

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

North Dakota

Primary Renewable Energy Capacity Source Hydro Conventional
 Primary Renewable Energy Generation Source Hydro Conventional

<u>Capacity (megawatts)</u>	<u>Value</u>	<u>Percent of State Total</u>
Total Net Summer Electricity Capacity	4,839	100.0
Total Net Summer Renewable Capacity	617	12.8
Geothermal	-	-
Hydro Conventional	443	9.2
Solar	-	-
Wind	164	3.4
Wood/Wood Waste	-	-
MSW/Landfill Gas	-	-
Other Biomass	10	0.2
 <u>Generation (thousand megawatthours)</u>		
Total Electricity Net Generation	30,881	100.0
Total Renewable Net Generation	1,894	6.1
Geothermal	-	-
Hydro Conventional	1,521	4.9
Solar	-	-
Wind	369	1.2
Wood/Wood Waste	-	-
MSW Biogenic/Landfill Gas	-	-
Other Biomass	4	*

* = 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)

North Dakota

Energy Source	2002	2003	2004	2005	2006
Fossil	4,192	4,218	4,215	4,220	4,222
Coal	4,105	4,129	4,126	4,127	4,127
Petroleum	69	72	71	75	77
Natural Gas	10	10	10	10	10
Other Gases	8	8	8	8	8
Nuclear	-	-	-	-	-
Renewables	507	445	559	537	617
Pumped Storage	-	-	-	-	-
Other	-	-	-	-	-
Total	4,699	4,663	4,774	4,758	4,839

- = 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)

North Dakota

Energy Source	2002	2003	2004	2005	2006
Geothermal	-	-	-	-	-
Hydro Conventional	497	371	485	432	443
Solar	-	-	-	-	-
Wind	-	64	64	96	164
Wood/Wood Waste	-	-	-	-	-
MSW/Landfill Gas	-	-	-	-	-
Other Biomass	10	10	10	10	10
Total	507	445	559	537	617

- = 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)**

North Dakota

Energy Source	2002	2003	2004	2005	2006
Fossil	29,713	29,539	28,170	30,360	28,987
Coal	29,612	29,427	28,064	30,259	28,879
Petroleum	39	52	38	34	43
Natural Gas	8	9	7	9	8
Other Gases	55	50	61	58	57
Nuclear	-	-	-	-	-
Renewables	1,593	1,783	1,766	1,572	1,894
Pumped Storage	-	-	-	-	-
Other	-	-	-	-	-
Total	31,306	31,322	29,936	31,933	30,881

- = 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)**

North Dakota

Energy Source	2002	2003	2004	2005	2006
Geothermal	-	-	-	-	-
Hydro Conventional	1,593	1,724	1,546	1,342	1,521
Solar	-	-	-	-	-
Wind	-	59	215	220	369
Wood/Wood Waste	-	-	-	-	-
MSW Biogenic/Landfill Gas	-	-	-	-	-
Other Biomass	s	1	6	10	4
Total	1,593	1,783	1,766	1,572	1,894

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."