

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

South Dakota

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

Capacity (megawatts)	Value	Percent of State Total
Total Net Summer Electricity Capacity	3,623	100.0
Total Net Summer Renewable Capacity	2,223	61.3
Geothermal	-	-
Hydro Conventional	1,594	44.0
Solar	-	-
Wind	629	17.3
Wood/Wood Waste	-	-
MSW/Landfill Gas	-	-
Other Biomass	-	-

Generation (thousand megawatthours)

Total Electricity Net Generation	10,050	100.0
Total Renewable Net Generation	6,611	65.8
Geothermal	-	-
Hydro Conventional	5,239	52.1
Solar	-	-
Wind	1,372	13.6
Wood/Wood Waste	-	-
MSW Biogenic/Landfill Gas	-	-
Other Biomass	-	0.0

- = 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)**South Dakota**

Energy Source	2006	2007	2008	2009	2010
Fossil	1,374	1,364	1,449	1,448	1,401
Coal	492	492	497	497	497
Petroleum	232	226	230	230	228
Natural Gas	649	645	722	722	676
Other Gases	-	-	-	-	-
Nuclear	-	-	-	-	-
Renewables	1,559	1,506	1,656	1,914	2,223
Pumped Storage	-	-	-	-	-
Other	-	-	-	-	-
Total	2,933	2,870	3,105	3,362	3,623

- = 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)

South Dakota

Energy Source	2006	2007	2008	2009	2010
Geothermal	-	-	-	-	-
Hydro Conventional	1,516	1,463	1,463	1,594	1,594
Solar	-	-	-	-	-
Wind	43	43	193	320	629
Wood/Wood Waste	-	-	-	-	-
MSW/Landfill Gas	-	-	-	-	-
Other Biomass	-	-	-	-	-
Total	1,559	1,506	1,656	1,914	2,223

- = 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)****South Dakota**

Energy Source	2006	2007	2008	2009	2010
Fossil	3,586	3,069	3,912	3,306	3,439
Coal	3,316	2,655	3,660	3,217	3,298
Petroleum	5	63	23	8	6
Natural Gas	266	351	229	80	135
Other Gases	-	-	-	-	-
Nuclear	-	-	-	-	-
Renewables	3,546	3,067	3,140	4,859	6,611
Pumped Storage	-	-	-	-	-
Other	s	s	31	31	-
Total	7,132	6,137	7,083	8,197	10,050

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)**

South Dakota

Energy Source	2006	2007	2008	2009	2010
Geothermal	-	-	-	-	-
Hydro Conventional	3,397	2,917	2,993	4,432	5,239
Solar	-	-	-	-	-
Wind	149	150	145	421	1,372
Wood/Wood Waste	-	-	-	-	-
MSW Biogenic/Landfill Gas	-	-	-	-	-
Other Biomass	-	-	2	6	-
Total	3,546	3,067	3,140	4,859	6,611

- = 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.