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State Electricity Profiles 2006

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Quality

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Preface

The State Electricity Profiles 2006 presents a summary of State statistics. The objective of the publication is to provide industry decision makers, government policymakers, analysts, and the general public with historical data that may be used in understanding U.S. electricity markets. The State Electricity Profiles is prepared by the Electric Power Division; Office of Coal, Nuclear, Electric and Alternate Fuels; Energy Information Administration (EIA); U.S. Department of Energy.

Data in this report can be used in analytic studies to evaluate new legislation and are used by analysts, researchers, statisticians, and other professionals with regulatory, policy, and program responsibilities for Federal, State, and local governments.

The State Electricity Profiles presents a summary of key State statistics for the reporting year contrasted with the five previous years and 1990 and 1995. The tables present summary statistics; ten largest plants by generating capacity; top five entities ranked by retail sales; electric power industry generating capacity by primary energy source; electric power industry generation of electricity by primary energy source; utility delivered fuel prices for coal, petroleum, and natural gas; electric power emissions estimates; retail sales, revenue, and average revenue per kilowatthour by sector; and utility retail sales statistics. Monetary values in this publication are expressed in nominal terms.

Data published in the State Electricity Profiles are compiled from five forms filed annually by electric utilities and other electric power producers.

Data Sources

Table 1

Form EIA-767, "Steam-Electric Plant Operation and Design Report"
Form EIA-860, "Annual Electric Generation Report"
Form EIA-861, "Annual Electric Power Industry Report"
Form EIA-906, "Power Plant Report"
Form EIA-920, "Combined Heat and Power Plant Report"

Table 2

Form EIA-860, "Annual Electric Generation Report"

Table 3

Form EIA-861, "Annual Electric Power Industry Report"

Table 4

Form EIA-860, "Annual Electric Generation Report"

Table 5

Form EIA-906, "Power Plant Report"
Form EIA-920, "Combined Heat and Power Plant Report"

Table 6

FERC Form 423, "Cost and Quality of Fuels for Electric Plants"
Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report"

Table 7

Form EIA-767, "Steam-Electric Plant Operation and Design Report"
Form EIA-906, "Power Plant Report"
Form EIA-920, "Combined Heat and Power Plant Report"

Table 8

Form EIA-861, "Annual Electric Power Industry Report"

Table 9

Form EIA-861, "Annual Electric Power Industry Report"

Table 10

Form EIA-861, "Annual Electric Power Industry Report"
Form EIA-906, "Power Plant Report"
Form EIA-920, "Combined Heat and Power Plant Report"
DOE, Office of Electricity Delivery and Energy Reliability, Form OE-781R, “Annual Report of International Electric Export\Import Data,” predecessor forms, and National Energy Board of Canada. For 2001 forward, data from the California Independent System Operator are used in combination with the Form OE-781R values to estimate electricity trade with Mexico.

Table 1. 2006 Summary Statistics

Item	Value	U.S. Rank
Alabama		
NERC Region(s)		**SERC**
Primary Energy Source		**Coal**
Net Summer Capacity (megawatts)	**30,664**	**9**
Electric Utilities	23,218	7
Independent Power Producers & Combined Heat and Power	7,446	15
Net Generation (megawatthours)	**140,895,441**	**8**
Electric Utilities	124,365,180	3
Independent Power Producers & Combined Heat and Power	16,530,261	19
Emissions (thousand metric tons)		
Sulfur Dioxide	458	6
Nitrogen Oxide	122	10
Carbon Dioxide	85,116	9
Sulfur Dioxide (lbs/MWh)	7.2	13
Nitrogen Oxide (lbs/MWh)	1.9	31
Carbon Dioxide (lbs/MWh)	1,332	27
Total Retail Sales (megawatthours)	**90,677,695**	**14**
Full Service Provider Sales (megawatthours)	90,677,695	13
Direct Use (megawatthours)	**6,209,972**	**5**
Average Retail Price (cents/kWh)	**7.07**	**30**

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capacity, 2006

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
Alabama			
1. Browns Ferry	Nuclear	Tennessee Valley Authority	3,297
2. James H Miller Jr	Coal	Alabama Power Co	2,746
3. Barry	Coal	Alabama Power Co	2,441
4. E C Gaston	Coal	Alabama Power Co	1,897
5. Joseph M Farley	Nuclear	Alabama Power Co	1,711
6. Widows Creek	Coal	Tennessee Valley Authority	1,604
7. Colbert	Coal	Tennessee Valley Authority	1,558
8. E B Harris Electric Generating Plant	Gas	Southern Power Co	1,254
9. Gorgas	Coal	Alabama Power Co	1,247
10. Greene County	Coal	Alabama Power Co	1,237

See footnotes at end of tables.

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2006
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
Alabama						
1. Alabama Power Co	Investor-Owned	56,374,799	18,632,935	14,513,912	23,227,952	-
2. Tennessee Valley Authority	Federal	6,172,809	-	-	6,172,809	-
3. Huntsville City of	Public	5,112,852	2,350,963	1,658,521	1,103,368	-
4. Decatur Utilities	Public	1,408,108	375,192	316,009	716,907	-
5. Joe Wheeler Elec Member Corp	Cooperative	1,263,836	601,351	266,816	395,669	-
Total Sales, Top Five Providers		70,332,404	21,960,441	16,755,258	31,616,705	-
Percent of Total State Sales		78	68	76	87	-

See footnotes at end of tables.

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatts)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Alabama										
Electric Utilities	**20,023**	**20,463**	**22,532**	**23,429**	**23,007**	**23,186**	**23,252[R]**	**23,218**	**97.5**	**75.7**
Coal	11,777	11,669	11,362	11,246	11,217	11,238	11,500	11,465	57.3	37.4
Petroleum	65[R]	18	34	34	34	34	34	34	0.3	0.1
Natural Gas	400[R]	987	3,157	4,182	3,550	3,627	3,471[R]	3,440	1.9	11.2
Nuclear	4,847	4,835	4,966	4,966	4,972	5,008	5,008	5,008	23.6	16.3
Hydroelectric	2,934	2,955	3,014	3,002	3,234	3,280	3,240	3,271	14.3	10.7
Independent Power Producers and Combined Heat and Power	**521**	**983**	**1,303**	**3,157**	**7,154**	**7,461**	**7,442[R]**	**7,446**	**2.5**	**24.3**
Coal	23	23	23	19	14	132	92	92	0.1	0.3
Petroleum	-	2	6	7	7	9	9	9	-	*
Natural Gas	54	165	842	2,585	6,585	6,681	6,688[R]	6,664	0.3	21.7
Other Gases	90	122	-	4	4	84	100	100	0.4	0.3
Other Renewables	354	671	432	543	544	555	553	581	1.7	1.9
Total Electric Industry	**20,544**	**21,446**	**23,835**	**26,586**	**30,162**	**30,647**	**30,694**	**30,664**	**100.0**	**100.0**
Coal	11,800	11,692	11,385	11,265	11,231	11,370	11,592	11,557	57.4	37.7
Petroleum	65[R]	20	39	41	41	43	43	43	0.3	0.1
Natural Gas	454[R]	1,152	3,998	6,766	10,136	10,308	10,159	10,104	2.2	33.0
Other Gases	90	122	-	4	4	84	100	100	0.4	0.3
Nuclear	4,847	4,835	4,966	4,966	4,972	5,008	5,008	5,008	23.6	16.3
Hydroelectric	2,934	2,955	3,014	3,002	3,234	3,280	3,240	3,271	14.3	10.7
Other Renewables	354	671	432	543	544	555	553	581	1.7	1.9

See footnotes at end of tables.

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatthours)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Alabama										
Electric Utilities	**76,231,696**	**99,589,284**	**118,744,284**	**123,739,223**	**126,845,720**	**124,554,606**	**126,303,893**	**124,365,180**	**95.7**	**88.3**
Coal	53,301,276	68,553,249	71,483,576	71,630,811	76,238,978	74,475,725	77,742,466	77,664,239	66.9	55.1
Petroleum	91,916	101,716	262,600	184,379	195,363	111,271	97,269	87,885	0.1	0.1
Natural Gas	420,115	680,468	8,284,663	11,242,320	6,069,559	7,705,600	6,625,354	7,450,174	0.5	5.3
Nuclear	12,051,882	20,752,341	30,357,063	31,856,926	31,676,953	31,635,789	31,694,223	31,911,096	15.1	22.6
Hydroelectric	10,366,507	9,501,510	8,356,382	8,824,787	12,664,867	10,626,221	10,144,581	7,251,786	13.0	5.1
Independent Power Producers and Combined Heat and Power	**3,420,437**	**5,600,082**	**6,600,829**	**9,181,447**	**10,641,502**	**12,800,166**	**11,644,688**	**16,530,261**	**4.3**	**11.7**
Coal	356,839	494,385	714,538	410,853	457,413	340,959	370,171	440,638	0.4	0.3
Petroleum	46,173	99,822	171,949	127,669	141,281	158,252	137,611	84,962	0.1	0.1
Natural Gas	600,599	852,916	1,328,019	4,661,745	6,174,039	8,340,232	7,245,960[R]	11,947,270	0.8	8.5
Other Gases	269,476	347,027	189,147	112,541	170,368	181,942	107,088	131,109	0.3	0.1
Other Renewables	2,147,350	3,805,932	4,189,364	3,745,894	3,672,858	3,751,497	3,759,257[R]	3,905,741	2.7	2.8
Other	-	-	7,812	122,745	25,543	27,284	24,601	20,540	-	*
Total Electric Industry	**79,652,133**	**105,189,366**	**125,345,113**	**132,920,670**	**137,487,222**	**137,354,772**	**137,948,581**	**140,895,441**	**100.0**	**100.0**
Coal	53,658,115	69,047,634	72,198,114	72,041,664	76,696,391	74,816,684	78,112,637	78,104,877	67.4	55.4
Petroleum	138,089	201,538	434,549	312,048	336,644	269,523	234,880	172,847	0.2	0.1
Natural Gas	1,020,714	1,533,384	9,612,682	15,904,065	12,243,598	16,045,832	13,871,314[R]	19,397,444	1.3	13.8
Other Gases	269,476	347,027	189,147	112,541	170,368	181,942	107,088	131,109	0.3	0.1
Nuclear	12,051,882	20,752,341	30,357,063	31,856,926	31,676,953	31,635,789	31,694,223	31,911,096	15.1	22.6
Hydroelectric	10,366,507	9,501,510	8,356,382	8,824,787	12,664,867	10,626,221	10,144,581	7,251,786	13.0	5.1
Other Renewables	2,147,350	3,805,932	4,189,364	3,745,894	3,672,858	3,751,497	3,759,257[R]	3,905,741	2.7	2.8
Other	-	-	7,812	122,745	25,543	27,284	24,601	20,540	-	*

See footnotes at end of tables.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1990, 1995, and 2001 Through 2006

Fuel, Quality	1990	1995	2001	2002	2003	2004	2005	2006
Alabama								
Coal (cents per million Btu)	184	156	141	W	W	W	W	211
Average heat value (Btu per pound)	12,094	11,861	10,990	10,828	10,977	10,878	10,950	10,879
Average sulfur Content (percent)	1.51	1.20	0.92	0.94	0.95	0.84	0.97	0.94
Petroleum (cents per million Btu)	507	376	552	W	W	W	W	W
Average heat value (Btu per gallon)	130,098	138,276	144,286	140,588	141,395	142,757	141,012	140,469
Average sulfur Content (percent)	0.89	0.23	0.12	0.15	0.12	0.13	0.10	0.14
Natural Gas (cents per million Btu)	216	198	505	346	561	606	925	709
Average heat value (Btu per cubic foot)	1,030	1,016	1,030	1,037	1,039	1,035	1,041	1,036

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1990, 1995, and 2001 Through 2006
(Thousand Metric Tons)

Emission Type	1990	1995	2001	2002	2003	2004	2005	2006
Alabama								
Sulfur Dioxide								
Coal	485	458	435	417	425	385	428	430
Petroleum	1	1	2	1	1	1	1	1
Natural Gas	*	*	*	*	*	*	*	*
Other	19	25	26	28	26	23	26	26
Total	506	483	462	447	453	409	456	458
Nitrogen Oxide								
Coal	210	252	147	140	136	120	118	110
Petroleum	*	*	2	1	1	*	1	*
Natural Gas	2	4	13	13	8	9	6	5
Other	6	9	10	11	7	7	7	7
Total	218	266	171	165	152	136	131	122
Carbon Dioxide								
Coal	50,994	65,276	70,648	71,121	73,360	71,254	75,644	75,754
Petroleum	226	397	676	443	515	1,217	1,376	394
Natural Gas	1,107	2,170	6,490	8,383	6,365	7,845	6,766	8,945
Other Renewables	16	10	29	11	59	39	32	24
Total	52,342	67,853	77,843	79,958	80,300	80,354	83,818	85,116

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1990, 1995, and 2001 Through 2006

Sector	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Alabama										
Retail Sales (thousand megawatthours)										
Residential	20,719	24,314	27,802	30,022	29,416	30,109	31,315	32,277	34.6	35.6
Commercial	10,979	12,284	18,868	19,666	20,411	21,166	21,608	22,120	18.3	24.4
Industrial	27,618	32,847	31,949	32,615	34,017	35,595	36,279	36,281	46.1	40.0
Other	610	561	739	764	NA	NA	NA	NA	1.0	NA
All Sectors	59,926	70,007	79,358	83,067	83,844	86,871	89,202	90,678	100.0	100.0
Retail Revenue (million dollars)										
Residential	1,366	1,631	1,950	2,138	2,175	2,295	2,504	2,825	40.9	44.1
Commercial	738	827	1,233	1,305	1,399	1,506	1,620	1,809	22.1	28.2
Industrial	1,199	1,332	1,212	1,244	1,355	1,477	1,641	1,778	35.9	27.7
Other	34	41	53	57	NA	NA	NA	NA	1.0	NA
All Sectors	3,338	3,831	4,448	4,745	4,929	5,278	5,765	6,411	100.0	100.0
Average Retail Prices (cents/KWh)										
Residential	6.59	6.71	7.01	7.12	7.39	7.62	8.00	8.75	NA	NA
Commercial	6.72	6.73	6.53	6.63	6.85	7.12	7.50	8.18	NA	NA
Industrial	4.34	4.05	3.79	3.82	3.98	4.15	4.52	4.90	NA	NA
Other	5.61	7.35	7.11	7.46	NA	NA	NA	NA	NA	NA
All Sectors	5.57	5.47	5.60	5.71	5.88	6.08	6.46	7.07	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2006

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Alabama								
Number of Entities	1	36	1	24	NA	NA	NA	62
Number of Retail Customers	1,409,748	502,129	22	521,921	NA	NA	NA	2,433,820
Retail Sales (thousand megawatthours)	56,375	16,754	6,173	11,376	NA	NA	NA	90,678
Percentage of Retail Sales	62.17	18.48	6.81	12.55	NA	NA	NA	100.00
Revenue from Retail Sales (million dollars)	3,996	1,185	239	992	NA	NA	NA	6,411
Percentage of Revenue	62.32	18.48	3.72	15.47	NA	NA	NA	100.00
Average Retail Price (cents/kWh)	7.09	7.07	3.87	8.72	NA	NA	NA	7.07

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 services. 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.

Table 10. Supply and Disposition of Electricity, 1990, 1995, and 2001 Through 2006
(Million Kilowatthours)

Category	1990	1995	2001	2002	2003	2004	2005	2006
Alabama								
Supply								
Generation								
Electric Utilities	76,232	99,589	118,744	123,739	126,846	124,555	126,304	124,365
Independent Power Producers	28	7	45	2,357	4,065	6,127	4,821	7,103
Combined Heat and Power, Electric	666	647	698	1,459	1,311	1,446	2,174	4,683
Electric Power Sector Generation Subtotal	**76,925**	**100,244**	**119,487**	**127,555**	**132,221**	**132,127**	**133,299**	**136,152**
Combined Heat and Power, Industrial	2,727	4,946	5,858	5,365	5,266	5,227	4,650	4,744
Industrial and Commercial Generation Subtotal	**2,727**	**4,946**	**5,858**	**5,365**	**5,266**	**5,227**	**4,650**	**4,744**
Total Net Generation	**79,652**	**105,189**	**125,345**	**132,921**	**137,487**	**137,355**	**137,949**	**140,895**
Total Supply	**79,652**	**105,189**	**125,345**	**132,921**	**137,487**	**137,355**	**137,949**	**140,895**
Disposition								
Retail Sales								
Full Service Providers	59,926	70,007	79,358	83,067	83,844	86,871	89,202	90,678
Total Electric Industry Retail Sales	**59,926**	**70,007**	**79,358**	**83,067**	**83,844**	**86,871**	**89,202**	**90,678**
Direct Use	**3,380**	**5,553**	**6,264**	**6,400**	**6,481**	**6,488**	**3,540**	**6,210**
Estimated Losses	**4,493**	**5,315**	**4,304**	**5,236**	**4,939**	**5,748**	**5,785**	**6,152**
Total Disposition	**67,798**	**80,875**	**89,926**	**94,703**	**95,265**	**99,106**	**98,527**	**103,039**
Net Interstate Trade	**11,854**	**24,315**	**35,419**	**38,217**	**42,223**	**38,248**	**39,421**	**37,856**
Net Trade Index (ratio)	**1.17**	**1.30**	**1.39**	**1.40**	**1.44**	**1.39**	**1.40**	**1.37**

R = Revised.
NA = Not applicable; NM = Not meaningful.
W = Withheld to avoid disclosure of individual company data.
- = Data not available.
* = 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 10 Notes: Estimated Losses are reported at the utility level, and then allocated to States based on the utility's retail sales by State. Reported losses may include electricity unaccounted for by the utility. Net Interstate Trade represents the difference between the amount of electricity produced in the State and consumed in the State. Positive values indicate a State that is a net interstate exporter of electricity; negative values indicate a State that is a net interstate importer of electricity. The Net Trade Index represents a State's electricity self-sufficiency. Values greater than 1 indicate that, on an annual net basis, the State supplied electricity consumed outside the State; values less than 1 indicate that, on an annual net basis, the State consumed electricity produced outside the State.
General Notes: Table 4 "Other Renewables" includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. The "Other" category includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. However, Table 5 "Other Renewables" includes only biogenic municipal solid waste, in addition to wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. In Table 5 "Other" includes Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. In Table 7, "Other Renewables" emissions include biogenic municipal solid waste, and other renewable 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.

Table 1. 2006 Summary Statistics

Item	Value	U.S. Rank
Alaska		
NERC Region(s)		--
Primary Energy Source		**Gas**
Net Summer Capacity (megawatts)	**1,884**	**48**
Electric Utilities	1,736	39
Independent Power Producers & Combined Heat and Power	148	49
Net Generation (megawatthours)	**6,674,197**	**49**
Electric Utilities	6,068,520	40
Independent Power Producers & Combined Heat and Power	605,677	46
Emissions (thousand metric tons)		
Sulfur Dioxide	4	48
Nitrogen Oxide	18	41
Carbon Dioxide	4,585	46
Sulfur Dioxide (lbs/MWh)	1.4	42
Nitrogen Oxide (lbs/MWh)	6.0	2
Carbon Dioxide (lbs/MWh)	1,514	20
Total Retail Sales (megawatthours)	**6,182,291**	**50**
Full Service Provider Sales (megawatthours)	6,182,291	48
Direct Use (megawatthours)	**289,065**	**38**
Average Retail Price (cents/kWh)	**12.84**	**7**

See footnotes at end of tables.
There is no NERC Region for Alaska. This is shown as "--" in the table.

Table 2. Ten Largest Plants by Generating Capacity, 2006

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
Alaska			
1. Beluga	Gas	Chugach Electric Assn Inc	344
2. George M Sullivan Generation Plant 2	Gas	Anchorage Municipal Light and Power	220
3. Bradley Lake	Hydroelectric	Homer Electric Assn Inc	126
4. North Pole	Petroleum	Golden Valley Elec Assn Inc	96
5. Snettisham	Hydroelectric	Alaska Electric Light&Power Co	78
6. Bernice Lake	Gas	Chugach Electric Assn Inc	62
7. Anchorage 1	Gas	Anchorage Municipal Light and Power	62
9. Eklutna Hydro Project	Hydroelectric	Anchorage Municipal Light and Power	44
10. International	Gas	Chugach Electric Assn Inc	42

See footnotes at end of tables.

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2006
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
Alaska						
1. Golden Valley Electric Assn Inc	Cooperative	1,246,043	323,153	143,844	779,046	-
2. Chugach Electric Assn Inc	Cooperative	1,229,977	564,969	619,060	45,948	-
3. Anchorage Municipality of	Public	1,103,168	148,255	954,913	-	-
4. Matanuska Electric Assn Inc	Cooperative	678,884	431,007	247,877	-	-
5. Homer Electric Assn Inc	Cooperative	493,382	174,054	173,653	145,675	-
Total Sales, Top Five Providers		4,751,454	1,641,438	2,139,347	970,669	-
Percent of Total State Sales		77	77	76	78	-

See footnotes at end of tables.

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatts)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Alaska										
Electric Utilities	**1,542**	**1,732**	**1,770**	**1,740**	**1,753**	**1,722**	**1,769[R]**	**1,736**	**84.4**	**92.1**
Coal	56	54	25	25	25	25	52[R]	25	3.0	1.3
Petroleum	494[R]	572[R]	527	522	529	517	526	527	27.1	27.9
Natural Gas	756[R]	754[R]	819	796	803	785	785	785	41.4	41.7
Hydroelectric	236	353	399	396	396	395	397	397	12.9	21.1
Other Renewables	*	*	-	-	1	1	10	3	*	0.1
Independent Power Producers and Combined Heat and Power	**284**	**277**	**305**	**267**	**142**	**129**	**121[R]**	**148**	**15.6**	**7.9**
Coal	61	57	60	60	60	60	53[R]	80	3.3	4.2
Petroleum	85	46	56	55	50	48	48	48	4.6	2.6
Natural Gas	137	137	189	152	32	20	20	20	7.5	1.1
Other Renewables	2	37	-	-	-	-	-	-	0.1	-
Total Electric Industry	**1,826**	**2,009**	**2,075**	**2,006**	**1,895**	**1,851**	**1,890**	**1,884**	**100.0**	**100.0**
Coal	117	110	85	85	85	85	105	105	6.4	5.6
Petroleum	579[R]	619[R]	583	577	579	565	574	575	31.7	30.5
Natural Gas	893[R]	892[R]	1,008	948	835	805	805	805	48.9	42.7
Hydroelectric	236	353	399	396	396	395	397	397	12.9	21.1
Other Renewables	2	37	-	-	1	1	10	3	0.1	0.1

See footnotes at end of tables.

