



What is Wild Horse?

The Wild Horse Wind and Solar Facility is a unique renewable energy complex that harnesses the power of both the wind and the sun. Located in Washington state's Kittitas County, Wild Horse takes advantage of the region's strong, consistent winds and abundant sunshine to produce clean, renewable energy.

How much energy does Wild Horse produce from the wind?

With 127 wind turbines, Wild Horse has the capacity to produce 229 megawatts (MW) of electricity. A 22 wind-turbine expansion in 2009 will increase this by 44 MW to 273 total MW of capacity.



Wild Horse takes advantage of the region's strong winds to produce clean, renewable energy year-round.

According to the American Wind Energy Association, 1 MW of wind energy capacity equals the electrical needs of 225 to 300 average U.S. homes.

How much energy does Wild Horse produce from the sun?

The Wild Horse solar array is the largest utility-scale solar demonstration project in the Pacific Northwest and provides for much of the facility's on-site energy needs. Capable of generating 500 kilowatts (kW) of electricity, the solar array takes advantage of the clear skies enjoyed by Central Washington, which receives as much annual sunshine as Houston, Texas.

What kind of weather does Wild Horse experience?

Located at 3,500 feet of elevation on Whiskey Dick Mountain, Wild Horse is a place of extreme weather. Temperatures range from 0 to 100 degrees Fahrenheit (-20 to 35 degrees Celsius), with maximum recorded wind gusts exceeding 90 miles per hour (40 m/s).

The wind turbines and solar array are capable of operating in a wide range of weather conditions, with the turbines producing energy in winds ranging from 9 to 56 mph (4 to 25 m/s).



The Renewable Energy Center allows visitors to explore the latest technologies in wind and solar power, and learn about the Kittitas Valley.

What is the Renewable Energy Center?

The Renewable Energy Center is free and open to the public from April through November, and offers Wild Horse visitors a first-hand look at how energy can be made from the wind and sun, as well as Central Washington's natural and cultural history. For directions and information on tours and conference facilities, please call 509-964-7815.

How does Wild Horse benefit the economy and environment?

Wild Horse is a source of clean, renewable energy that also provides jobs, tax revenues and tourism for Kittitas County and Washington state. More than 25 full-time employees and \$1.3 million in property taxes now benefit the local economy, with more than 18,000 local and worldwide visitors to Wild Horse in 2008 boosting the area's tourism.

In constructing Wild Horse, PSE voluntarily created a conservation easement safeguarding 7,000 acres of threatened shrub-steppe habitat and planted 6,000 sagebrush plugs.

Wild Horse facts and figures:

Turbines
127 1.8 MW wind turbines
229 MW peak capacity
351 feet tall from the ground to the tip of vertical rotor blade
223 tons total weight per turbine

Wild Horse expansion (2009)
22 2.0 MW wind turbines
44 MW additional capacity

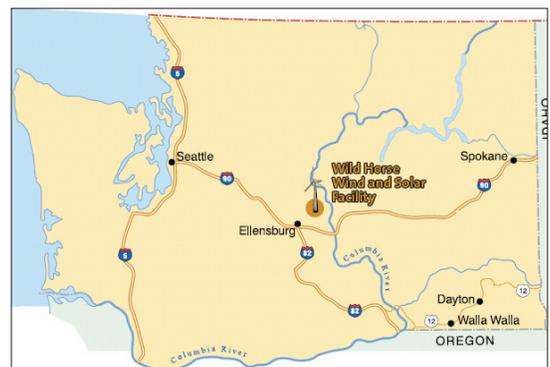
Solar array
500 kW capacity
2,408 solar panels (315 additional panels in planned expansion)



At 500 kW, the Wild Horse solar array is the Northwest's largest demonstration project of photovoltaic technology, which turns sunlight into electricity.

How to get to Wild Horse:

Wild Horse is located 16.5 miles east of Ellensburg, Wash., on the Old Vantage Highway. For complete directions, please visit PSE.com or call 509-964-7815.



The Wild Horse Wind and Solar Facility is located in Central Washington near Interstate 90, approximately 2.5 hours east of Seattle.