

**Table 1. 2002 Summary Statistics**

Item	Value	U.S. Rank
<b>North Dakota</b>		
NERC Region(s).....		MAPP
Primary Energy Source .....		Coal
Net Summer Capability (megawatts).....	4,699	41
Electric Utilities .....	4,659	35
Independent Power Producers & Combined Heat and Power .....	40	49
Net Generation (megawatthours).....	31,306,312	39
Electric Utilities .....	31,147,221	32
Independent Power Producers & Combined Heat and Power .....	159,091	49
Emissions (thousand short tons)		
Sulfur Dioxide.....	144	23
Nitrogen Oxide.....	77	29
Carbon Dioxide.....	36,416	29
Sulfur Dioxide/sq. mile.....	2	30
Nitrogen Oxide/sq. mile.....	1	32
Carbon Dioxide/sq. mile.....	528	34
Utility and ESP Retail Electricity Sales (megawatthours).....	10,219,353	45
Utility Retail Electricity Sales (megawatthours) .....	10,219,353	44
Direct Use (megawatthours).....	191,751	37
Average Retail Price (cents/kWh).....	5.45	46

See footnotes at end of tables.

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

Plant	Energy Sources	Operating Company	Net Capability (MW)
<b>North Dakota</b>			
1. Coal Creek.....	Petroleum, Coal	Great River Energy	1,091
2. Antelope Valley.....	Petroleum, Coal	Basin Electric Power Coop	904
3. Milton R Young.....	Petroleum, Coal	Minnkota Power Coop Inc	705
4. Leland Olds.....	Petroleum, Coal	Basin Electric Power Coop	669
5. Garrison.....	Hydro	USCE-Missouri River District	497
6. Coyote.....	Petroleum, Coal	Otter Tail Power Co	427
7. Stanton.....	Petroleum, Coal	Great River Energy	187
8. R M Heskett.....	Gas, Coal	MDU Resources Group Inc	102
9. Jamestown.....	Petroleum	Otter Tail Power Co	42
10. American Crystal Suga.....	Coal	American Crystal Sugar Co	13

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>North Dakota</b>					
A. Northern States Power Company.....	2,047,352	737,573	965,437	319,618	24,724
B. Otter Tail Power Company.....	1,478,095	523,700	871,225	53,519	29,651
C. MDU Resources Group, Inc.....	1,333,091	512,592	630,043	130,710	59,746
D. Basin Electric Power Coop.....	917,718	0	0	917,718	0
E. Cass County Electric Coop, Inc.....	683,399	389,301	224,853	60,469	8,776
Total.....	6,459,655	2,163,166	2,691,558	1,482,034	122,897
Percentage of Utility Sales.....	63	59	79	56	24

