

Table 1. 2005 Summary Statistics

Item	Value	U.S. Rank
South Dakota		
NERC Region(s).....		MRO/WECC
Primary Energy Source.....		Hydroelectric
Net Summer Capability (megawatts).....	2,802	46
Electric Utilities.....	2,759	37
Independent Power Producers & Combined Heat and Power.....	44	50
Net Generation (megawatthours).....	6,520,769	48
Electric Utilities.....	6,368,442	40
Independent Power Producers & Combined Heat and Power.....	152,327	50
Emissions (thousand metric tons)		
Sulfur Dioxide	10	45
Nitrogen Oxide	13	44
Carbon Dioxide.....	3,300	47
Sulfur Dioxide (lbs/MWh)	3.5	31
Nitrogen Oxide (lbs/MWh)	4.5	5
Carbon Dioxide (lbs/MWh).....	1,116	38
Total Retail Sales (megawatthours).....	9,811,017	48
Full Service Provider Sales (megawatthours)	9,811,017	46
Average Retail Price (cents/kWh).....	6.60	36

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capability, 2005

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
South Dakota			
1. Oahe.....	Hydroelectric	USCE-Missouri River District	625
2. Big Bend.....	Hydroelectric	USCE-Missouri River District	520
3. Big Stone.....	Coal	Otter Tail Power Co	461
4. Angus Anson.....	Gas	Northern States Power Co	384
5. Fort Randall.....	Hydroelectric	USCE-Missouri River District	355
6. Ben French.....	Coal	Black Hills Corp	100
7. Spirit Mound.....	Petroleum	Basin Electric Power Coop	92
8. Huron.....	Gas	Northwestern Energy	55
9. Watertown Power Plant.....	Petroleum	Missouri Basin Mun Pwr Agency	51
10. South Dakota Wind Energy Cente.....	Other Renewables	FPL Energy South Dakota Wind LLC	41

See footnotes at end of tables.

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2005
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
1. Northern States Power Co	Investor-Owned	1,847,285	601,331	926,668	319,286	0
2. Black Hills Power Inc.....	Investor-Owned	1,417,615	461,984	663,532	292,099	0
3. NorthWestern Energy.....	Investor-Owned	1,268,780	476,286	580,595	211,899	0
4. Sioux Valley SW Elec Coop	Cooperative	443,288	226,109	93,141	124,038	0
5. Otter Tail Power Co.....	Investor-Owned	349,684	106,387	243,297	0	0
Total Sales, Top Five Providers		5,326,652	1,872,097	2,507,233	947,322	0
Percent of Total State Sales.....		54	47	63	51	0

See footnotes at end of tables.

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1990, 1995, and 2000 Through 2005
(Megawatts)

Energy Source	1990	1995	2000	2001	2002	2003	2004	2005	Percentage Share	
									1990	2005
Electric Utilities.....	2,708	2,950	2,812	2,814	2,854	2,650	2,618	2,759	100.0	98.4
Coal.....	495	475	477	477	477	476	477	482	18.3	17.2
Petroleum.....	228	223	297	296	238	237	228	221	8.4	7.9
Natural Gas.....	164	431	360	360	459	385	385	553	6.0	19.7
Hydroelectric	1,821	1,820	1,678	1,678	1,678	1,549	1,526	1,500	67.2	53.5
Other Renewables.....	-	-	-	3	3	3	3	3	-	0.1
Independent Power Producers and Combined Heat and Power	-	-	-	-	-	41	41	44	-	1.6
Petroleum.....	-	-	-	-	-	-	-	3	-	0.1
Other Renewables.....	-	-	-	-	-	41	41	41	-	1.4
Total Electric Industry.....	2,708	2,950	2,812	2,814	2,854	2,690	2,659	2,802	100.0	100.0
Coal.....	495	475	477	477	477	476	477	482	18.3	17.2
Petroleum.....	228	223	297	296	238	237	228	224	8.4	8.0
Natural Gas.....	164	431	360	360	459	385	385	553	6.0	19.7
Hydroelectric	1,821	1,820	1,678	1,678	1,678	1,549	1,526	1,500	67.2	53.5
Other Renewables.....	-	-	-	3	3	43	43	43	-	1.5

See footnotes at end of tables.

