

Wind Turbines: Converting the Energy of the Wind into Electricity B-Roll

Scene-by-Scene Description

Get the facts behind the footage available on the U.S. Department of Energy's (DOE) Office of Energy Efficiency and Renewable Energy (EERE) B-Roll Web site at eere.energy.gov/news/b_roll.cfm.

Video Title: Wind Turbine B-Roll

Video Only/No Audio

Location: Wind Farm, Cheyenne, Wyoming

Shoot Date: March 11, 2010

Total Running Time: 2:08

Scene 1: 00:05: View from the top of a wind turbine as the giant propeller slowly crosses the frame. A January 2010 study conducted by the National Renewable Energy Laboratory (NREL) estimated that the U.S. potential for wind-generated electricity is three times greater than previous estimates, due primarily to improvements in technology.

Scene 2: 01:09: Ground view of wind farm with road meandering through it; various shots of wind turbines in motion. DOE's Wind Powering America (windpoweringamerica.gov) initiative was developed to establish new sources of income for American farmers, Native Americans, and other rural landowners to meet the nation's growing demand for clean sources of electricity.

Learn More about U.S. Wind Technology Initiatives

In concert with industry partners, DOE's Wind and Water Power Program has developed a number of initiatives to drive down the cost of wind energy while exploring offshore capabilities. The National Wind Technology Center (nrel.gov/wind) at the Department's National Renewable Energy Laboratory collaborates with industry to reduce barriers in engineering, software development, market development, grid integration, and site development as well as address environmental concerns.

For comprehensive information on wind energy technologies, programs, and initiatives at DOE, visit eere.energy.gov/windandhydro.