecting Wildlife

Situated south of Baffin Bay, Peñascal was developed to avoid or minimize environmental impacts on birds, wildlife and wetlands. Even before construction began, Iberdrola Renewables commissioned extensive wildlife studies. For three years, third-party wildlife biologists spent more than 4,000 hours in the field studying the site and avian patterns during a wide variety of weather conditions. Information gleaned from the studies showed that Peñascal has minimal impact on the environment and wildlife, including the annual migration patterns of raptors, passerines and other birds from throughout the central and eastern portions of North America.

Project Details and Benefits

Project Location: Just south of Baffin Bay near the town of Sarita in Kenedy County, Texas

Landowner: John G. Kenedy Jr. Charitable Trust

Approximate Acreage: 15,000 – The footprint of the turbines covers less than two percent of the project's total acreage.

Ongoing O&M Jobs: 10

Project Developer and Owner

Iberdrola Renewables is the leading wind energy provider in the world, with more than 9,000 MW of wind power online worldwide.

Customers

CPS Energy has entered into a 15-year agreement to purchase power generated by the Peñascal Wind Power Project. CPS Energy is the nation's largest municipally owned energy company, providing service to approximately 690,000 electric customers and almost 320,000 natural gas customers in and around America's seventh-largest city.

South Texas Electric Cooperative (STEC) has signed a 15-year agreement to purchase power generated by the Peñascal Wind Power Project. STEC was formed in 1944 to provide wholesale electric power to member cooperatives. Presently, STEC serves eight distribution cooperatives that provide service to over 170,000 members in 65 South Texas counties.

Turbine Supplier

The **Mitsubishi** 2.4 MW machine is designed for superior resistance to lightning strikes and high winds while delivering optimum performance and safety features.

Wind Energy

The American Wind Energy Association (AWEA) has announced that the industry installed more than 8,358 MW in 2008, shattering all previous records and expanding the nation's total wind power generating capacity by 50 percent in a single year. Wind farms in the United States now generate about 25,170 MW, enough electricity to power the equivalent of nearly 7 million average homes. (Source: AWEA, Jan. 2009)