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatthours)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Alaska										
Electric Utilities	**4,493,024**	**4,846,922**	**5,416,191**	**5,471,990**	**5,673,462**	**5,866,420**	**5,946,148**	**6,068,520**	**80.2**	**90.9**
Coal	311,960	309,232	194,008	204,490	167,555	211,075	219,320	209,952	5.6	3.1
Petroleum	336,905	486,640	847,761	875,153	775,374	681,848	685,559	694,252	6.0	10.4
Natural Gas	2,869,638	2,678,935	3,027,807	2,952,996	3,147,997	3,475,477	3,576,738	3,939,921	51.2	59.0
Hydroelectric	974,521	1,372,115	1,345,665	1,439,351	1,582,536	1,498,020	1,463,942	1,223,607	17.4	18.3
Other Renewables	-	-	950	-	-	-	589	788	-	*
Independent Power Producers and Combined Heat and Power	**1,106,482**	**1,179,194**	**1,327,575**	**1,295,336**	**665,270**	**660,297**	**630,511**	**605,677**	**19.8**	**9.1**
Coal	198,613	219,698	370,585	370,798	382,109	437,352	403,810	406,982	3.5	6.1
Petroleum	160,211	133,924	89,228	87,217	70,900	65,775	74,559	74,655	2.9	1.1
Natural Gas	596,623	700,638	867,762	825,166	206,485	147,954	146,888	117,376	10.7	1.8
Other Renewables	151,035	124,934	-	12,155	5,777	9,215	5,254	6,663	2.7	0.1
Total Electric Industry	**5,599,506**	**6,026,116**	**6,743,766**	**6,767,326**	**6,338,732**	**6,526,717**	**6,576,659**	**6,674,197**	**100.0**	**100.0**
Coal	510,573	528,930	564,593	575,288	549,664	648,427	623,130	616,934	9.1	9.2
Petroleum	497,116	620,564	936,989	962,370	846,274	747,623	760,118	768,907	8.9	11.5
Natural Gas	3,466,261	3,379,573	3,895,569	3,778,162	3,354,482	3,623,431	3,723,626	4,057,297	61.9	60.8
Hydroelectric	974,521	1,372,115	1,345,665	1,439,351	1,582,536	1,498,020	1,463,942	1,223,607	17.4	18.3
Other Renewables	151,035	124,934	950	12,155	5,777	9,215	5,843	7,451	2.7	0.1

See footnotes at end of tables.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1990, 1995, and 2001 Through 2006

Fuel, Quality	1990	1995	2001	2002	2003	2004	2005	2006
Alaska								
Petroleum (cents per million Btu)	-	-	-	-	-	-	1,026	1,542
Average heat value (Btu per gallon)	-	-	-	-	-	-	138,800	138,993
Average sulfur Content (percent)	-	-	-	-	-	-	0.19	0.25
Natural Gas (cents per million Btu)	-	129	236	W	229	279	342	365
Average heat value (Btu per cubic foot)	-	1,002	1,010	1,001	1,000	1,000	1,000	1,000

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1990, 1995, and 2001 Through 2006
(Thousand Metric Tons)

Emission Type	1990	1995	2001	2002	2003	2004	2005	2006
Alaska								
Sulfur Dioxide								
Coal	14	10	4	4	2	2	2	2
Petroleum	4	*	4	3	3	2	2	2
Natural Gas	*	*	*	*	*	*	*	*
Other	1	1	-	-	-	-	-	-
Total	19	11	8	7	4	4	4	4
Nitrogen Oxide								
Coal	6	6	4	4	2	2	3	3
Petroleum	1	1	8	8	7	7	7	8
Natural Gas	6	5	6	6	6	15	7	7
Other	*	*	-	*	*	*	*	*
Total	13	12	18	19	16	25	17	18
Carbon Dioxide								
Coal	1,450	1,522	1,401	1,250	1,222	1,296	1,269	1,277
Petroleum	334	445	797	819	717	650	637	648
Natural Gas	2,391	2,095	2,392	2,344	2,009	2,785	2,418	2,660
Total	4,175	4,062	4,591	4,413	3,947	4,731	4,323	4,585

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1990, 1995, and 2001 Through 2006

Sector	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Alaska										
Retail Sales (thousand megawatthours)										
Residential	1,661	1,713	1,891	1,932	1,987	2,062	2,062	2,120	39.1	34.3
Commercial	1,972	2,200	2,289	2,238	2,473	2,601	2,695	2,819	46.4	45.6
Industrial	459	546	1,079	1,088	1,104	1,126	1,156	1,243	10.8	20.1
Other	161	172	194	207	NA	NA	NA	NA	3.8	NA
All Sectors	4,254	4,632	5,454	5,465	5,564	5,788	5,913	6,182	100.0	100.0
Retail Revenue (million dollars)										
Residential	168	192	229	233	238	256	274	314	41.7	39.6
Commercial	178	210	235	227	259	286	311	336	44.1	42.3
Industrial	36	46	82	83	87	94	107	143	9.0	18.1
Other	21	23	28	29	NA	NA	NA	NA	5.3	NA
All Sectors	403	471	575	572	584	636	693	794	100.0	100.0
Average Retail Prices (cents/KWh)										
Residential	10.11	11.24	12.12	12.05	11.98	12.44	13.30	14.83	NA	NA
Commercial	9.01	9.54	10.29	10.13	10.49	10.99	11.56	11.93	NA	NA
Industrial	7.91	8.38	7.61	7.65	7.86	8.33	9.29	11.54	NA	NA
Other	13.22	13.26	14.37	14.04	NA	NA	NA	NA	NA	NA
All Sectors	9.48	10.17	10.54	10.46	10.50	10.99	11.72	12.84	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2006

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Alaska								
Number of Entities	20	34	NA	18	NA	NA	NA	72
Number of Retail Customers	27,452	57,910	NA	223,213	NA	NA	NA	308,575
Retail Sales (thousand megawatthours)	499	1,627	NA	4,056	NA	NA	NA	6,182
Percentage of Retail Sales	8.08	26.31	NA	65.61	NA	NA	NA	100.00
Revenue from Retail Sales (million dollars)	71	163	NA	560	NA	NA	NA	794
Percentage of Revenue	9.00	20.48	NA	70.52	NA	NA	NA	100.00
Average Retail Price (cents/kWh)	14.31	10.00	NA	13.81	NA	NA	NA	12.84

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 services. 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.

Table 10. Supply and Disposition of Electricity, 1990, 1995, and 2001 Through 2006
(Million Kilowatthours)

Category	1990	1995	2001	2002	2003	2004	2005	2006
Alaska								
Supply								
Generation								
Electric Utilities	4,493	4,847	5,416	5,472	5,673	5,866	5,946	6,069
Combined Heat and Power, Electric	-	-	237	244	162	182	174	187
Electric Power Sector Generation Subtotal	**4,493**	**4,847**	**5,653**	**5,716**	**5,836**	**6,049**	**6,120**	**6,256**
Combined Heat and Power, Commercial	266	230	153	156	230	269	245	231
Combined Heat and Power, Industrial	841	949	937	895	273	209	211	188
Industrial and Commercial Generation Subtotal	**1,106**	**1,179**	**1,090**	**1,052**	**503**	**478**	**457**	**418**
Total Net Generation	**5,600**	**6,026**	**6,744**	**6,767**	**6,339**	**6,527**	**6,577**	**6,674**
Total International Imports	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
Total Supply	**5,600**	**6,027**	**6,745**	**6,768**	**6,340**	**6,528**	**6,578**	**6,675**
Disposition								
Retail Sales								
Full Service Providers	4,254	4,632	5,454	5,465	5,564	5,788	5,913	6,182
Total Electric Industry Retail Sales	**4,254**	**4,632**	**5,454**	**5,465**	**5,564**	**5,788**	**5,913**	**6,182**
Direct Use	**1,106**	**1,164**	**1,042**	**1,064**	**1,078**	**1,079**	**330**	**289**
Estimated Losses	**319**	**352**	**283**	**338**	**325**	**361**	**482**	**504**
Total Disposition	**5,679**	**6,147**	**6,779**	**6,868**	**6,967**	**7,228**	**6,725**	**6,976**
Net Interstate Trade	**-79**	**-120**	**-34**	**-100**	**-627**	**-700**	**-147**	**-300**
Net Trade Index (ratio)	**0.99**	**0.98**	**0.99**	**0.99**	**0.91**	**0.90**	**0.98**	**0.96**

R = Revised.
NA = Not applicable; NM = Not meaningful.
W = Withheld to avoid disclosure of individual company data.
- = Data not available.
* = 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 10 Notes: Estimated Losses are reported at the utility level, and then allocated to States based on the utility's retail sales by State. Reported losses may include electricity unaccounted for by the utility. Net Interstate Trade represents the difference between the amount of electricity produced in the State and consumed in the State. Positive values indicate a State that is a net interstate exporter of electricity; negative values indicate a State that is a net interstate importer of electricity. The Net Trade Index represents a State's electricity self-sufficiency. Values greater than 1 indicate that, on an annual net basis, the State supplied electricity consumed outside the State; values less than 1 indicate that, on an annual net basis, the State consumed electricity produced outside the State.
General Notes: Table 4 "Other Renewables" includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. The "Other" category includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. However, Table 5 "Other Renewables" includes only biogenic municipal solid waste, in addition to wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. In Table 5 "Other" includes Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. In Table 7, "Other Renewables" emissions include biogenic municipal solid waste, and other renewable 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.

Table 1. 2006 Summary Statistics

Item	Value	U.S. Rank
Arizona		
NERC Region(s)		**WECC**
Primary Energy Source		**Coal**
Net Summer Capacity (megawatts)	**25,608**	**15**
Electric Utilities	19,566	14
Independent Power Producers & Combined Heat and Power	6,041	17
Net Generation (megawatthours)	**104,392,528**	**14**
Electric Utilities	84,355,976	15
Independent Power Producers & Combined Heat and Power	20,036,552	15
Emissions (thousand metric tons)		
Sulfur Dioxide	45	33
Nitrogen Oxide	75	21
Carbon Dioxide	53,353	17
Sulfur Dioxide (lbs/MWh)	0.9	43
Nitrogen Oxide (lbs/MWh)	1.6	36
Carbon Dioxide (lbs/MWh)	1,127	38
Total Retail Sales (megawatthours)	**73,252,776**	**21**
Full Service Provider Sales (megawatthours)	73,252,776	20
Direct Use (megawatthours)	**268,615**	**39**
Average Retail Price (cents/kWh)	**8.24**	**21**

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capacity, 2006

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
Arizona			
1. Palo Verde	Nuclear	Arizona Public Service Co	3,872
2. Navajo	Coal	Salt River Project	2,250
3. Gila River Power Station	Gas	Panda Gila River LP	2,060
4. Glen Canyon Dam	Hydroelectric	U S Bureau of Reclamation	1,312
5. Santan	Gas	Salt River Project	1,227
6. Springerville	Coal	Tucson Electric Power Co	1,205
7. Mesquite Generating Station	Gas	Mesquite Power LLC	1,073
8. Harquahala Generating Project	Gas	New Harquahala Generating Co, LLC	1,054
9. Hoover Dam	Hydroelectric	U S Bureau of Reclamation	1,040
10. Cholla	Coal	Arizona Public Service Co	1,021

See footnotes at end of tables.

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2006
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
Arizona						
1. Arizona Public Service Co	Investor-Owned	27,970,397	12,901,612	12,251,092	2,817,693	-
2. Salt River Project	Public	26,249,636	12,650,175	10,753,881	2,845,580	-
3. Tucson Electric Power Co	Investor-Owned	9,201,419	3,778,369	1,959,141	3,463,909	-
4. Morenci Water & Electric Co	Investor-Owned	1,677,899	11,766	16,063	1,650,070	-
5. UNS Electric, Inc	Investor-Owned	1,611,420	803,980	616,268	191,172	-
Total Sales, Top Five Providers		66,710,771	30,145,902	25,596,445	10,968,424	-
Percent of Total State Sales		91	93	89	89	-

See footnotes at end of tables.

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatts)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Arizona										
Electric Utilities	**14,906**	**15,222**	**15,284**	**15,699**	**16,193**	**16,141**	**18,860[R]**	**19,566**	**99.3**	**76.4**
Coal	5,116	5,159	5,336	5,336	5,336	5,336	5,362	5,762	34.1	22.5
Petroleum	78[R]	95[R]	243	263	191	108	108	86	0.5	0.3
Natural Gas	3,306[R]	3,273[R]	3,080	3,444	3,908	3,955	6,566[R]	6,897	22.0	26.9
Nuclear	3,663	3,810	3,733	3,733	3,825	3,804	3,875	3,872	24.4	15.1
Hydroelectric	2,595	2,699	2,705	2,703	2,706	2,710	2,720	2,720	17.3	10.6
Other Renewables	-	-	5	5	11	12	13	13	-	0.1
Pumped Storage	148	185	182	216	216	216	216	216	1.0	0.8
Independent Power Producers and Combined Heat and Power	**105**	**160**	**1,437**	**3,743**	**7,316**	**8,162**	**6,044[R]**	**6,041**	**0.7**	**23.6**
Coal	51	51	68	68	68	68	68	68	0.3	0.3
Petroleum	8	7	4	4	4	4	4	4	0.1	*
Natural Gas	46	103	1,365	3,672	7,245	8,091	5,969[R]	5,967	0.3	23.3
Other Renewables	-	-	-	-	-	-	3	3	-	*
Total Electric Industry	**15,011**	**15,382**	**16,721**	**19,442**	**23,510**	**24,303**	**24,904**	**25,608**	**100.0**	**100.0**
Coal	5,167	5,210	5,404	5,404	5,404	5,404	5,430	5,830	34.4	22.8
Petroleum	86[R]	102[R]	247	267	195	112	112	90	0.6	0.4
Natural Gas	3,352[R]	3,376[R]	4,446	7,115	11,152	12,046	12,535	12,864	22.3	50.2
Nuclear	3,663	3,810	3,733	3,733	3,825	3,804	3,875	3,872	24.4	15.1
Hydroelectric	2,595	2,699	2,705	2,703	2,706	2,710	2,720	2,720	17.3	10.6
Other Renewables	-	-	5	5	11	12	16	16	-	0.1
Pumped Storage	148	185	182	216	216	216	216	216	1.0	0.8

See footnotes at end of tables.

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatthours)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Arizona										
Electric Utilities	**62,288,980**	**68,966,538**	**85,807,868**	**81,710,063**	**80,348,246**	**81,351,521**	**82,914,964**	**84,355,976**	**99.2**	**80.8**
Coal	31,636,037	31,710,476	39,731,623	37,957,468	37,739,559	39,419,177	39,750,729	40,056,468	50.4	38.4
Petroleum	116,407	63,610	311,787	51,061	46,706	39,414	41,127	71,761	0.2	0.1
Natural Gas	2,271,504	1,729,497	9,106,433	5,238,416	6,580,927	6,812,355	10,739,962	13,232,997	3.6	12.7
Nuclear	20,597,689	26,984,507	28,724,076	30,861,911	28,581,053	28,112,609	25,807,446	24,012,231	32.8	23.0
Hydroelectric	7,417,576	8,288,419	7,623,565	7,427,180	7,074,984	6,973,147	6,410,064	6,792,904	11.8	6.5
Other Renewables	-	-	34,090	50,063	41,426	48,259	58,271	41,063	-	*
Pumped Storage	249,767	190,029	276,294	123,964	283,590	-53,440	107,365	148,552	0.4	0.1
Independent Power Producers and Combined Heat and Power	**485,317**	**814,401**	**4,103,404**	**12,421,603**	**14,047,972**	**23,212,622**	**18,563,690**	**20,036,552**	**0.8**	**19.2**
Coal	279,573	241,183	329,871	269,163	351,850	394,690	392,581	386,378	0.4	0.4
Petroleum	35,460	18,947	2,419	6,385	1,970	1,102	2,081	1,637	0.1	*
Natural Gas	62,396	463,450	3,765,767	12,054,599	12,351,714	21,449,276	18,153,305	19,636,033	0.1	18.8
Other Renewables	107,888	90,821	5,347	3,742	3,843	4	15,724	12,504	0.2	*
Other	-	-	-	87,714	1,338,595	1,367,550	-	-	-	-
Total Electric Industry	**62,774,297**	**69,780,939**	**89,911,272**	**94,131,666**	**94,396,218**	**104,564,143**	**101,478,654**	**104,392,528**	**100.0**	**100.0**
Coal	31,915,610	31,951,659	40,061,494	38,226,631	38,091,409	39,813,867	40,143,310	40,442,846	50.8	38.7
Petroleum	151,867	82,557	314,206	57,446	48,676	40,516	43,208	73,398	0.2	0.1
Natural Gas	2,333,900	2,192,947	12,872,200	17,293,015	18,932,641	28,261,631	28,893,267	32,869,030	3.7	31.5
Nuclear	20,597,689	26,984,507	28,724,076	30,861,911	28,581,053	28,112,609	25,807,446	24,012,231	32.8	23.0
Hydroelectric	7,417,576	8,288,419	7,623,565	7,427,180	7,074,984	6,973,147	6,410,064	6,792,904	11.8	6.5
Other Renewables	107,888	90,821	39,437	53,805	45,269	48,263	73,995	53,567	0.2	0.1
Pumped Storage	249,767	190,029	276,294	123,964	283,590	-53,440	107,365	148,552	0.4	0.1
Other	-	-	-	87,714	1,338,595	1,367,550	-	-	-	-

See footnotes at end of tables.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1990, 1995, and 2001 Through 2006

Fuel, Quality	1990	1995	2001	2002	2003	2004	2005	2006
Arizona								
Coal (cents per million Btu)	143	139	125	W	W	W	W	W
Average heat value (Btu per pound)	10,482	10,274	10,145	10,232	10,081	10,211	10,088	10,011
Average sulfur Content (percent)	0.49	0.53	0.58	0.60	0.64	0.57	0.57	0.57
Petroleum (cents per million Btu)	446	510	706	W	W	W	1,403	1,625
Average heat value (Btu per gallon)	142,831	139,933	143,333	139,567	139,550	133,595	140,912	139,114
Average sulfur Content (percent)	0.48	0.33	0.77	0.07	0.20	0.25	0.31	0.16
Natural Gas (cents per million Btu)	237	173	460	320	506	572	804	636
Average heat value (Btu per cubic foot)	1,034	1,022	1,020	1,021	1,021	1,021	1,025	1,018

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1990, 1995, and 2001 Through 2006
(Thousand Metric Tons)

Emission Type	1990	1995	2001	2002	2003	2004	2005	2006
Arizona								
Sulfur Dioxide								
Coal	113	124	66	64	63	55	48	45
Petroleum	*	*	1	*	*	*	*	*
Natural Gas	*	*	*	*	*	*	*	*
Other	1	1	-	-	-	-	-	*
Total	115	125	67	64	63	55	48	45
Nitrogen Oxide								
Coal	145	141	76	74	73	73	71	71
Petroleum	*	*	*	*	*	*	*	*
Natural Gas	3	3	12	9	10	4	4	4
Other	*	*	*	*	*	*	*	*
Total	149	144	89	83	83	78	75	75
Carbon Dioxide								
Coal	31,336	31,622	39,107	37,404	37,538	39,225	39,507	39,867
Petroleum	111	62	299	51	43	40	35	58
Natural Gas	1,265	1,199	6,988	7,858	9,077	12,992	11,814	13,429
Other Renewables	-	-	-	108	-	-	-	-
Total	32,712	32,884	46,394	45,421	46,657	52,257	51,357	53,353

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1990, 1995, and 2001 Through 2006

Sector	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Arizona										
Retail Sales (thousand megawatthours)										
Residential	15,378	18,036	26,200	26,413	27,742	28,921	30,544	32,367	37.1	44.2
Commercial	13,731	16,290	22,045	22,371	25,425	26,106	27,468	28,626	33.1	39.1
Industrial	10,034	11,992	11,377	11,026	10,914	11,906	11,379	12,259	24.2	16.7
Other	2,327	2,272	2,652	2,791	NA	NA	NA	NA	5.6	NA
All Sectors	41,470	48,589	62,274	62,601	64,080	66,933	69,391	73,253	100.0	100.0
Retail Revenue (million dollars)										
Residential	1,390	1,640	2,174	2,185	2,316	2,447	2,707	3,042	43.2	50.4
Commercial	1,139	1,313	1,624	1,629	1,803	1,901	2,032	2,295	35.4	38.0
Industrial	560	631	597	573	587	637	665	698	17.4	11.6
Other	126	117	131	127	NA	NA	NA	NA	3.9	NA
All Sectors	3,215	3,700	4,526	4,514	4,706	4,985	5,404	6,034	100.0	100.0
Average Retail Prices (cents/KWh)										
Residential	9.04	9.09	8.30	8.27	8.35	8.46	8.86	9.40	NA	NA
Commercial	8.29	8.06	7.37	7.28	7.09	7.28	7.40	8.02	NA	NA
Industrial	5.58	5.26	5.24	5.20	5.37	5.35	5.85	5.69	NA	NA
Other	5.41	5.15	4.93	4.56	NA	NA	NA	NA	NA	NA
All Sectors	7.75	7.62	7.27	7.21	7.34	7.45	7.79	8.24	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2006

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Arizona								
Number of Entities	5	28	3	9	NA	NA	NA	45
Number of Retail Customers	1,534,948	1,003,973	19,258	172,191	NA	NA	NA	2,730,370
Retail Sales (thousand megawatthours)	40,474	28,683	1,443	2,653	NA	NA	NA	73,253
Percentage of Retail Sales	55.25	39.16	1.97	3.62	NA	NA	NA	100.00
Revenue from Retail Sales (million dollars)	3,524	2,190	56	264	NA	NA	NA	6,034
Percentage of Revenue	58.40	36.30	0.93	4.37	NA	NA	NA	100.00
Average Retail Price (cents/kWh)	8.71	7.64	3.90	9.95	NA	NA	NA	8.24

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 services. 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.

