

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

**Kentucky**

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>
<b>Total Net Summer Electricity Capacity</b>	<b>19,968</b>	<b>100.0</b>
<b>Total Net Summer Renewable Capacity</b>	<b>880</b>	<b>4.4</b>
Geothermal	-	-
Hydro Conventional	817	4.1
Solar	-	-
Wind	-	-
Wood/Wood Waste	47	0.2
MSW/Landfill Gas	15	0.1
Other Biomass	-	-
 <u>Generation (thousand megawatthours)</u>		
<b>Total Electricity Net Generation</b>	<b>97,225</b>	<b>100.0</b>
<b>Total Renewable Net Generation</b>	<b>2,134</b>	<b>2.2</b>
Geothermal	-	-
Hydro Conventional	1,669	1.7
Solar	-	-
Wind	-	-
Wood/Wood Waste	370	0.4
MSW Biogenic/Landfill Gas	93	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: 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)**

**Kentucky**

<b>Energy Source</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>
Fossil	18,199	18,758	19,131	19,177	19,088
Coal	14,151	14,157	14,337	14,386	14,374
Petroleum	173	137	137	135	77
Natural Gas	3,875	4,464	4,657	4,656	4,638
Other Gases	-	-	-	-	-
Nuclear	-	-	-	-	-
Renewables	869	869	870	871	880
Pumped Storage	-	-	-	-	-
Other	-	-	-	-	-
<b>Total</b>	<b>19,068</b>	<b>19,627</b>	<b>20,001</b>	<b>20,047</b>	<b>19,968</b>

- = 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)**

**Kentucky**

<b>Energy Source</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>
Geothermal	-	-	-	-	-
Hydro Conventional	818	817	817	815	817
Solar	-	-	-	-	-
Wind	-	-	-	-	-
Wood/Wood Waste	51	43	43	43	47
MSW/Landfill Gas	-	9	10	12	15
Other Biomass	-	-	-	-	-
<b>Total</b>	<b>869</b>	<b>869</b>	<b>870</b>	<b>871</b>	<b>880</b>

- = 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)**

**Kentucky**

<b>Energy Source</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>
Fossil	87,450	90,323	94,423	95,720	95,075
Coal	84,061	86,121	89,083	91,198	90,483
Petroleum	2,945	3,621	3,681	3,341	2,791
Natural Gas	444	580	1,654	1,177	1,796
Other Gases	-	2	5	4	5
Nuclear	-	-	-	-	-
Renewables	4,247	4,191	3,383	3,050	2,134
Pumped Storage	-	-	-	-	-
Other	22	16	17	22	16
<b>Total</b>	<b>91,719</b>	<b>94,530</b>	<b>97,822</b>	<b>98,792</b>	<b>97,225</b>

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

**Kentucky**

<b>Energy Source</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>
Geothermal	-	-	-	-	-
Hydro Conventional	3,948	3,780	2,961	2,592	1,669
Solar	-	-	-	-	-
Wind	-	-	-	-	-
Wood/Wood Waste	298	349	358	369	370
MSW Biogenic/Landfill Gas	-	57	62	88	93
Other Biomass	1	5	1	2	2
<b>Total</b>	<b>4,247</b>	<b>4,191</b>	<b>3,383</b>	<b>3,050</b>	<b>2,134</b>

- = 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."