

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

Primary Renewable Energy Capacity Source
 Primary Renewable Energy Generation Source

Hydro Conventional
 Hydro Conventional

Capacity (megawatts)	Value	Percent of State Total
Total Net Summer Electricity Capacity	21,417	100.0
Total Net Summer Renewable Capacity	2,847	13.3
Geothermal	-	-
Hydro Conventional	2,624	12.3
Solar	-	-
Wind	29	0.1
Wood/Wood Waste	185	0.9
MSW/Landfill Gas	6	*
Other Biomass	2	*
Generation (thousand megawatthours)		
Total Electricity Net Generation	82,349	100.0
Total Renewable Net Generation	9,125	11.1
Geothermal	-	-
Hydro Conventional	8,138	9.9
Solar	-	-
Wind	41	*
Wood/Wood Waste	914	1.1
MSW Biogenic/Landfill Gas	23	*
Other Biomass	11	*

* = 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)**Tennessee**

Energy Source	2006	2007	2008	2009	2010
Fossil	13,051	12,974	12,999	12,982	13,517
Coal	8,841	8,816	8,841	8,805	8,805
Petroleum	58	58	58	58	58
Natural Gas	4,153	4,101	4,101	4,120	4,655
Other Gases	-	-	-	-	-
Nuclear	3,398	3,397	3,397	3,401	3,401
Renewables	2,821	2,838	2,842	2,817	2,847
Pumped Storage	1,635	1,653	1,653	1,653	1,653
Other	-	-	-	-	-
Total	20,905	20,861	20,891	20,852	21,417

- = 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)

Tennessee

Energy Source	2006	2007	2008	2009	2010
Geothermal	-	-	-	-	-
Hydro Conventional	2,638	2,635	2,639	2,614	2,624
Solar	-	-	-	-	-
Wind	29	29	29	29	29
Wood/Wood Waste	147	165	165	165	185
MSW/Landfill Gas	5	8	8	8	6
Other Biomass	2	2	2	2	2
Total	2,821	2,838	2,842	2,817	2,847

- = 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)****Tennessee**

Energy Source	2006	2007	2008	2009	2010
Fossil	61,336	61,205	57,753	42,242	46,203
Coal	60,498	60,237	57,058	41,633	43,670
Petroleum	160	232	216	187	217
Natural Gas	664	722	467	409	2,302
Other Gases	14	13	12	12	13
Nuclear	24,679	28,700	27,030	26,962	27,739
Renewables	8,559	5,910	6,611	11,162	9,125
Pumped Storage	-668	-704	-739	-650	-721
Other	5	3	8	1	3
Total	93,911	95,113	90,663	79,717	82,349

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)**

Tennessee

Energy Source	2006	2007	2008	2009	2010
Geothermal	-	-	-	-	-
Hydro Conventional	7,749	4,940	5,646	10,212	8,138
Solar	-	-	-	-	-
Wind	55	50	50	52	41
Wood/Wood Waste	698	868	879	862	914
MSW Biogenic/Landfill Gas	24	19	27	29	23
Other Biomass	35	33	9	7	11
Total	8,559	5,910	6,611	11,162	9,125

- = 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.