Table 10. Supply and Disposition of Electricity, 1990, 1995, and 2001 Through 2006
(Million Kilowatthours)

Category	1990	1995	2001	2002	2003	2004	2005	2006
Arizona								
Supply								
Generation								
Electric Utilities	62,289	68,967	85,808	81,710	80,348	81,352	82,915	84,356
Independent Power Producers	-	-	3,290	10,954	11,851	20,891	16,390	17,617
Combined Heat and Power, Electric	-	399	459	1,153	1,823	1,874	1,689	1,959
Electric Power Sector Generation Subtotal	**62,289**	**69,365**	**89,557**	**93,817**	**94,023**	**104,116**	**100,994**	**103,932**
Combined Heat and Power, Commercial	30	32	23	18	17	51	72	72
Combined Heat and Power, Industrial	455	384	332	296	356	397	413	389
Industrial and Commercial Generation Subtotal	**485**	**416**	**355**	**314**	**374**	**448**	**484**	**461**
Total Net Generation	**62,774**	**69,781**	**89,911**	**94,132**	**94,396**	**104,564**	**101,479**	**104,393**
Total International Imports	**-**	**337**	**55**	**83**	**56**	**171**	**118**	**128**
Total Supply	**62,774**	**70,117**	**89,966**	**94,214**	**94,453**	**104,735**	**101,597**	**104,520**
Disposition								
Retail Sales								
Full Service Providers	41,470	48,589	62,274	62,601	64,080	66,933	69,391	73,253
Total Electric Industry Retail Sales	**41,470**	**48,589**	**62,274**	**62,601**	**64,080**	**66,933**	**69,391**	**73,253**
Direct Use	**446**	**390**	**361**	**369**	**374**	**374**	**502**	**269**
Total International Exports	**2**	**2**	**-**	**69**	**71**	**94**	**179**	**310**
Estimated Losses	**3,109**	**3,689**	**2,988**	**4,399**	**3,671**	**4,568**	**5,364**	**5,411**
Total Disposition	**45,027**	**52,670**	**65,624**	**67,437**	**68,195**	**71,969**	**75,436**	**79,242**
Net Interstate Trade	**17,747**	**17,447**	**24,342**	**26,777**	**26,257**	**32,767**	**26,161**	**25,278**
Net Trade Index (ratio)	**1.39**	**1.33**	**1.37**	**1.40**	**1.39**	**1.46**	**1.35**	**1.32**

R = Revised.
NA = Not applicable; NM = Not meaningful.
W = Withheld to avoid disclosure of individual company data.
- = Data not available.
* = 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 10 Notes: Estimated Losses are reported at the utility level, and then allocated to States based on the utility's retail sales by State. Reported losses may include electricity unaccounted for by the utility. Net Interstate Trade represents the difference between the amount of electricity produced in the State and consumed in the State. Positive values indicate a State that is a net interstate exporter of electricity; negative values indicate a State that is a net interstate importer of electricity. The Net Trade Index represents a State's electricity self-sufficiency. Values greater than 1 indicate that, on an annual net basis, the State supplied electricity consumed outside the State; values less than 1 indicate that, on an annual net basis, the State consumed electricity produced outside the State.
General Notes: Table 4 "Other Renewables" includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. The "Other" category includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. However, Table 5 "Other Renewables" includes only biogenic municipal solid waste, in addition to wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. In Table 5 "Other" includes Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. In Table 7, "Other Renewables" emissions include biogenic municipal solid waste, and other renewable 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.

Table 1. 2006 Summary Statistics

Item	Value	U.S. Rank
Arkansas		
NERC Region(s)		**SERC/SPP**
Primary Energy Source		**Coal**
Net Summer Capacity (megawatts)	**14,507**	**26**
Electric Utilities	10,669	23
Independent Power Producers & Combined Heat and Power	3,838	24
Net Generation (megawatthours)	**52,168,703**	**27**
Electric Utilities	42,068,467	24
Independent Power Producers & Combined Heat and Power	10,100,236	29
Emissions (thousand metric tons)		
Sulfur Dioxide	82	28
Nitrogen Oxide	38	34
Carbon Dioxide	28,494	32
Sulfur Dioxide (lbs/MWh)	3.5	29
Nitrogen Oxide (lbs/MWh)	1.6	35
Carbon Dioxide (lbs/MWh)	1,204	34
Total Retail Sales (megawatthours)	**46,635,624**	**30**
Full Service Provider Sales (megawatthours)	46,635,624	28
Direct Use (megawatthours)	**2,054,330**	**17**
Average Retail Price (cents/kWh)	**6.99**	**33**

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capacity, 2006

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
Arkansas			
1. Union Power Partners LP	Gas	Union Power Partners LP	2,020
2. Arkansas Nuclear One	Nuclear	Entergy Arkansas Inc	1,824
3. Independence	Coal	Entergy Arkansas Inc	1,678
4. White Bluff	Coal	Entergy Arkansas Inc	1,640
5. Robert E Ritchie	Gas	Entergy Arkansas Inc	918
6. Lake Catherine	Gas	Entergy Arkansas Inc	751
7. KGen Hot Spring LLC	Gas	Cinergy Solutions O&M LLC	652
8. Hot Spring Power Project	Gas	Hot Spring Power Co LLC	642
9. Wrightsville Power Facility	Gas	Arkansas Electric Coop Corp	568
10. Flint Creek	Coal	Southwestern Electric Power Co	528

See footnotes at end of tables.

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2006
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
Arkansas						
1. Entergy Arkansas Inc	Investor-Owned	21,331,673	7,655,217	6,089,281	7,587,175	-
2. Southwestern Electric Power Co	Investor-Owned	4,157,585	1,096,703	1,324,052	1,736,830	-
3. Mississippi County Electric Coop	Cooperative	3,463,428	57,567	18,325	3,387,536	-
4. Oklahoma Gas & Electric Co	Investor-Owned	2,778,964	706,902	861,848	1,210,214	-
5. First Electric Coop Corp	Cooperative	1,617,117	1,048,312	162,547	406,258	-
Total Sales, Top Five Providers		33,348,767	10,564,701	8,456,053	14,328,013	-
Percent of Total State Sales		72	62	73	80	-

See footnotes at end of tables.

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatts)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Arkansas										
Electric Utilities	**9,641**	**9,639**	**9,615**	**9,551**	**9,777**	**9,772**	**10,434[R]**	**10,669**	**96.7**	**73.5**
Coal	3,817	3,817	3,741	3,757	3,745	3,745	3,793	3,846	38.3	26.5
Petroleum	221[R]	217[R]	29	25	25	25	23	23	2.2	0.2
Natural Gas	2,620[R]	2,585[R]	2,645	2,578	2,752	2,750	3,369[R]	3,561	26.3	24.5
Nuclear	1,694	1,694	1,782	1,776	1,840	1,837	1,834	1,824	17.0	12.6
Hydroelectric	1,262	1,298	1,391	1,387	1,387	1,387	1,387	1,387	12.7	9.6
Pumped Storage	28	28	28	28	28	28	28	28	0.3	0.2
Independent Power Producers and Combined Heat and Power	**326**	**432**	**505**	**1,750**	**3,772**	**3,766**	**3,625[R]**	**3,838**	**3.3**	**26.5**
Petroleum	1	4	-	-	-	-	-	-	*	-
Natural Gas	89	91	234	1,448	3,468	3,468	3,327[R]	3,535	0.9	24.4
Hydroelectric	-	1	1	1	1	1	1	1	-	*
Other Renewables	236	335	270	301	303	297	297	302	2.4	2.1
Total Electric Industry	**9,967**	**10,071**	**10,120**	**11,300**	**13,549**	**13,538**	**14,059**	**14,507**	**100.0**	**100.0**
Coal	3,817	3,817	3,741	3,757	3,745	3,745	3,793	3,846	38.3	26.5
Petroleum	222[R]	221[R]	29	25	25	25	23	23	2.2	0.2
Natural Gas	2,709[R]	2,676[R]	2,878	4,026	6,220	6,218	6,696	7,096	27.2	48.9
Nuclear	1,694	1,694	1,782	1,776	1,840	1,837	1,834	1,824	17.0	12.6
Hydroelectric	1,262	1,299	1,392	1,388	1,388	1,388	1,388	1,389	12.7	9.6
Other Renewables	236	335	270	301	303	297	297	302	2.4	2.1
Pumped Storage	28	28	28	28	28	28	28	28	0.3	0.2

See footnotes at end of tables.

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatthours)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Arkansas										
Electric Utilities	**37,053,436**	**39,526,825**	**44,728,133**	**42,873,364**	**41,636,514**	**45,055,455**	**40,545,220**	**42,068,467**	**94.8**	**80.6**
Coal	19,160,989	21,506,397	24,678,344	22,986,650	23,422,401	25,248,810	22,940,659	24,095,405	49.0	46.2
Petroleum	73,856	53,208	846,105	136,134	263,982	476,133	162,961	135,291	0.2	0.3
Natural Gas	2,838,913	3,091,957	1,874,675	1,755,867	597,283	208,148	645,578	1,039,917	7.3	2.0
Nuclear	11,282,053	11,657,549	14,780,789	14,558,884	14,689,416	15,449,851	13,689,571	15,232,577	28.9	29.2
Hydroelectric	3,654,653	3,217,714	2,548,220	3,435,829	2,653,347	3,647,768	3,085,749	1,550,558	9.3	3.0
Pumped Storage	42,972	-	-	-	10,085	24,745	20,702	14,719	0.1	*
Independent Power Producers and Combined Heat and Power	**2,046,162**	**2,445,263**	**2,463,902**	**4,738,281**	**8,764,588**	**6,872,178**	**7,249,289**[R]	**10,100,236**	**5.2**	**19.4**
Coal	46,946	49,039	86,127	111,720	81,765	106,722	96,480	87,647	0.1	0.2
Petroleum	6,123	14,446	33,288	23,572	24,924	53,683	43,714	25,285	*	*
Natural Gas	739,660	817,393	832,225	2,847,091	6,703,577	4,844,084	5,362,346[R]	8,240,377	1.9	15.8
Hydroelectric	-	-	30	-	1,271	-4,329	-3,233	-	-	-
Other Renewables	1,253,433	1,560,734	1,511,997	1,585,266	1,843,889	1,758,503	1,734,689[R]	1,701,802	3.2	3.3
Other	-	3,651	235	170,631	109,161	113,513	15,292	45,125	-	0.1
Total Electric Industry	**39,099,598**	**41,972,088**	**47,192,035**	**47,611,645**	**50,401,102**	**51,927,633**	**47,794,509**[R]	**52,168,703**	**100.0**	**100.0**
Coal	19,207,935	21,555,436	24,764,471	23,098,370	23,504,166	25,355,532	23,037,139	24,183,052	49.1	46.4
Petroleum	79,979	67,654	879,393	159,706	288,906	529,816	206,675	160,576	0.2	0.3
Natural Gas	3,578,573	3,909,350	2,706,900	4,602,958	7,300,860	5,052,232	6,007,924[R]	9,280,294	9.2	17.8
Nuclear	11,282,053	11,657,549	14,780,789	14,558,884	14,689,416	15,449,851	13,689,571	15,232,577	28.9	29.2
Hydroelectric	3,654,653	3,217,714	2,548,250	3,435,829	2,654,618	3,643,439	3,082,516	1,550,558	9.3	3.0
Other Renewables	1,253,433	1,560,734	1,511,997	1,585,266	1,843,889	1,758,503	1,734,689[R]	1,701,802	3.2	3.3
Pumped Storage	42,972	-	-	-	10,085	24,745	20,702	14,719	0.1	*
Other	-	3,651	235	170,631	109,161	113,513	15,292	45,125	-	0.1

See footnotes at end of tables.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1990, 1995, and 2001 Through 2006

Fuel, Quality	1990	1995	2001	2002	2003	2004	2005	2006
Arkansas								
Coal (cents per million Btu)	161	161	87	84	120	123	146	147
Average heat value (Btu per pound)	8,740	8,687	8,715	8,685	8,758	8,761	8,745	8,778
Average sulfur Content (percent)	0.34	0.33	0.28	0.28	0.28	0.28	0.27	0.29
Petroleum (cents per million Btu)	470	418	626	550	646	726	1,001	1,356
Average heat value (Btu per gallon)	138,864	137,714	150,952	140,726	140,479	140,321	140,450	141,386
Average sulfur Content (percent)	0.26	0.22	0.45	0.44	0.41	0.46	0.49	0.51
Natural Gas (cents per million Btu)	154	170	429	351	423	602	834	621
Average heat value (Btu per cubic foot)	1,018	1,023	1,030	1,020	1,033	1,029	1,031	1,027

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1990, 1995, and 2001 Through 2006
(Thousand Metric Tons)

Emission Type	1990	1995	2001	2002	2003	2004	2005	2006
Arkansas								
Sulfur Dioxide								
Coal	67	70	68	64	65	71	60	66
Petroleum	*	*	4	1	2	3	1	1
Natural Gas	*	*	*	*	*	*	*	*
Other	11	12	12	12	13	13	36	15
Total	77	82	84	77	79	87	97	82
Nitrogen Oxide								
Coal	99	100	41	37	37	37	32	31
Petroleum	*	*	1	*	*	1	*	*
Natural Gas	7	8	4	4	6	2	2	2
Other	3	4	4	4	5	5	10	5
Total	109	111	50	45	49	44	44	38
Carbon Dioxide								
Coal	20,007	22,112	25,434	23,892	23,564	25,182	23,016	23,990
Petroleum	80	96	743	207	263	554	274	212
Natural Gas	2,963	3,210	1,854	2,844	3,415	2,649	3,026	4,218
Other Renewables	16	64	*	-	-	2	44	74
Total	23,066	25,481	28,032	26,943	27,242	28,388	26,360	28,494

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1990, 1995, and 2001 Through 2006

Sector	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Arkansas										
Retail Sales (thousand megawatthours)										
Residential	10,558	12,417	15,104	15,527	15,598	15,619	17,134	17,065	38.6	36.6
Commercial	6,075	7,147	9,153	9,304	10,568	10,731	11,366	11,581	22.2	24.8
Industrial	10,126	14,483	16,734	16,887	16,942	17,322	17,665	17,990	37.0	38.6
Other	606	625	741	731	NA	NA	NA	NA	2.2	NA
All Sectors	27,365	34,671	41,732	42,450	43,108	43,672	46,165	46,636	100.0	100.0
Retail Revenue (million dollars)										
Residential	852	991	1,165	1,126	1,130	1,150	1,371	1,511	46.5	46.3
Commercial	422	488	567	528	585	605	703	806	23.0	24.7
Industrial	516	653	741	678	685	720	837	943	28.2	28.9
Other	43	42	51	48	NA	NA	NA	NA	2.3	NA
All Sectors	1,833	2,174	2,524	2,380	2,399	2,475	2,910	3,260	100.0	100.0
Average Retail Prices (cents/KWh)										
Residential	8.07	7.98	7.72	7.25	7.24	7.36	8.00	8.85	NA	NA
Commercial	6.95	6.83	6.19	5.68	5.54	5.64	6.18	6.96	NA	NA
Industrial	5.10	4.51	4.43	4.01	4.04	4.16	4.74	5.24	NA	NA
Other	7.08	6.65	6.91	6.52	NA	NA	NA	NA	NA	NA
All Sectors	6.70	6.27	6.05	5.61	5.57	5.67	6.30	6.99	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2006

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Arkansas								
Number of Entities	4	15	NA	17	NA	NA	NA	36
Number of Retail Customers	859,716	173,243	NA	453,001	NA	NA	NA	1,485,960
Retail Sales (thousand megawatthours)	28,422	6,004	NA	12,210	NA	NA	NA	46,636
Percentage of Retail Sales	60.95	12.87	NA	26.18	NA	NA	NA	100.00
Revenue from Retail Sales (million dollars)	1,978	379	NA	903	NA	NA	NA	3,260
Percentage of Revenue	60.68	11.62	NA	27.70	NA	NA	NA	100.00
Average Retail Price (cents/kWh)	6.96	6.31	NA	7.40	NA	NA	NA	6.99

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 services. 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.

Table 10. Supply and Disposition of Electricity, 1990, 1995, and 2001 Through 2006
(Million Kilowatthours)

Category	1990	1995	2001	2002	2003	2004	2005	2006
Arkansas								
Supply								
Generation								
Electric Utilities	37,053	39,527	44,728	42,873	41,637	45,055	40,545	42,068
Independent Power Producers	-	-	*	1,247	5,030	3,204	3,997	6,966
Combined Heat and Power, Electric	-	-	539	1,304	1,550	1,436	1,215	1,151
Electric Power Sector Generation Subtotal	**37,053**	**39,527**	**45,267**	**45,425**	**48,216**	**49,695**	**45,757**	**50,186**
Combined Heat and Power, Commercial	55	48	9	8	7	4	4	4
Combined Heat and Power, Industrial	1,991	2,397	1,916	2,179	2,177	2,228	2,033	1,979
Industrial and Commercial Generation Subtotal	**2,046**	**2,445**	**1,925**	**2,187**	**2,185**	**2,232**	**2,037**	**1,983**
Total Net Generation	**39,100**	**41,972**	**47,192**	**47,612**	**50,401**	**51,928**	**47,795**	**52,169**
Total Supply	**39,100**	**41,972**	**47,192**	**47,612**	**50,401**	**51,928**	**47,795**	**52,169**
Disposition								
Retail Sales								
Full Service Providers	27,365	34,671	41,732	42,450	42,841	43,417	46,055	46,636
Facility Direct Retail Sales	-	-	-	-	267	256	110	-
Total Electric Industry Retail Sales	**27,365**	**34,671**	**41,732**	**42,450**	**43,108**	**43,672**	**46,165**	**46,636**
Direct Use	**2,004**	**2,385**	**2,313**	**2,363**	**2,393**	**2,396**	**2,083**	**2,054**
Estimated Losses	**2,052**	**2,632**	**2,953**	**3,874**	**3,193**	**3,691**	**4,080**	**3,449**
Total Disposition	**31,421**	**39,688**	**46,998**	**48,687**	**48,694**	**49,759**	**52,328**	**52,139**
Net Interstate Trade	**7,679**	**2,284**	**194**	**-1,075**	**1,707**	**2,169**	**-4,533**	**30**
Net Trade Index (ratio)	**1.24**	**1.06**	**1.00**	**0.98**	**1.04**	**1.04**	**0.91**	**1.00**

R = Revised.
NA = Not applicable; NM = Not meaningful.
W = Withheld to avoid disclosure of individual company data.
- = Data not available.
* = 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 10 Notes: Estimated Losses are reported at the utility level, and then allocated to States based on the utility's retail sales by State. Reported losses may include electricity unaccounted for by the utility. Net Interstate Trade represents the difference between the amount of electricity produced in the State and consumed in the State. Positive values indicate a State that is a net interstate exporter of electricity; negative values indicate a State that is a net interstate importer of electricity. The Net Trade Index represents a State's electricity self-sufficiency. Values greater than 1 indicate that, on an annual net basis, the State supplied electricity consumed outside the State; values less than 1 indicate that, on an annual net basis, the State consumed electricity produced outside the State.
General Notes: Table 4 "Other Renewables" includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. The "Other" category includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. However, Table 5 "Other Renewables" includes only biogenic municipal solid waste, in addition to wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. In Table 5 "Other" includes Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. In Table 7, "Other Renewables" emissions include biogenic municipal solid waste, and other renewable 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.

Table 1. 2006 Summary Statistics

Item	Value	U.S. Rank
California		
NERC Region(s)		**WECC**
Primary Energy Source		**Gas**
Net Summer Capacity (megawatts)	**63,213**	**2**
Electric Utilities	26,346	3
Independent Power Producers & Combined Heat and Power	36,867	4
Net Generation (megawatthours)	**216,798,688**	**4**
Electric Utilities	100,338,454	6
Independent Power Producers & Combined Heat and Power	116,460,234	4
Emissions (thousand metric tons)		
Sulfur Dioxide	27	38
Nitrogen Oxide	91	15
Carbon Dioxide	59,389	15
Sulfur Dioxide (lbs/MWh)	0.3	49
Nitrogen Oxide (lbs/MWh)	0.9	45
Carbon Dioxide (lbs/MWh)	604	47
Total Retail Sales (megawatthours)	**262,958,528**	**2**
Full Service Provider Sales (megawatthours)	241,735,246	2
Deregulated Sales (megawatthours)	21,223,282	4
Direct Use (megawatthours)	**14,030,060**	**3**
Average Retail Price (cents/kWh)	**12.82**	**8**

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capacity, 2006

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
California			
1. Moss Landing Power Plant	Gas	LS Power-Moss Landing LLC	2,498
2. Diablo Canyon	Nuclear	Pacific Gas & Electric Co	2,240
3. San Onofre	Nuclear	Southern California Edison Co	2,150
4. AES Alamitos LLC	Gas	AES Alamitos LLC	1,997
5. Haynes	Gas	Los Angeles City of	1,581
6. Ormond Beach	Gas	Reliant Energy Ormond Bch LLC	1,516
7. Castaic	Pumped Storage	Los Angeles City of	1,495
8. Pittsburg Power	Gas	Mirant Delta LLC	1,311
9. AES Redondo Beach LLC	Gas	AES Redondo Beach LLC	1,310
10. Helms Pumped Storage	Pumped Storage	Pacific Gas & Electric Co	1,212

See footnotes at end of tables.

