

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

Primary Renewable Energy Capacity Source	Hydro Conventional
Primary Renewable Energy Generation Source	Wood/Wood Waste

Capacity (megawatts)	Value	Percent of State Total
Total Net Summer Electricity Capacity	29,831	100.0
Total Net Summer Renewable Capacity	807	2.7
Geothermal	-	-
Hydro Conventional	237	0.8
Solar	-	-
Wind	163	0.5
Wood/Wood Waste	232	0.8
MSW/Landfill Gas	176	0.6
Other Biomass	-	-
Generation (thousand megawatthours)		
Total Electricity Net Generation	111,551	100.0
Total Renewable Net Generation	4,083	3.7
Geothermal	-	-
Hydro Conventional	1,251	1.1
Solar	-	-
Wind	360	0.3
Wood/Wood Waste	1,670	1.5
MSW Biogenic/Landfill Gas	795	0.7
Other Biomass	8	*

* = 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)**Michigan**

Energy Source	2006	2007	2008	2009	2010
Fossil	23,693	23,826	23,805	23,691	23,205
Coal	11,860	11,910	11,921	11,794	11,531
Petroleum	1,499	673	667	684	640
Natural Gas	10,322	11,242	11,218	11,214	11,033
Other Gases	12	-	-	-	-
Nuclear	4,006	3,969	3,969	3,953	3,947
Renewables	618	638	773	792	807
Pumped Storage	1,872	1,872	1,872	1,872	1,872
Other	-	-	-	-	-
Total	30,189	30,305	30,419	30,308	29,831

- = 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)

Michigan

Energy Source	2006	2007	2008	2009	2010
Geothermal	-	-	-	-	-
Hydro Conventional	257	249	250	251	237
Solar	-	-	-	-	-
Wind	2	2	124	143	163
Wood/Wood Waste	210	231	230	230	232
MSW/Landfill Gas	149	156	169	168	176
Other Biomass	-	-	-	-	-
Total	618	638	773	792	807

- = 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)****Michigan**

Energy Source	2006	2007	2008	2009	2010
Fossil	80,004	84,933	80,179	75,869	78,535
Coal	67,780	70,811	69,855	66,848	65,604
Petroleum	402	699	458	399	382
Natural Gas	11,410	13,141	9,602	8,420	12,249
Other Gases	412	282	264	203	299
Nuclear	29,066	31,517	31,484	21,851	29,625
Renewables	3,963	3,687	3,956	3,995	4,083
Pumped Storage	-1,039	-1,129	-916	-857	-1,023
Other	563	303	286	344	332
Total	112,557	119,310	114,990	101,203	111,551

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)****Michigan**

Energy Source	2006	2007	2008	2009	2010
Geothermal	-	-	-	-	-
Hydro Conventional	1,520	1,270	1,364	1,372	1,251
Solar	-	-	-	-	-
Wind	2	3	141	300	360
Wood/Wood Waste	1,704	1,692	1,710	1,489	1,670
MSW Biogenic/Landfill Gas	735	721	738	829	795
Other Biomass	2	1	1	5	8
Total	3,963	3,687	3,956	3,995	4,083

- = 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.