

## Endeavor I & II Wind Energy Centers

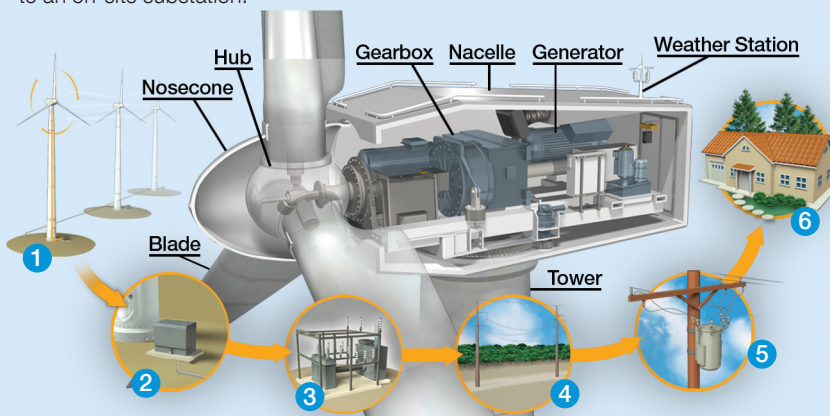


### About NextEra Energy Resources

- » A leading clean energy provider operating wind, natural gas, solar and nuclear power plants
- » A portfolio of power generating facilities across the United States and in Canada
- » The largest wind generator in North America
- » A subsidiary of NextEra Energy, Inc., with headquarters in Juno Beach, Florida
- » More than 95 percent of our electricity comes from clean or renewable sources
- » Visit us at [www.NextEraEnergyResources.com](http://www.NextEraEnergyResources.com)

### How a wind turbine works

- 1** A computer turns the nacelle and the rotor (which consists of three blades and a hub) to face into the wind. The turbine blades turn a generator to produce electricity. For safety purposes, the turbine shuts down automatically if the wind speed exceeds 55 miles per hour.
- 2** The electricity travels down the inside of the tower through electrical cables to a transformer at the base of the wind tower.
- 3** From the transformer, the electricity flows through an underground collection cable to an on-site substation.
- 4** From the substation, overhead electrical cables take the electricity to an off-site substation and into high-voltage transmission lines.
- 5** The electricity goes from the high-voltage transmission lines into local distribution lines.
- 6** The electricity is then distributed to homes, schools, businesses and other consumers.



### Overview

#### *Endeavor I*

- » Located in Osceola County, Iowa
- » 100 megawatts
- » 40 2.5-megawatt Clipper wind turbines

#### *Endeavor II*

- » Also located in Osceola County, Iowa
- » 50 megawatts
- » 20 2.5-megawatt Clipper wind turbines

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- » Operated by a subsidiary of NextEra Energy Resources
  - » Each wind turbine is about 262 feet tall from the ground to the hub in the center of the blades
  - » Combined, the site is capable of producing enough electricity for approximately 37,000 homes
  - » Both sites began commercial operation in 2008

### Benefits

- » Provides employment opportunities
- » Adds tax base to the county
- » Delivers landowner lease payments
- » Creates no air or water pollution
- » Uses no water in power generation
- » Allows land to remain in agricultural use
- » Supports economy through purchases of regional goods and services