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2006
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
California						
1. Southern California Edison Co	Investor-Owned	78,863,143	30,048,395	40,053,995	8,697,668	63,085
2. Pacific Gas & Electric Co	Investor-Owned	76,817,131	30,957,122	34,906,900	10,953,109	-
3. Los Angeles City of	Public	24,313,734	7,609,278	14,158,093	2,395,060	151,303
4. San Diego Gas & Electric Co	Investor-Owned	16,846,854	7,500,838	6,987,017	2,260,919	98,080
5. Sacramento Municipal Util Dist	Public	10,799,230	4,764,852	668,973	5,332,157	33,248
Total Sales, Top Five Providers		207,640,092	80,880,485	96,774,978	29,638,913	345,716
Percent of Total State Sales		79	90	80	58	39

See footnotes at end of tables.

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatts)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
California										
Electric Utilities	**43,681**	**43,302**	**24,405**	**24,609**	**23,223**	**23,867**	**25,248[R]**	**26,346**	**82.1**	**41.7**
Petroleum	2,800[R]	1,692[R]	524	296	297	297	297	245	5.3	0.4
Natural Gas	21,815[R]	22,040[R]	5,733	5,954	5,042	5,567	6,850[R]	7,917	41.0	12.5
Nuclear	4,746	4,310	4,324	4,324	4,324	4,324	4,324	4,390	8.9	6.9
Hydroelectric	9,199	9,807	9,848	10,040	9,716	9,840	9,849[R]	9,844	17.3	15.6
Other Renewables	1,595	1,723	247	265	156	150	240	261	3.0	0.4
Pumped Storage	3,526	3,730	3,730	3,730	3,688	3,688	3,688	3,688	6.6	5.8
Independent Power Producers and Combined Heat and Power	**9,534**	**10,187**	**30,077**	**32,054**	**34,628**	**34,440**	**36,460[R]**	**36,867**	**17.9**	**58.3**
Coal	432	420	363	352	358	389	389	389	0.8	0.6
Petroleum	168	174	558	541	527	541	543	544	0.3	0.9
Natural Gas	4,260	4,746	23,712	25,758	28,248	27,871	29,850[R]	30,084	8.0	47.6
Other Gases	107	176	281	226	225	235	191	171	0.2	0.3
Hydroelectric	568	638	483	323	232	238	239[R]	239	1.1	0.4
Other Renewables	3,999	4,024	4,669[R]	4,837	5,022	5,158	5,240	5,431	7.5	8.6
Other	-	9	13[R]	17	17	8	8	8	-	*
Total Electric Industry	**53,215**	**53,489**	**54,482**	**56,663**	**57,850**	**58,306**	**61,707**	**63,213**	**100.0**	**100.0**
Coal	432	420	363	352	358	389	389	389	0.8	0.6
Petroleum	2,968[R]	1,866[R]	1,082	837	824	838	840	789	5.6	1.2
Natural Gas	26,075[R]	26,786[R]	29,444	31,712	33,290	33,438	36,700	38,001	49.0	60.1
Other Gases	107	176	281	226	225	235	191	171	0.2	0.3
Nuclear	4,746	4,310	4,324	4,324	4,324	4,324	4,324	4,390	8.9	6.9
Hydroelectric	9,767	10,446	10,331	10,364	9,947	10,078	10,088	10,083	18.4	16.0
Other Renewables	5,594	5,746	4,916[R]	5,102	5,177	5,308	5,479	5,693	10.5	9.0
Pumped Storage	3,526	3,730	3,730	3,730	3,688	3,688	3,688	3,688	6.6	5.8
Other	-	9	13[R]	17	17	8	8	8	-	*

See footnotes at end of tables.

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatthours)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
California										
Electric Utilities	**114,528,000**	**121,881,402**	**70,132,656**	**74,588,271**	**81,728,209**	**75,177,122**	**89,348,213**	**100,338,454**	**69.1**	**46.3**
Petroleum	4,385,235	488,530	316,691	43,933	50,996	51,482	57,974	58,991	2.6	*
Natural Gas	45,221,848	39,089,723	11,918,703	8,808,012	9,873,371	10,759,580	12,982,348	19,805,412	27.3	9.1
Nuclear	32,692,807	30,245,936	33,219,520	34,352,340	35,593,789	30,267,887	36,154,898	31,958,621	19.7	14.7
Hydroelectric	22,808,272	44,928,985	24,817,842	30,236,644	35,782,738	33,608,686	38,826,653	47,127,134	13.8	21.7
Other Renewables	8,433,586	4,621,563	209,589	1,333,863	1,339,627	1,306,318	1,206,547	1,292,159	5.1	0.6
Pumped Storage	986,252	2,506,665	-349,689	-240,997	-912,313	-816,831	119,793	96,137	0.6	*
Other	-	-	-	54,476	-	-	-	-	-	-
Independent Power Producers and Combined Heat and Power	**51,256,909**	**59,581,939**	**128,463,419**	**109,621,760**	**111,060,333**	**119,603,232**	**110,944,605[R]**	**116,460,234**	**30.9**	**53.7**
Coal	2,637,677	2,786,844	2,232,851	2,327,809	2,326,305	2,244,355	2,145,020	2,239,343	1.6	1.0
Petroleum	1,088,617	1,802,598	2,738,202	1,917,132	2,341,253	2,214,436	2,518,348[R]	2,360,896	0.7	1.1
Natural Gas	28,946,460	33,489,170	100,013,568	80,816,032	81,558,809	89,695,842	80,579,693[R]	85,972,291	17.5	39.7
Other Gases	2,146,742	2,594,985	1,130,499	1,240,053	1,759,015	1,862,250	2,034,949	1,904,925	1.3	0.9
Hydroelectric	984,295	3,104,145	723,934	903,984	587,965	532,243	805,214[R]	920,246	0.6	0.4
Other Renewables	15,453,118	15,788,401	21,420,027	22,073,117	22,205,492	22,635,780	22,441,864[R]	22,598,454	9.3	10.4
Other	-	15,796	204,338	343,632	281,495	418,327	419,517	464,079	-	0.2
Total Electric Industry	**165,784,909**	**181,463,341**	**198,596,075**	**184,210,031**	**192,788,542**	**194,780,354**	**200,292,818[R]**	**216,798,688**	**100.0**	**100.0**
Coal	2,637,677	2,786,844	2,232,851	2,327,809	2,326,305	2,244,355	2,145,020	2,239,343	1.6	1.0
Petroleum	5,473,852	2,291,128	3,054,893	1,961,065	2,392,249	2,265,918	2,576,322[R]	2,419,887	3.3	1.1
Natural Gas	74,168,308	72,578,893	111,932,271	89,624,044	91,432,180	100,455,422	93,562,041[R]	105,777,703	44.7	48.8
Other Gases	2,146,742	2,594,985	1,130,499	1,240,053	1,759,015	1,862,250	2,034,949	1,904,925	1.3	0.9
Nuclear	32,692,807	30,245,936	33,219,520	34,352,340	35,593,789	30,267,887	36,154,898	31,958,621	19.7	14.7
Hydroelectric	23,792,567	48,033,130	25,541,776	31,140,628	36,370,703	34,140,929	39,631,867[R]	48,047,380	14.4	22.2
Other Renewables	23,886,704	20,409,964	21,629,616	23,406,980	23,545,119	23,942,098	23,648,411[R]	23,890,613	14.4	11.0
Pumped Storage	986,252	2,506,665	-349,689	-240,997	-912,313	-816,831	119,793	96,137	0.6	*
Other	-	15,796	204,338	398,108	281,495	418,327	419,517	464,079	-	0.2

See footnotes at end of tables.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1990, 1995, and 2001 Through 2006

Fuel, Quality	1990	1995	2001	2002	2003	2004	2005	2006
California								
Coal (cents per million Btu)	-	-	-	180	173	188	W	W
Average heat value (Btu per pound)	-	-	-	11,854	11,943	12,205	12,027	12,184
Average sulfur Content (percent)	-	-	-	0.48	0.68	0.75	0.79	0.86
Petroleum (cents per million Btu)	436	-	601	114	266	298	429	494
Average heat value (Btu per gallon)	146,026	-	131,667	137,952	124,229	134,633	129,557	128,124
Average sulfur Content (percent)	0.34	-	0.95	1.87	0.94	1.19	0.93	0.99
Natural Gas (cents per million Btu)	303	222	929	372	537	589	786	659
Average heat value (Btu per cubic foot)	1,033	1,027	1,020	1,019	1,026	1,027	1,025	1,026

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1990, 1995, and 2001 Through 2006
(Thousand Metric Tons)

Emission Type	1990	1995	2001	2002	2003	2004	2005	2006
California								
Sulfur Dioxide								
Coal	32	28	5	2	3	2	3	3
Petroleum	46	42	34	66	13	18	21	21
Natural Gas	*	*	*	*	*	*	*	*
Other	3	2	2	2	2	2	2	2
Total	82	72	41	70	17	22	26	27
Nitrogen Oxide								
Coal	16	16	5	3	3	3	3	3
Petroleum	9	7	11	9	6	4	5	5
Natural Gas	91	71	72	61	77	70	57	58
Other	12	10	19	16	20	20	21	25
Total	128	103	107	90	106	98	86	91
Carbon Dioxide								
Coal	3,811	4,219	3,791	3,986	3,847	3,905	3,698	3,853
Petroleum	5,014	2,970	3,889	3,019	3,076	2,962	3,292	3,237
Natural Gas	42,679	42,036	62,934	51,021	48,365	52,271	47,034	51,620
Geothermal	357	281	310	333	330	333	331	326
Other Renewables	477	469	334	1,311	366	348	325	353
Total	52,338	49,976	71,258	59,669	55,983	59,820	54,680	59,389

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1990, 1995, and 2001 Through 2006

Sector	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
California										
Retail Sales (thousand megawatthours)										
Residential	66,575	68,783	76,668	77,202	82,926	83,361	85,610	89,836	31.5	34.2
Commercial	79,691	80,874	96,459	102,587	109,578	118,953	117,551	121,255	37.8	46.1
Industrial	55,892	57,367	63,041	48,448	49,909	48,812	50,242	50,991	26.5	19.4
Other	8,935	5,580	11,591	6,976	NA	NA	NA	NA	4.2	NA
Transportation	NA	NA	NA	NA	809	900	846	877	NA	0.3
All Sectors	211,093	212,605	247,759	235,213	243,221	252,026	254,250	262,959	100.0	100.0
Retail Revenue (million dollars)										
Residential	6,646	7,983	9,269	9,759	10,142	10,168	10,708	12,876	35.6	38.2
Commercial	7,541	8,485	11,716	13,710	13,672	13,846	14,007	15,636	40.4	46.4
Industrial	4,071	4,226	5,819	4,752	4,787	4,526	4,797	5,145	21.8	15.3
Other	404	376	983	460	NA	NA	NA	NA	2.2	NA
Transportation	NA	NA	NA	NA	47	58	55	55	NA	0.2
All Sectors	18,664	21,070	27,787	28,680	28,648	28,598	29,567	33,712	100.0	100.0
Average Retail Prices (cents/KWh)										
Residential	9.98	11.61	12.09	12.64	12.23	12.20	12.51	14.33	NA	NA
Commercial	9.46	10.49	12.15	13.36	12.48	11.64	11.92	12.90	NA	NA
Industrial	7.28	7.37	9.23	9.81	9.59	9.27	9.55	10.09	NA	NA
Other	4.53	6.73	8.48	6.60	NA	NA	NA	NA	NA	NA
Transportation	NA	NA	NA	NA	5.80	6.42	6.55	6.29	NA	NA
All Sectors	8.84	9.91	11.22	12.19	11.78	11.35	11.63	12.82	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2006

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
California								
Number of Entities	6	36	1	4	13	12	3	75
Number of Retail Customers	11,317,780	3,141,458	68	15,948	16	45,599	NA	14,520,869
Retail Sales (thousand megawatthours)	174,062	61,946	3,016	283	2,428	21,223	NA	262,959
Percentage of Retail Sales	66.19	23.56	1.15	0.11	0.92	8.07	NA	100.00
Revenue from Retail Sales (million dollars)	24,773	6,199	56	28	178	1,573	906	33,712
Percentage of Revenue	73.48	18.39	0.17	0.08	0.53	4.67	2.69	100.00
Average Retail Price (cents/kWh)	14.23	10.01	1.85	10.00	7.34	7.41	4.27	12.82

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 services. 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.

Table 10. Supply and Disposition of Electricity, 1990, 1995, and 2001 Through 2006
(Million Kilowatthours)

Category	1990	1995	2001	2002	2003	2004	2005	2006
California								
Supply								
Generation								
Electric Utilities	114,528	121,881	70,133	74,588	81,728	75,177	89,348	100,338
Independent Power Producers	15,407	18,957	88,665	63,545	65,429	75,928	68,721	76,509
Combined Heat and Power, Electric	17,547	21,691	21,305	26,976	25,458	24,567	23,459	21,399
Electric Power Sector Generation Subtotal	**147,482**	**162,529**	**180,103**	**165,109**	**172,616**	**175,672**	**181,527**	**198,247**
Combined Heat and Power, Commercial	1,730	2,081	1,825	1,958	2,071	1,918	2,151	2,118
Combined Heat and Power, Industrial	16,572	16,854	16,669	17,142	18,102	17,191	16,614	16,434
Industrial and Commercial Generation Subtotal	**18,302**	**18,934**	**18,493**	**19,101**	**20,173**	**19,109**	**18,765**	**18,552**
Total Net Generation	**165,785**	**181,463**	**198,596**	**184,210**	**192,789**	**194,780**	**200,293**	**216,799**
Total International Imports	**5,142**	**1,967**	**3,420**	**2,067**	**1,267**	**1,291**	**1,667**	**2,936**
Total Supply	**170,927**	**183,431**	**202,016**	**186,277**	**194,056**	**196,071**	**201,960**	**219,735**
Disposition								
Retail Sales								
Full Service Providers	211,093	212,605	237,661	212,572	217,641	225,896	228,582	239,307
Energy-Only Providers	-	-	10,098	22,641	23,896	24,625	23,406	21,223
Facility Direct Retail Sales	-	-	-	-	1,684	1,505	2,262	2,428
Total Electric Industry Retail Sales	**211,093**	**212,605**	**247,759**	**235,213**	**243,221**	**252,026**	**254,250**	**262,959**
Direct Use	**9,654**	**10,615**	**14,674**	**14,993**	**15,183**	**15,199**	**11,673**	**14,030**
Total International Exports	**524**	**101**	**365**	**197**	**23**	**48**	**103**	**565**
Estimated Losses	**15,827**	**16,140**	**18,840**	**11,154**	**21,265**	**19,246**	**18,568**	**20,957**
Total Disposition	**237,098**	**239,461**	**281,638**	**261,557**	**279,692**	**286,519**	**284,594**	**298,510**
Net Interstate Trade	**-66,171**	**-56,031**	**-79,622**	**-75,281**	**-85,637**	**-90,448**	**-82,634**	**-78,775**
Net Trade Index (ratio)	**0.72**	**0.77**	**0.72**	**0.71**	**0.69**	**0.68**	**0.71**	**0.74**

R = Revised.
NA = Not applicable; NM = Not meaningful.
W = Withheld to avoid disclosure of individual company data.
- = Data not available.
* = 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 10 Notes: Estimated Losses are reported at the utility level, and then allocated to States based on the utility's retail sales by State. Reported losses may include electricity unaccounted for by the utility. Net Interstate Trade represents the difference between the amount of electricity produced in the State and consumed in the State. Positive values indicate a State that is a net interstate exporter of electricity; negative values indicate a State that is a net interstate importer of electricity. The Net Trade Index represents a State's electricity self-sufficiency. Values greater than 1 indicate that, on an annual net basis, the State supplied electricity consumed outside the State; values less than 1 indicate that, on an annual net basis, the State consumed electricity produced outside the State.
General Notes: Table 4 "Other Renewables" includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. The "Other" category includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. However, Table 5 "Other Renewables" includes only biogenic municipal solid waste, in addition to wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. In Table 5 "Other" includes Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. In Table 7, "Other Renewables" emissions include biogenic municipal solid waste, and other renewable 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.

Table 1. 2006 Summary Statistics

Item	Value	U.S. Rank
Colorado		
NERC Region(s)		**WECC**
Primary Energy Source		**Coal**
Net Summer Capacity (megawatts)	**11,156**	**31**
Electric Utilities	8,034	28
Independent Power Producers & Combined Heat and Power	3,123	30
Net Generation (megawatthours)	**50,698,353**	**28**
Electric Utilities	42,055,989	25
Independent Power Producers & Combined Heat and Power	8,642,364	31
Emissions (thousand metric tons)		
Sulfur Dioxide	59	30
Nitrogen Oxide	66	26
Carbon Dioxide	41,847	23
Sulfur Dioxide (lbs/MWh)	2.5	34
Nitrogen Oxide (lbs/MWh)	2.9	19
Carbon Dioxide (lbs/MWh)	1,820	12
Total Retail Sales (megawatthours)	**49,733,698**	**27**
Full Service Provider Sales (megawatthours)	49,733,698	25
Direct Use (megawatthours)	**150,126**	**42**
Average Retail Price (cents/kWh)	**7.61**	**26**

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capacity, 2006

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
Colorado			
1. Craig	Coal	Tri-State G & T Assn, Inc	1,274
2. Cherokee	Coal	Public Service Co of Colorado	723
3. Fort St Vrain	Gas	Public Service Co of Colorado	690
4. Comanche	Coal	Public Service Co of Colorado	660
5. Rocky Mountain Energy Center	Gas	Rocky Mountain Energy Ctr LLC	608
6. Rawhide	Coal	Platte River Power Authority	538
7. Pawnee	Coal	Public Service Co of Colorado	505
8. Front Range Power Project	Gas	Colorado Springs City of	462
9. Hayden	Coal	Public Service Co of Colorado	446
10. Cabin Creek	Pumped Storage	Public Service Co of Colorado	324

See footnotes at end of tables.

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2006
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
Colorado						
1. Public Service Co of Colorado	Investor-Owned	27,198,518	8,557,673	12,955,311	5,660,827	24,707
2. Colorado Springs City of	Public	4,451,192	1,363,884	1,938,210	1,149,098	-
3. Intermountain Rural Elec Assn	Cooperative	1,993,685	1,279,609	550,773	163,303	-
4. Aquila Inc	Investor-Owned	1,824,169	571,970	707,768	544,431	-
5. Fort Collins City of	Public	1,404,784	467,812	482,252	454,720	-
Total Sales, Top Five Providers		36,872,348	12,240,948	16,634,314	7,972,379	24,707
Percent of Total State Sales		74	72	83	63	100

See footnotes at end of tables.

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatts)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Colorado										
Electric Utilities	**6,633**	**6,647**	**7,479**	**7,603**	**7,883**	**7,954**	**7,955[R]**	**8,034**	**95.9**	**72.0**
Coal	4,945	4,954	4,981	4,891	4,891	4,891	4,888	4,899	71.5	43.9
Petroleum	221[R]	221[R]	178	193	193	207	181	179	3.2	1.6
Natural Gas	393[R]	359[R]	1,142	1,333	1,612	1,662	1,684[R]	1,752	5.7	15.7
Hydroelectric	542	582	600	600	601	601	610	609	7.8	5.5
Other Renewables	-	-	16	24	24	30	31	32	-	0.3
Pumped Storage	533	533	563	563	563	563	563	563	7.7	5.0
Independent Power Producers and Combined Heat and Power	**281**	**632**	**1,431**	**1,833**	**2,487**	**3,131**	**3,131[R]**	**3,123**	**4.1**	**28.0**
Coal	33	33	40	40	40	40	40	40	0.5	0.4
Petroleum	3	3	2	2	2	2	2	2	*	*
Natural Gas	212	562	1,300	1,724	2,221	2,840	2,840[R]	2,771	3.1	24.8
Hydroelectric	29	30	43	43	38	42	42	42	0.4	0.4
Other Renewables	5	5	46	23	185	207	207	267	0.1	2.4
Total Electric Industry	**6,914**	**7,280**	**8,910**	**9,435**	**10,370**	**11,085**	**11,086**	**11,156**	**100.0**	**100.0**
Coal	4,977	4,986	5,021	4,931	4,931	4,931	4,928	4,939	72.0	44.3
Petroleum	224[R]	224[R]	181	195	195	210	183	181	3.2	1.6
Natural Gas	604[R]	920[R]	2,442	3,057	3,833	4,502	4,523	4,523	8.7	40.5
Hydroelectric	571	612	642	643	639	643	652	652	8.3	5.8
Other Renewables	5	5	62	47	209	237	238	299	0.1	2.7
Pumped Storage	533	533	563	563	563	563	563	563	7.7	5.0

See footnotes at end of tables.

