

Table 1. Summary Renewable Electric Power Industry Statistics (2010)

West Virginia

Primary Renewable Energy Capacity Source	Wind
Primary Renewable Energy Generation Source	Hydro Conventional

Capacity (megawatts)	Value	Percent of State Total
Total Net Summer Electricity Capacity	16,495	100.0
Total Net Summer Renewable Capacity	715	4.3
Geothermal	-	-
Hydro Conventional	285	1.7
Solar	-	-
Wind	431	2.6
Wood/Wood Waste	-	-
MSW/Landfill Gas	-	-
Other Biomass	-	-

Generation (thousand megawatthours)

Total Electricity Net Generation	80,789	100.0
Total Renewable Net Generation	2,307	2.9
Geothermal	-	-
Hydro Conventional	1,367	1.7
Solar	-	-
Wind	939	1.2
Wood/Wood Waste	-	0.0
MSW Biogenic/Landfill Gas	-	-
Other Biomass	-	0.0

- = No data reported.

Notes: Hydro Conventional does not include pumped storage. Solar includes solar thermal and photovoltaic. MSW = Municipal Solid Waste. Other Biomass includes agricultural byproducts/crops, sludge waste and other biomass solids, liquids and gases. MSW Biogenic includes paper and paper board, wood, food, leather, textiles and yard trimmings. Totals may not equal sum of components due to independent rounding.

Sources: Capacity: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." Generation: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 2. State Total Electric Power Industry Net Summer Capacity, by Energy Source, 2006 - 2010 (Megawatts)**West Virginia**

Energy Source	2006	2007	2008	2009	2010
Fossil	16,113	15,769	15,756	15,766	15,779
Coal	14,745	14,715	14,703	14,713	14,713
Petroleum	12	12	11	11	11
Natural Gas	1,357	1,042	1,042	1,042	1,056
Other Gases	-	-	-	-	-
Nuclear	-	-	-	-	-
Renewables	330	330	594	594	715
Pumped Storage	-	-	-	-	-
Other	-	-	-	-	-
Total	16,443	16,099	16,350	16,360	16,495

- = No data reported.

Notes: Petroleum includes petroleum liquids, petroleum coke, and waste oil. Natural Gas includes single-fired and dual-fired plants operating on natural gas. Other Gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels. Renewables include conventional hydro and other renewable technologies. Other includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tires and miscellaneous technologies. For cofired plants, all of the capacity is assigned to the primary energy source. Totals may not equal sum of components due to independent rounding.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 3. State Renewable Electric Power Industry Net Summer Capacity, by Energy Source, 2006 - 2010 (Megawatts)

West Virginia

Energy Source	2006	2007	2008	2009	2010
Geothermal	-	-	-	-	-
Hydro Conventional	264	264	264	264	285
Solar	-	-	-	-	-
Wind	66	66	330	330	431
Wood/Wood Waste	-	-	-	-	-
MSW/Landfill Gas	-	-	-	-	-
Other Biomass	-	-	-	-	-
Total	330	330	594	594	715

- = No data reported.

Notes: Hydro Conventional does not include pumped storage. Other Biomass includes agricultural byproducts/crops, sludge waste and other biomass solids, liquids and gases. Solar includes solar thermal and photovoltaic. MSW = Municipal Solid Waste. Totals may not equal sum of components due to independent rounding.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

**Table 4. State Total Electric Power Industry Net Generation, by Energy Source, 2006 - 2010
(Thousand Megawatthours)****West Virginia**

Energy Source	2006	2007	2008	2009	2010
Fossil	92,063	92,511	89,481	68,395	78,482
Coal	91,473	91,866	89,113	68,080	78,148
Petroleum	175	200	137	169	155
Natural Gas	362	389	180	109	140
Other Gases	53	56	50	36	40
Nuclear	-	-	-	-	-
Renewables	1,746	1,422	1,640	2,388	2,307
Pumped Storage	-	-	-	-	-
Other	6	s	2	s	1
Total	93,816	93,933	91,123	70,783	80,789

s = Value is less than 0.5 of the table metric, but value is included in any associated total.

- = No data reported.

Notes: Petroleum includes petroleum liquids, petroleum coke, and waste oil. Natural Gas includes single-fired and dual-fired plants operating on natural gas. Other Gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels. Renewables include conventional hydro and other renewable technologies. Other includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tires, non-biogenic MSW and miscellaneous technologies. For cofired plants, generation is prorated on the basis of energy source shares. Totals may not equal sum of components due to independent rounding.

Sources: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report," and predecessor forms.

**Table 5. State Renewable Electric Power Industry Net Generation, by Energy Source, 2006 - 2010
(Thousand Megawatthours)**

West Virginia

Energy Source	2006	2007	2008	2009	2010
Geothermal	-	-	-	-	-
Hydro Conventional	1,572	1,254	1,248	1,646	1,367
Solar	-	-	-	-	-
Wind	174	168	392	742	939
Wood/Wood Waste	-	-	s	-1	-
MSW Biogenic/Landfill Gas	-	-	-	-	-
Other Biomass	s	-	-	s	-
Total	1,746	1,422	1,640	2,388	2,307

s = Value is less than 0.5 of the table metric, but value is included in any associated total.

- = No data reported.

Notes: Hydro Conventional does not include pumped storage. Other Biomass includes agricultural byproducts/crops, sludge waste and other biomass solids, liquids and gases. Solar includes solar thermal and photovoltaic. MSW = Municipal Solid Waste. MSW Biogenic includes paper and paper board, wood, food, leather, textiles and yard trimmings. Totals may not equal sum of components due to independent rounding.

Sources: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report," and predecessor forms.