

Seven Mile Hill II Wind Project



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Pacific Power
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Thirteen turbines between Hanna and Medicine Bow, Wyo., borrow the wind to generate as much as 19.5 megawatts of energy. To the world, the Medicine Bow area is the backdrop of Owen Wister's novel "The Virginian," plus a movie and TV series of the same name. To wind power developers, it's an ideal location to generate renewable energy.

In fact, the area was home to the world's largest wind turbine in the late 1970s and early 1980s when the U.S. Bureau of Reclamation tested early wind power technology there with project support and turbine design from the U.S. Department of Energy.

The 1.5-MW turbines at both Seven Mile Hill and Seven Mile Hill II have intuitive microprocessor systems that rotate the blade angles to catch changing winds. The generators allow the turbine rotor speeds to vary below about 20 revolutions per minute, depending on wind conditions.

Those wind turbines benefit our customers with cost-effective energy. They also benefit neighboring communities. By their nature, wind projects are commonly built in more remote areas, where they help diversify predominantly agricultural economies. And they benefit nature with their minimal environmental footprint and absence of carbon emissions.

Wind is an important part of PacifiCorp's resource portfolio that complements our geothermal-fired generation, hydropower and energy generated by natural gas and coal to serve the needs of our customers.

Installed capacity:	19.5 MW
Turbines:	13
Turbine rating:	1.5 MW
Year of operation:	2008
Rotor diameter:	77 meters
Tower hub heights:	80 meters

PacifiCorp is one of the lowest-cost electricity producers in the United States, providing approximately 1.7 million customers in the West with reliable, efficient energy. PacifiCorp operates as Rocky Mountain Power in Utah, Wyoming and Idaho, and as Pacific Power in Oregon, Washington and California. PacifiCorp's electric generation, commercial and energy trading, and mining functions are operated as PacifiCorp Energy.

Some of the renewable attributes associated with PacifiCorp's owned wind projects and power purchased from contracted wind projects may be used to comply with state renewable portfolio standards or other regulatory requirements, or sold to third parties in the form of renewable energy credits or other environmental commodities.