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatthours)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Colorado										
Electric Utilities	**31,312,872**	**32,673,972**	**41,957,723**	**41,509,933**	**41,226,252**	**40,436,218**	**41,014,609**	**42,055,989**	**96.2**	**83.0**
Coal	29,602,738	30,276,010	35,654,162	35,135,198	35,807,527	35,570,358	35,285,966	36,003,331	91.0	71.0
Petroleum	25,129	10,136	158,742	22,519	33,927	11,797	15,464	17,646	0.1	*
Natural Gas	409,078	286,971	4,884,010	5,321,770	4,369,743	3,899,293	4,490,864	4,494,604	1.3	8.9
Other Gases	-	-	-	2,884	4,001	1,753	2,430	2,519	-	*
Hydroelectric	1,308,961	2,008,902	1,472,627	1,187,839	1,156,217	1,076,897	1,283,074	1,676,432	4.0	3.3
Other Renewables	164	-	38,764	59,987	58,477	67,921	58,874	61,959	*	0.1
Pumped Storage	-33,198	91,953	-250,582	-220,264	-203,640	-191,801	-122,063	-200,502	-0.1	-0.4
Independent Power Producers and Combined Heat and Power	**1,235,255**	**2,943,262**	**4,918,279**	**4,090,455**	**5,390,534**	**7,433,275**	**8,602,085**[R]	**8,642,364**	**3.8**	**17.0**
Coal	212,245	216,672	296,866	253,053	308,096	278,103	284,169	266,094	0.7	0.5
Petroleum	2,261	1,576	17,487	661	67	1,911	1,582	3,254	*	*
Natural Gas	881,014	2,569,817	4,507,777	3,706,720	4,856,291	6,848,293	7,432,426	7,378,003	2.7	14.6
Hydroelectric	110,909	122,287	22,070	21,168	105,980	117,768	132,222	114,775	0.3	0.2
Other Renewables	28,826	32,910	74,079	108,853	120,102	187,200	751,687	834,269	0.1	1.6
Other	-	-	-	-	-	-	-	45,969	-	0.1
Total Electric Industry	**32,548,127**	**35,617,234**	**46,876,002**	**45,600,388**	**46,616,786**	**47,869,493**	**49,616,694**[R]	**50,698,353**	**100.0**	**100.0**
Coal	29,814,983	30,492,682	35,951,028	35,388,251	36,115,623	35,848,461	35,570,135	36,269,425	91.6	71.5
Petroleum	27,390	11,712	176,229	23,180	33,994	13,708	17,046	20,900	0.1	*
Natural Gas	1,290,092	2,856,788	9,391,787	9,028,490	9,226,034	10,747,586	11,923,290	11,872,607	4.0	23.4
Other Gases	-	-	-	2,884	4,001	1,753	2,430	2,519	-	*
Hydroelectric	1,419,870	2,131,189	1,494,697	1,209,007	1,262,197	1,194,665	1,415,296	1,791,207	4.4	3.5
Other Renewables	28,990	32,910	112,843	168,840	178,579	255,121	810,561	896,228	0.1	1.8
Pumped Storage	-33,198	91,953	-250,582	-220,264	-203,640	-191,801	-122,063	-200,502	-0.1	-0.4
Other	-	-	-	-	-	-	-	45,969	-	0.1

See footnotes at end of tables.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1990, 1995, and 2001 Through 2006

Fuel, Quality	1990	1995	2001	2002	2003	2004	2005	2006
Colorado								
Coal (cents per million Btu)	106	105	92	95	97	97	106	128
Average heat value (Btu per pound)	9,808	9,895	9,780	9,767	9,793	9,824	9,876	9,802
Average sulfur Content (percent)	0.38	0.39	0.38	0.40	0.39	0.38	0.39	0.39
Petroleum (cents per million Btu)	535	477	721	705	W	1,129	1,768	W
Average heat value (Btu per gallon)	137,005	137,957	138,810	127,436	123,940	126,438	117,200	140,414
Average sulfur Content (percent)	0.32	0.05	0.24	0.02	0.01	0.08	0.03	0.51
Natural Gas (cents per million Btu)	217	173	375	246	430	554	724	607
Average heat value (Btu per cubic foot)	988	1,008	1,040	1,025	1,027	1,021	1,024	1,025

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1990, 1995, and 2001 Through 2006
(Thousand Metric Tons)

Emission Type	1990	1995	2001	2002	2003	2004	2005	2006
Colorado								
Sulfur Dioxide								
Coal	93	99	85	83	70	59	58	59
Petroleum	*	*	*	*	*	*	*	*
Natural Gas	*	*	*	*	*	*	*	*
Other	*	*	-	-	-	-	-	-
Total	93	99	85	83	70	59	58	59
Nitrogen Oxide								
Coal	144	132	65	66	66	61	63	60
Petroleum	*	*	1	*	*	*	*	*
Natural Gas	2	3	6	6	6	4	4	5
Other	*	*	1	*	*	1	*	*
Total	146	136	73	72	72	67	67	66
Carbon Dioxide								
Coal	30,168	30,830	36,455	36,293	35,998	35,692	35,472	36,424
Petroleum	23	18	216	26	32	16	21	35
Natural Gas	874	1,587	5,115	4,666	4,573	4,905	5,348	5,389
Other Renewables	1	-	-	-	-	-	-	-
Total	31,066	32,435	41,786	40,985	40,603	40,613	40,841	41,847

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1990, 1995, and 2001 Through 2006

Sector	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Colorado										
Retail Sales (thousand megawatthours)										
Residential	9,787	11,307	14,470	15,425	15,725	15,532	16,436	16,952	31.8	34.1
Commercial	13,553	13,420	17,890	18,438	19,657	19,498	19,846	20,153	44.0	40.5
Industrial	6,587	9,706	10,918	10,672	11,076	11,675	12,052	12,605	21.4	25.3
Other	867	884	958	1,401	NA	NA	NA	NA	2.8	NA
Transportation	NA	NA	NA	NA	37	19	19	25	NA	*
All Sectors	30,795	35,317	44,236	45,937	46,495	46,724	48,353	49,734	100.0	100.0
Retail Revenue (million dollars)										
Residential	687	839	1,080	1,137	1,280	1,307	1,490	1,529	37.9	40.4
Commercial	768	815	1,014	1,045	1,298	1,343	1,512	1,512	42.3	40.0
Industrial	296	438	489	483	565	596	691	741	16.3	19.6
Other	63	70	80	93	NA	NA	NA	NA	3.5	NA
Transportation	NA	NA	NA	NA	3	1	1	2	NA	0.1
All Sectors	1,814	2,162	2,662	2,758	3,146	3,247	3,694	3,785	100.0	100.0
Average Retail Prices (cents/KWh)										
Residential	7.02	7.42	7.47	7.37	8.14	8.42	9.06	9.02	NA	NA
Commercial	5.67	6.07	5.67	5.67	6.60	6.89	7.62	7.50	NA	NA
Industrial	4.49	4.52	4.48	4.52	5.10	5.11	5.74	5.88	NA	NA
Other	7.28	7.87	8.36	6.64	NA	NA	NA	NA	NA	NA
Transportation	NA	NA	NA	NA	7.32	5.81	5.01	7.78	NA	NA
All Sectors	5.89	6.12	6.02	6.00	6.77	6.95	7.64	7.61	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2006

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Colorado								
Number of Entities	2	29	1	28	2	NA	NA	62
Number of Retail Customers	1,402,946	413,009	14	573,563	2	NA	NA	2,389,534
Retail Sales (thousand megawatthours)	29,023	8,619	58	11,727	307	NA	NA	49,734
Percentage of Retail Sales	58.36	17.33	0.12	23.58	0.62	NA	NA	100.00
Revenue from Retail Sales (million dollars)	2,206	574	1	991	12	NA	NA	3,785
Percentage of Revenue	58.30	15.17	0.03	26.18	0.32	NA	NA	100.00
Average Retail Price (cents/kWh)	7.60	6.66	2.13	8.45	3.90	NA	NA	7.61

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 services. 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.

Table 10. Supply and Disposition of Electricity, 1990, 1995, and 2001 Through 2006
(Million Kilowatthours)

Category	1990	1995	2001	2002	2003	2004	2005	2006
Colorado								
Supply								
Generation								
Electric Utilities	31,313	32,674	41,958	41,510	41,226	40,436	41,015	42,056
Independent Power Producers	226	237	1,667	961	2,877	5,596	6,834	7,004
Combined Heat and Power, Electric	930	2,427	2,958	2,866	2,314	1,685	1,643	1,533
Electric Power Sector Generation Subtotal	**32,469**	**35,337**	**46,582**	**45,337**	**46,417**	**47,718**	**49,492**	**50,593**
Combined Heat and Power, Commercial	25	198	212	143	119	93	54	28
Combined Heat and Power, Industrial	54	82	82	121	81	59	70	78
Industrial and Commercial Generation Subtotal	**79**	**280**	**294**	**264**	**200**	**152**	**125**	**106**
Total Net Generation	**32,548**	**35,617**	**46,876**	**45,600**	**46,617**	**47,869**	**49,617**	**50,698**
Total International Imports	**-**	**-**	**36**	**7**	**10**	**37**	**28**	**1**
Total Supply	**32,548**	**35,617**	**46,912**	**45,607**	**46,627**	**47,907**	**49,645**	**50,700**
Disposition								
Retail Sales								
Full Service Providers	30,795	35,317	44,236	45,937	46,133	46,397	48,025	49,426
Facility Direct Retail Sales	-	-	-	-	362	327	328	307
Total Electric Industry Retail Sales	**30,795**	**35,317**	**44,236**	**45,937**	**46,495**	**46,724**	**48,353**	**49,734**
Direct Use	**329**	**449**	**479**	**489**	**495**	**496**	**84**	**150**
Total International Exports	**-**	**-**	**-**	**-**	**-**	**-**	*****	**-**
Estimated Losses	**2,309**	**2,681**	**1,337**	**4,965**	**5,409**	**3,850**	**4,393**	**4,345**
Total Disposition	**33,433**	**38,447**	**46,051**	**51,391**	**52,399**	**51,070**	**52,830**	**54,229**
Net Interstate Trade	**-884**	**-2,830**	**861**	**-5,784**	**-5,773**	**-3,163**	**-3,186**	**-3,529**
Net Trade Index (ratio)	**0.97**	**0.93**	**1.02**	**0.89**	**0.89**	**0.94**	**0.94**	**0.93**

R = Revised.
NA = Not applicable; NM = Not meaningful.
W = Withheld to avoid disclosure of individual company data.
- = Data not available.
* = 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 10 Notes: Estimated Losses are reported at the utility level, and then allocated to States based on the utility's retail sales by State. Reported losses may include electricity unaccounted for by the utility. Net Interstate Trade represents the difference between the amount of electricity produced in the State and consumed in the State. Positive values indicate a State that is a net interstate exporter of electricity; negative values indicate a State that is a net interstate importer of electricity. The Net Trade Index represents a State's electricity self-sufficiency. Values greater than 1 indicate that, on an annual net basis, the State supplied electricity consumed outside the State; values less than 1 indicate that, on an annual net basis, the State consumed electricity produced outside the State.
General Notes: Table 4 "Other Renewables" includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. The "Other" category includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. However, Table 5 "Other Renewables" includes only biogenic municipal solid waste, in addition to wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. In Table 5 "Other" includes Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. In Table 7, "Other Renewables" emissions include biogenic municipal solid waste, and other renewable 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.

Table 1. 2006 Summary Statistics

Item	Value	U.S. Rank
Connecticut		
NERC Region(s)		**NPCC**
Primary Energy Source		**Nuclear**
Net Summer Capacity (megawatts)	**7,882**	**35**
Electric Utilities	37	48
Independent Power Producers & Combined Heat and Power	7,845	13
Net Generation (megawatthours)	**34,681,736**	**37**
Electric Utilities	47,612	46
Independent Power Producers & Combined Heat and Power	34,634,124	11
Emissions (thousand metric tons)		
Sulfur Dioxide	5	46
Nitrogen Oxide	9	47
Carbon Dioxide	11,057	39
Sulfur Dioxide (lbs/MWh)	0.3	47
Nitrogen Oxide (lbs/MWh)	0.6	47
Carbon Dioxide (lbs/MWh)	703	46
Total Retail Sales (megawatthours)	**31,677,453**	**35**
Full Service Provider Sales (megawatthours)	30,148,657	35
Deregulated Sales (megawatthours)	1,528,796	15
Direct Use (megawatthours)	**302,207**	**37**
Average Retail Price (cents/kWh)	**14.83**	**4**

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capacity, 2006

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
Connecticut			
1. Millstone	Nuclear	Dominion Nuclear Conn Inc	2,037
2. Middletown	Gas	Middletown Power LLC	770
3. Lake Road Generating Plant	Gas	Lake Road Generating Co LP	712
4. Bridgeport Station	Coal	PSEG Power Connecticut LLC	511
5. Montville Station	Petroleum	NRG Montville Operations Inc	496
6. Milford Power Project	Gas	Milford Power Co LLC	493
7. Bridgeport Energy Project	Gas	Bridgeport Energy LLC	454
8. New Haven Harbor	Petroleum	PSEG Power Connecticut LLC	448
9. Devon Station	Gas	NRG Devon Operations Inc	350
10. NRG Norwalk Harbor	Petroleum	Norwalk Power LLC	342

See footnotes at end of tables.

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2006
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
Connecticut						
1. Connecticut Light & Power Co	Investor-Owned	22,109,070	9,623,321	9,324,836	2,983,945	176,968
2. United Illuminating Co	Investor-Owned	5,919,000	2,359,000	2,719,000	841,000	-
3. Wallingford Town of	Public	634,812	217,497	256,827	160,488	-
4. Groton Dept of Utilities	Public	591,431	106,444	131,343	353,644	-
5. Constellation NewEnergy, Inc	Other Provider	487,377	-	404,747	82,630	-
Total Sales, Top Five Providers		29,741,690	12,306,262	12,836,753	4,421,707	176,968
Percent of Total State Sales		94	95	94	90	100

See footnotes at end of tables.

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatts)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Connecticut										
Electric Utilities	**7,141**	**6,722**	**185**	**34**	**210**	**174**	**25[R]**	**37**	**92.9**	**0.5**
Coal	385	385	-	-	-	-	-	-	5.0	-
Petroleum	3,335[R]	2,728[R]	176	25	201	165	16[R]	28	43.4	0.4
Natural Gas	-[R]	214[R]	-	-	-	-	-	-	-	-
Nuclear	3,217	3,194	-	-	-	-	-	-	41.8	-
Hydroelectric	108	131	9	9	9	9	9	9	1.4	0.1
Other Renewables	64	64	-	-	-	-	-	-	0.8	-
Pumped Storage	32	6	-	-	-	-	-	-	0.4	-
Independent Power Producers and Combined Heat and Power	**546**	**675**	**7,709**	**7,365**	**7,363**	**7,755**	**7,937[R]**	**7,845**	**7.1**	**99.5**
Coal	200	200	555	553	553	553	555	551	2.6	7.0
Petroleum	10	24	2,425	2,748	2,732	2,696	2,973[R]	2,898	0.1	36.8
Natural Gas	225	189	1,722	1,662	1,685	2,134	2,037	2,020	2.9	25.6
Nuclear	-	-	2,611	2,006	1,997	2,037	2,037	2,037	-	25.8
Hydroelectric	21	21	129	137	137	137	137	138	0.3	1.7
Other Renewables	90	241	234[R]	228[R]	228[R]	166[R]	166[R]	170	1.2	2.2
Pumped Storage	-	-	7	4	4	4	4	4	-	0.1
Other	-	-	26[R]	27[R]	27[R]	27[R]	27[R]	27	-	0.3
Total Electric Industry	**7,687**	**7,397**	**7,894**	**7,400**	**7,573**	**7,929**	**7,962**	**7,882**	**100.0**	**100.0**
Coal	585	585	555	553	553	553	555	551	7.6	7.0
Petroleum	3,345[R]	2,752[R]	2,600	2,773	2,933	2,862	2,989	2,926	43.5	37.1
Natural Gas	225[R]	403[R]	1,722	1,662	1,685	2,134	2,037	2,020	2.9	25.6
Nuclear	3,217	3,194	2,611	2,006	1,997	2,037	2,037	2,037	41.8	25.8
Hydroelectric	129	151	138	146	146	146	146	147	1.7	1.9
Other Renewables	154	305	234[R]	228[R]	228[R]	166[R]	166[R]	170	2.0	2.2
Pumped Storage	32	6	7	4	4	4	4	4	0.4	0.1
Other	-	-	26[R]	27[R]	27[R]	27[R]	27[R]	27	-	0.3

See footnotes at end of tables.

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatthours)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Connecticut										
Electric Utilities	**32,155,574**	**26,931,900**	**2,816,826**	**21,463**	**59,812**	**45,095**	**41,709[R]**	**47,612**	**91.5**	**0.1**
Coal	2,351,049	2,269,352	-	-	-	-	-	-	6.7	-
Petroleum	8,632,571	3,397,400	11,032	928	13,955	9,253	695[R]	1,282	24.6	*
Natural Gas	471,836	1,819,535	-	-	-	-	-	-	1.3	-
Nuclear	19,776,250	18,748,900	2,629,741	-	-	-	-	-	56.3	-
Hydroelectric	495,848	305,401	29,065	20,535	45,857	35,842	41,014[R]	46,330	1.4	0.1
Other Renewables	421,546	403,726	83,783	-	-	-	-	-	1.2	-
Pumped Storage	6,474	-12,414	-	-	-	-	-	-	*	-
Other	-	-	63,205	-	-	-	-	-	-	-
Independent Power Producers and Combined Heat and Power	**2,991,673**	**4,540,568**	**27,673,820**	**31,289,757**	**29,485,238**	**32,588,311**	**33,508,038[R]**	**34,634,124**	**8.5**	**99.9**
Coal	1,243,596	1,588,203	3,735,782	3,227,202	4,200,297	4,256,431	3,996,492	4,282,120	3.5	12.3
Petroleum	241,895	182,063	5,161,903	2,336,957	2,048,713	1,728,466	3,155,353[R]	1,289,078	0.7	3.7
Natural Gas	779,643	1,199,708	4,088,228	8,868,471	5,061,613	8,108,840	8,863,687	10,472,351	2.2	30.2
Other Gases	4	79	1,498	8,834	-	-	1,566	1,647	*	*
Nuclear	-	-	12,798,026	14,918,272	16,078,095	16,539,097	15,562,122	16,589,446	-	47.8
Hydroelectric	74,771	58,402	257,308	314,553	518,559	426,770	437,185[R]	497,562	0.2	1.4
Other Renewables	651,764	1,512,113	825,141	821,346	785,861	757,819	753,335	763,320	1.9	2.2
Pumped Storage	-	-	-	-10,201	-18	7,715	-1,653	-	-	-
Other	-	-	805,934	804,322	792,118	763,174	739,952	738,600	-	2.1
Total Electric Industry	**35,147,247**	**31,472,468**	**30,490,646**	**31,311,220**	**29,545,050**	**32,633,406**	**33,549,747[R]**	**34,681,736**	**100.0**	**100.0**
Coal	3,594,645	3,857,555	3,735,782	3,227,202	4,200,297	4,256,431	3,996,492	4,282,120	10.2	12.3
Petroleum	8,874,466	3,579,463	5,172,935	2,337,885	2,062,668	1,737,719	3,156,048	1,290,360	25.2	3.7
Natural Gas	1,251,479	3,019,243	4,088,228	8,868,471	5,061,613	8,108,840	8,863,687	10,472,351	3.6	30.2
Other Gases	4	79	1,498	8,834	-	-	1,566	1,647	*	*
Nuclear	19,776,250	18,748,900	15,427,767	14,918,272	16,078,095	16,539,097	15,562,122	16,589,446	56.3	47.8
Hydroelectric	570,619	363,803	286,373	335,088	564,416	462,612	478,199	543,892	1.6	1.6
Other Renewables	1,073,310	1,915,839	908,924	821,346	785,861	757,819	753,335	763,320	3.1	2.2
Pumped Storage	6,474	-12,414	-	-10,201	-18	7,715	-1,653	-	*	-
Other	-	-	869,139	804,322	792,118	763,174	739,952	738,600	-	2.1

See footnotes at end of tables.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1990, 1995, and 2001 Through 2006

Fuel, Quality	1990	1995	2001	2002	2003	2004	2005	2006
Connecticut								
Coal (cents per million Btu)	213	188	-	W	W	W	W	W
Average heat value (Btu per pound)	13,233	13,110	-	11,439	10,565	10,423	10,139	10,056
Average sulfur Content (percent)	0.54	0.56	-	0.89	0.55	0.54	0.44	0.51
Petroleum (cents per million Btu)	301	264	-	422	542	568	836	850
Average heat value (Btu per gallon)	150,788	153,274	-	149,169	146,743	147,602	148,190	148,805
Average sulfur Content (percent)	0.89	0.72	-	0.39	0.40	0.34	0.28	0.25
Natural Gas (cents per million Btu)	270	198	-	392	W	W	922	733
Average heat value (Btu per cubic foot)	1,033	1,017	-	1,016	1,020	1,008	1,010	1,009

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1990, 1995, and 2001 Through 2006
(Thousand Metric Tons)

Emission Type	1990	1995	2001	2002	2003	2004	2005	2006
Connecticut								
Sulfur Dioxide								
Coal	11	10	11	5	3	3	3	3
Petroleum	40	15	22	6	5	4	5	3
Natural Gas	*	*	*	*	*	*	*	*
Other	1	*	*	*	*	*	*	*
Total	52	25	33	12	8	7	8	5
Nitrogen Oxide								
Coal	14	13	3	2	2	2	2	2
Petroleum	13	4	6	2	2	2	3	2
Natural Gas	2	3	2	2	1	1	1	1
Other	2	3	4	4	4	4	4	4
Total	32	23	16	10	10	9	11	9
Carbon Dioxide								
Coal	3,520	3,705	3,677	3,152	3,925	4,138	3,954	4,305
Petroleum	7,308	3,208	4,304	1,977	1,871	1,668	2,870	1,246
Natural Gas	694	1,666	2,076	3,952	2,511	3,304	3,535	4,341
Other Renewables	458	1,061	1,247	1,210	1,230	1,188	1,182	1,165
Total	11,980	9,640	11,304	10,292	9,537	10,298	11,542	11,057

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1990, 1995, and 2001 Through 2006

Sector	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Connecticut										
Retail Sales (thousand megawatthours)										
Residential	10,376	10,760	11,975	12,473	13,178	13,211	13,803	12,963	38.2	40.9
Commercial	10,342	10,926	12,442	12,614	13,094	13,455	13,949	13,611	38.0	43.0
Industrial	6,100	5,913	5,572	5,370	5,366	5,358	5,153	4,926	22.4	15.6
Other	369	370	552	548	NA	NA	NA	NA	1.4	NA
Transportation	NA	NA	NA	NA	192	190	190	177	NA	0.6
All Sectors	27,187	27,970	30,541	31,005	31,830	32,215	33,095	31,677	100.0	100.0
Retail Revenue (million dollars)										
Residential	1,038	1,286	1,306	1,367	1,491	1,537	1,883	2,185	41.7	46.5
Commercial	943	1,129	1,152	1,176	1,300	1,332	1,608	1,909	37.9	40.6
Industrial	461	469	425	412	429	423	484	577	18.5	12.3
Other	47	53	55	57	NA	NA	NA	NA	1.9	NA
Transportation	NA	NA	NA	NA	15	14	17	26	NA	0.5
All Sectors	2,489	2,938	2,937	3,012	3,235	3,305	3,992	4,697	100.0	100.0
Average Retail Prices (cents/KWh)										
Residential	10.01	11.95	10.90	10.96	11.31	11.63	13.64	16.86	NA	NA
Commercial	9.11	10.33	9.26	9.32	9.93	9.90	11.53	14.03	NA	NA
Industrial	7.55	7.94	7.62	7.68	7.99	7.89	9.40	11.71	NA	NA
Other	12.83	14.38	10.00	10.35	NA	NA	NA	NA	NA	NA
Transportation	NA	NA	NA	NA	7.72	7.25	8.78	14.55	NA	NA
All Sectors	9.16	10.50	9.62	9.71	10.16	10.26	12.06	14.83	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2006

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Connecticut								
Number of Entities	3	8	NA	NA	1	5	1	18
Number of Retail Customers	1,488,414	71,462	NA	NA	1	36,306	NA	1,596,183
Retail Sales (thousand megawatthours)	28,028	2,086	NA	NA	34	1,529	NA	31,677
Percentage of Retail Sales	88.48	6.59	NA	NA	0.11	4.83	NA	100.00
Revenue from Retail Sales (million dollars)	4,232	241	NA	NA	4	144	77	4,697
Percentage of Revenue	90.09	5.13	NA	NA	0.08	3.06	1.64	100.00
Average Retail Price (cents/kWh)	15.10	11.54	NA	NA	11.43	9.39	5.04	14.83

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 services. 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.

