

**Table 1. 2003 Summary Statistics**

Item	Value	U.S. Rank
<b>South Dakota</b>		
NERC Region(s).....		WECC/MAPP
Primary Energy Source .....		Hydro
Net Summer Capability (megawatts).....	2,690	46
Electric Utilities .....	2,650	37
Independent Power Producers & Combined Heat and Power .....	41	50
Net Generation (megawatthours).....	7,943,837	46
Electric Utilities .....	7,904,755	37
Independent Power Producers & Combined Heat and Power .....	39,082	51
Emissions (thousand metric tons)		
Sulfur Dioxide .....	12	45
Nitrogen Oxide.....	15	40
Carbon Dioxide.....	3,649	47
Sulfur Dioxide (lbs/MWh).....	3.3	36
Nitrogen Oxide (lbs/MWh).....	4.2	7
Carbon Dioxide (lbs/MWh).....	1,013	39
Total Retail Sales (megawatthours).....	9,079,990	48
Full Service Provider Sales (megawatthours).....	9,079,990	46
Average Retail Price (cents/kWh).....	6.35	29

See footnotes at end of tables.

**Table 2. Ten Largest Plants by Generating Capability, 2003**

Plant	Energy Sources	Operating Company	Net Summer Capability (MW)
<b>South Dakota</b>			
1. Oahe.....	Hydro	USCE-Missouri River District	674
2. Big Bend.....	Hydro	USCE-Missouri River District	520
3. Big Stone.....	Petroleum, Coal	Otter Tail Power Co	455
4. Fort Randall.....	Hydro	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 Public Service Co	55
9. Watertown Power Plant.....	Petroleum	Missouri Basin Mun Pwr Agency	51
10. Lake Preston.....	Petroleum	Otter Tail Power Co	41

See footnotes at end of tables.

**Table 3. Top Five Providers of Retail Electricity, 2003**  
(Megawatthours)

Entity	Ownership Type	All Sectors	Residential	Commercial	Industrial	Transportation
<b>South Dakota</b>						
1. Northern States Power Co.....	Investor-Owned	1,657,423	549,483	792,481	315,459	0
2. Black Hills Corp.....	Investor-Owned	1,378,786	445,423	647,790	285,573	0
3. Northwestern Public Service Co.....	Investor-Owned	1,192,772	453,143	551,508	188,121	0
4. Sioux Valley SW Elec Coop.....	Cooperative	348,809	209,846	83,239	55,724	0
5. Otter Tail Power Co.....	Investor-Owned	316,782	104,825	211,957	0	0
Total Sales, Top Five Providers.....		4,894,572	1,762,720	2,286,975	844,877	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, 1994, 1998, and 2003**  
(Megawatts)

Energy Source	1994	1998	2003	Annual Growth Rate 1994-2003 (Percent)	Percentage Share		
					1994	1998	2003
<b>South Dakota</b>							
<b>Electric Utilities</b> .....	<b>2,965</b>	<b>2,922</b>	<b>2,650</b>	<b>-1.2</b>	<b>100.0</b>	<b>100.0</b>	<b>98.5</b>
Coal.....	488	477	476	-.3	16.5	16.3	17.7
Petroleum.....	223	208	237	.7	7.5	7.1	8.8
Natural Gas.....	296	293	34	-21.4	10.0	10.0	1.3
Dual Fired.....	138	138	351	10.9	4.7	4.7	13.0
Hydroelectric.....	1,820	1,806	1,549	-1.8	61.4	61.8	57.6
Other Renewables.....	0	0	3	NM	.0	.0	.1
<b>Independent Power Producers and Combined</b>							
<b>Heat and Power</b> .....	<b>0</b>	<b>0</b>	<b>41</b>	<b>NM</b>	<b>.0</b>	<b>.0</b>	<b>1.5</b>
Other Renewables.....	0	0	41	NM	.0	.0	1.5
<b>Total Electric Industry</b> .....	<b>2,965</b>	<b>2,922</b>	<b>2,690</b>	<b>-1.1</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	488	477	476	-.3	16.5	16.3	17.7
Petroleum.....	223	208	237	.7	7.5	7.1	8.8
Natural Gas.....	296	293	34	-21.4	10.0	10.0	1.3
Dual Fired.....	138	138	351	10.9	4.7	4.7	13.0
Hydroelectric.....	1,820	1,806	1,549	-1.8	61.4	61.8	57.6
Other Renewables.....	0	0	43	NM	.0	.0	1.6

See footnotes at end of tables.

