

Table 1. Summary Renewable Electric Power Industry Statistics (2007)

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</u>	<u>Total</u>
Total Net Summer Electricity Capacity	45,106	100.0	
Total Net Summer Renewable Capacity	1,529	3.4	
Geothermal	-	-	
Hydro Conventional	748	1.7	
Solar	-	-	
Wind	293	0.7	
Wood/Wood Waste	108	0.2	
MSW/Landfill Gas	379	0.8	
Other Biomass	-	-	
<u>Generation (thousand megawatthours)</u>			
Total Electricity Net Generation	226,088	100.0	
Total Renewable Net Generation	4,782	2.1	
Geothermal	-	-	
Hydro Conventional	2,236	1.0	
Solar	-	-	
Wind	470	0.2	
Wood/Wood Waste	620	0.3	
MSW Biogenic/Landfill Gas	1,441	0.6	
Other Biomass	16	*	

* = 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, 2003 - 2007 (Megawatts)

Pennsylvania

Energy Source	2003	2004	2005	2006	2007
Fossil	30,361	33,074	32,774	32,893	32,751
Coal	18,137	18,662	18,659	18,771	18,581
Petroleum	5,030	4,918	4,604	4,664	4,660
Natural Gas	7,083	9,384	9,400	9,349	9,410
Other Gases	110	110	110	110	100
Nuclear	9,175	9,229	9,195	9,234	9,305
Renewables	1,326	1,329	1,423	1,365	1,529
Pumped Storage	1,507	1,505	1,505	1,513	1,521
Other	-	-	-	-	-
Total	42,368	45,136	44,897	45,005	45,106

- = 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, 2003 - 2007 (Megawatts)

Pennsylvania

Energy Source	2003	2004	2005	2006	2007
Geothermal	-	-	-	-	-
Hydro Conventional	751	751	748	748	748
Solar	-	-	-	-	-
Wind	132	132	223	150	293
Wood/Wood Waste	105	108	108	108	108
MSW/Landfill Gas	338	338	344	359	379
Other Biomass	-	-	-	-	-
Total	1,326	1,329	1,423	1,365	1,529

- = 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, 2003 - 2007
(Thousand Megawatthours)**

Pennsylvania

Energy Source	2003	2004	2005	2006	2007
Fossil	126,572	131,715	137,221	138,173	143,909
Coal	116,010	117,176	120,933	122,558	122,693
Petroleum	4,535	4,142	4,940	1,518	1,484
Natural Gas	5,519	9,814	10,808	13,542	19,198
Other Gases	508	584	540	554	534
Nuclear	74,361	77,459	76,289	75,298	77,376
Renewables	5,444	5,431	4,561	5,317	4,782
Pumped Storage	-739	-686	-711	-698	-723
Other	712	740	731	723	744
Total	206,350	214,659	218,091	218,812	226,088

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, 2003 - 2007
(Thousand Megawatthours)**

Pennsylvania

Energy Source	2003	2004	2005	2006	2007
Geothermal	-	-	-	-	-
Hydro Conventional	3,346	3,155	2,232	2,844	2,236
Solar	-	-	-	-	-
Wind	112	306	284	361	470
Wood/Wood Waste	735	680	687	683	620
MSW Biogenic/Landfill Gas	1,243	1,279	1,352	1,411	1,441
Other Biomass	8	10	6	18	16
Total	5,444	5,431	4,561	5,317	4,782

- = 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."