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.

North Sky River Wind Energy Center

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

Overview

» Located in Kern County, California

» To be built, owned and operated by a subsidiary of NextEra Energy Resources

» A 162-megawatt wind generation plant

» 100 1.62-megawatt GE turbines that will be capable of generating enough electricity to power more than 40,000 homes

» Commercial operation expected to begin in 2012

» Interconnecting to Southern California Edison's new Highwind substation

Benefits

» Local employment opportunities
  -- peak construction, estimated 200 workers
  -- once operational, estimated 15 full-time employees

» Over $80 million in tax revenues for Kern County

» 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