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. From the transformer, the electricity flows through an underground collection cable to an on-site substation.

3 From the substation, overhead electrical cables take the electricity to an off-site substation and into high-voltage transmission lines.

4 The electricity goes from the high-voltage transmission lines into local distribution lines.

5 The electricity is then distributed to homes, schools, businesses and other consumers.

6 Sky River Wind Energy Center

Overview
- Located in Kern County, California
- Operated by a subsidiary of NextEra Energy Resources
- A 75-megawatt wind generation plant
- 327 230-kilowatt Vestas V27 turbines that are capable of generating enough electricity to power more than 23,000 homes
- Began commercial operation in 1991

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

About NextEra Energy Resources
- A leading clean energy provider operating wind, natural gas, solar and nuclear power plants
- A portfolio of generating assets 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

As of January 2014