

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

**Massachusetts**

Primary Renewable Energy Capacity Source	Municipal Solid Waste/Landfill Gas
Primary Renewable Energy Generation Source	Municipal Solid Waste/Landfill Gas

<u>Capacity (megawatts)</u>	<u>Value</u>	<u>Percent of State Total</u>
<b>Total Net Summer Electricity Capacity</b>	<b>13,557</b>	<b>100.0</b>
<b>Total Net Summer Renewable Capacity</b>	<b>560</b>	<b>4.1</b>
Geothermal	-	-
Hydro Conventional	259	1.9
Solar	-	-
Wind	2	*
Wood/Wood Waste	26	0.2
MSW/Landfill Gas	264	1.9
Other Biomass	9	0.1
 <u>Generation (thousand megawatthours)</u>		
<b>Total Electricity Net Generation</b>	<b>47,076</b>	<b>100.0</b>
<b>Total Renewable Net Generation</b>	<b>2,038</b>	<b>4.3</b>
Geothermal	-	-
Hydro Conventional	797	1.7
Solar	-	-
Wind	-	-
Wood/Wood Waste	119	0.3
MSW Biogenic/Landfill Gas	1,094	2.3
Other Biomass	27	0.1

\* = 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, 2003 - 2007 (Megawatts)**

**Massachusetts**

<b>Energy Source</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>
Fossil	10,984	11,122	11,085	11,050	10,670
Coal	1,659	1,723	1,743	1,743	1,744
Petroleum	3,780	3,242	3,241	3,219	3,137
Natural Gas	5,544	6,157	6,102	6,089	5,789
Other Gases	-	-	-	-	-
Nuclear	685	685	685	685	685
Renewables	566	553	556	554	560
Pumped Storage	1,643	1,643	1,643	1,643	1,643
Other	-	-	-	-	-
<b>Total</b>	<b>13,877</b>	<b>14,002</b>	<b>13,969</b>	<b>13,932</b>	<b>13,557</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)**

**Massachusetts**

<b>Energy Source</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>
Geothermal	-	-	-	-	-
Hydro Conventional	261	260	260	259	259
Solar	-	-	-	-	-
Wind	-	-	-	-	2
Wood/Wood Waste	26	26	26	26	26
MSW/Landfill Gas	258	258	261	261	264
Other Biomass	21	9	9	9	9
<b>Total</b>	<b>566</b>	<b>553</b>	<b>556</b>	<b>554</b>	<b>560</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)**

**Massachusetts**

<b>Energy Source</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>
Fossil	40,779	39,031	39,429	36,773	40,001
Coal	10,896	10,526	12,034	11,138	12,024
Petroleum	7,459	7,533	7,026	2,328	3,052
Natural Gas	22,424	20,972	20,369	23,307	24,925
Other Gases	-	-	-	-	-
Nuclear	4,978	5,939	5,475	5,830	5,120
Renewables	2,328	2,228	2,300	2,791	2,038
Pumped Storage	-511	-498	-462	-579	-831
Other	810	801	772	782	748
<b>Total</b>	<b>48,385</b>	<b>47,500</b>	<b>47,515</b>	<b>45,598</b>	<b>47,076</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)**

**Massachusetts**

<b>Energy Source</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>
Geothermal	-	-	-	-	-
Hydro Conventional	1,075	998	1,042	1,513	797
Solar	-	-	-	-	-
Wind	-	-	-	-	-
Wood/Wood Waste	120	114	120	125	119
MSW Biogenic/Landfill Gas	1,109	1,100	1,114	1,126	1,094
Other Biomass	25	16	25	27	27
<b>Total</b>	<b>2,328</b>	<b>2,228</b>	<b>2,300</b>	<b>2,791</b>	<b>2,038</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."