

**Table 1. 2002 Summary Statistics**

Item	Value	U.S. Rank
<b>Minnesota</b>		
NERC Region(s).....		MAPP
Primary Energy Source .....		Coal
Net Summer Capability (megawatts).....	11,287	30
Electric Utilities .....	10,329	22
Independent Power Producers & Combined Heat and Power .....	958	38
Net Generation (megawatthours).....	52,777,966	25
Electric Utilities .....	48,568,719	21
Independent Power Producers & Combined Heat and Power .....	4,209,247	32
Emissions (thousand short tons)		
Sulfur Dioxide .....	111	25
Nitrogen Oxide .....	98	19
Carbon Dioxide .....	40,009	27
Sulfur Dioxide/sq. mile.....	1	34
Nitrogen Oxide/sq. mile.....	1	30
Carbon Dioxide/sq. mile.....	503	36
Utility and ESP Retail Electricity Sales (megawatthours).....	62,162,361	24
Utility Retail Electricity Sales (megawatthours) .....	62,162,361	23
Direct Use (megawatthours).....	2,701,154	16
Average Retail Price (cents/kWh).....	5.84	36

See footnotes at end of tables.

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

Plant	Energy Sources	Operating Company	Net Capability (MW)
<b>Minnesota</b>			
1. Sherburne County .....	Petroleum, Coal	Northern States Power Co	2,292
2. Prairie Island .....	Nuclear	Northern States Power Co	1,049
3. Clay Boswell.....	Petroleum, Coal	Minnesota Power Inc	914
4. Monticello .....	Nuclear	Northern States Power Co	597
5. Allen S King .....	Gas, Petroleum, Coal	Northern States Power Co	571
6. Black Dog .....	Petroleum, Gas, Coal	Northern States Power Co	548
7. Lakefield Junction .....	Petroleum, Gas	Great River Energy	487
8. Pleasant Valley .....	Petroleum, Gas	Great River Energy	421
9. Riverside .....	Gas, Petroleum, Coal	Northern States Power Co	384
10. Inver Hills .....	Gas	Northern States Power Co	351

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>Minnesota</b>					
A. Northern States Power Company.....	30,177,176	8,487,493	12,080,327	9,369,198	240,158
B. Minnesota Power, Inc. ....	8,779,771	960,107	1,127,782	6,616,799	75,083
C. Otter Tail Power Company .....	1,908,089	502,102	989,506	383,160	33,321
D. Connexus Energy .....	1,693,572	1,017,852	584,482	72,640	18,598
E. Dakota Electric Association.....	1,626,875	834,273	299,415	478,464	14,723
Total .....	44,185,483	11,801,827	15,081,512	16,920,261	381,883
Percentage of Utility Sales.....	71	58	78	79	52

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>Minnesota</b>							
Coal .....	5,708	5,811	5,726	0.0	60.3	57.1	50.7
Petroleum .....	915	1,011	943	.3	9.7	9.9	8.4
Natural Gas .....	128	291	294	9.6	1.4	2.9	2.6
Dual Fired .....	329	264	1,420	17.6	3.5	2.6	12.6
Nuclear .....	1,554	1,572	1,646	.6	16.4	15.4	14.6
Hydroelectric .....	144	142	134	-.8	1.5	1.4	1.2
Other Renewables .....	85	126	166	7.7	.9	1.2	1.5
<b>Total Electric Utilities .....</b>	<b>8,864</b>	<b>9,216</b>	<b>10,329</b>	<b>1.7</b>	<b>93.7</b>	<b>90.6</b>	<b>91.5</b>
Coal .....	345	349	158	-8.3	3.6	3.4	1.4
Petroleum .....	14	20	29	8.3	.2	.2	.3
Natural Gas .....	30	29	133	17.9	.3	.3	1.2
Dual Fired .....	27	300	172	22.9	.3	2.9	1.5
Hydroelectric .....	64	72	42	-4.6	.7	.7	.4
Other Renewables .....	115	191	412	15.2	1.2	1.9	3.7
Other .....	0	0	11	NM	.0	.0	.1
<b>Total IPP's &amp; Combined Heat and Power .....</b>	<b>595</b>	<b>961</b>	<b>958</b>	<b>5.4</b>	<b>6.3</b>	<b>9.4</b>	<b>8.5</b>
Coal .....	6,053	6,159	5,885	-.3	64.0	60.5	52.1
Petroleum .....	929	1,031	973	.5	9.8	10.1	8.6
Natural Gas .....	159	320	427	11.6	1.7	3.1	3.8
Dual Fired .....	356	564	1,592	18.1	3.8	5.5	14.1
Nuclear .....	1,554	1,572	1,646	.6	16.4	15.4	14.6
Hydroelectric .....	208	214	176	-1.8	2.2	2.1	1.6
Other Renewables .....	200	317	578	12.5	2.1	3.1	5.1
Other .....	0	0	11	NM	.0	.0	.1
<b>Total Electric Industry .....</b>	<b>9,459</b>	<b>10,177</b>	<b>11,287</b>	<b>2.0</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>Minnesota</b>							
Coal .....	27,110,850	27,081,067	32,200,713	1.9	61.6	62.6	61.0
Petroleum .....	630,166	763,764	640,129	.2	1.4	1.8	1.2
Natural Gas .....	279,415	511,966	897,018	13.8	.6	1.2	1.7
Nuclear .....	11,986,053	10,819,172	13,684,824	1.5	27.2	25.0	25.9
Hydroelectric .....	833,736	697,224	736,795	-1.4	1.9	1.6	1.4
Other Renewables .....	413,881	429,333	409,240	-1	.9	1.0	.8
<b>Total Electric Utilities .....</b>	<b>41,254,101</b>	<b>40,302,526</b>	<b>48,568,719</b>	<b>1.8</b>	<b>93.7</b>	<b>93.2</b>	<b>92.0</b>
Coal .....	1,541,512	1,520,639	1,719,496	1.2	3.5	3.5	3.3
Petroleum .....	7,738	73,623	12,662	5.6	.0	.2	.0
Natural Gas .....	233,278	260,798	694,935	12.9	.5	.6	1.3
Hydroelectric .....	317,072	337,474	72,290	-15.1	.7	.8	.1
Other Renewables .....	686,934	745,237	1,667,855	10.4	1.6	1.7	3.2
Other .....	0	0	42,010	NM	.0	.0	.1
<b>Total IPP's &amp; Combined Heat and Power .....</b>	<b>2,786,533</b>	<b>2,937,770</b>	<b>4,209,247</b>	<b>4.7</b>	<b>6.3</b>	<b>6.8</b>	<b>8.0</b>
Coal .....	28,652,362	28,601,706	33,920,209	1.9	65.1	66.1	64.3
Petroleum .....	637,904	837,387	652,790	.3	1.4	1.9	1.2
Natural Gas .....	512,693	772,764	1,591,953	13.4	1.2	1.8	3.0
Nuclear .....	11,986,053	10,819,172	13,684,824	1.5	27.2	25.0	25.9
Hydroelectric .....	1,150,808	1,034,698	809,085	-3.8	2.6	2.4	1.5
Other Renewables .....	1,100,815	1,174,570	2,077,095	7.3	2.5	2.7	3.9
Other .....	0	0	42,010	NM	.0	.0	.1
<b>Total Electric Industry .....</b>	<b>44,040,634</b>	<b>43,240,296</b>	<b>52,777,966</b>	<b>2.0</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>Minnesota</b>				
Coal (2002 cents per million Btu) .....	126.5	112.5	106.0	-1.9
Average heat value (Btu per pound) .....	8,844	8,895	8,818	*
Average sulfur Content(percent) .....	.4	.4	.4	.3
Petroleum (2002 cents per million Btu) .....	88.8	80.0	60.1	-4.2
Average heat value (Btu per gallon) .....	71,632	72,268	131,276	7.0
Average sulfur Content(percent) .....	5.3	5.6	5.8	.9
Gas (2002 cents per million Btu) .....	273.2	250.4	373.0	3.5
Average heat value (Btu per cubic foot) .....	1,008	1,004	1,006	*

