

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

South 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</u>	<u>Total</u>
Total Net Summer Electricity Capacity	2,870		100.0
Total Net Summer Renewable Capacity	1,506		52.5
Geothermal	-		-
Hydro Conventional	1,463		51.0
Solar	-		-
Wind	43		1.5
Wood/Wood Waste	-		-
MSW/Landfill Gas	-		-
Other Biomass	-		-
<u>Generation (thousand megawatthours)</u>			
Total Electricity Net Generation	6,137		100.0
Total Renewable Net Generation	3,067		50.0
Geothermal	-		-
Hydro Conventional	2,917		47.5
Solar	-		-
Wind	150		2.4
Wood/Wood Waste	-		-
MSW Biogenic/Landfill Gas	-		-
Other Biomass	-		-

- = 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)

South Dakota

Energy Source	2003	2004	2005	2006	2007
Fossil	1,098	1,089	1,259	1,374	1,364
Coal	476	477	482	492	492
Petroleum	237	228	224	232	226
Natural Gas	385	385	553	649	645
Other Gases	-	-	-	-	-
Nuclear	-	-	-	-	-
Renewables	1,592	1,569	1,543	1,559	1,506
Pumped Storage	-	-	-	-	-
Other	-	-	-	-	-
Total	2,690	2,659	2,802	2,933	2,870

- = 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)

South Dakota

Energy Source	2003	2004	2005	2006	2007
Geothermal	-	-	-	-	-
Hydro Conventional	1,549	1,526	1,500	1,516	1,463
Solar	-	-	-	-	-
Wind	43	43	43	43	43
Wood/Wood Waste	-	-	-	-	-
MSW/Landfill Gas	-	-	-	-	-
Other Biomass	-	-	-	-	-
Total	1,592	1,569	1,543	1,559	1,506

- = 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)**

South Dakota

Energy Source	2003	2004	2005	2006	2007
Fossil	3,623	3,755	3,288	3,586	3,069
Coal	3,431	3,620	2,996	3,316	2,655
Petroleum	16	23	21	5	63
Natural Gas	176	112	271	266	351
Other Gases	-	-	-	-	-
Nuclear	-	-	-	-	-
Renewables	4,321	3,755	3,233	3,546	3,067
Pumped Storage	-	-	-	-	-
Other	-	-	s	s	s
Total	7,944	7,510	6,521	7,132	6,137

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: 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)**

South Dakota

Energy Source	2003	2004	2005	2006	2007
Geothermal	-	-	-	-	-
Hydro Conventional	4,276	3,598	3,075	3,397	2,917
Solar	-	-	-	-	-
Wind	44	158	158	149	150
Wood/Wood Waste	-	-	-	-	-
MSW Biogenic/Landfill Gas	-	-	-	-	-
Other Biomass	-	-	-	-	-
Total	4,321	3,755	3,233	3,546	3,067

- = 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."