Table 10. Supply and Disposition of Electricity, 1990, 1995, and 2001 Through 2006
(Million Kilowatthours)

Category	1990	1995	2001	2002	2003	2004	2005	2006
Connecticut								
Supply								
Generation								
Electric Utilities	32,156	26,932	2,817	21	60	45	42	48
Independent Power Producers	673	1,604	25,296	28,878	27,167	30,345	31,564	32,431
Combined Heat and Power, Electric	1,987	2,512	2,080	2,053	1,986	1,966	1,697	1,874
Electric Power Sector Generation Subtotal	**34,815**	**31,048**	**30,193**	**30,952**	**29,212**	**32,356**	**33,303**	**34,352**
Combined Heat and Power, Commercial	142	97	41	48	45	43	40	38
Combined Heat and Power, Industrial	190	328	256	311	288	235	207	291
Industrial and Commercial Generation Subtotal	**332**	**424**	**297**	**359**	**333**	**278**	**247**	**330**
Total Net Generation	**35,147**	**31,472**	**30,491**	**31,311**	**29,545**	**32,633**	**33,550**	**34,682**
Total International Imports	**37**	**1,276**	**766**	**326**	**472**	**1,061**	**1,336**	**1,349**
Total Supply	**35,184**	**32,749**	**31,256**	**31,637**	**30,017**	**33,695**	**34,885**	**36,030**
Disposition								
Retail Sales								
Full Service Providers	27,187	27,970	30,527	30,615	31,230	31,470	32,355	30,114
Energy-Only Providers	-	-	14	390	600	744	740	1,529
Facility Direct Retail Sales	-	-	-	-	-	-	-	34
Total Electric Industry Retail Sales	**27,187**	**27,970**	**30,541**	**31,005**	**31,830**	**32,215**	**33,095**	**31,677**
Direct Use	**442**	**602**	**1,487**	**1,520**	**1,539**	**1,541**	**225**	**302**
Total International Exports	**-**	**-**	**-**	**-**	**126**	**66**	**196**	**181**
Estimated Losses	**2,038**	**2,123**	**1,177**	**1,581**	**1,459**	**1,440**	**1,579**	**1,989**
Total Disposition	**29,668**	**30,695**	**33,206**	**34,107**	**34,954**	**35,262**	**35,095**	**34,149**
Net Interstate Trade	**5,516**	**2,054**	**-1,949**	**-2,470**	**-4,937**	**-1,567**	**-210**	**1,881**
Net Trade Index (ratio)	**1.19**	**1.07**	**0.94**	**0.93**	**0.86**	**0.96**	**0.99**	**1.06**

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NA = Not applicable; NM = Not meaningful.
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- = Data not available.
* = 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.
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General Notes: Table 4 "Other Renewables" includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. The "Other" category includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. However, Table 5 "Other Renewables" includes only biogenic municipal solid waste, in addition to wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. In Table 5 "Other" includes Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. In Table 7, "Other Renewables" emissions include biogenic municipal solid waste, and other renewable 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.

Table 1. 2006 Summary Statistics

Item	Value	U.S. Rank
Delaware		
NERC Region(s)		**RFC**
Primary Energy Source		**Coal**
Net Summer Capacity (megawatts)	**3,374**	**44**
Electric Utilities	58	47
Independent Power Producers & Combined Heat and Power	3,316	26
Net Generation (megawatthours)	**7,182,179**	**46**
Electric Utilities	16,558	47
Independent Power Producers & Combined Heat and Power	7,165,621	34
Emissions (thousand metric tons)		
Sulfur Dioxide	30	36
Nitrogen Oxide	11	44
Carbon Dioxide	5,885	44
Sulfur Dioxide (lbs/MWh)	9.2	6
Nitrogen Oxide (lbs/MWh)	3.5	13
Carbon Dioxide (lbs/MWh)	1,806	13
Total Retail Sales (megawatthours)	**11,554,672**	**43**
Full Service Provider Sales (megawatthours)	9,043,983	46
Deregulated Sales (megawatthours)	2,510,689	13
Direct Use (megawatthours)	**493,536**	**34**
Average Retail Price (cents/kWh)	**10.13**	**15**

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capacity, 2006

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
Delaware			
1. Hay Road	Gas	Conectiv Delmarva Gen Inc	1,090
2. Indian River Generating Station	Coal	Indian River Operations Inc	797
3. Edge Moor	Coal	Conectiv Delmarva Gen Inc	718
4. Delaware City Plant	Other Gases	The Premcor Refining Group Inc	307
5. McKee Run	Gas	North American Energy Services	136
6. NRG Energy Center Dover	Coal	NRG Energy Center Dover LLC	120
7. Warren F Sam Beasley Generation Station	Gas	Delaware Municipal Electric Corp	49
8. Christiana	Petroleum	Conectiv Delmarva Gen Inc	44
9. Van Sant Station	Gas	North American Energy Services	39
10. Seaford Delaware Plant	Coal	Invista	27

See footnotes at end of tables.

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2006
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
Delaware						
1. Delmarva Power & Light Company	Investor-Owned	6,200,130	2,840,657	2,424,999	934,474	-
2. Delaware Electric Cooperative	Cooperative	1,081,355	893,495	187,860	-	-
3. PEPCO Energy Services	Other Provider	762,284	-	762,284	-	-
4. Dover City of	Public	724,991	185,422	246,440	293,129	-
5. Newark City of	Public	389,164	91,267	71,952	225,945	-
Total Sales, Top Five Providers		9,157,924	4,010,841	3,693,535	1,453,548	-
Percent of Total State Sales		79	94	88	47	-

See footnotes at end of tables.

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatts)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Delaware										
Electric Utilities	**1,965**	**2,239**	**184**	**58**	**58**	**58**	**194[R]**	**58**	**91.7**	**1.7**
Coal	919	910	-	-	-	-	-	-	42.9	-
Petroleum	858[R]	818[R]	184	9	9	9	145[R]	9	40.1	0.3
Natural Gas	187[R]	511[R]	-	49	49	49	49	49	8.7	1.5
Independent Power Producers and Combined Heat and Power	**177**	**177**	**2,517**	**3,332**	**3,335**	**3,371**	**3,171[R]**	**3,316**	**8.3**	**98.3**
Coal	37	37	1,034	1,050	1,052	1,070	1,083	1,083	1.7	32.1
Petroleum	134	134	968	736	736	686	550[R]	686	6.3	20.3
Natural Gas	4	4	515	1,244	1,244	1,308	1,231	1,233	0.2	36.6
Other Gases	1	1	-	303	303	307	307	307	0.1	9.1
Other Renewables	-	-	-	-	-	-	-	7	-	0.2
Total Electric Industry	**2,141**	**2,416**	**2,701**	**3,390**	**3,392**	**3,428**	**3,365**	**3,374**	**100.0**	**100.0**
Coal	956	947	1,034	1,050	1,052	1,070	1,083	1,083	44.6	32.1
Petroleum	992[R]	952[R]	1,152	745	745	695	695	695	46.3	20.6
Natural Gas	192[R]	515[R]	515	1,293	1,293	1,357	1,280	1,282	9.0	38.0
Other Gases	1	1	-	303	303	307	307	307	0.1	9.1
Other Renewables	-	-	-	-	-	-	-	7	-	0.2

See footnotes at end of tables.

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatthours)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Delaware										
Electric Utilities	**7,099,663**	**8,324,101**	**1,872,053**	**170,994**	**31,107**	**23,751**	**25,989**	**16,558**	**90.5**	**0.2**
Coal	4,904,473	4,226,615	1,626,254	-	-	-	-	-	62.5	-
Petroleum	1,436,186	917,065	209,088	154,118	9,863	10,083	6,442	113	18.3	*
Natural Gas	759,004	3,180,421	36,711	16,876	21,244	13,668	19,547	16,445	9.7	0.2
Independent Power Producers and Combined Heat and Power	**741,837**	**708,736**	**4,935,631**	**5,831,495**	**7,361,180**	**7,831,802**	**8,110,579**	**7,165,621**	**9.5**	**99.8**
Coal	209,006	212,359	1,742,253	3,463,565	4,026,496	4,750,119	4,832,948	4,968,772	2.7	69.2
Petroleum	357,620	368,130	1,497,541	795,577	1,707,001	1,081,258	1,209,981	131,963	4.6	1.8
Natural Gas	4,015	5,138	1,538,775	1,426,007	1,442,536	1,701,094	1,571,214	1,151,007	0.1	16.0
Other Gases	164,881	113,827	157,062	146,346	185,147	299,329	496,436	913,462	2.1	12.7
Other Renewables	-	-	-	-	-	-	-	417	-	*
Other	6,315	9,282	-	-	-	-	-	-	0.1	-
Total Electric Industry	**7,841,500**	**9,032,837**	**6,807,684**	**6,002,489**	**7,392,287**	**7,855,553**	**8,136,568**	**7,182,179**	**100.0**	**100.0**
Coal	5,113,479	4,438,974	3,368,507	3,463,565	4,026,496	4,750,119	4,832,948	4,968,772	65.2	69.2
Petroleum	1,793,806	1,285,195	1,706,629	949,695	1,716,864	1,091,341	1,216,423	132,076	22.9	1.8
Natural Gas	763,019	3,185,559	1,575,486	1,442,883	1,463,780	1,714,762	1,590,761	1,167,452	9.7	16.3
Other Gases	164,881	113,827	157,062	146,346	185,147	299,329	496,436	913,462	2.1	12.7
Other Renewables	-	-	-	-	-	-	-	417	-	*
Other	6,315	9,282	-	-	-	-	-	-	0.1	-

See footnotes at end of tables.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1990, 1995, and 2001 Through 2006

Fuel, Quality	1990	1995	2001	2002	2003	2004	2005	2006
Delaware								
Coal (cents per million Btu)	181	162	217	W	W	W	W	W
Average heat value (Btu per pound)	13,035	13,085	11,495	12,858	12,803	12,530	12,222	12,401
Average sulfur Content (percent)	0.97	1.00	0.67	0.91	0.90	0.83	0.67	0.74
Petroleum (cents per million Btu)	278	261	380	406	576	611	863	1,351
Average heat value (Btu per gallon)	151,269	152,012	148,095	148,964	147,895	146,312	147,248	139,117
Average sulfur Content (percent)	1.22	0.79	0.79	0.69	0.52	0.39	0.46	0.06
Natural Gas (cents per million Btu)	258	227	427	W	W	W	W	W
Average heat value (Btu per cubic foot)	1,054	1,032	1,030	1,036	1,043	1,036	1,037	1,037

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1990, 1995, and 2001 Through 2006
(Thousand Metric Tons)

Emission Type	1990	1995	2001	2002	2003	2004	2005	2006
Delaware								
Sulfur Dioxide								
Coal	38	37	30	28	32	33	29	28
Petroleum	41	35	6	4	4	2	2	2
Natural Gas	*	*	*	*	-	-	*	*
Other	*	*	*	*	*	*	*	*
Total	80	73	36	31	36	35	31	30
Nitrogen Oxide								
Coal	22	16	7	7	8	8	9	8
Petroleum	5	3	4	3	5	2	2	1
Natural Gas	1	3	1	1	*	1	1	*
Other	-	-	1	1	*	2	2	2
Total	27	21	13	11	13	13	14	11
Carbon Dioxide								
Coal	5,367	4,722	3,266	3,651	4,148	4,935	5,233	5,222
Petroleum	2,808	1,819	1,928	1,280	2,198	781	857	137
Natural Gas	617	1,473	829	1,079	647	810	716	527
Total	8,792	8,014	6,022	6,010	6,993	6,525	6,805	5,885

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1990, 1995, and 2001 Through 2006

Sector	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Delaware										
Retail Sales (thousand megawatthours)										
Residential	2,651	3,168	3,734	4,020	4,190	4,305	4,594	4,259	32.0	36.9
Commercial	2,311	2,842	3,605	3,787	3,886	4,033	4,238	4,196	27.9	36.3
Industrial	3,272	3,511	3,978	4,151	4,523	3,423	3,305	3,100	39.5	26.8
Other	50	58	62	60	NA	NA	NA	NA	0.6	NA
All Sectors	8,284	9,580	11,379	12,019	12,600	11,761	12,137	11,555	100.0	100.0
Retail Revenue (million dollars)										
Residential	223	288	321	350	360	378	414	505	41.6	43.1
Commercial	160	201	252	271	284	300	322	429	29.8	36.6
Industrial	148	166	191	201	233	207	205	238	27.6	20.3
Other	5	7	9	8	NA	NA	NA	NA	1.0	NA
All Sectors	535	662	774	830	877	885	941	1,171	100.0	100.0
Average Retail Prices (cents/KWh)										
Residential	8.39	9.09	8.61	8.70	8.59	8.78	9.01	11.85	NA	NA
Commercial	6.91	7.08	7.00	7.15	7.31	7.44	7.60	10.21	NA	NA
Industrial	4.51	4.72	4.81	4.85	5.15	6.06	6.21	7.67	NA	NA
Other	10.33	11.95	14.17	14.13	NA	NA	NA	NA	NA	NA
All Sectors	6.46	6.91	6.80	6.91	6.96	7.53	7.76	10.13	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2006

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Delaware								
Number of Entities	1	9	NA	1	NA	8	1	20
Number of Retail Customers	290,767	60,476	NA	75,466	NA	2,641	NA	429,350
Retail Sales (thousand megawatthours)	6,200	1,762	NA	1,081	NA	2,511	NA	11,555
Percentage of Retail Sales	53.66	15.25	NA	9.36	NA	21.73	NA	100.00
Revenue from Retail Sales (million dollars)	642	202	NA	107	NA	200	19	1,171
Percentage of Revenue	54.83	17.29	NA	9.15	NA	17.09	1.64	100.00
Average Retail Price (cents/kWh)	10.35	11.48	NA	9.91	NA	7.97	0.77	10.13

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 services. 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.

Table 10. Supply and Disposition of Electricity, 1990, 1995, and 2001 Through 2006
(Million Kilowatthours)

Category	1990	1995	2001	2002	2003	2004	2005	2006
Delaware								
Supply								
Generation								
Electric Utilities	7,100	8,324	1,872	171	31	24	26	17
Independent Power Producers	-	-	4,429	5,271	6,653	6,866	7,078	6,025
Combined Heat and Power, Electric	-	-	-	-	109	128	129	102
Electric Power Sector Generation Subtotal	**7,100**	**8,324**	**6,301**	**5,442**	**6,793**	**7,018**	**7,233**	**6,143**
Combined Heat and Power, Industrial	742	709	507	560	599	838	903	1,039
Industrial and Commercial Generation Subtotal	**742**	**709**	**507**	**560**	**599**	**838**	**903**	**1,039**
Total Net Generation	**7,842**	**9,033**	**6,808**	**6,002**	**7,392**	**7,856**	**8,137**	**7,182**
Total Supply	**7,842**	**9,033**	**6,808**	**6,002**	**7,392**	**7,856**	**8,137**	**7,182**
Disposition								
Retail Sales								
Full Service Providers	8,284	9,580	10,460	10,864	10,488	10,751	11,187	9,044
Energy-Only Providers	-	-	919	1,155	2,111	1,010	950	2,511
Total Electric Industry Retail Sales	**8,284**	**9,580**	**11,379**	**12,019**	**12,600**	**11,761**	**12,137**	**11,555**
Direct Use	**702**	**668**	**545**	**556**	**563**	**564**	**736**	**494**
Estimated Losses	**621**	**727**	**373**	**672**	**1,842**	**1,067**	**1,222**	**986**
Total Disposition	**9,607**	**10,975**	**12,297**	**13,247**	**15,005**	**13,392**	**14,095**	**13,034**
Net Interstate Trade	**-1,765**	**-1,942**	**-5,489**	**-7,245**	**-7,612**	**-5,536**	**-5,958**	**-5,852**
Net Trade Index (ratio)	**0.82**	**0.82**	**0.55**	**0.45**	**0.49**	**0.59**	**0.58**	**0.55**

R = Revised.
NA = Not applicable; NM = Not meaningful.
W = Withheld to avoid disclosure of individual company data.
- = Data not available.
* = 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 10 Notes: Estimated Losses are reported at the utility level, and then allocated to States based on the utility's retail sales by State. Reported losses may include electricity unaccounted for by the utility. Net Interstate Trade represents the difference between the amount of electricity produced in the State and consumed in the State. Positive values indicate a State that is a net interstate exporter of electricity; negative values indicate a State that is a net interstate importer of electricity. The Net Trade Index represents a State's electricity self-sufficiency. Values greater than 1 indicate that, on an annual net basis, the State supplied electricity consumed outside the State; values less than 1 indicate that, on an annual net basis, the State consumed electricity produced outside the State.
General Notes: Table 4 "Other Renewables" includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. The "Other" category includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. However, Table 5 "Other Renewables" includes only biogenic municipal solid waste, in addition to wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. In Table 5 "Other" includes Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. In Table 7, "Other Renewables" emissions include biogenic municipal solid waste, and other renewable 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.

Table 1. 2006 Summary Statistics

Item	Value	U.S. Rank
District of Columbia		
NERC Region(s)		**RFC**
Primary Energy Source		**Petroleum**
Net Summer Capacity (megawatts)	**806**	**51**
Independent Power Producers & Combined Heat and Power	806	42
Net Generation (megawatthours)	**81,467**	**51**
Independent Power Producers & Combined Heat and Power	81,467	50
Emissions (thousand metric tons)		
Sulfur Dioxide	*	50
Nitrogen Oxide	*	51
Carbon Dioxide	99	50
Sulfur Dioxide (lbs/MWh)	8.8	7
Nitrogen Oxide (lbs/MWh)	9.7	1
Carbon Dioxide (lbs/MWh)	2,681	1
Total Retail Sales (megawatthours)	**11,396,424**	**44**
Full Service Provider Sales (megawatthours)	5,964,971	49
Deregulated Sales (megawatthours)	5,431,453	11
Direct Use (megawatthours)	**-**	**50**
Average Retail Price (cents/kWh)	**11.08**	**12**

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capacity, 2006

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
District of Columbia			
1. Benning	Petroleum	Potomac Power Resources	550
2. Buzzard Point	Petroleum	Potomac Power Resources	256

See footnotes at end of tables.

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2006
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
District of Columbia						
1. Potomac Electric Power Co	Investor-Owned	6,509,605	1,783,440	4,726,165	-	-
2. PEPCO Energy Services	Other Provider	2,325,852	10,801	2,315,051	-	-
3. Hess Retail Natural Gas and Elec. Acctg.	Other Provider	1,138,627	-	671,790	466,837	-
4. Constellation NewEnergy, Inc	Other Provider	951,663	-	621,008	-	330,655
5. Washington Gas Energy Services	Other Provider	576,595	29,059	547,536	-	-
Total Sales, Top Five Providers		11,502,342	1,823,300	8,881,550	466,837	330,655
Percent of Total State Sales		96	100	96	87	100

See footnotes at end of tables.

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatts)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
District of Columbia										
Electric Utilities	**806**	**806**	**-**	**-**	**-**	**-**	**-**	**-**	**99.7**	**-**
Petroleum	806	806	-	-	-	-	-	-	99.7	-
Independent Power Producers and Combined Heat and Power	**3**	**3**	**806**	**806**	**806**	**806**	**806**	**806**	**0.3**	**100.0**
Coal	3	3	-	-	-	-	-	-	0.3	-
Petroleum	-	-	806	806	806	806	806	806	-	100.0
Total Electric Industry	**809**	**809**	**806**	**806**	**806**	**806**	**806**	**806**	**100.0**	**100.0**
Coal	3	3	-	-	-	-	-	-	0.3	-
Petroleum	806	806	806	806	806	806	806	806	99.7	100.0

See footnotes at end of tables.