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1990, 1995, and 2000 Through 2005
(Megawatthours)

Energy Source	1990	1995	2000	2001	2002	2003	2004	2005	Percentage Share	
									1990	2005
South Dakota										
Electric Utilities.....	6,427,473	8,811,793	9,697,337	7,400,743	7,721,958	7,904,755	7,357,617	6,368,442	100.0	97.7
Coal.....	2,472,514	2,721,295	3,670,576	3,611,680	3,271,523	3,431,203	3,620,001	2,996,347	38.5	46.0
Petroleum.....	8,149	17,488	52,214	51,524	4,961	16,058	22,771	20,785	0.1	0.3
Natural Gas.....	12,408	63,139	259,039	304,803	85,778	176,024	112,255	270,946	0.2	4.2
Hydroelectric.....	3,934,402	6,009,871	5,715,508	3,431,865	4,353,653	4,276,303	3,597,509	3,074,566	61.2	47.2
Other Renewables.....	-	-	-	871	6,043	5,167	5,081	5,777	-	0.1
Other.....	-	-	-	-	-	-	-	21	-	*
Independent Power Producers and Combined Heat and Power.....	-	-	-	-	-	39,082	152,597	152,327	-	2.3
Other Renewables.....	-	-	-	-	-	39,082	152,597	152,327	-	2.3
Total Electric Industry.....	6,427,473	8,811,793	9,697,337	7,400,743	7,721,958	7,943,837	7,510,214	6,520,769	100.0	100.0
Coal.....	2,472,514	2,721,295	3,670,576	3,611,680	3,271,523	3,431,203	3,620,001	2,996,347	38.5	46.0
Petroleum.....	8,149	17,488	52,214	51,524	4,961	16,058	22,771	20,785	0.1	0.3
Natural Gas.....	12,408	63,139	259,039	304,803	85,778	176,024	112,255	270,946	0.2	4.2
Hydroelectric.....	3,934,402	6,009,871	5,715,508	3,431,865	4,353,653	4,276,303	3,597,509	3,074,566	61.2	47.2
Other Renewables.....	-	-	-	871	6,043	44,249	157,678	158,104	-	2.4
Other.....	-	-	-	-	-	-	-	21	-	*

See footnotes at end of tables.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1990, 1995, and 2000 Through 2005

Fuel, Quality	1990	1995	2000	2001	2002	2003	2004	2005
South Dakota								
Coal (cents per million Btu)	114.6	102.9	99.3	103.3	129.5	134.3	138.5	142.4
Average heat value (Btu per pound)	6,096	6,972	8,464	8,540	8,550	8,560	8,523	8,711
Average sulfur Content (percent)	0.9	0.9	0.3	0.3	0.4	0.3	0.3	0.3
Petroleum (cents per million Btu)	565.3	-	-	-	-	803.6	822.4	1,245.1
Average heat value (Btu per gallon)	140,000	-	-	-	-	138,210	138,536	139,083
Average sulfur Content (percent)	0.3	-	-	-	-	0.2	0.2	0.2
Natural Gas (cents per million Btu)	-	157.8	-	-	-	-	-	-
Average heat value (Btu per cubic foot)	-	1,002	-	-	-	-	-	-

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1990, 1995, and 2000 Through 2005
(Thousand Metric Tons)

Emission Type	1990	1995	2000	2001	2002	2003	2004	2005
South Dakota								
Sulfur Dioxide								
Coal.....	28	25	13	13	23	11	13	10
Petroleum.....	*	*	*	*	*	*	*	*
Natural Gas.....	-	-	*	*	-	*	-	-
Other.....	-	*	*	-	1	*	1	1
Total.....	28	25	13	13	24	12	14	10
Nitrogen Oxide								
Coal.....	9	8	17	15	24	15	16	13
Petroleum.....	*	*	*	*	*	*	*	*
Natural Gas.....	*	*	*	*	*	*	*	*
Other.....	-	*	*	-	*	*	*	*
Total.....	9	9	17	16	25	15	16	13
Carbon Dioxide								
Coal.....	2,710 ^R	2,853 ^R	3,661 ^R	3,608	3,321	3,518	3,770	3,088
Petroleum.....	14 ^R	20 ^R	57 ^R	45	8	18	24	22
Natural Gas.....	13 ^R	49 ^R	195 ^R	244	66	115	87	190
Other Renewables.....	-	-	-	-	-	-	-	*
Total.....	2,736 ^R	2,922 ^R	3,914 ^R	3,898	3,394	3,651	3,881	3,300

