

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

**Michigan**

Primary Renewable Energy Capacity Source	Hydro Conventional		
Primary Renewable Energy Generation Source	Wood/Wood Waste		
<b><u>Capacity (megawatts)</u></b>	<b><u>Value</u></b>	<b><u>Percent of State</u></b>	<b><u>Total</u></b>
<b>Total Net Summer Electricity Capacity</b>	<b>30,305</b>		<b>100.0</b>
<b>Total Net Summer Renewable Capacity</b>	<b>638</b>		<b>2.1</b>
Geothermal	-		-
Hydro Conventional	249		0.8
Solar	-		-
Wind	2		*
Wood/Wood Waste	231		0.8
MSW/Landfill Gas	156		0.5
Other Biomass	-		-
<b><u>Generation (thousand megawatthours)</u></b>			
<b>Total Electricity Net Generation</b>	<b>119,310</b>		<b>100.0</b>
<b>Total Renewable Net Generation</b>	<b>3,687</b>		<b>3.1</b>
Geothermal	-		-
Hydro Conventional	1,270		1.1
Solar	-		-
Wind	3		*
Wood/Wood Waste	1,692		1.4
MSW Biogenic/Landfill Gas	721		0.6
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: 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)**

**Michigan**

<b>Energy Source</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>
Fossil	23,994	23,992	23,948	23,693	23,826
Coal	11,989	11,976	11,982	11,860	11,910
Petroleum	1,737	1,719	1,675	1,499	673
Natural Gas	10,268	10,296	10,286	10,322	11,242
Other Gases	-	-	5	12	-
Nuclear	3,971	3,971	3,982	4,006	3,969
Renewables	613	612	620	618	638
Pumped Storage	1,872	1,872	1,872	1,872	1,872
Other	-	-	-	-	-
<b>Total</b>	<b>30,450</b>	<b>30,447</b>	<b>30,422</b>	<b>30,189</b>	<b>30,305</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)**

**Michigan**

<b>Energy Source</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>
Geothermal	-	-	-	-	-
Hydro Conventional	245	245	253	257	249
Solar	-	-	-	-	-
Wind	1	1	1	2	2
Wood/Wood Waste	210	210	210	210	231
MSW/Landfill Gas	158	157	157	149	156
Other Biomass	-	-	-	-	-
<b>Total</b>	<b>613</b>	<b>612</b>	<b>620</b>	<b>618</b>	<b>638</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)**

**Michigan**

<b>Energy Source</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>
Fossil	80,218	84,649	85,337	80,004	84,933
Coal	67,777	68,606	70,323	67,780	70,811
Petroleum	1,064	896	878	402	699
Natural Gas	11,375	14,548	13,764	11,410	13,141
Other Gases	2	599	372	412	282
Nuclear	27,954	30,562	32,872	29,066	31,517
Renewables	3,884	4,098	3,956	3,963	3,687
Pumped Storage	-1,017	-1,113	-1,106	-1,039	-1,129
Other	309	291	562	563	303
<b>Total</b>	<b>111,347</b>	<b>118,487</b>	<b>121,620</b>	<b>112,557</b>	<b>119,310</b>

**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)**

**Michigan**

<b>Energy Source</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>
Geothermal	-	-	-	-	-
Hydro Conventional	1,386	1,540	1,462	1,520	1,270
Solar	-	-	-	-	-
Wind	3	2	2	2	3
Wood/Wood Waste	1,768	1,867	1,776	1,704	1,692
MSW Biogenic/Landfill Gas	724	688	714	735	721
Other Biomass	3	2	3	2	1
<b>Total</b>	<b>3,884</b>	<b>4,098</b>	<b>3,956</b>	<b>3,963</b>	<b>3,687</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."