

Table 1. Summary Renewable Electric Power Industry Statistics (2006)

West Virginia

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

<u>Capacity (megawatts)</u>	<u>Value</u>	<u>Percent of State Total</u>
Total Net Summer Electricity Capacity	16,443	100.0
Total Net Summer Renewable Capacity	330	2.0
Geothermal	-	-
Hydro Conventional	264	1.6
Solar	-	-
Wind	66	0.4
Wood/Wood Waste	-	-
MSW/Landfill Gas	-	-
Other Biomass	-	-
 <u>Generation (thousand megawatthours)</u>		
Total Electricity Net Generation	93,816	100.0
Total Renewable Net Generation	1,746	1.9
Geothermal	-	-
Hydro Conventional	1,572	1.7
Solar	-	-
Wind	174	0.2
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: Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."
 Generation: Energy Information Administration, Form EIA-906, "Power Plant Report" and EIA-920, "Combined Heat and Power Plant Report."

Table 2. State Total Electric Power Industry Net Summer Capacity, by Energy Source, 2002 - 2006 (Megawatts)

West Virginia

Energy Source	2002	2003	2004	2005	2006
Fossil	15,879	15,879	16,112	16,130	16,113
Coal	14,716	14,716	14,723	14,733	14,745
Petroleum	12	12	12	12	12
Natural Gas	1,056	1,056	1,282	1,386	1,357
Other Gases	95	95	95	-	-
Nuclear	-	-	-	-	-
Renewables	301	245	290	330	330
Pumped Storage	-	-	-	-	-
Other	-	-	-	-	-
Total	16,180	16,124	16,402	16,460	16,443

- = 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: Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 3. State Renewable Electric Power Industry Net Summer Capacity, by Energy Source, 2002 - 2006 (Megawatts)

West Virginia

Energy Source	2002	2003	2004	2005	2006
Geothermal	-	-	-	-	-
Hydro Conventional	235	179	224	264	264
Solar	-	-	-	-	-
Wind	66	66	66	66	66
Wood/Wood Waste	-	-	-	-	-
MSW/Landfill Gas	-	-	-	-	-
Other Biomass	-	-	-	-	-
Total	301	245	290	330	330

- = 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: Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

**Table 4. State Total Electric Power Industry Net Generation, by Energy Source, 2002 - 2006
 (Thousand Megawatthours)**

West Virginia

Energy Source	2002	2003	2004	2005	2006
Fossil	93,665	93,165	88,255	92,013	92,063
Coal	92,951	92,469	87,589	91,420	91,477
Petroleum	298	248	268	224	175
Natural Gas	241	278	253	285	358
Other Gases	175	170	146	84	53
Nuclear	-	-	-	-	-
Renewables	1,080	1,530	1,482	1,602	1,746
Pumped Storage	-	-	-	-	-
Other	17	17	13	11	6
Total	94,762	94,712	89,750	93,626	93,816

- = 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: Energy Information Administration, Form EIA-906, "Power Plant Report" and EIA-920, "Combined Heat and Power Plant Report."

**Table 5. State Renewable Electric Power Industry Net Generation, by Energy Source, 2002 - 2006
 (Thousand Megawatthours)**

West Virginia

Energy Source	2002	2003	2004	2005	2006
Geothermal	-	-	-	-	-
Hydro Conventional	1,066	1,356	1,318	1,448	1,572
Solar	-	-	-	-	-
Wind	9	170	161	154	174
Wood/Wood Waste	s	s	1	s	-
MSW Biogenic/Landfill Gas	-	-	-	-	-
Other Biomass	6	4	2	s	-
Total	1,080	1,530	1,482	1,602	1,746

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: Energy Information Administration, Form EIA-906, "Power Plant Report" and EIA-920, "Combined Heat and Power Plant Report."