

Table 1. Summary Renewable Electric Power Industry Statistics (2006)

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	20,905	100.0
Total Net Summer Renewable Capacity	2,821	13.5
Geothermal	-	-
Hydro Conventional	2,638	12.6
Solar	-	-
Wind	29	0.1
Wood/Wood Waste	147	0.7
MSW/Landfill Gas	5	*
Other Biomass	2	*
 Generation (thousand megawatthours)		
Total Electricity Net Generation	93,911	100.0
Total Renewable Net Generation	8,274	8.8
Geothermal	-	-
Hydro Conventional	7,749	8.3
Solar	-	-
Wind	55	0.1
Wood/Wood Waste	446	0.5
MSW Biogenic/Landfill Gas	24	*
Other Biomass	1	*

* = 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, 2002 - 2006 (Megawatts)

Tennessee

Energy Source	2002	2003	2004	2005	2006
Fossil	13,084	13,175	13,198	12,997	13,051
Coal	8,878	8,885	8,899	8,874	8,841
Petroleum	56	56	56	58	58
Natural Gas	4,150	4,234	4,243	4,066	4,153
Other Gases	-	-	-	-	-
Nuclear	3,389	3,398	3,398	3,398	3,398
Renewables	2,627	2,668	2,748	2,756	2,821
Pumped Storage	1,624	1,652	1,597	1,597	1,635
Other	-	-	-	-	-
Total	20,723	20,893	20,941	20,749	20,905

- = 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, 2002 - 2006 (Megawatts)

Tennessee

Energy Source	2002	2003	2004	2005	2006
Geothermal	-	-	-	-	-
Hydro Conventional	2,513	2,554	2,608	2,608	2,638
Solar	-	-	-	-	-
Wind	2	2	29	29	29
Wood/Wood Waste	107	107	107	113	147
MSW/Landfill Gas	5	5	5	5	5
Other Biomass	-	-	-	2	2
Total	2,627	2,668	2,748	2,756	2,821

- = 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, 2002 - 2006
 (Thousand Megawatthours)**

Tennessee

Energy Source	2002	2003	2004	2005	2006
Fossil	60,457	55,957	58,808	60,044	61,626
Coal	59,706	54,921	58,317	59,277	60,819
Petroleum	270	406	190	231	160
Natural Gas	470	627	301	536	647
Other Gases	12	3	-	-	-
Nuclear	27,574	24,153	28,612	27,803	24,679
Renewables	8,774	12,833	10,992	9,868	8,274
Pumped Storage	-696	-729	-818	-598	-668
Other	6	7	-	-	-
Total	96,114	92,222	97,595	97,117	93,911

- = 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, 2002 - 2006
 (Thousand Megawatthours)**

Tennessee

Energy Source	2002	2003	2004	2005	2006
Geothermal	-	-	-	-	-
Hydro Conventional	7,974	12,004	10,408	9,310	7,749
Solar	-	-	-	-	-
Wind	4	4	4	3	55
Wood/Wood Waste	751	767	560	528	446
MSW Biogenic/Landfill Gas	36	28	20	27	24
Other Biomass	9	31	-	-	1
Total	8,774	12,833	10,992	9,868	8,274

- = 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."