

**Table 1. 2004 Summary Statistics**

Item	Value	U.S. Rank
<b>South Dakota</b>		
NERC Region(s).....		WECC/MAPP
Primary Energy Source .....		Coal
Net Summer Capability (megawatts).....	2,659	46
Electric Utilities .....	2,618	37
Independent Power Producers & Combined Heat and Power .....	40	50
Net Generation (megawatthours) .....	7,510,214	47
Electric Utilities .....	7,357,617	38
Independent Power Producers & Combined Heat and Power .....	152,597	49
Emissions (thousand metric tons)		
Sulfur Dioxide .....	14	45
Nitrogen Oxide.....	16	40
Carbon Dioxide.....	3,834	47
Sulfur Dioxide (lbs/MWh).....	4.0	29
Nitrogen Oxide (lbs/MWh).....	4.8	2
Carbon Dioxide (lbs/MWh).....	1,126	38
Total Retail Sales (megawatthours) .....	9,213,844	48
Full Service Provider Sales (megawatthours).....	9,213,844	46
Average Retail Price (cents/kWh).....	6.44	31

See footnotes at end of tables.

**Table 2. Ten Largest Plants by Generating Capability, 2004**

Plant	Energy Sources	Operating Company	Net Summer Capability (MW)
<b>South Dakota</b>			
1. Oahe.....	Hydroelectric	USCE-Missouri River District	651
2. Big Bend.....	Hydroelectric	USCE-Missouri River District	520
3. Big Stone.....	Petroleum,Coal	Otter Tail Power Co	456
4. Fort Randall.....	Hydroelectric	USCE-Missouri River District	355
5. Angus Anson.....	Petroleum,Gas	Northern States Power Co	215
6. Ben French.....	Petroleum,Gas,Coal	Black Hills Corp	100
7. Spirit Mound.....	Petroleum	Basin Electric Power Coop	96
8. Huron.....	Gas	Northwestern Energy	55
9. Watertown Power Plant.....	Petroleum	Missouri Basin Mun Pwr Agency	51
10. South Dakota Wind Energy Cente.....	Other	FPL Energy South Dakota Wind LLC	41

See footnotes at end of tables.

**Table 3. Top Five Providers of Retail Electricity, 2004**  
(Megawatthours)

Entity	Ownership Type	All Sectors	Residential	Commercial	Industrial	Transportation
<b>South Dakota</b>						
1. Northern States Power Co.....	Investor-Owned	1,687,634	549,153	803,265	335,216	0
2. Black Hills Corp.....	Investor-Owned	1,346,233	430,022	635,435	280,776	0
3. Northwestern Energy.....	Investor-Owned	1,191,386	437,829	550,069	203,488	0
4. Sioux Valley SW Elec Coop.....	Cooperative	411,502	209,124	30,232	172,146	0
5. Otter Tail Power Co.....	Investor-Owned	323,627	101,036	222,591	0	0
Total Sales, Top Five Providers.....		4,960,382	1,727,164	2,241,592	991,626	0
Percent of Total State Sales.....		54	47	62	52	0

See footnotes at end of tables.

**Table 4. Electric Power Industry Net Summer Capability by Primary Energy Source, 1990, 1995, and 2000 Through 2004**  
(Megawatts)