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1990, 1995, and 2000 Through 2005

Sector	1990	1995	2000	2001	2002	2003	2004	2005	Percentage Share	
									1990	2005
South Dakota										
Retail Sales (thousand megawatthours)										
Residential.....	2,866	3,268	3,423	3,580	3,733	3,740	3,696	3,973	45.3	40.5
Commercial.....	1,450	2,088	2,422	2,915	3,062	3,713	3,627	3,998	22.9	40.8
Industrial.....	1,657	1,722	2,003	1,666	1,604	1,627	1,891	1,840	26.2	18.7
Other.....	361	335	435	465	538	NA	NA	NA	5.7	NA
All Sectors.....	6,334	7,414	8,283	8,627	8,937	9,080	9,214	9,811	100.0	100.0
Retail Revenue (million dollars)										
Residential.....	199	231	254	266	276	280	283	309	51.3	47.7
Commercial.....	97	137	161	191	191	224	224	248	25.0	38.3
Industrial.....	77	76	90	74	73	73	87	91	19.9	14.1
Other.....	15	15	19	17	20	NA	NA	NA	3.8	NA
All Sectors.....	388	460	523	548	560	577	594	648	100.0	100.0
Average Retail Prices (cents/KWh)										
Residential.....	6.95	7.08	7.42	7.42	7.40	7.47	7.65	7.77	NA	NA
Commercial.....	6.68	6.55	6.64	6.55	6.24	6.04	6.18	6.20	NA	NA
Industrial.....	4.66	4.43	4.49	4.46	4.54	4.51	4.59	4.95	NA	NA
Other.....	4.11	4.58	4.30	3.71	3.63	NA	NA	NA	NA	NA
All Sectors.....	6.13	6.20	6.32	6.35	6.26	6.35	6.44	6.60	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2005

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Number of Entities	6	35	1	31	NA	NA	NA	73
Number of Retail Customers	217,697	56,431	21	138,319	NA	NA	NA	412,468
Retail Sales (thousand megawatthours)	5,184	1,394	316	2,918	NA	NA	NA	9,811
Percentage of Retail Sales	52.84	14.21	3.22	29.74	NA	NA	NA	100.00
Revenue from Retail Sales (million dollars)	366	74	5	203	NA	NA	NA	648
Percentage of Revenue	56.48	11.38	0.82	31.31	NA	NA	NA	100.00
Average Retail Price (cents/kWh)	7.06	5.29	1.69	6.95	NA	NA	NA	6.60

Table 9 Notes: Data are shown for All Sectors. Full Service Providers sell bundled electricity services (e.g., both energy and delivery) to end users. Full Service Providers may purchase electricity from others (such as independent Power Producers or other full service providers) prior to delivery. Other Providers sell either the energy or the delivery services, but not both. Sales volumes and customer counts shown for Other Providers refer to delivered electricity, which is a joint activity of both energy and delivery providers; for clarity, they are reported only in the Energy column in this table. The revenue shown under Other Providers represents the revenue realized from the sale of the energy and the delivery services distinctly. "Public" entities include municipalities, State power agencies, and municipal marketing authorities. "Federal" entities are either owned or financed by the Federal Government. "Cooperatives" are electric utilities legally established to be owned by and operated for the benefit of those using its services. The cooperative will generate, transmit and/or distribute supplies of electric energy to a specified area not being serviced by another utility. "Facility" sales represent direct electricity transactions from independent generators to end use consumers.

Other Notes: NA = Not applicable; NM = Not meaningful;

W = Withheld to avoid disclosure of individual company data.

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is 1 and values under 0.5 are shown as *.)

Totals may not equal sum of components because of independent rounding.

The "Other Renewables" category for Tables 4 and 5 includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, tires, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy and wind. In Table 7, "Other Renewables" emissions include non-biogenic municipal solid waste, and other renewable waste.

Direct Use is commercial or industrial use of electricity that 1) is self-generated, 2) is produced by either the same entity that consumes the power or an affiliate, and 3) is used in direct support of a service or industrial process located within the same facility or group of facilities that houses the generating equipment. Direct use is exclusive of station use.