

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

Tennessee

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	20,861	100.0
Total Net Summer Renewable Capacity	2,838	13.6
Geothermal	-	-
Hydro Conventional	2,635	12.6
Solar	-	-
Wind	29	0.1
Wood/Wood Waste	165	0.8
MSW/Landfill Gas	8	*
Other Biomass	2	*
 <u>Generation (thousand megawatthours)</u>		
Total Electricity Net Generation	95,113	100.0
Total Renewable Net Generation	5,910	6.2
Geothermal	-	-
Hydro Conventional	4,940	5.2
Solar	-	-
Wind	50	0.1
Wood/Wood Waste	868	0.9
MSW Biogenic/Landfill Gas	19	*
Other Biomass	33	*

* = 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)

Tennessee

Energy Source	2003	2004	2005	2006	2007
Fossil	13,175	13,198	12,997	13,051	12,974
Coal	8,885	8,899	8,874	8,841	8,816
Petroleum	56	56	58	58	58
Natural Gas	4,234	4,243	4,066	4,153	4,101
Other Gases	-	-	-	-	-
Nuclear	3,398	3,398	3,398	3,398	3,397
Renewables	2,668	2,748	2,756	2,821	2,838
Pumped Storage	1,652	1,597	1,597	1,635	1,653
Other	-	-	-	-	-
Total	20,893	20,941	20,749	20,905	20,861

- = 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)

Tennessee

Energy Source	2003	2004	2005	2006	2007
Geothermal	-	-	-	-	-
Hydro Conventional	2,554	2,608	2,608	2,638	2,635
Solar	-	-	-	-	-
Wind	2	29	29	29	29
Wood/Wood Waste	107	107	113	147	165
MSW/Landfill Gas	5	5	5	5	8
Other Biomass	-	-	2	2	2
Total	2,668	2,748	2,756	2,821	2,838

- = 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)**

Tennessee

Energy Source	2003	2004	2005	2006	2007
Fossil	55,957	58,556	59,828	61,336	61,205
Coal	54,921	58,060	59,051	60,498	60,237
Petroleum	406	191	231	160	232
Natural Gas	627	292	531	664	722
Other Gases	3	13	15	14	13
Nuclear	24,153	28,612	27,803	24,679	28,700
Renewables	12,833	11,238	10,076	8,559	5,910
Pumped Storage	-729	-818	-598	-668	-704
Other	7	6	9	5	3
Total	92,222	97,595	97,117	93,911	95,113

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)**

Tennessee

Energy Source	2003	2004	2005	2006	2007
Geothermal	-	-	-	-	-
Hydro Conventional	12,004	10,408	9,310	7,749	4,940
Solar	-	-	-	-	-
Wind	4	4	3	55	50
Wood/Wood Waste	767	784	695	698	868
MSW Biogenic/Landfill Gas	28	20	27	24	19
Other Biomass	31	22	41	35	33
Total	12,833	11,238	10,076	8,559	5,910

- = 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."