



Meadow Lake Wind Farm

Meadow Lake Wind Farm is located in northwestern Indiana in White County. The site offers many advantages as a location for a modern wind power project, including a strong, proven wind resource, excellent access to a transmission line, compatibility with existing land uses and proximity to power markets. The wind farm co-exists well with the agricultural land use in the area, allowing farmers to continue growing crops while generating revenue from the wind turbines.

Energy Output

Meadow Lake I Wind Farm has an installed capacity of 199.65 megawatts (MW), Phase II has an installed capacity of 99 MW and Phase III has an installed capacity of 103.5 MW, and Phase IV has an installed capacity of 98.7 MW. The wind farms generate enough clean, renewable energy to power approximately 138,000 average Indiana homes each year. EDP Renewables North America's Development team is developing additional phases with a potential installed capacity of up to 500 megawatts in White and Benton Counties.

Benefits to the Community

The four phases of Meadow Lake Wind Farm yield significant economic benefits to the community in the form of payments to landowners, local spending and annual community investment. In addition, the development, construction and operation of the wind farms have generated a significant number of jobs. During construction, more than 1,000 contractors were hired.

The wind farm helps provide energy security to the United States by diversifying the electricity generation portfolio, protecting against volatile natural gas spikes and utilizing a renewable, domestic source of energy.

¹ Figure based on metrics provided by the American Wind Energy Association (AWEA).





Environmental Benefits

Meadow Lake Wind Farm prevents the annual emission of carbon dioxide, a contributor to climate change; nitrogen oxide, which causes smog and sulfur dioxide, which causes acid rain. The annual environmental benefits are equivalent to taking approximately 183,000 cars off of the road.²

Landowners

Over 400 supportive landowners participate in the first four phases of the wind farm under long-term lease and easement agreements that cover turbines, access roads and transmission corridors.

Technology

Modern wind turbine generators are robust, sophisticated, high-tech machines designed to capture the kinetic energy of the wind and convert it into electricity. Wind turbines consist of three main parts: the tower, the blade and the nacelle. Most of the action takes place inside the nacelle, where motion is turned into electricity. The blades are attached to a shaft that runs into a gearbox. The gearbox steps up the speed of rotation, which then turns the generator producing AC electricity. Electricity must be produced at just the right frequency and voltage to be compatible with the utility grid.

EDPR NA has installed meteorological towers, and continues to monitor the wind characteristics in White and Benton Counties. The first phase of Meadow Lake Wind Farm consists of 121 Vestas V82 1.65 MW turbines. The second phase consists of 66 Acciona AW-82 turbines. The third phase consists of 69 GE SLE 1.5 MW turbines. Phase IV consists of 47 Suzlon S88 2.1 MW turbines.

Power Purchasers

Beginning in 2012, Ameren Illinois Utilities and Commonwealth Edison will each purchase 75 MW of the clean, renewable energy generated by the four phases wind farm (Commonwealth Edison will purchase 50 MW from Meadow Lake I; Commonwealth Edison will purchase 25 MW and Ameren Illinois Utilities will purchase 25 MW from Meadow Lake II; Ameren Illinois Utilities will purchase 25 MW from Meadow Lake III; and Ameren Illinois Utilities will purchase 25 MW from Meadow Lake IV). Currently, the electricity generated by the wind farm will be sold into the regional wholesale market. The associated energy credits will be used by businesses and organizations to comply with state renewable energy mandates or to voluntarily reduce the environmental impact of their operations.

About Us

EDP Renewables North America LLC ("EDPR NA") and its subsidiaries develop, construct, own and operate wind farms throughout North America. Based in Houston, Texas with 28 wind farms and over 10 offices across the United States and Canada, EDPR NA has developed more than 3,800 megawatts (MW) and operates over 3,600 MW of wind farms. With approximately 300 employees, EDPR NA's highly qualified team has a proven capacity to execute projects and achieve goals.

EDPR NA is owned by EDP Renováveis, S.A. ("EDP Renewables" or "EDPR"), a global leader in the renewable energy sector that develops, constructs, owns and operates renewable generation facilities. With a sound development pipeline, first class assets and market-leading operating capacity, EDPR has grown extensively in recent years. The company's long-term growth is driven by favorable renewable energy market conditions. EDPR is committed to renewable energy generation as it becomes increasingly reliable and competitive due to technological advancements that lead to greater efficiencies. The company operates in the most attractive markets, continuously expanding to new areas of the world. EDPR is currently present in the United States, Spain, Belgium, Brazil, Canada, France, Italy, Poland, Portugal, Romania, and the United Kingdom. EDPR is listed on the Euronext Lisbon Stock Exchange (NYSE Euronext: EDPR).

For more information, visit www.horizonwind.com and www.edpr.com.

² Figure based 2007 eGRID data and carbon equivalency conversions provided by the Environmental Protection Agency (EPA), and assuming 19.546 lbs of carbon dioxide are emitted per gallon of gasoline for an average light truck, which gets 17.6 miles per gallon; and assuming the average American drives 12,000 miles per year.