

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

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

Capacity (megawatts)	Value	Percent of State Total
Total Net Summer Electricity Capacity	13,697	100.0
Total Net Summer Renewable Capacity	566	4.1
Geothermal	-	-
Hydro Conventional	262	1.9
Solar	4	*
Wind	10	0.1
Wood/Wood Waste	26	0.2
MSW/Landfill Gas	255	1.9
Other Biomass	9	0.1

Generation (thousand megawatthours)

Total Electricity Net Generation	42,805	100.0
Total Renewable Net Generation	2,270	5.3
Geothermal	-	-
Hydro Conventional	996	2.3
Solar	1	*
Wind	22	0.1
Wood/Wood Waste	125	0.3
MSW Biogenic/Landfill Gas	1,125	2.6
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: 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)**Massachusetts**

Energy Source	2006	2007	2008	2009	2010
Fossil	11,050	10,670	10,621	10,770	10,763
Coal	1,743	1,744	1,662	1,668	1,669
Petroleum	3,219	3,137	3,120	3,125	3,031
Natural Gas	6,089	5,789	5,839	5,977	6,063
Other Gases	-	-	-	-	-
Nuclear	685	685	685	685	685
Renewables	554	560	557	564	566
Pumped Storage	1,643	1,643	1,643	1,680	1,680
Other	-	-	-	-	3
Total	13,932	13,557	13,505	13,699	13,697

- = 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)

Massachusetts

Energy Source	2006	2007	2008	2009	2010
Geothermal	-	-	-	-	-
Hydro Conventional	259	259	258	261	262
Solar	-	-	s	s	4
Wind	-	2	2	5	10
Wood/Wood Waste	26	26	26	26	26
MSW/Landfill Gas	261	264	263	264	255
Other Biomass	9	9	9	9	9
Total	554	560	557	564	566

s = Value is less than 0.5 of the table metric, but value is included in any associated total.

- = 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)****Massachusetts**

Energy Source	2006	2007	2008	2009	2010
Fossil	36,773	40,001	34,251	30,913	34,183
Coal	11,138	12,024	10,629	9,028	8,306
Petroleum	2,328	3,052	2,108	897	296
Natural Gas	23,307	24,925	21,514	20,988	25,582
Other Gases	-	-	-	-	-
Nuclear	5,830	5,120	5,869	5,396	5,918
Renewables	2,791	2,038	2,411	2,430	2,270
Pumped Storage	-579	-831	-798	-534	-337
Other	782	748	773	761	771
Total	45,598	47,076	42,505	38,967	42,805

- = 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: 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)****Massachusetts**

Energy Source	2006	2007	2008	2009	2010
Geothermal	-	-	-	-	-
Hydro Conventional	1,513	797	1,156	1,201	996
Solar	-	-	s	s	1
Wind	-	-	4	6	22
Wood/Wood Waste	125	119	123	115	125
MSW Biogenic/Landfill Gas	1,126	1,094	1,128	1,104	1,125
Other Biomass	27	27	2	4	1
Total	2,791	2,038	2,411	2,430	2,270

s = Value is less than 0.5 of the table metric, but value is included in any associated total.

- = 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.