

**Table 1. 2002 Summary Statistics**

Item	Value	U.S. Rank
<b>South Dakota</b>		
NERC Region(s).....		WSCC/MAPP
Primary Energy Source .....		Hydro
Net Summer Capability (megawatts).....	2,854	46
Electric Utilities .....	2,854	37
Net Generation (megawatthours).....	7,721,958	46
Electric Utilities .....	7,721,958	39
Emissions (thousand short tons)		
Sulfur Dioxide.....	13	45
Nitrogen Oxide.....	16	40
Carbon Dioxide.....	3,845	47
Sulfur Dioxide/sq. mile.....	0	47
Nitrogen Oxide/sq. mile.....	0	47
Carbon Dioxide/sq. mile.....	51	48
Utility and ESP Retail Electricity Sales (megawatthours).....	8,936,801	48
Utility Retail Electricity Sales (megawatthours) .....	8,936,801	46
Average Retail Price (cents/kWh).....	6.26	27

See footnotes at end of tables.

**Table 2. Ten Largest Plants by Generating Capability, 2002**

Plant	Energy Sources	Operating Company	Net Capability (MW)
<b>South Dakota</b>			
1. Oahe .....	Hydro	USCE-Missouri River District	714
2. Big Bend .....	Hydro	USCE-Missouri River District	509
3. Big Stone .....	Petroleum, Coal	Otter Tail Power Co	456
4. Fort Randall .....	Hydro	USCE-Missouri River District	353
5. Angus Anson .....	Petroleum, Gas	Northern States Power Co	229
6. Gavins Point.....	Hydro	USCE-Missouri River District	102
7. Ben French.....	Petroleum, Gas, Coal	Black Hills Corp	100
8. Spirit Mound.....	Petroleum	Basin Electric Power Coop	96
9. Pathfinder .....	Gas	Northern States Power Co	61
10. Huron.....	Gas	Northwestern Public Service Co	55

See footnotes at end of tables.

**Table 3. Top Five Utilities Ranked by Retail Sales, 2002**  
(Megawatthours)

Utility	All Sectors	Residential	Commercial	Industrial	Other
<b>South Dakota</b>					
A. Northern States Power Company.....	1,649,284	557,369	751,330	331,848	8,737
B. Black Hills Power Inc .....	1,358,155	436,721	601,416	294,073	25,945
C. NorthWestern Public Service Co .....	1,189,391	458,557	504,069	209,290	17,475
D. Sioux Valley Southwestern El .....	330,579	208,588	69,196	49,073	3,722
E. Western Area Power Admin.....	317,363	0	0	0	317,363
Total .....	4,844,772	1,661,235	1,926,011	884,284	373,242
Percentage of Utility Sales.....	54	45	63	55	69

See footnotes at end of tables.

**Table 4. Electric Power Industry Generating Capability by Primary Energy Source, 1993, 1997, and 2002**  
(Megawatts)

Energy Source	1993	1997	2002	Annual Growth Rate 1993-2002 (Percent)	Percentage Share 1993	Percentage Share 1997	Percentage Share 2002
<b>South Dakota</b>							
Coal .....	467	467	477	0.2	17.1	16.0	16.7
Petroleum .....	223	208	238	.7	8.2	7.1	8.3
Natural Gas .....	86	293	324	15.9	3.1	10.0	11.3
Dual Fired .....	138	138	135	-2	5.0	4.7	4.7
Hydroelectric .....	1,820	1,820	1,678	-9	66.6	62.2	58.8
Other Renewables .....	0	0	3	NM	.0	.0	.1
<b>Total Electric Utilities .....</b>	<b>2,733</b>	<b>2,927</b>	<b>2,854</b>	<b>.5</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Coal .....	467	467	477	.2	17.1	16.0	16.7
Petroleum .....	223	208	238	.7	8.2	7.1	8.3
Natural Gas .....	86	293	324	15.9	3.1	10.0	11.3
Dual Fired .....	138	138	135	-2	5.0	4.7	4.7
Hydroelectric .....	1,820	1,820	1,678	-9	66.6	62.2	58.8
Other Renewables .....	0	0	3	NM	.0	.0	.1
<b>Total Electric Industry .....</b>	<b>2,733</b>	<b>2,927</b>	<b>2,854</b>	<b>.5</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

See footnotes at end of tables.

**Table 5. Electric Power Industry Generation of Electricity by Primary Energy Source, 1993, 1997, and 2002**  
(Megawatthours)