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>Minnesota</b>				
Sulfur Dioxide				
Coal .....	116	123	110	-0.6
Petroleum .....	*	*	*	.0
Gas.....	0	0	0	NM
Other.....	2	3	1	-9.7
Total .....	119	126	111	- .8
Nitrogen Oxide				
Coal .....	136	103	94	-4.0
Petroleum .....	*	*	*	.0
Gas.....	1	1	1	5.0
Other.....	3	3	2	-1.5
Total .....	140	107	98	-3.9
Carbon Dioxide				
Coal .....	33,503	34,882	38,417	1.5
Petroleum .....	722	921	637	-1.4
Gas.....	384	536	900	9.9
Other.....	51	58	53	.5
Total .....	34,661	36,397	40,009	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>Minnesota</b>							
Retail Sales (thousand megawatthours)							
Residential.....	15,597	17,073	20,451	3.1	31.7	30.7	32.9
Commercial.....	8,535	10,137	19,457	9.6	17.3	18.2	31.3
Industrial .....	24,384	27,713	21,515	-1.4	49.5	49.8	34.6
Other .....	694	750	740	.7	1.4	1.3	1.2
Total .....	49,211	55,674	62,162	2.6	100.0	100.0	100.0
Retail Sales Revenue (million 2002 dollars)							
Residential.....	1,231	1,269	1,531	2.4	40.1	39.6	42.2
Commercial.....	589	649	1,143	7.6	19.2	20.2	31.5
Industrial .....	1,194	1,234	900	-3.1	38.9	38.5	24.8
Other .....	55	55	54	-2	1.8	1.7	1.5
Total .....	3,070	3,207	3,630	1.9	100.0	100.0	100.0
Average Revenue per Kilowatthour (2002 cents/kWh)							
Residential.....	7.89	7.43	7.49	-6	NA	NA	NA
Commercial.....	6.90	6.40	5.88	-1.8	NA	NA	NA
Industrial .....	4.90	4.45	4.19	-1.7	NA	NA	NA
Other .....	7.99	7.32	7.36	-9	NA	NA	NA
Total .....	6.24	5.76	5.84	-7	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>Minnesota</b>						
Number of Entities.....	4	131	0	43	0	178
Number of Retail Customers.....	1,341,154	395,113	0	636,174	0	2,372,441
Retail Sales (thousand megawatthours).....	40,866	10,108	0	11,188	0	62,162
Percentage of Retail Sales.....	65.74	16.26	.00	18.00	.00	100.00
Revenue from Retail Sales (million 2002 dollars).....	2,240	616	0	774	0	3,630
Percentage of Revenue.....	61.70	16.97	.00	21.32	.00	100.00
Revenue per Kilowatthour (2002 cents/kWh).....	5.48	6.09	.00	6.92	0	5.84

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 "\*\*".)