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>North Dakota</b>							
Coal .....	3,856	4,062	4,084	0.6	85.6	85.2	86.9
Petroleum .....	66	117	69	.5	1.5	2.5	1.5
Natural Gas .....	10	9	10	-.5	.2	.2	.2
Hydroelectric .....	545	545	497	-1.0	12.1	11.4	10.6
<b>Total Electric Utilities .....</b>	<b>4,478</b>	<b>4,733</b>	<b>4,659</b>	<b>.4</b>	<b>99.4</b>	<b>99.3</b>	<b>99.2</b>
Coal .....	18	18	21	1.9	.4	.4	.5
Natural Gas .....	3	0	0	NM	.1	.0	.0
Other Gases .....	7	7	8	1.7	.2	.2	.2
Other Renewables .....	0	9	10	NM	.0	.2	.2
<b>Total IPP's &amp; Combined Heat and Power .....</b>	<b>29</b>	<b>35</b>	<b>40</b>	<b>3.8</b>	<b>.6</b>	<b>.7</b>	<b>.8</b>
Coal .....	3,874	4,080	4,105	.6	86.0	85.6	87.3
Petroleum .....	66	117	69	.5	1.5	2.5	1.5
Natural Gas .....	13	9	10	-3.6	.3	.2	.2
Other Gases .....	7	7	8	1.7	.2	.2	.2
Hydroelectric .....	545	545	497	-1.0	12.1	11.4	10.6
Other Renewables .....	0	9	10	NM	.0	.2	.2
<b>Total Electric Industry .....</b>	<b>4,506</b>	<b>4,767</b>	<b>4,699</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>North Dakota</b>							
Coal .....	27,048,924	26,314,471	29,518,865	1.0	94.4	88.1	94.3
Petroleum .....	35,795	85,698	35,728	.0	.1	.3	.1
Natural Gas .....	-5	18	12	NM	.0	.0	.0
Hydroelectric .....	1,415,110	3,319,577	1,592,616	1.3	4.9	11.1	5.1
<b>Total Electric Utilities .....</b>	<b>28,499,824</b>	<b>29,719,764</b>	<b>31,147,221</b>	<b>1.0</b>	<b>99.4</b>	<b>99.6</b>	<b>99.5</b>
Coal .....	91,789	75,481	92,659	.1	.3	.3	.3
Petroleum .....	25,323	8,529	2,848	-21.6	.1	.0	.0
Natural Gas .....	7,082	373	8,030	1.4	.0	.0	.0
Other Gases .....	39,393	44,317	55,144	3.8	.1	.1	.2
Other Renewables .....	0	4,139	410	NM	.0	.0	.0
<b>Total IPP's &amp; Combined Heat and Power .....</b>	<b>163,587</b>	<b>132,838</b>	<b>159,091</b>	<b>-.3</b>	<b>.6</b>	<b>.4</b>	<b>.5</b>
Coal .....	27,140,713	26,389,952	29,611,524	1.0	94.7	88.4	94.6
Petroleum .....	61,118	94,227	38,576	-5.0	.2	.3	.1
Natural Gas .....	7,077	391	8,042	1.4	.0	.0	.0
Other Gases .....	39,393	44,317	55,144	3.8	.1	.1	.2
Hydroelectric .....	1,415,110	3,319,577	1,592,616	1.3	4.9	11.1	5.1
Other Renewables .....	0	4,139	410	NM	.0	.0	.0
<b>Total Electric Industry .....</b>	<b>28,663,411</b>	<b>29,852,602</b>	<b>31,306,312</b>	<b>1.0</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>North Dakota</b>				
Coal (2002 cents per million Btu) .....	79.6	80.0	74.3	-0.8
Average heat value (Btu per pound).....	6,570	6,559	6,523	-.1
Average sulfur Content(percent) .....	.7	.8	.7	-.2
Petroleum (2002 cents per million Btu) .....	492.3	471.9	572.8	1.7
Average heat value (Btu per gallon).....	138,018	139,091	141,343	.3
Average sulfur Content(percent) .....	.0	.0	.4	NM
Gas (2002 cents per million Btu).....	473.7	330.9	247.9	-6.9
Average heat value (Btu per cubic foot).....	1,080	1,066	950	-1.4

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>North Dakota</b>				
<b>Sulfur Dioxide</b>				
Coal .....	144	178	144	0.0
Petroleum .....	*	*	*	-23.1
Total .....	144	178	144	*
<b>Nitrogen Oxide</b>				
Coal .....	109	94	77	-3.8
Petroleum .....	*	*	*	-23.6
Gas.....	*	*	*	3.7
Other.....	0	0	0	NM
Total .....	110	94	77	-3.8
<b>Carbon Dioxide</b>				
Coal .....	33,383	32,482	36,322	.9
Petroleum .....	57	81	35	-5.3
Gas.....	38	41	59	5.1
Total .....	33,478	32,605	36,416	.9

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>North Dakota</b>							
Retail Sales (thousand megawatthours)							
Residential.....	3,209	3,437	3,664	1.5	43.2	41.5	35.8
Commercial.....	1,831	2,300	3,404	7.1	24.6	27.8	33.3
Industrial.....	1,905	2,076	2,636	3.7	25.6	25.1	25.8
Other.....	487	469	516	.6	6.6	5.7	5.0
Total.....	7,432	8,282	10,219	3.6	100.0	100.0	100.0
Retail Sales Revenue (million 2002 dollars)							
Residential.....	226	222	234	.4	46.8	46.1	42.0
Commercial.....	132	145	199	4.7	27.4	30.2	35.8
Industrial.....	103	93	105	.2	21.3	19.4	18.8
Other.....	22	21	19	-1.4	4.5	4.3	3.4
Total.....	482	481	557	1.6	100.0	100.0	100.0
Average Revenue per Kilowatthour (2002 cents/kWh)							
Residential.....	7.03	6.45	6.39	-1.1	NA	NA	NA
Commercial.....	7.22	6.32	5.85	-2.3	NA	NA	NA
Industrial.....	5.40	4.50	3.98	-3.3	NA	NA	NA
Other.....	4.44	4.39	3.68	-2.0	NA	NA	NA
Total.....	6.49	5.81	5.45	-1.9	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>North Dakota</b>						
Number of Entities.....	0	21	0	18	0	39
Number of Retail Customers.....	0	229,979	0	120,067	0	350,046
Retail Sales (thousand megawatthours).....	0	5,607	0	4,612	0	10,219
Percentage of Retail Sales.....	.00	54.87	.00	45.13	.00	100.00
Revenue from Retail Sales (million 2002 dollars).....	0	313	0	244	0	557
Percentage of Revenue.....	.00	56.19	.00	43.81	.00	100.00
Revenue per Kilowatthour (2002 cents/kWh).....	.00	5.58	.00	5.29	0	5.45

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 "\*\*").