

Wind Power Projects

Duke Energy Renewables



At Duke Energy, we believe generating electricity from renewable resources will play an increasingly important role in the transition to cleaner energy. That's why we're developing innovative, renewable power projects to serve communities throughout the United States.

We currently have more than 1,600 megawatts of renewable wind energy in commercial operation nationwide— enough to power nearly half a million homes.

Since 2007, we've invested more than \$3 billion to grow our commercial wind and solar power business — helping our customers reduce their environmental footprint while meeting the demand for affordable, reliable and increasingly clean electricity.

Name/Location	Capacity	In-Service Date	Turbines	Manufacturer	Turbine Capacity	Power Offtake
Sweetwater Nolan County, TX	283 MW*	2003 - 2007	392	GE, MHI, Siemens	1.0 - 2.3 MW	Austin Energy, CPS, Others
Happy Jack Laramie County, WY	29 MW	Sept. 2008	14	Suzlon	2.1 MW	Cheyenne Light, Fuel & Power
Ocotillo Howard County, TX	59 MW	Nov. 2008	28	Suzlon	2.1 MW	Hedged
Notrees Ector & Winkler Counties, TX	153 MW	Apr. 2009	55 40	Vestas GE	1.65 MW 1.5 MW	Hedged
North Allegheny Blair & Cambria Counties, PA	70 MW	Sept. 2009	35	Gamesa	2 MW	FirstEnergy
Silver Sage Laramie County, WY	42 MW	Oct. 2009	20	Suzlon	2.1 MW	CLF&P, Platte River
Campbell Hill Converse County, WY	99 MW	Dec. 2009	66	GE	1.5 MW	PacifiCorp
Top of the World Converse County, WY	200 MW	Oct. 2010	66 44	GE Siemens	1.5 MW 2.3 MW	PacifiCorp
Kit Carson Kit Carson County, CO	51 MW	Nov. 2010	34	GE	1.5 MW	Tri-State Gen. & Transmission
Shirley Brown County, WI	20 MW	Dec. 2010	8	Nordex	2.5 MW	Wisconsin Public Service Corp
Cimarron II Gray County, KS	66 MW*	June 2012	57	Siemens	2.3 MW	Kansas City Power & Light
Ironwood Ford County, KS	84 MW*	Aug. 2012	73	Siemens	2.3 MW	Westar Energy
Laurel Hill Lycoming County, PA	69 MW	Oct. 2012	30	Siemens	2.3 MW	Delaware Municipal Electric Corp.
Los Vientos I Willacy County, TX	200 MW	Dec. 2012	87	Siemens	2.3 MW	CPS Energy
Los Vientos II Willacy County, TX	202 MW	Dec. 2012	84	MHI	2.4 MW	Austin Energy

Total: 1,627 MW

*Net Duke capacity. Total capacity is 585 MW for Sweetwater, 131 MW for Cimarron II and 168 MW for Ironwood.



About Duke Energy

Duke Energy is the largest electric power company in the United States, with more than \$100 billion in total assets. The company supplies and delivers electricity to approximately 7 million customers in the Southeast and Midwest. Headquartered in Charlotte, N.C., Duke Energy is a Fortune 250 company traded on the New York Stock Exchange under the symbol DUK.

Duke Energy Renewables, part of Duke Energy's Commercial Businesses, is a leader in developing innovative wind and solar solutions for customers throughout the United States. The company's growing portfolio of commercial renewable assets includes 15 wind farms and 17 solar farms in operation in 12 states, totaling more than 1,700 megawatts in electric-generating capacity. The business is dedicated to helping utilities, electric cooperatives and municipalities deliver affordable, reliable and clean energy to their customers.

To learn more about Duke Energy Renewables, visit duke-energy.com/renewables.

Committed to sustainability

For seven consecutive years, Duke Energy has been named to the elite Dow Jones Sustainability North America Index for excellence in environmental, social and financial performance. The company also has been recognized as one of Corporate Responsibility Magazine's "100 Best Corporate Citizens" for five consecutive years.

A century of experience

Duke Energy draws upon more than 100 years of experience designing, building and operating power plants. We got our start in renewable energy – hydroelectricity – in 1904 on the banks of the Catawba River in North Carolina. Today, our investments in wind and solar energy help Duke Energy Renewables customers meet their renewable energy requirements and long-term goals.

A long-term approach to wind power

We develop wind power projects with the intent to own and operate our facilities for years to come, setting us apart from many others in the industry.

Duke Energy Renewables is investing in more than just clean energy. Our wind and solar farms:

- Create jobs, particularly during construction
- Provide valuable tax revenue in communities across the country
- Provide steady, supplemental revenue for landowners
- Help reduce dependence on conventional sources of electricity

Duke Energy is proud to be a member of the American Wind Energy Association.



Notrees Battery Storage Project

In 2012, we completed our 36-megawatt Notrees Battery Storage Project, America's largest energy storage facility at a wind farm. Duke Energy matched a \$22 million grant from the U.S. Department of Energy to install large-scale batteries capable of storing electricity produced by our 153-megawatt Notrees wind farm in west Texas. Energy storage systems can be incorporated to act as a buffer between supply and demand to ensure the delivery of electricity to power our everyday lives. Developing an expertise in this advanced technology will help us expand the use of renewable energy, better integrate it into the power grid and become even more efficient at serving our customers.