Energy Source	1993	1997	2002	Annual Growth Rate 1993-2002 (Percent)	Percentage Share 1993	Percentage Share 1997	Percentage Share 2002
<b>South Dakota</b>							
Coal .....	2,641,582	3,314,068	3,271,523	2.4	50.3	26.6	42.4
Petroleum .....	12,287	6,536	4,961	-9.6	.2	.1	.1
Natural Gas .....	10,527	116,637	85,778	26.2	.2	.9	1.1
Hydroelectric .....	2,591,115	9,012,260	4,353,653	5.9	49.3	72.4	56.4
Other Renewables .....	0	0	6,043	NM	.0	.0	.1
<b>Total Electric Utilities .....</b>	<b>5,255,511</b>	<b>12,449,501</b>	<b>7,721,958</b>	<b>4.4</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Coal .....	2,641,582	3,314,068	3,271,523	2.4	50.3	26.6	42.4
Petroleum .....	12,287	6,536	4,961	-9.6	.2	.1	.1
Natural Gas .....	10,527	116,637	85,778	26.2	.2	.9	1.1
Hydroelectric .....	2,591,115	9,012,260	4,353,653	5.9	49.3	72.4	56.4
Other Renewables .....	0	0	6,043	NM	.0	.0	.1
<b>Total Electric Industry .....</b>	<b>5,255,511</b>	<b>12,449,501</b>	<b>7,721,958</b>	<b>4.4</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

See footnotes at end of tables.

**Table 6. Electric Power Delivered Fuel Prices for Coal, Petroleum, and Natural Gas, 1993, 1997, and 2002**

Fuel	1993	1997	2002	Annual Growth Rate 1993-2002 (Percent)
<b>South Dakota</b>				
Coal (2002 cents per million Btu) .....	122.4	94.6	129.5	0.6
Average heat value (Btu per pound) .....	6,057	8,687	8,477	3.8
Average sulfur Content(percent) .....	.9	.6	.4	-9.4
Petroleum (2002 cents per million Btu) .....	520.9	.0	.0	NM
Average heat value (Btu per gallon) .....	140,000	0	139,945	.0
Gas (2002 cents per million Btu).....	265.1	.0	.0	NM
Average heat value (Btu per cubic foot).....	1,014	0	980	-4

See footnotes at end of tables.

**Table 7. Electric Power Industry Emissions Estimates, 1993, 1997, and 2002**  
(Thousand Short Tons)

Emission Type	1993	1997	2002	Annual Growth Rate 1993-2002 (Percent)
<b>South Dakota</b>				
Sulfur Dioxide				
Coal .....	31	25	13	-9.5
Petroleum .....	*	*	0	NM
Other.....	0	*	0	NM
Total .....	31	25	13	-9.5
Nitrogen Oxide				
Coal .....	19	24	16	-1.4
Petroleum .....	*	0	0	NM
Gas.....	*	*	*	13.1
Other.....	0	*	0	NM
Total .....	19	24	16	-1.3
Carbon Dioxide				
Coal .....	3,294	3,760	3,762	1.5
Petroleum .....	15	11	7	-8.3
Gas.....	11	103	76	23.9
Total .....	3,320	3,873	3,845	1.6

See footnotes at end of tables.

**Table 8. Retail Sales, Revenue, and Average Revenue per Kilowatthour by Sector, 1993, 1997, and 2001**

Sector	1993	1997	2002	Annual Growth Rate 1993-2002 (Percent)	Percentage Share 1993	Percentage Share 1997	Percentage Share 2002
<b>South Dakota</b>							
Retail Sales (thousand megawatthours)							
Residential.....	3,109	3,376	3,733	2.0	45.0	43.4	41.8
Commercial.....	1,621	2,207	3,062	7.3	23.5	28.4	34.3
Industrial.....	1,847	1,841	1,604	-1.6	26.8	23.7	17.9
Other.....	327	349	538	5.7	4.7	4.5	6.0
Total.....	6,905	7,773	8,937	2.9	100.0	100.0	100.0
Retail Sales Revenue (million 2002 dollars)							
Residential.....	244	246	276	1.4	51.1	49.5	49.3
Commercial.....	122	150	191	5.1	25.5	30.3	34.1
Industrial.....	95	84	73	-2.9	19.8	16.8	13.0
Other.....	17	17	20	1.8	3.5	3.4	3.5
Total.....	477	497	560	1.8	100.0	100.0	100.0
Average Revenue per Kilowatthour (2002 cents/kWh)							
Residential.....	7.84	7.28	7.40	-6	NA	NA	NA
Commercial.....	7.51	6.82	6.24	-2.0	NA	NA	NA
Industrial.....	5.12	4.55	4.54	-1.3	NA	NA	NA
Other.....	5.07	4.85	3.63	-3.6	NA	NA	NA
Total.....	6.91	6.39	6.26	-1.1	NA	NA	NA

See footnotes at end of tables.

**Table 9. Utility Retail Sales Statistics, 2002**

Item	Investor-Owned	Public	Federal	Cooperative	Energy Service Providers	Total
<b>South Dakota</b>						
Number of Entities.....	1	49	0	23	0	73
Number of Retail Customers.....	57,406	242,439	0	95,186	0	395,031
Retail Sales (thousand megawatthours).....	1,189	5,939	0	1,808	0	8,937
Percentage of Retail Sales.....	13.31	66.46	.00	20.23	.00	100.00
Revenue from Retail Sales (million 2002 dollars).....	83	346	0	131	0	560
Percentage of Revenue.....	14.88	61.75	.00	23.37	.00	100.00
Revenue per Kilowatthour (2002 cents/kWh).....	7.00	5.82	.00	7.24	0	6.26

IPP = Independent Power Producer.

NA = Not available.

NM = Not meaningful.

\* = 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 ".5").