

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

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

Capacity (megawatts)	Value	Percent of State Total
Total Net Summer Electricity Capacity	14,592	100.0
Total Net Summer Renewable Capacity	3,728	25.5
Geothermal	-	-
Hydro Conventional	144	1.0
Solar	-	-
Wind	3,569	24.5
Wood/Wood Waste	-	-
MSW/Landfill Gas	11	0.1
Other Biomass	3	*

Generation (thousand megawatthours)

Total Electricity Net Generation	57,509	100.0
Total Renewable Net Generation	10,309	17.9
Geothermal	-	-
Hydro Conventional	948	1.6
Solar	-	-
Wind	9,170	15.9
Wood/Wood Waste	-	-
MSW Biogenic/Landfill Gas	91	0.2
Other Biomass	99	0.2

* = 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)**Iowa**

Energy Source	2006	2007	2008	2009	2010
Fossil	9,496	10,391	10,340	10,467	10,263
Coal	6,097	6,967	6,928	7,107	6,956
Petroleum	1,027	1,023	1,017	1,014	1,007
Natural Gas	2,371	2,402	2,395	2,346	2,299
Other Gases	-	-	-	-	-
Nuclear	581	580	580	601	601
Renewables	1,067	1,316	2,791	3,511	3,728
Pumped Storage	-	-	-	-	-
Other	-	-	-	-	-
Total	11,143	12,287	13,711	14,579	14,592

- = 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)

Iowa

Energy Source	2006	2007	2008	2009	2010
Geothermal	-	-	-	-	-
Hydro Conventional	131	131	142	144	144
Solar	-	-	-	-	-
Wind	921	1,170	2,635	3,352	3,569
Wood/Wood Waste	-	-	-	-	-
MSW/Landfill Gas	11	11	11	11	11
Other Biomass	3	3	3	3	3
Total	1,067	1,316	2,791	3,511	3,728

- = 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)****Iowa**

Energy Source	2006	2007	2008	2009	2010
Fossil	37,014	41,388	42,734	38,621	42,749
Coal	34,405	37,986	40,410	37,351	41,283
Petroleum	208	312	161	85	154
Natural Gas	2,400	3,091	2,163	1,184	1,312
Other Gases	-	-	-	-	-
Nuclear	5,095	4,519	5,282	4,679	4,451
Renewables	3,364	3,870	5,070	8,560	10,309
Pumped Storage	-	-	-	-	-
Other	10	12	s	s	-
Total	45,483	49,789	53,087	51,860	57,509

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: 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)****Iowa**

Energy Source	2006	2007	2008	2009	2010
Geothermal	-	-	-	-	-
Hydro Conventional	909	962	819	971	948
Solar	-	-	-	-	-
Wind	2,318	2,757	4,084	7,421	9,170
Wood/Wood Waste	-	s	s	s	-
MSW Biogenic/Landfill Gas	100	123	98	93	91
Other Biomass	37	28	69	74	99
Total	3,364	3,870	5,070	8,560	10,309

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.