

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

Pennsylvania

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	45,005	100.0
Total Net Summer Renewable Capacity	1,365	3.0
Geothermal	-	-
Hydro Conventional	748	1.7
Solar	-	-
Wind	150	0.3
Wood/Wood Waste	108	0.2
MSW/Landfill Gas	359	0.8
Other Biomass	-	-
 <u>Generation (thousand megawatthours)</u>		
Total Electricity Net Generation	218,812	100.0
Total Renewable Net Generation	5,322	2.4
Geothermal	-	-
Hydro Conventional	2,844	1.3
Solar	-	-
Wind	361	0.2
Wood/Wood Waste	688	0.3
MSW Biogenic/Landfill Gas	1,411	0.6
Other Biomass	18	*

* = Absolute percentage less than 0.05.
 - = 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)

Pennsylvania

Energy Source	2002	2003	2004	2005	2006
Fossil	28,083	30,361	33,074	32,774	32,893
Coal	18,384	18,137	18,662	18,659	18,771
Petroleum	3,372	5,030	4,918	4,604	4,664
Natural Gas	6,223	7,083	9,384	9,400	9,349
Other Gases	105	110	110	110	110
Nuclear	9,127	9,175	9,229	9,195	9,234
Renewables	1,228	1,326	1,329	1,423	1,365
Pumped Storage	1,345	1,507	1,505	1,505	1,513
Other	-	-	-	-	-
Total	39,783	42,368	45,136	44,897	45,005

- = 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)

Pennsylvania

Energy Source	2002	2003	2004	2005	2006
Geothermal	-	-	-	-	-
Hydro Conventional	751	751	751	748	748
Solar	-	-	-	-	-
Wind	34	132	132	223	150
Wood/Wood Waste	98	105	108	108	108
MSW/Landfill Gas	345	338	338	344	359
Other Biomass	-	-	-	-	-
Total	1,228	1,326	1,329	1,423	1,365

- = 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)**

Pennsylvania

Energy Source	2002	2003	2004	2005	2006
Fossil	123,924	126,572	131,714	137,220	138,169
Coal	113,906	116,010	117,181	120,938	122,549
Petroleum	2,733	4,535	4,123	4,965	1,573
Natural Gas	6,716	5,519	9,829	10,806	13,540
Other Gases	569	508	581	511	507
Nuclear	76,089	74,361	77,459	76,289	75,298
Renewables	4,273	5,444	5,432	4,562	5,322
Pumped Storage	-658	-739	-686	-711	-698
Other	695	712	740	731	722
Total	204,323	206,350	214,659	218,091	218,812

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)**

Pennsylvania

Energy Source	2002	2003	2004	2005	2006
Geothermal	-	-	-	-	-
Hydro Conventional	2,211	3,346	3,155	2,232	2,844
Solar	-	-	-	-	-
Wind	58	112	306	284	361
Wood/Wood Waste	766	735	681	687	688
MSW Biogenic/Landfill Gas	1,233	1,243	1,279	1,352	1,411
Other Biomass	6	8	10	6	18
Total	4,273	5,444	5,432	4,562	5,322

- = 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."