**Table 5. Electric Power Industry Generation by Primary Energy Source, 1994, 1998, and 2003**  
(Megawatthours)

Energy Source	1994	1998	2003	Annual Growth Rate 1994-2003 (Percent)	Percentage Share		
					1994	1998	2003
<b>South Dakota</b>							
<b>Electric Utilities</b> .....	<b>7,991,260</b>	<b>9,088,990</b>	<b>7,904,755</b>	<b>-0.1</b>	<b>100.0</b>	<b>100.0</b>	<b>99.5</b>
Coal.....	2,833,332	3,094,113	3,431,203	2.1	35.5	34.0	43.2
Petroleum.....	20,731	26,551	16,058	-2.8	.3	.3	.2
Natural Gas.....	8,437	210,726	176,024	40.2	.1	2.3	2.2
Hydroelectric.....	5,128,760	5,757,600	4,276,303	-2.0	64.2	63.3	53.8
Other Renewables.....	0	0	5,167	NM	.0	.0	.1
<b>Independent Power Producers and Combined</b>							
<b>Heat and Power</b> .....	<b>0</b>	<b>0</b>	<b>39,082</b>	<b>NM</b>	<b>.0</b>	<b>.0</b>	<b>.5</b>
Other Renewables.....	0	0	39,082	NM	.0	.0	.5
<b>Total Electric Industry</b> .....	<b>7,991,260</b>	<b>9,088,990</b>	<b>7,943,837</b>	<b>-.1</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	2,833,332	3,094,113	3,431,203	2.1	35.5	34.0	43.2
Petroleum.....	20,731	26,551	16,058	-2.8	.3	.3	.2
Natural Gas.....	8,437	210,726	176,024	40.2	.1	2.3	2.2
Hydroelectric.....	5,128,760	5,757,600	4,276,303	-2.0	64.2	63.3	53.8
Other Renewables.....	0	0	44,249	NM	.0	.0	.6

See footnotes at end of tables.

**Table 6. Electric Power Delivered Fuel Prices for Coal, Petroleum, and Natural Gas, 1994, 1998, and 2003**

Fuel, Quality	1994	1998	2003	Annual Growth Rate 1994-2003 (Percent)
<b>South Dakota</b>				
Coal (cents per million Btu).....	108.3	92.7	134.3	2.4
Average heat value (Btu per pound).....	6,049	8,728	8,560	3.9
Average sulfur Content (percent).....	.9	.7	.3	-10.7
Petroleum (cents per million Btu).....	.0	.0	803.6	NM
Average heat value (Btu per gallon).....	0	0	138,211	NM
Average sulfur Content (percent).....	.0	.0	.2	NM
Natural Gas (cents per million Btu).....	272.3	176.7	.0	NM
Average heat value (Btu per cubic foot).....	972	1,000	0	NM

See footnotes at end of tables.

**Table 7. Electric Power Industry Emissions Estimates, 1994, 1998, and 2003**  
(Thousand Metric Tons)

Emission Type	1994	1998	2003	Annual Growth Rate 1994-2003 (Percent)
<b>South Dakota</b>				
<b>Sulfur Dioxide</b>				
Coal .....	30	19	11	-10.3
Petroleum .....	*	*	*	16.7
Natural Gas .....	—	—	—	NM
Other.....	*	*	*	46.1
Total .....	30	19	12	-9.9
<b>Nitrogen Oxide</b>				
Coal .....	10	22	15	4.8
Petroleum .....	—	*	*	NM
Gas.....	*	*	*	17.3
Other.....	*	*	*	33.0
Total .....	10	22	15	5.0
<b>Carbon Dioxide</b>				
Coal .....	3,253	3,196	3,516	.9
Petroleum .....	21	28	18	-1.5
Gas.....	8	154	115	33.6
Geothermal.....	—	—	—	NM
Other.....	—	—	—	NM
Total .....	3,282	3,378	3,649	1.2

See footnotes at end of tables.

**Table 8. Retail Sales, Revenue, and Average Retail Price by Sector, 1994, 1998, and 2003**

Sector	1994	1998	2003	Annual Growth Rate 1994-2003 (Percent)	Percentage Share		
					1994	1998	2003
<b>South Dakota</b>							
Retail Sales (thousand megawatthours)							
Residential.....	3,147	3,303	3,740	1.9	43.9	42.2	41.2
Commercial.....	1,919	2,263	3,713	7.6	26.8	28.9	40.9
Industrial.....	1,762	1,868	1,627	-9	24.6	23.9	17.9
Other.....	346	390	NA	NM	4.8	5.0	NA
Total.....	7,174	7,824	9,080	2.6	100.0	100.0	100.0
Retail Revenue (million dollars)							
Residential.....	222	240	280	2.6	50.0	49.1	48.5
Commercial.....	127	150	224	6.5	28.6	30.7	38.8
Industrial.....	79	83	73	-9	17.8	17.0	12.6
Other.....	16	17	NA	NM	3.6	3.5	NA
Total.....	444	489	577	2.9	100.0	100.0	100.0
Average Retail Price (cents/kWh)							
Residential.....	7.06	7.27	7.47	.6	NA	NA	NA
Commercial.....	6.60	6.62	6.04	-1.0	NA	NA	NA
Industrial.....	4.51	4.44	4.51	.0	NA	NA	NA
Other.....	4.62	4.28	NA	NM	NA	NA	NA
Total.....	6.19	6.26	6.35	.3	NA	NA	NA

See footnotes at end of tables.

**Table 9. Retail Electricity Sales Statistics, 2003**

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.....	212,384	55,453	18	132,379	NA	NA	NA	400,234
Retail Sales (thousand megawatthours).....	4,814	1,311	302	2,652	NA	NA	NA	9,080
Percentage of Retail Sales.....	53.02	14.44	3.33	29.21	NA	NA	NA	100.00
Revenue from Retail Sales (million dollars).....	323	67	4	183	NA	NA	NA	577
Percentage of Revenue.....	55.98	11.59	.75	31.68	NA	NA	NA	100.00
Average Retail Price (cents/kWh).....	6.71	5.10	1.43	6.89	NA	NA	NA	6.35

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.