

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

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>
Total Net Summer Electricity Capacity	12,287	100.0
Total Net Summer Renewable Capacity	1,316	10.7
Geothermal	-	-
Hydro Conventional	131	1.1
Solar	-	-
Wind	1,170	9.5
Wood/Wood Waste	-	-
MSW/Landfill Gas	11	0.1
Other Biomass	3	*
<u>Generation (thousand megawatthours)</u>		
Total Electricity Net Generation	49,789	100.0
Total Renewable Net Generation	3,870	7.8
Geothermal	-	-
Hydro Conventional	962	1.9
Solar	-	-
Wind	2,757	5.5
Wood/Wood Waste	s	*
MSW Biogenic/Landfill Gas	123	0.2
Other Biomass	28	0.1

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

* = 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)

Iowa

Energy Source	2003	2004	2005	2006	2007
Fossil	8,800	9,539	9,545	9,496	10,391
Coal	6,086	6,157	6,137	6,097	6,967
Petroleum	1,000	996	1,028	1,027	1,023
Natural Gas	1,715	2,386	2,381	2,371	2,402
Other Gases	-	-	-	-	-
Nuclear	562	563	581	581	580
Renewables	711	771	961	1,067	1,316
Pumped Storage	-	-	-	-	-
Other	-	-	-	-	-
Total	10,074	10,873	11,087	11,143	12,287

- = 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)

Iowa

Energy Source	2003	2004	2005	2006	2007
Geothermal	-	-	-	-	-
Hydro Conventional	138	140	131	131	131
Solar	-	-	-	-	-
Wind	460	621	820	921	1,170
Wood/Wood Waste	-	-	-	-	-
MSW/Landfill Gas	109	6	6	11	11
Other Biomass	3	3	3	3	3
Total	711	771	961	1,067	1,316

- = 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)**

Iowa

Energy Source	2003	2004	2005	2006	2007
Fossil	36,234	36,206	36,883	37,014	41,388
Coal	35,820	35,272	34,252	34,405	37,986
Petroleum	101	109	150	208	312
Natural Gas	313	825	2,481	2,400	3,091
Other Gases	-	-	-	-	-
Nuclear	3,988	4,929	4,538	5,095	4,519
Renewables	1,885	2,102	2,724	3,364	3,870
Pumped Storage	-	-	-	-	-
Other	10	12	12	10	12
Total	42,116	43,248	44,156	45,483	49,789

- = 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, 2003 - 2007
(Thousand Megawatthours)**

Iowa

Energy Source	2003	2004	2005	2006	2007
Geothermal	-	-	-	-	-
Hydro Conventional	789	946	960	909	962
Solar	-	-	-	-	-
Wind	982	1,050	1,647	2,318	2,757
Wood/Wood Waste	-	-	-	-	s
MSW Biogenic/Landfill Gas	88	74	82	100	123
Other Biomass	26	31	35	37	28
Total	1,885	2,102	2,724	3,364	3,870

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."