

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

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	20,453	100.0
Total Net Summer Renewable Capacity	893	4.4
Geothermal	-	-
Hydro Conventional	824	4.0
Solar	-	-
Wind	-	-
Wood/Wood Waste	52	0.3
MSW/Landfill Gas	17	0.1
Other Biomass	-	-
Generation (thousand megawatthours)		
Total Electricity Net Generation	98,218	100.0
Total Renewable Net Generation	3,020	3.1
Geothermal	-	-
Hydro Conventional	2,580	2.6
Solar	-	-
Wind	-	-
Wood/Wood Waste	349	0.4
MSW Biogenic/Landfill Gas	89	0.1
Other Biomass	2	*

* = 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)**Kentucky**

Energy Source	2006	2007	2008	2009	2010
Fossil	19,177	19,088	19,016	19,268	19,560
Coal	14,386	14,374	14,301	14,553	14,566
Petroleum	135	77	77	77	70
Natural Gas	4,656	4,638	4,638	4,638	4,924
Other Gases	-	-	-	-	-
Nuclear	-	-	-	-	-
Renewables	871	880	886	893	893
Pumped Storage	-	-	-	-	-
Other	-	-	-	-	-
Total	20,047	19,968	19,902	20,160	20,453

- = 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)

Kentucky

Energy Source	2006	2007	2008	2009	2010
Geothermal	-	-	-	-	-
Hydro Conventional	815	817	824	824	824
Solar	-	-	-	-	-
Wind	-	-	-	-	-
Wood/Wood Waste	43	47	47	52	52
MSW/Landfill Gas	12	15	15	17	17
Other Biomass	-	-	-	-	-
Total	871	880	886	893	893

- = 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)****Kentucky**

Energy Source	2006	2007	2008	2009	2010
Fossil	95,720	95,075	95,478	86,937	95,182
Coal	91,198	90,483	91,621	84,038	91,054
Petroleum	3,341	2,791	2,874	2,016	2,285
Natural Gas	1,177	1,796	979	878	1,841
Other Gases	4	5	4	4	3
Nuclear	-	-	-	-	-
Renewables	3,050	2,134	2,377	3,681	3,020
Pumped Storage	-	-	-	-	-
Other	22	16	9	13	15
Total	98,792	97,225	97,863	90,630	98,218

- = 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)**

Kentucky

Energy Source	2006	2007	2008	2009	2010
Geothermal	-	-	-	-	-
Hydro Conventional	2,592	1,669	1,917	3,318	2,580
Solar	-	-	-	-	-
Wind	-	-	-	-	-
Wood/Wood Waste	369	370	351	263	349
MSW Biogenic/Landfill Gas	88	93	105	96	89
Other Biomass	2	2	4	4	2
Total	3,050	2,134	2,377	3,681	3,020

- = 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.