

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

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

Capacity (megawatts)	Value	Percent of State Total
Total Net Summer Electricity Capacity	6,188	100.0
Total Net Summer Renewable Capacity	1,941	31.4
Geothermal	-	-
Hydro Conventional	508	8.2
Solar	-	-
Wind	1,423	23.0
Wood/Wood Waste	-	-
MSW/Landfill Gas	-	-
Other Biomass	10	0.2

Generation (thousand megawatthours)

Total Electricity Net Generation	34,740	100.0
Total Renewable Net Generation	6,150	17.7
Geothermal	-	-
Hydro Conventional	2,042	5.9
Solar	-	-
Wind	4,096	11.8
Wood/Wood Waste	-	-
MSW Biogenic/Landfill Gas	-	-
Other Biomass	12	*

* = 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)**North Dakota**

Energy Source	2006	2007	2008	2009	2010
Fossil	4,222	4,212	4,212	4,243	4,247
Coal	4,127	4,119	4,119	4,148	4,153
Petroleum	77	75	75	71	71
Natural Gas	10	10	10	15	15
Other Gases	8	8	8	8	8
Nuclear	-	-	-	-	-
Renewables	617	879	1,272	1,720	1,941
Pumped Storage	-	-	-	-	-
Other	-	-	-	-	-
Total	4,839	5,091	5,484	5,963	6,188

- = 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)

North Dakota

Energy Source	2006	2007	2008	2009	2010
Geothermal	-	-	-	-	-
Hydro Conventional	443	486	486	508	508
Solar	-	-	-	-	-
Wind	164	383	776	1,202	1,423
Wood/Wood Waste	-	-	-	-	-
MSW/Landfill Gas	-	-	-	-	-
Other Biomass	10	10	10	10	10
Total	617	879	1,272	1,720	1,941

- = 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)****North Dakota**

Energy Source	2006	2007	2008	2009	2010
Fossil	28,987	29,283	29,721	29,712	28,552
Coal	28,879	29,164	29,672	29,607	28,462
Petroleum	42	51	49	45	38
Natural Gas	7	17	s	17	16
Other Gases	59	53	-	44	36
Nuclear	-	-	-	-	-
Renewables	1,894	1,940	2,959	4,484	6,150
Pumped Storage	-	-	-	-	-
Other	-	1	54	-	37
Total	30,881	31,224	32,735	34,196	34,740

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)****North Dakota**

Energy Source	2006	2007	2008	2009	2010
Geothermal	-	-	-	-	-
Hydro Conventional	1,521	1,305	1,253	1,475	2,042
Solar	-	-	-	-	-
Wind	369	621	1,693	2,998	4,096
Wood/Wood Waste	-	-	-	-	-
MSW Biogenic/Landfill Gas	-	-	-	-	-
Other Biomass	4	14	13	12	12
Total	1,894	1,940	2,959	4,484	6,150

- = 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.