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatthours)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
District of Columbia										
Electric Utilities	**361,043**	**188,862**	**-**	**-**	**-**	**-**	**-**	**-**	**100.0**	**-**
Petroleum	361,043	188,862	-	-	-	-	-	-	100.0	-
Independent Power Producers and Combined Heat and Power	**-**	**-**	**123,239**	**261,980**	**74,144**	**36,487**	**226,042**	**81,467**	**-**	**100.0**
Petroleum	-	-	123,239	261,980	74,144	36,487	226,042	81,467	-	100.0
Total Electric Industry	**361,043**	**188,862**	**123,239**	**261,980**	**74,144**	**36,487**	**226,042**	**81,467**	**100.0**	**100.0**
Petroleum	361,043	188,862	123,239	261,980	74,144	36,487	226,042	81,467	100.0	100.0

See footnotes at end of tables.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1990, 1995, and 2001 Through 2006

Fuel, Quality	1990	1995	2001	2002	2003	2004	2005	2006
District of Columbia								
Petroleum (cents per million Btu)	363	310	-	W	W	W	W	W
Average heat value (Btu per gallon)	143,238	142,998	-	142,114	142,324	141,352	142,143	140,714
Average sulfur Content (percent)	0.93	0.96	-	0.60	0.58	0.43	0.54	0.48

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1990, 1995, and 2001 Through 2006
(Thousand Metric Tons)

Emission Type	1990	1995	2001	2002	2003	2004	2005	2006
District of Columbia								
Sulfur Dioxide								
Petroleum	2	2	1	1	*	*	1	*
Total	2	2	1	1	*	*	1	*
Nitrogen Oxide								
Petroleum	*	*	*	1	*	*	1	*
Total	*	*	*	1	*	*	1	*
Carbon Dioxide								
Petroleum	406	220	162	261	82	56	234	99
Total	406	220	162	261	82	56	234	99

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1990, 1995, and 2001 Through 2006

Sector	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
District of Columbia										
Retail Sales (thousand megawatthours)										
Residential	1,480	1,608	1,699	1,790	1,754	1,834	1,938	1,822	15.0	16.0
Commercial	5,073	8,079	8,539	8,645	8,639	8,994	9,296	9,030	51.5	79.2
Industrial	2,976	262	281	282	267	282	256	240	30.2	2.1
Other	319	366	362	411	NA	NA	NA	NA	3.2	NA
Transportation	NA	NA	NA	NA	285	304	326	305	NA	2.7
All Sectors	9,848	10,316	10,880	11,129	10,946	11,415	11,816	11,396	100.0	100.0
Retail Revenue (million dollars)										
Residential	90	123	132	143	138	147	176	180	15.5	14.3
Commercial	322	578	636	633	635	670	848	1,008	55.1	79.9
Industrial	154	11	14	14	15	13	36	42	26.3	3.3
Other	18	23	23	27	NA	NA	NA	NA	3.2	NA
Transportation	NA	NA	NA	NA	22	22	24	33	NA	2.6
All Sectors	585	735	805	817	810	852	1,085	1,263	100.0	100.0
Average Retail Prices (cents/KWh)										
Residential	6.10	7.62	7.79	7.98	7.84	8.00	9.10	9.88	NA	NA
Commercial	6.35	7.15	7.45	7.32	7.35	7.45	9.13	11.17	NA	NA
Industrial	5.16	4.36	4.81	4.95	5.57	4.74	14.13	17.43	NA	NA
Other	5.78	6.33	6.39	6.59	NA	NA	NA	NA	NA	NA
Transportation	NA	NA	NA	NA	7.64	7.37	7.37	10.68	NA	NA
All Sectors	5.94	7.12	7.40	7.34	7.40	7.47	9.18	11.08	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2006

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
District of Columbia								
Number of Entities	1	NA	NA	NA	NA	9	2	12
Number of Retail Customers	226,668	NA	NA	NA	NA	9,406	NA	236,074
Retail Sales (thousand megawatthours)	5,965	NA	NA	NA	NA	5,431	NA	11,396
Percentage of Retail Sales	52.34	NA	NA	NA	NA	47.66	NA	100.00
Revenue from Retail Sales (million dollars)	723	NA	NA	NA	NA	394	145	1,263
Percentage of Revenue	57.30	NA	NA	NA	NA	31.24	11.47	100.00
Average Retail Price (cents/kWh)	11.26	NA	NA	NA	NA	7.26	2.67	11.08

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 services. 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.

Table 10. Supply and Disposition of Electricity, 1990, 1995, and 2001 Through 2006
(Million Kilowatthours)

Category	1990	1995	2001	2002	2003	2004	2005	2006
District of Columbia								
Supply								
Generation								
Electric Utilities	361	189	-	-	-	-	-	-
Independent Power Producers	-	-	123	262	74	36	226	81
Electric Power Sector Generation Subtotal	**361**	**189**	**123**	**262**	**74**	**36**	**226**	**81**
Industrial and Commercial Generation Subtotal	-	-	-	-	-	-	-	-
Total Net Generation	**361**	**189**	**123**	**262**	**74**	**36**	**226**	**81**
Total Supply	**361**	**189**	**123**	**262**	**74**	**36**	**226**	**81**
Disposition								
Retail Sales								
Full Service Providers	9,848	10,316	8,566	5,681	5,725	7,761	4,803	5,965
Energy-Only Providers	-	-	2,314	5,448	5,221	3,654	7,013	5,431
Total Electric Industry Retail Sales	**9,848**	**10,316**	**10,880**	**11,129**	**10,946**	**11,415**	**11,816**	**11,396**
Direct Use	-	-	*	*	*	*	-	-
Estimated Losses	**738**	**783**	**392**	**805**	**661**	**774**	**1,002**	**942**
Total Disposition	**10,587**	**11,099**	**11,273**	**11,934**	**11,608**	**12,189**	**12,819**	**12,338**
Net Interstate Trade	**-10,226**	**-10,910**	**-11,150**	**-11,672**	**-11,534**	**-12,152**	**-12,593**	**-12,257**
Net Trade Index (ratio)	**0.03**	**0.02**	**0.01**	**0.02**	**0.01**	*	**0.02**	**0.01**

R = Revised.
NA = Not applicable; NM = Not meaningful.
W = Withheld to avoid disclosure of individual company data.
- = Data not available.
* = 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 10 Notes: Estimated Losses are reported at the utility level, and then allocated to States based on the utility's retail sales by State. Reported losses may include electricity unaccounted for by the utility. Net Interstate Trade represents the difference between the amount of electricity produced in the State and consumed in the State. Positive values indicate a State that is a net interstate exporter of electricity; negative values indicate a State that is a net interstate importer of electricity. The Net Trade Index represents a State's electricity self-sufficiency. Values greater than 1 indicate that, on an annual net basis, the State supplied electricity consumed outside the State; values less than 1 indicate that, on an annual net basis, the State consumed electricity produced outside the State.
General Notes: Table 4 "Other Renewables" includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. The "Other" category includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. However, Table 5 "Other Renewables" includes only biogenic municipal solid waste, in addition to wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. In Table 5 "Other" includes Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. In Table 7, "Other Renewables" emissions include biogenic municipal solid waste, and other renewable 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.

Table 1. 2006 Summary Statistics

Item	Value	U.S. Rank
Florida		
NERC Region(s)		**FRCC/SERC**
Primary Energy Source		**Gas**
Net Summer Capacity (megawatts)	**53,206**	**3**
Electric Utilities	45,184	1
Independent Power Producers & Combined Heat and Power	8,022	12
Net Generation (megawatthours)	**223,751,621**	**2**
Electric Utilities	200,015,227	1
Independent Power Producers & Combined Heat and Power	23,736,394	13
Emissions (thousand metric tons)		
Sulfur Dioxide	329	10
Nitrogen Oxide	212	3
Carbon Dioxide	126,529	3
Sulfur Dioxide (lbs/MWh)	3.2	31
Nitrogen Oxide (lbs/MWh)	2.1	29
Carbon Dioxide (lbs/MWh)	1,247	32
Total Retail Sales (megawatthours)	**228,219,544**	**3**
Full Service Provider Sales (megawatthours)	228,219,544	3
Direct Use (megawatthours)	**5,274,184**	**7**
Average Retail Price (cents/kWh)	**10.45**	**13**

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capacity, 2006

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
Florida			
1. Martin	Gas	Florida Power & Light Co	3,657
2. Crystal River	Coal	Progress Energy Florida Inc	3,151
3. Manatee	Gas	Florida Power & Light Co	2,734
4. Fort Myers	Gas	Florida Power & Light Co	2,415
5. Turkey Point	Nuclear	Florida Power & Light Co	2,196
6. Sanford	Gas	Florida Power & Light Co	2,066
7. Big Bend	Coal	Tampa Electric Co	1,710
8. Lauderdale	Gas	Florida Power & Light Co	1,699
9. St Lucie	Nuclear	Florida Power & Light Co	1,678
10. H. L. Culbreath Bayside	Gas	Tampa Electric Co	1,632

See footnotes at end of tables.

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2006
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
Florida						
1. Florida Power & Light Co	Investor-Owned	103,652,914	54,567,510	44,955,896	4,035,750	93,758
2. Progress Energy Florida Inc	Investor-Owned	39,431,837	20,020,717	15,251,098	4,160,022	-
3. Tampa Electric Co	Investor-Owned	19,025,064	8,720,867	8,024,186	2,279,363	648
4. JEA	Public	12,799,959	5,596,010	4,171,144	3,028,495	4,310
5. Gulf Power Co	Investor-Owned	11,428,880	5,425,491	3,866,950	2,136,439	-
Total Sales, Top Five Providers		186,338,654	94,330,595	76,269,274	15,640,069	98,716
Percent of Total State Sales		82	81	84	79	100

See footnotes at end of tables.

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatts)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Florida										
Electric Utilities	**32,714**	**35,857**	**38,240**	**40,313**	**41,996**	**42,619**	**45,196**	**45,184**	**95.8**	**84.9**
Coal	9,971	10,069	10,783	11,301	10,223	9,653	9,634	9,564	29.2	18.0
Petroleum	11,107[R]	13,478[R]	12,552	10,650	10,063	10,715	10,611	10,593	32.5	19.9
Natural Gas	7,775[R]	8,447[R]	10,955	14,401	17,751	18,290	20,990	21,065	22.8	39.6
Nuclear	3,813	3,822	3,898	3,906	3,902	3,902	3,902	3,902	11.2	7.3
Hydroelectric	48	41	47	50	50	55	55	55	0.1	0.1
Other Renewables	-	-	5	5	8	5	5	5	-	*
Independent Power Producers and Combined Heat and Power	**1,443**	**3,849**	**4,565**	**6,740**	**7,423**	**8,034**	**8,024**	**8,022**	**4.2**	**15.1**
Coal	242	812	806	806	799	769	769	769	0.7	1.4
Petroleum	33	58	18	18	18	1,073	1,091	1,084	0.1	2.0
Natural Gas	171	1,570	2,642	4,564	5,300	4,945	4,950	4,970	0.5	9.3
Other Renewables	690	1,062	956	962	895	932	925	949	2.0	1.8
Other	307	347	144	391	410	315	289	251	0.9	0.5
Total Electric Industry	**34,157**	**39,706**	**42,805**	**47,054**	**49,419**	**50,654**	**53,220**	**53,206**	**100.0**	**100.0**
Coal	10,214	10,881	11,589	12,107	11,022	10,422	10,403	10,333	29.9	19.4
Petroleum	11,140[R]	13,536[R]	12,570	10,668	10,080	11,787	11,701	11,677	32.6	21.9
Natural Gas	7,946[R]	10,017[R]	13,596	18,965	23,051	23,236	25,941	26,035	23.3	48.9
Nuclear	3,813	3,822	3,898	3,906	3,902	3,902	3,902	3,902	11.2	7.3
Hydroelectric	48	41	47	50	50	55	55	55	0.1	0.1
Other Renewables	690	1,062	962	967	903	937	930	954	2.0	1.8
Other	307	347	144	391	410	315	289	251	0.9	0.5

See footnotes at end of tables.

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatthours)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Florida										
Electric Utilities	**123,623,905**	**147,156,684**	**170,966,177**	**182,346,629**	**188,034,719**	**193,383,664**	**196,096,285**	**200,015,227**	**94.0**	**89.4**
Coal	59,073,203	61,864,438	63,090,794	60,997,142	62,094,661	60,013,823	57,559,411	60,413,597	44.9	27.0
Petroleum	25,092,296	21,583,186	39,075,398	32,449,236	35,545,897	35,824,155	36,122,039	22,508,349	19.1	10.1
Natural Gas	17,504,242	34,737,603	36,943,903	54,883,087	59,013,591	65,940,807	73,282,347	85,384,147	13.3	38.2
Nuclear	21,779,560	28,740,617	31,583,404	33,704,230	30,979,481	31,215,576	28,758,826	31,426,349	16.6	14.0
Hydroelectric	174,604	230,840	147,718	184,114	262,667	265,258	266,159	203,422	0.1	0.1
Other Renewables	-	-	114,577	123,335	130,639	124,045	107,503	79,363	-	*
Other	-	-	10,383	5,485	7,782	-	-	-	-	-
Independent Power Producers and Combined Heat and Power	**7,878,648**	**20,257,688**	**19,979,167**	**21,006,145**	**24,575,293**	**24,734,264**	**24,160,127[R]**	**23,736,394**	**6.0**	**10.6**
Coal	1,027,054	3,897,403	5,136,944	4,929,251	5,579,919	4,863,044	4,972,028	5,017,937	0.8	2.2
Petroleum	442,842	704,315	1,504,541	1,232,115	1,658,672	1,405,828	1,107,469	434,434	0.3	0.2
Natural Gas	1,138,441	8,017,547	6,625,902	8,280,948	9,279,829	10,688,070	10,305,415	10,716,260	0.9	4.8
Other Gases	-	31,478	634	13,079	10,505	10,555	9,662[R]	8,456	-	*
Other Renewables	3,817,209	5,579,958	3,675,180	3,616,445	4,343,450	4,390,615	4,256,351	4,293,112	2.9	1.9
Other	1,453,102	2,026,987	3,035,966	2,934,307	3,702,918	3,376,152	3,509,202	3,266,194	1.1	1.5
Total Electric Industry	**131,502,553**	**167,414,372**	**190,945,344**	**203,352,774**	**212,610,012**	**218,117,928**	**220,256,412[R]**	**223,751,621**	**100.0**	**100.0**
Coal	60,100,257	65,761,841	68,227,738	65,926,393	67,674,580	64,876,867	62,531,439	65,431,534	45.7	29.2
Petroleum	25,535,138	22,287,501	40,579,939	33,681,351	37,204,569	37,229,983	37,229,508	22,942,783	19.4	10.3
Natural Gas	18,642,683	42,755,150	43,569,805	63,164,035	68,293,420	76,628,877	83,587,762	96,100,407	14.2	42.9
Other Gases	-	31,478	634	13,079	10,505	10,555	9,662[R]	8,456	-	*
Nuclear	21,779,560	28,740,617	31,583,404	33,704,230	30,979,481	31,215,576	28,758,826	31,426,349	16.6	14.0
Hydroelectric	174,604	230,840	147,718	184,114	262,667	265,258	266,159	203,422	0.1	0.1
Other Renewables	3,817,209	5,579,958	3,789,757	3,739,780	4,474,089	4,514,660	4,363,854	4,372,475	2.9	2.0
Other	1,453,102	2,026,987	3,046,349	2,939,792	3,710,700	3,376,152	3,509,202	3,266,194	1.1	1.5

See footnotes at end of tables.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1990, 1995, and 2001 Through 2006

Fuel, Quality	1990	1995	2001	2002	2003	2004	2005	2006
Florida								
Coal (cents per million Btu)	185	179	172	176	176	192	231	256
Average heat value (Btu per pound)	12,364	12,296	12,105	12,263	12,281	12,249	12,227	12,142
Average sulfur Content (percent)	1.73	1.47	1.54	1.55	1.44	1.44	1.38	1.37
Petroleum (cents per million Btu)	302	247	339	324	389	392	581	568
Average heat value (Btu per gallon)	151,010	150,633	150,000	149,657	148,431	148,183	147,510	146,124
Average sulfur Content (percent)	1.21	1.47	1.57	1.78	1.99	1.96	1.99	2.47
Natural Gas (cents per million Btu)	253	224	453	397	573	629	844	835
Average heat value (Btu per cubic foot)	1,011	1,010	1,040	1,035	1,041	1,032	1,037	1,030

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1990, 1995, and 2001 Through 2006
(Thousand Metric Tons)

Emission Type	1990	1995	2001	2002	2003	2004	2005	2006
Florida								
Sulfur Dioxide								
Coal	436	377	270	260	240	236	205	197
Petroleum	168	146	265	185	213	193	190	117
Natural Gas	*	*	*	*	*	*	*	*
Other	28	35	13	14	15	15	17	15
Total	633	558	548	459	469	443	412	329
Nitrogen Oxide								
Coal	217	243	159	148	145	138	115	118
Petroleum	38	31	82	60	67	64	66	48
Natural Gas	26	47	38	39	30	29	27	24
Other	9	12	21	21	20	20	19	22
Total	290	333	299	268	262	250	227	212
Carbon Dioxide								
Coal	56,806	62,717	65,130	64,328	65,002	62,947	60,407	62,476
Petroleum	21,280	18,814	33,443	27,880	31,193	31,627	32,290	20,502
Natural Gas	11,209	21,127	21,626	29,474	30,248	32,918	35,263	41,090
Other Renewables	1,325	2,255	2,149	2,560	2,333	2,392	2,364	2,460
Total	90,620	104,913	122,348	124,242	128,776	129,884	130,325	126,529

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1990, 1995, and 2001 Through 2006

Sector	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Florida										
Retail Sales (thousand megawatthours)										
Residential	71,115	85,770	101,377	108,164	112,650	112,203	115,791	117,053	49.5	51.3
Commercial	51,342	60,079	73,958	77,561	85,257	86,765	89,410	91,300	35.8	40.0
Industrial	16,605	16,473	19,854	18,959	19,375	19,518	19,676	19,768	11.6	8.7
Other	4,473	5,171	5,563	5,789	NA	NA	NA	NA	3.1	NA
Transportation	NA	NA	NA	NA	97	98	99	99	NA	*
All Sectors	143,535	167,492	200,752	210,474	217,379	218,584	224,977	228,220	100.0	100.0
Retail Revenue (million dollars)										
Residential	5,527	6,711	8,713	8,823	9,636	10,086	11,141	13,264	54.7	55.6
Commercial	3,421	3,838	5,239	5,150	6,083	6,601	7,293	9,048	33.9	37.9
Industrial	844	850	1,028	991	1,048	1,140	1,271	1,523	8.4	6.4
Other	306	346	423	430	NA	NA	NA	NA	3.0	NA
Transportation	NA	NA	NA	NA	7	7	8	10	NA	*
All Sectors	10,098	11,745	15,403	15,394	16,774	17,835	19,713	23,845	100.0	100.0
Average Retail Prices (cents/KWh)										
Residential	7.77	7.82	8.59	8.16	8.55	8.99	9.62	11.33	NA	NA
Commercial	6.66	6.39	7.08	6.64	7.13	7.61	8.16	9.91	NA	NA
Industrial	5.08	5.16	5.18	5.23	5.41	5.84	6.46	7.71	NA	NA
Other	6.83	6.69	7.60	7.43	NA	NA	NA	NA	NA	NA
Transportation	NA	NA	NA	NA	7.21	7.45	8.03	10.32	NA	NA
All Sectors	7.04	7.01	7.67	7.31	7.72	8.16	8.76	10.45	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2006

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Florida								
Number of Entities	5	32	NA	16	NA	NA	NA	53
Number of Retail Customers	7,126,772	1,277,301	NA	1,008,737	NA	NA	NA	9,412,810
Retail Sales (thousand megawatthours)	174,387	35,367	NA	18,465	NA	NA	NA	228,220
Percentage of Retail Sales	76.41	15.50	NA	8.09	NA	NA	NA	100.00
Revenue from Retail Sales (million dollars)	18,696	3,277	NA	1,872	NA	NA	NA	23,845
Percentage of Revenue	78.41	13.74	NA	7.85	NA	NA	NA	100.00
Average Retail Price (cents/kWh)	10.72	9.26	NA	10.14	NA	NA	NA	10.45

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 services. 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.

Table 10. Supply and Disposition of Electricity, 1990, 1995, and 2001 Through 2006
(Million Kilowatthours)

Category	1990	1995	2001	2002	2003	2004	2005	2006
Florida								
Supply								
Generation								
Electric Utilities	123,624	147,157	170,966	182,347	188,035	193,384	196,096	200,015
Independent Power Producers	1,696	4,082	5,675	7,247	8,276	10,334	10,189	10,156
Combined Heat and Power, Electric	647	9,333	8,957	9,242	10,335	8,779	8,515	8,656
Electric Power Sector Generation Subtotal	**125,967**	**160,571**	**185,598**	**198,835**	**206,645**	**212,497**	**214,800**	**218,827**
Combined Heat and Power, Commercial	245	111	107	111	73	96	97	91
Combined Heat and Power, Industrial	5,291	6,733	5,240	4,407	5,891	5,524	5,359	4,834
Industrial and Commercial Generation Subtotal	**5,536**	**6,843**	**5,348**	**4,517**	**5,965**	**5,621**	**5,456**	**4,925**
Total Net Generation	**131,503**	**167,414**	**190,945**	**203,353**	**212,610**	**218,118**	**220,256**	**223,752**
Total Supply	**131,503**	**167,414**	**190,945**	**203,353**	**212,610**	**218,118**	**220,256**	**223,752**
Disposition								
Retail Sales								
Full Service Providers	143,535	167,492	200,752	210,474	217,372	218,584	224,977	228,220
Facility Direct Retail Sales	-	-	-	-	7	-	-	-
Total Electric Industry Retail Sales	**143,535**	**167,492**	**200,752**	**210,474**	**217,379**	**218,584**	**224,977**	**228,220**
Direct Use	**5,590**	**6,986**	**6,671**	**6,816**	**6,903**	**6,910**	**5,346**	**5,274**
Estimated Losses	**10,762**	**12,715**	**9,073**	**13,579**	**12,683**	**15,120**	**16,187**	**17,306**
Total Disposition	**159,886**	**187,194**	**216,497**	**230,869**	**236,965**	**240,615**	**246,510**	**250,800**
Net Interstate Trade	**-28,384**	**-19,779**	**-25,551**	**-27,517**	**-24,355**	**-22,497**	**-26,254**	**-27,048**
Net Trade Index (ratio)	**0.82**	**0.89**	**0.88**	**0.88**	**0.90**	**0.91**	**0.89**	**0.89**

R = Revised.
NA = Not applicable; NM = Not meaningful.
W = Withheld to avoid disclosure of individual company data.
- = Data not available.
* = 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 10 Notes: Estimated Losses are reported at the utility level, and then allocated to States based on the utility's retail sales by State. Reported losses may include electricity unaccounted for by the utility. Net Interstate Trade represents the difference between the amount of electricity produced in the State and consumed in the State. Positive values indicate a State that is a net interstate exporter of electricity; negative values indicate a State that is a net interstate importer of electricity. The Net Trade Index represents a State's electricity self-sufficiency. Values greater than 1 indicate that, on an annual net basis, the State supplied electricity consumed outside the State; values less than 1 indicate that, on an annual net basis, the State consumed electricity produced outside the State.
General Notes: Table 4 "Other Renewables" includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. The "Other" category includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. However, Table 5 "Other Renewables" includes only biogenic municipal solid waste, in addition to wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. In Table 5 "Other" includes Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. In Table 7, "Other Renewables" emissions include biogenic municipal solid waste, and other renewable 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.