Energy Source	1990	1995	2000	2001	2002	2003	2004	Percentage Share	
								1990	2004
<b>South Dakota</b>									
<b>Electric Utilities</b> .....	<b>2,708</b>	<b>2,950</b>	<b>2,812</b>	<b>2,814</b>	<b>2,854</b>	<b>2,650</b>	<b>2,618</b>	<b>100.0</b>	<b>98.5</b>
Coal.....	495	475	477	477	477	476	477	18.3	17.9
Petroleum.....	228	223	229	228	238	237	228	8.4	8.6
Natural Gas.....	66	293	290	290	324	34	34	2.4	1.3
Dual Fired.....	97	138	138	138	135	351	351	3.6	13.2
Hydroelectric .....	1,821	1,820	1,678	1,678	1,678	1,549	1,526	67.2	57.4
Other Renewables.....	0	0	0	3	3	3	3	.0	.1
<b>Independent Power Producers and Combined</b>									
<b>Heat and Power</b> .....	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>40</b>	<b>40</b>	<b>.0</b>	<b>1.5</b>
Other Renewables.....	0	0	0	0	0	41	41	.0	1.5
<b>Total Electric Industry</b> .....	<b>2,708</b>	<b>2,950</b>	<b>2,812</b>	<b>2,814</b>	<b>2,854</b>	<b>2,690</b>	<b>2,659</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	495	475	477	477	477	476	477	18.3	17.9
Petroleum.....	228	223	229	228	238	237	228	8.4	8.6
Natural Gas.....	66	293	290	290	324	34	34	2.4	1.3
Dual Fired.....	97	138	138	138	135	351	351	3.6	13.2
Hydroelectric .....	1,821	1,820	1,678	1,678	1,678	1,549	1,526	67.2	57.4
Other Renewables.....	0	0	0	3	3	43	43	.0	1.6

See footnotes at end of tables.

**Table 5. Electric Power Industry Generation by Primary Energy Source, 1990, 1995, and 2000 Through 2004**  
(Megawatthours)

Energy Source	1990	1995	2000	2001	2002	2003	2004	Percentage Share	
								1990	2004
<b>South Dakota</b>									
<b>Electric Utilities</b> .....	<b>6,427,473</b>	<b>8,811,793</b>	<b>9,697,337</b>	<b>7,400,743</b>	<b>7,721,958</b>	<b>7,904,755</b>	<b>7,357,617</b>	<b>100.0</b>	<b>98.0</b>
Coal.....	2,472,514	2,721,295	3,670,576	3,611,680	3,271,523	3,431,203	3,620,001	38.5	48.2
Petroleum.....	8,149	17,488	52,214	51,524	4,961	16,058	22,771	.1	.3
Natural Gas.....	12,408	63,139	259,039	304,803	85,778	176,024	112,255	.2	1.5
Hydroelectric .....	3,934,402	6,009,871	5,715,508	3,431,865	4,353,653	4,276,303	3,597,509	61.2	47.9
Other Renewables .....	0	0	0	871	6,043	5,167	5,081	.0	.1
<b>Independent Power Producers and Combined</b>									
<b>Heat and Power</b> .....	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>39,082</b>	<b>152,597</b>	<b>.0</b>	<b>2.0</b>
Other Renewables .....	0	0	0	0	0	39,082	152,597	.0	2.0
<b>Total Electric Industry</b> .....	<b>6,427,473</b>	<b>8,811,793</b>	<b>9,697,337</b>	<b>7,400,743</b>	<b>7,721,958</b>	<b>7,943,837</b>	<b>7,510,214</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	2,472,514	2,721,295	3,670,576	3,611,680	3,271,523	3,431,203	3,620,001	38.5	48.2
Petroleum.....	8,149	17,488	52,214	51,524	4,961	16,058	22,771	.1	.3
Natural Gas.....	12,408	63,139	259,039	304,803	85,778	176,024	112,255	.2	1.5
Hydroelectric .....	3,934,402	6,009,871	5,715,508	3,431,865	4,353,653	4,276,303	3,597,509	61.2	47.9
Other Renewables .....	0	0	0	871	6,043	44,249	157,678	.0	2.1

See footnotes at end of tables.

**Table 6. Electric Power Delivered Fuel Prices for Coal, Petroleum, and Natural Gas, 1990, 1995, and 2000 Through 2004**

Fuel, Quality	1990	1995	2000	2001	2002	2003	2004
<b>South Dakota</b>							
Coal (cents per million Btu) .....	114.6	102.9	99.3	103.3	129.5	134.3	138.5
Average heat value (Btu per pound).....	6,096	6,972	8,464	8,541	8,477	8,560	8,523
Average sulfur Content (percent).....	.9	.9	.3	.3	.4	.3	.3
Petroleum (cents per million Btu).....	565.3	.0	.0	.0	.0	803.6	822.4
Average heat value (Btu per gallon).....	140,000	0	0	0	0	138,210	138,536
Average sulfur Content (percent).....	.3	.0	.0	.0	.0	.2	.2

See footnotes at end of tables.

