

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

Pennsylvania

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

Capacity (megawatts)	Value	Percent of State Total
Total Net Summer Electricity Capacity	45,575	100.0
Total Net Summer Renewable Capacity	1,984	4.4
Geothermal	-	-
Hydro Conventional	747	1.6
Solar	9	*
Wind	696	1.5
Wood/Wood Waste	108	0.2
MSW/Landfill Gas	424	0.9
Other Biomass	-	-

Generation (thousand megawatthours)

Total Electricity Net Generation	229,752	100.0
Total Renewable Net Generation	6,577	2.9
Geothermal	-	-
Hydro Conventional	2,332	1.0
Solar	8	*
Wind	1,854	0.8
Wood/Wood Waste	675	0.3
MSW Biogenic/Landfill Gas	1,706	0.7
Other Biomass	3	*

* = 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: 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)**Pennsylvania**

Energy Source	2006	2007	2008	2009	2010
Fossil	32,893	32,751	32,654	32,663	32,530
Coal	18,771	18,581	18,513	18,539	18,481
Petroleum	4,664	4,660	4,540	4,533	4,534
Natural Gas	9,349	9,410	9,507	9,491	9,415
Other Gases	110	100	94	101	100
Nuclear	9,234	9,305	9,337	9,455	9,540
Renewables	1,365	1,529	1,619	1,971	1,984
Pumped Storage	1,513	1,521	1,521	1,521	1,521
Other	-	-	-	-	-
Total	45,005	45,106	45,130	45,611	45,575

- = 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)

Pennsylvania

Energy Source	2006	2007	2008	2009	2010
Geothermal	-	-	-	-	-
Hydro Conventional	748	748	751	747	747
Solar	-	-	2	2	9
Wind	150	293	361	696	696
Wood/Wood Waste	108	108	108	108	108
MSW/Landfill Gas	359	379	397	419	424
Other Biomass	-	-	-	-	-
Total	1,365	1,529	1,619	1,971	1,984

- = 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)****Pennsylvania**

Energy Source	2006	2007	2008	2009	2010
Fossil	138,173	143,909	137,862	136,047	145,210
Coal	122,558	122,693	117,583	105,475	110,369
Petroleum	1,518	1,484	938	915	571
Natural Gas	13,542	19,198	18,731	29,215	33,718
Other Gases	554	534	610	443	552
Nuclear	75,298	77,376	78,658	77,328	77,828
Renewables	5,317	4,782	5,353	6,035	6,577
Pumped Storage	-698	-723	-354	-731	-708
Other	723	744	832	817	845
Total	218,812	226,088	222,351	219,496	229,752

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)**

Pennsylvania

Energy Source	2006	2007	2008	2009	2010
Geothermal	-	-	-	-	-
Hydro Conventional	2,844	2,236	2,549	2,683	2,332
Solar	-	-	s	4	8
Wind	361	470	729	1,075	1,854
Wood/Wood Waste	683	620	658	694	675
MSW Biogenic/Landfill Gas	1,411	1,441	1,414	1,577	1,706
Other Biomass	18	16	2	3	3
Total	5,317	4,782	5,353	6,035	6,577

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.