Energy Facts

Idaho — WIND ENERGY

- Wind energy can be converted into electricity using a wind turbine like the one shown below.

- Wind energy is a renewable energy resource that does not emit air pollutants or carbon dioxide.

- Wind energy is a maturing technology. Commercial wind turbines have grown from 100 foot-tall turbines with capacities well below 100 kilowatts (kW) in the 1980’s to today’s massive multi-megawatt machines sitting atop 300 foot-tall towers.

- State-of-the-art technologies exist in every turbine classification, from small homeowner units up to massive 5 megawatts (MW) off-shore units.

Wind Energy in Idaho

- Idaho has an installed capacity of 973 MW of wind energy generation capacity as of 2013.¹

- Idaho's wind generation increased by nearly 35% in 2013, providing 16% of net electricity generation.²

- The 167.7 million megawatt-hours (MWh) of wind energy produced in the U.S. in 2013 reduced CO2 emissions by 126.8 million short tons, the equivalent of reducing power sector emissions by more than 5 percent or taking 20 million cars off the road.³

- Of the 126.8 million short tons of reduced CO2 emissions, Idaho has reduced CO2 emissions by 303,000 tons.³

- Wind power increased its share of U.S. total electricity generation in 2013 from 3.5% to 4.1%; Idaho was one of the states with more than twice the national share of 4.1% wind power.⁴

¹http://awea.rd.net/Resources/state.aspx?ItemNumber=5227
²http://www.eia.gov/state/?sid=ID
³AWEA analysis using AVERT
⁴http://www.eia.gov/todayinenergy/detail.cfm?id=15851
Operating Commercial-scale Wind Farms in Idaho

Operating Commercial-scale wind farms in Idaho as of 2014 are listed below.

Elmore County
- Bennett Creek - 21 MW
- Hot Springs – 21 MW
- IWP - Camp Reed Wind Farm – 22.5 MW
- Mtn Air - Cold Springs Wind Farm – 23 MW
- Mtn Air - Desert Meadow Windfarm – 23 MW
- Mtn Air - Hammett Hill Windfarm – 23 MW
- Mtn Air - Mainline Windfarm – 23 MW
- Mtn Air - Ryegrass Windfarm – 23 MW
- Mtn Air - Two Ponds Windfarm – 23 MW
- Sawtooth Wind Project – 22 MW

Gooding County
- Fossil Gulch - 10.5 MW

Bonneville County
- Horse Butte Wind - 57.6 MW
- Goshen North - 124.5 MW
- Meadow Creek - 119.7 MW
- Wolverine Creek - 64.5 MW

Cassia County
- IWP - Burley Butte - 19.5 MW
- IWP - Golden Valley - 12 MW
- IWP - Milner Dam Wind -19.5 MW

Twin Falls County
- Cassia Gulch Wind Farm - 18.9 MW
- Cassia Wind Farm - 10.5 MW
- High Mesa Wind - 39.9 MW
- IWP - Oregon Trail Wind Park - 13.5 MW
- IWP - Paynes Ferry Wind Farm - 21 MW
- IWP - Pilgrim Stage Station Wind Farm -10.5 MW
- IWP - Salmon Falls Wind Park - 21 MW
- IWP - Thousand Springs Wind Park - 12 MW
- IWP - Tuana Wind Park - 10.5 MW
- IWP - Yahoo Creek Wind Farm - 21 MW
- Tuana Springs -16.8 MW

Power County
- Power County Wind Park North - 22.5 MW
- Power County Wind Park South - 22.5 MW
- Rockland Wind - 79.2 MW

Find the ISEA Task Force Reports: www.energy.idaho.gov/energyalliance/taskforce.htm

5Renewable Northwest Project www.rnp.org