**Table 7. Electric Power Industry Emissions Estimates, 1990, 1995, and 2000 Through 2004**  
(Thousand Metric Tons)

Emission Type	1990	1995	2000	2001	2002	2003	2004
<b>South Dakota</b>							
<b>Sulfur Dioxide</b>							
Coal .....	28	25	13	13	11	11	13
Petroleum.....	*	*	*	0	0	*	*
Natural Gas .....	0	0	*	0	0	0	0
Other.....	0	*	*	0	0	*	1
Total.....	28	25	13	13	11	12	14
<b>Nitrogen Oxide</b>							
Coal .....	9	8	17	16	15	15	16
Petroleum.....	*	0	0	0	0	*	*
Gas.....	*	*	*	*	*	*	*
Other.....	0	*	*	0	0	*	*
Total.....	9	9	17	17	15	15	16
<b>Carbon Dioxide</b>							
Coal .....	2,886	2,973	3,649	3,627	3,320	3,516	3,724
Petroleum.....	22	20	57	45	8	18	24
Gas.....	9	50	193	244	65	115	87
Geothermal .....	0	0	0	0	0	0	0
Other.....	0	0	0	0	0	0	0
Total.....	2,916	3,043	3,899	3,916	3,393	3,649	3,834

See footnotes at end of tables.

**Table 8. Retail Sales, Revenue, and Average Retail Price by Sector, 1990, 1995, and 2000 Through 2004**

Sector	1990	1995	2000	2001	2002	2003	2004	Percentage Share	
								1990	2004
<b>South Dakota</b>									
Retail Sales (thousand megawatthours)									
Residential.....	2,866	3,268	3,423	3,580	3,733	3,740	3,696	45.2	40.1
Commercial.....	1,450	2,088	2,422	2,915	3,062	3,713	3,627	22.9	39.4
Industrial.....	1,657	1,722	2,003	1,666	1,604	1,627	1,891	26.2	20.5
Other.....	361	335	435	465	538	NA	NA	5.7	NA
Total.....	6,334	7,414	8,283	8,627	8,937	9,080	9,214	100.0	100.0
Retail Revenue (million dollars)									
Residential.....	199	231	254	266	276	280	283	51.3	47.6
Commercial.....	97	137	161	191	191	224	224	25.0	37.7
Industrial.....	77	76	90	74	73	73	87	19.8	14.6
Other.....	15	15	19	17	20	NA	NA	3.9	NA
Total.....	388	460	523	548	560	577	594	100.0	100.0
Average Retail Price (cents/kWh)									
Residential.....	6.95	7.08	7.42	7.42	7.40	7.47	7.65	NA	NA
Commercial.....	6.68	6.55	6.64	6.55	6.24	6.03	6.18	NA	NA
Industrial.....	4.66	4.43	4.49	4.46	4.54	4.51	4.59	NA	NA
Other.....	4.11	4.58	4.30	3.71	3.63	NA	NA	NA	NA
Total.....	6.13	6.20	6.32	6.35	6.26	6.35	6.44	NA	NA

See footnotes at end of tables.

**Table 9. Retail Electricity Sales Statistics, 2004**

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
<b>South Dakota</b>								
Number of Entities.....	6	35	1	30	NA	NA	NA	72
Number of Retail Customers.....	216,857	56,190	23	135,214	NA	NA	NA	408,284
Retail Sales (thousand megawatthours).....	4,846	1,300	312	2,756	NA	NA	NA	9,214
Percentage of Retail Sales.....	52.59	14.11	3.38	29.91	NA	NA	NA	100.00
Revenue from Retail Sales (million dollars).....	330	69	5	190	NA	NA	NA	594
Percentage of Revenue.....	55.57	11.58	.83	32.03	NA	NA	NA	100.00
Average Retail Price (cents/kWh).....	6.81	5.29	1.58	6.90	NA	NA	NA	6.44

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 service. 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; Table 4 "Other Renewables" includes generation from municipal solid waste;  
Table 7 "Other" includes emissions from municipal solid 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.