

**Table 1. Summary Renewable Electric Power Industry Statistics (2006)**

**Iowa**

Primary Renewable Energy Capacity Source                      Wind  
 Primary Renewable Energy Generation Source                      Wind

<u>Capacity (megawatts)</u>	<u>Value</u>	<u>Percent of State Total</u>
<b>Total Net Summer Electricity Capacity</b>	<b>11,143</b>	<b>100.0</b>
<b>Total Net Summer Renewable Capacity</b>	<b>1,067</b>	<b>9.6</b>
Geothermal	-	-
Hydro Conventional	131	1.2
Solar	-	-
Wind	921	8.3
Wood/Wood Waste	-	-
MSW/Landfill Gas	11	0.1
Other Biomass	3	*
 <u>Generation (thousand megawatthours)</u>		
<b>Total Electricity Net Generation</b>	<b>45,483</b>	<b>100.0</b>
<b>Total Renewable Net Generation</b>	<b>3,364</b>	<b>7.4</b>
Geothermal	-	-
Hydro Conventional	909	2.0
Solar	-	-
Wind	2,318	5.1
Wood/Wood Waste	-	-
MSW Biogenic/Landfill Gas	100	0.2
Other Biomass	37	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, 2002 - 2006 (Megawatts)**

**Iowa**

<b>Energy Source</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>
Fossil	8,112	8,800	9,539	9,545	9,496
Coal	6,039	6,086	6,157	6,137	6,097
Petroleum	1,062	1,000	996	1,028	1,027
Natural Gas	1,011	1,715	2,386	2,381	2,371
Other Gases	-	-	-	-	-
Nuclear	566	562	563	581	581
Renewables	660	711	771	961	1,067
Pumped Storage	-	-	-	-	-
Other	-	-	-	-	-
<b>Total</b>	<b>9,338</b>	<b>10,074</b>	<b>10,873</b>	<b>11,087</b>	<b>11,143</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, 2002 - 2006 (Megawatts)**

**Iowa**

<b>Energy Source</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>
Geothermal	-	-	-	-	-
Hydro Conventional	131	138	140	131	131
Solar	-	-	-	-	-
Wind	416	460	621	820	921
Wood/Wood Waste	-	-	-	-	-
MSW/Landfill Gas	109	109	6	6	11
Other Biomass	3	3	3	3	3
<b>Total</b>	<b>660</b>	<b>711</b>	<b>771</b>	<b>961</b>	<b>1,067</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, 2002 - 2006  
 (Thousand Megawatthours)**

**Iowa**

<b>Energy Source</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>
Fossil	35,991	36,234	36,206	36,883	37,014
Coal	35,372	35,820	35,272	34,252	34,405
Petroleum	64	101	109	150	208
Natural Gas	555	313	825	2,481	2,400
Other Gases	-	-	-	-	-
Nuclear	4,574	3,988	4,929	4,538	5,095
Renewables	1,964	1,885	2,102	2,724	3,364
Pumped Storage	-	-	-	-	-
Other	s	10	12	12	10
<b>Total</b>	<b>42,528</b>	<b>42,116</b>	<b>43,248</b>	<b>44,156</b>	<b>45,483</b>

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

- = 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, 2002 - 2006  
 (Thousand Megawatthours)**

**Iowa**

<b>Energy Source</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>
Geothermal	-	-	-	-	-
Hydro Conventional	946	789	946	960	909
Solar	-	-	-	-	-
Wind	919	982	1,050	1,647	2,318
Wood/Wood Waste	s	-	-	-	-
MSW Biogenic/Landfill Gas	78	88	74	82	100
Other Biomass	20	26	31	35	37
<b>Total</b>	<b>1,964</b>	<b>1,885</b>	<b>2,102</b>	<b>2,724</b>	<b>3,364</b>

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:** Energy Information Administration, Form EIA-906, "Power Plant Report" and EIA-920, "Combined Heat and Power Plant Report."