Table 1. 2006 Summary Statistics

Item	Value	U.S. Rank
Georgia		
NERC Region(s)		**SERC**
Primary Energy Source		**Coal**
Net Summer Capacity (megawatts)	**36,499**	**7**
Electric Utilities	26,542	2
Independent Power Producers & Combined Heat and Power	9,957	11
Net Generation (megawatthours)	**138,010,208**	**9**
Electric Utilities	127,367,613	2
Independent Power Producers & Combined Heat and Power	10,642,595	27
Emissions (thousand metric tons)		
Sulfur Dioxide	685	4
Nitrogen Oxide	130	8
Carbon Dioxide	89,898	8
Sulfur Dioxide (lbs/MWh)	10.9	4
Nitrogen Oxide (lbs/MWh)	2.1	30
Carbon Dioxide (lbs/MWh)	1,436	24
Total Retail Sales (megawatthours)	**134,834,168**	**8**
Full Service Provider Sales (megawatthours)	134,834,168	6
Direct Use (megawatthours)	**5,421,307**	**6**
Average Retail Price (cents/kWh)	**7.63**	**25**

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capacity, 2006

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
Georgia			
1. Scherer	Coal	Georgia Power Co	3,405
2. Bowen	Coal	Georgia Power Co	3,254
3. Vogtle	Nuclear	Georgia Power Co	2,301
4. Wansley	Coal	Georgia Power Co	1,827
5. Edwin I Hatch	Nuclear	Georgia Power Co	1,759
6. Harllee Branch	Coal	Georgia Power Co	1,607
7. Yates	Coal	Georgia Power Co	1,295
8. KGen Murray I and II LLC	Gas	Duke Energy Generation Services	1,244
9. McIntosh Combined Cycle Facility	Gas	Georgia Power Co	1,184
10. Wansley Combined Cycle	Gas	Southern Power Co	1,129

See footnotes at end of tables.

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2006
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
Georgia						
1. Georgia Power Co	Investor-Owned	84,555,891	26,206,170	32,594,158	25,577,006	178,557
2. Jackson Electric Member Corp	Cooperative	4,673,335	2,703,569	1,382,878	586,888	-
3. Cobb Electric Membership Corp	Cooperative	3,994,151	2,482,055	1,247,586	264,510	-
4. Sawnee Electric Membership Corporation	Cooperative	2,908,313	1,946,279	776,011	186,023	-
5. North Georgia Elec Member Corp	Cooperative	2,628,125	1,328,920	501,059	798,146	-
Total Sales, Top Five Providers		98,759,815	34,666,993	36,501,692	27,412,573	178,557
Percent of Total State Sales		73	64	80	79	100

See footnotes at end of tables.

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatts)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Georgia										
Electric Utilities	**20,731**	**22,290**	**24,099**	**25,821**	**24,804**	**25,404**	**26,538**	**26,542**	**95.6**	**72.7**
Coal	12,952	12,551	13,503	13,498	13,331	13,215	13,192	13,192	59.7	36.1
Petroleum	1,488[R]	1,231[R]	1,145	1,145	1,055	991	991	991	6.9	2.7
Natural Gas	96[R]	1,274[R]	1,974	3,386	2,827	3,470	4,618	4,609	0.4	12.6
Nuclear	3,726	3,900	4,023	4,023	4,040	4,053	4,060	4,060	17.2	11.1
Hydroelectric	1,981	2,209	2,331	2,316	2,097	2,000	2,003	2,016	9.1	5.5
Pumped Storage	488	1,124	1,124	1,454	1,454	1,675	1,675	1,675	2.2	4.6
Independent Power Producers and Combined Heat and Power	**965**	**1,386**	**5,383**	**8,780**	**10,011**	**9,934**	**9,993**	**9,957**	**4.4**	**27.3**
Coal	79	64	312	317	317	273	273	245	0.4	0.7
Petroleum	143	203	178	253	307	262	1,195	1,192	0.7	3.3
Natural Gas	131	415	4,472	7,798	8,977	8,883	8,015	8,010	0.6	21.9
Hydroelectric	10	14	10	10	11	11	11	11	*	*
Other Renewables	603	690	410	402	399	506	499	499	2.8	1.4
Total Electric Industry	**21,696**	**23,675**	**29,482**	**34,601**	**34,815**	**35,338**	**36,531**	**36,499**	**100.0**	**100.0**
Coal	13,030	12,615	13,816	13,815	13,648	13,488	13,465	13,438	60.1	36.8
Petroleum	1,631[R]	1,433[R]	1,322	1,397	1,361	1,252	2,185	2,182	7.5	6.0
Natural Gas	227[R]	1,689[R]	6,446	11,184	11,804	12,353	12,633	12,618	1.0	34.6
Nuclear	3,726	3,900	4,023	4,023	4,040	4,053	4,060	4,060	17.2	11.1
Hydroelectric	1,991	2,223	2,341	2,325	2,109	2,012	2,014	2,027	9.2	5.6
Other Renewables	603	690	410	402	399	506	499	499	2.8	1.4
Pumped Storage	488	1,124	1,124	1,454	1,454	1,675	1,675	1,675	2.2	4.6

See footnotes at end of tables.

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatthours)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Georgia										
Electric Utilities	**97,565,058**	**102,015,724**	**110,564,676**	**111,855,967**	**115,755,114**	**117,918,895**	**126,444,777**	**127,367,613**	**95.0**	**92.3**
Coal	67,564,750	65,880,095	73,443,695	77,288,328	77,858,022	79,185,166	86,358,096	85,700,960	65.8	62.1
Petroleum	164,987	218,515	275,630	233,940	278,618	156,672	189,819	86,798	0.2	0.1
Natural Gas	151,615	572,818	1,168,337	1,189,392	890,600	2,044,196	4,567,674	7,430,266	0.1	5.4
Nuclear	24,796,884	30,660,626	33,681,769	31,107,735	33,256,649	33,747,705	31,534,259	32,005,810	24.1	23.2
Hydroelectric	4,544,712	4,146,208	2,564,955	2,684,740	4,107,318	3,663,002	4,004,150	2,544,122	4.4	1.8
Pumped Storage	342,110	537,462	-569,710	-648,168	-636,093	-877,846	-209,221	-400,343	0.3	-0.3
Independent Power Producers and Combined Heat and Power	**5,121,182**	**5,862,872**	**7,752,113**	**14,656,248**	**8,321,720**	**8,893,820**	**10,223,115**[R]	**10,642,595**	**5.0**	**7.7**
Coal	980,942	1,062,265	1,117,486	1,539,796	780,467	770,571	877,413	809,882	1.0	0.6
Petroleum	334,493	631,345	894,909	970,625	915,441	686,118	829,414	738,806	0.3	0.5
Natural Gas	678,565	887,066	2,697,536	5,699,758	3,386,391	4,151,766	5,209,486	5,508,251	0.7	4.0
Hydroelectric	44,405	50,533	31,472	30,982	32,952	29,394	27,903	24,715	*	*
Other Renewables	3,082,776	3,231,663	3,002,754	6,381,435	3,173,273	3,216,386	3,226,131	3,442,993	3.0	2.5
Other	1	-	7,956	33,652	33,196	39,585	52,768	117,949	*	0.1
Total Electric Industry	**102,686,240**	**107,878,596**	**118,316,789**	**126,512,215**	**124,076,834**	**126,812,715**	**136,667,892**[R]	**138,010,208**	**100.0**	**100.0**
Coal	68,545,692	66,942,360	74,561,181	78,828,124	78,638,489	79,955,737	87,235,509	86,510,842	66.8	62.7
Petroleum	499,480	849,860	1,170,539	1,204,565	1,194,059	842,790	1,019,233	825,604	0.5	0.6
Natural Gas	830,180	1,459,884	3,865,873	6,889,150	4,276,991	6,195,962	9,777,160	12,938,517	0.8	9.4
Nuclear	24,796,884	30,660,626	33,681,769	31,107,735	33,256,649	33,747,705	31,534,259	32,005,810	24.1	23.2
Hydroelectric	4,589,117	4,196,741	2,596,427	2,715,722	4,140,270	3,692,396	4,032,053	2,568,837	4.5	1.9
Other Renewables	3,082,776	3,231,663	3,002,754	6,381,435	3,173,273	3,216,386	3,226,131	3,442,993	3.0	2.5
Pumped Storage	342,110	537,462	-569,710	-648,168	-636,093	-877,846	-209,221	-400,343	0.3	-0.3
Other	1	-	7,956	33,652	33,196	39,585	52,768	117,949	*	0.1

See footnotes at end of tables.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1990, 1995, and 2001 Through 2006

Fuel, Quality	1990	1995	2001	2002	2003	2004	2005	2006
Georgia								
Coal (cents per million Btu)	179	167	166	W	172	180	218	W
Average heat value (Btu per pound)	11,893	11,576	11,730	11,686	11,668	11,024	11,058	10,994
Average sulfur Content (percent)	1.63	0.81	0.81	0.79	0.82	0.78	0.81	0.82
Petroleum (cents per million Btu)	486	378	668	549	268	289	433	W
Average heat value (Btu per gallon)	139,812	139,631	145,714	138,348	134,648	136,533	141,855	135,864
Average sulfur Content (percent)	0.81	0.50	0.50	0.40	4.35	4.22	3.63	4.59
Natural Gas (cents per million Btu)	297	272	328	362	572	665	1,027[R]	710
Average heat value (Btu per cubic foot)	1,024	1,024	1,020	1,031	1,035	1,031	1,036[R]	1,038

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1990, 1995, and 2001 Through 2006
(Thousand Metric Tons)

Emission Type	1990	1995	2001	2002	2003	2004	2005	2006
Georgia								
Sulfur Dioxide								
Coal	805	440	479	495	517	524	583	619
Petroleum	13	2	47	36	42	33	35	37
Natural Gas	*	*	*	*	*	*	*	*
Other	30	39	32	32	27	27	27	29
Total	849	481	557	563	586	584	646	685
Nitrogen Oxide								
Coal	292	251	153	138	101	97	107	109
Petroleum	2	3	5	5	6	4	4	4
Natural Gas	2	4	3	6	4	3	4	5
Other	10	10	11	11	10	10	10	12
Total	306	268	172	159	120	115	126	130
Carbon Dioxide								
Coal	64,412	67,151	70,521	75,279	74,636	76,683	82,689	81,967
Petroleum	1,278	1,891	2,261	2,480	2,322	1,967	2,005	1,586
Natural Gas	1,075	1,677	2,837	3,799	2,177	2,916	4,374	5,687
Other Renewables	307	122	64	157	159	148	185	659
Total	67,072	70,841	75,683	81,716	79,294	81,714	89,253	89,898

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1990, 1995, and 2001 Through 2006

Sector	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Georgia										
Retail Sales (thousand megawatthours)										
Residential	29,933	35,812	44,380	48,600	48,174	51,124	52,827	54,521	37.2	40.4
Commercial	22,868	27,741	37,839	38,887	40,554	42,316	44,663	45,547	28.4	33.8
Industrial	26,717	31,493	33,941	34,603	34,768	35,846	34,602	34,588	33.2	25.7
Other	922	1,145	1,631	1,699	NA	NA	NA	NA	1.1	NA
Transportation	NA	NA	NA	NA	180	180	174	179	NA	0.1
All Sectors	80,440	96,192	117,790	123,789	123,677	129,466	132,265	134,834	100.0	100.0
Retail Revenue (million dollars)										
Residential	2,233	2,811	3,428	3,706	3,711	4,016	4,565	4,858	42.3	47.2
Commercial	1,677	2,031	2,503	2,513	2,699	2,912	3,428	3,559	31.8	34.6
Industrial	1,291	1,423	1,454	1,366	1,397	1,587	1,827	1,861	24.5	18.1
Other	75	98	140	141	NA	NA	NA	NA	1.4	NA
Transportation	NA	NA	NA	NA	9	9	10	11	NA	0.1
All Sectors	5,275	6,363	7,524	7,726	7,816	8,525	9,830	10,288	100.0	100.0
Average Retail Prices (cents/KWh)										
Residential	7.46	7.85	7.72	7.63	7.70	7.86	8.64	8.91	NA	NA
Commercial	7.33	7.32	6.61	6.46	6.66	6.88	7.67	7.81	NA	NA
Industrial	4.83	4.52	4.28	3.95	4.02	4.43	5.28	5.38	NA	NA
Other	8.11	8.60	8.56	8.31	NA	NA	NA	NA	NA	NA
Transportation	NA	NA	NA	NA	4.81	5.12	5.90	6.12	NA	NA
All Sectors	6.56	6.62	6.39	6.24	6.32	6.58	7.43	7.63	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2006

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Georgia								
Number of Entities	1	53	NA	44	NA	NA	NA	98
Number of Retail Customers	2,287,987	336,987	NA	1,843,951	NA	NA	NA	4,468,925
Retail Sales (thousand megawatthours)	84,556	11,824	NA	38,455	NA	NA	NA	134,834
Percentage of Retail Sales	62.71	8.77	NA	28.52	NA	NA	NA	100.00
Revenue from Retail Sales (million dollars)	6,206	857	NA	3,225	NA	NA	NA	10,288
Percentage of Revenue	60.32	8.33	NA	31.35	NA	NA	NA	100.00
Average Retail Price (cents/kWh)	7.34	7.25	NA	8.39	NA	NA	NA	7.63

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 services. 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.

Table 10. Supply and Disposition of Electricity, 1990, 1995, and 2001 Through 2006
(Million Kilowatthours)

Category	1990	1995	2001	2002	2003	2004	2005	2006
Georgia								
Supply								
Generation								
Electric Utilities	97,565	102,016	110,565	111,856	115,755	117,919	126,445	127,368
Independent Power Producers	8	316	1,847	4,894	3,031	3,861	4,913	5,164
Combined Heat and Power, Electric	-	-	386	388	207	33	141	178
Electric Power Sector Generation Subtotal	**97,573**	**102,332**	**112,798**	**117,138**	**118,993**	**121,813**	**131,499**	**132,709**
Combined Heat and Power, Commercial	3	14	3	3	3	3	10	4
Combined Heat and Power, Industrial	5,110	5,533	5,516	9,372	5,081	4,997	5,159	5,297
Industrial and Commercial Generation Subtotal	**5,113**	**5,547**	**5,519**	**9,374**	**5,084**	**5,000**	**5,169**	**5,301**
Total Net Generation	**102,686**	**107,879**	**118,317**	**126,512**	**124,077**	**126,813**	**136,668**	**138,010**
Total Supply	**102,686**	**107,879**	**118,317**	**126,512**	**124,077**	**126,813**	**136,668**	**138,010**
Disposition								
Retail Sales								
Full Service Providers	80,440	96,192	117,790	123,789	123,677	129,466	132,265	134,834
Total Electric Industry Retail Sales	**80,440**	**96,192**	**117,790**	**123,789**	**123,677**	**129,466**	**132,265**	**134,834**
Direct Use	**5,105**	**5,543**	**5,370**	**5,487**	**5,557**	**5,563**	**5,092**	**5,421**
Estimated Losses	**6,031**	**7,302**	**11,516**	**25,102**	**14,185**	**20,459**	**11,280**	**9,251**
Total Disposition	**91,577**	**109,038**	**134,677**	**154,378**	**143,418**	**155,488**	**148,638**	**149,507**
Net Interstate Trade	**11,110**	**-1,159**	**-16,360**	**-27,866**	**-19,342**	**-28,675**	**-11,970**	**-11,496**
Net Trade Index (ratio)	**1.12**	**0.99**	**0.88**	**0.82**	**0.87**	**0.82**	**0.92**	**0.92**

R = Revised.
NA = Not applicable; NM = Not meaningful.
W = Withheld to avoid disclosure of individual company data.
- = Data not available.
* = 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.
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General Notes: Table 4 "Other Renewables" includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. The "Other" category includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. However, Table 5 "Other Renewables" includes only biogenic municipal solid waste, in addition to wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. In Table 5 "Other" includes Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. In Table 7, "Other Renewables" emissions include biogenic municipal solid waste, and other renewable waste.
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Table 1. 2006 Summary Statistics

Item	Value	U.S. Rank
Hawaii		
NERC Region(s)		--
Primary Energy Source		**Petroleum**
Net Summer Capacity (megawatts)	**2,414**	**47**
Electric Utilities	1,730	40
Independent Power Producers & Combined Heat and Power	684	43
Net Generation (megawatthours)	**11,559,174**	**45**
Electric Utilities	7,040,473	37
Independent Power Producers & Combined Heat and Power	4,518,701	38
Emissions (thousand metric tons)		
Sulfur Dioxide	22	39
Nitrogen Oxide	29	37
Carbon Dioxide	9,036	41
Sulfur Dioxide (lbs/MWh)	4.2	22
Nitrogen Oxide (lbs/MWh)	5.5	3
Carbon Dioxide (lbs/MWh)	1,723	16
Total Retail Sales (megawatthours)	**10,567,912**	**47**
Full Service Provider Sales (megawatthours)	10,567,912	43
Direct Use (megawatthours)	**365,273**	**36**
Average Retail Price (cents/kWh)	**20.72**	**1**

See footnotes at end of tables.
There is no NERC Region for Hawaii. This is shown as "--" in the table.

Table 2. Ten Largest Plants by Generating Capacity, 2006

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
Hawaii			
1. Kahe	Petroleum	Hawaiian Electric Co Inc	582
2. Waiau	Petroleum	Hawaiian Electric Co Inc	457
3. Kalaeola Cogen Plant	Petroleum	Kalaeloa Partners LP	214
4. Maalaea	Petroleum	Maui Electric Co Ltd	205
5. AES Hawaii	Coal	AES Hawaii Inc	180
6. Honolulu	Petroleum	Hawaiian Electric Co Inc	100
7. Port Allen	Petroleum	Kauai Island Utility Cooperative	93
8. Keahole	Petroleum	Hawaii Electric Light Co Inc	63
9. Hamakua Energy Plant	Petroleum	Hamakua Energy Partners LP	61
10. H Power	Other	Covanta Honolulu Resource Recovery	60

See footnotes at end of tables.

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2006
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
Hawaii						
1. Hawaiian Electric Co Inc	Investor-Owned	7,700,605	2,134,432	2,491,323	3,074,850	-
2. Maui Electric Co Ltd	Investor-Owned	1,266,467	445,434	415,304	405,729	-
3. Hawaii Electric Light Co Inc	Investor-Owned	1,148,760	442,294	458,252	248,214	-
4. Kauai Island Utility Cooperative	Cooperative	452,080	160,272	124,854	166,954	-
Total Sales, Top Five Providers		10,567,912	3,182,432	3,489,733	3,895,747	-
Percent of Total State Sales		100	100	100	100	-

See footnotes at end of tables.

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatts)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Hawaii										
Electric Utilities	**1,487**	**1,602**	**1,622**	**1,622**	**1,624**	**1,691**	**1,705[R]**	**1,730**	**78.8**	**71.7**
Petroleum	1,483	1,598	1,616	1,618	1,620	1,687	1,699[R]	1,724	78.6	71.4
Hydroelectric	3	3	3	2	2	2	4	4	0.2	0.2
Other Renewables	-	-	2	2	2	2	2	2	-	0.1
Independent Power Producers and Combined Heat and Power	**400**	**757**	**670**	**645**	**644**	**620**	**653[R]**	**684**	**21.2**	**28.3**
Coal	22	213	202	202	202	180	180	180	1.2	7.5
Petroleum	132	275	251	264	262	262	296[R]	296	7.0	12.2
Other Gases	8	8	9	9	9	9	9	9	0.4	0.4
Hydroelectric	14	25	22	22	21	21	20	20	0.8	0.8
Other Renewables	223	237	186	148	150	149	149	180	11.8	7.5
Total Electric Industry	**1,886**	**2,359**	**2,292**	**2,267**	**2,268**	**2,311**	**2,358**	**2,414**	**100.0**	**100.0**
Coal	22	213	202	202	202	180	180	180	1.2	7.5
Petroleum	1,616	1,874	1,867	1,882	1,882	1,949	1,994	2,019	85.7	83.6
Other Gases	8	8	9	9	9	9	9	9	0.4	0.4
Hydroelectric	18	28	25	23	22	22	24	24	0.9	1.0
Other Renewables	223	237	188	150	153	151	151	182	11.8	7.6

See footnotes at end of tables.

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatthours)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Hawaii										
Electric Utilities	**7,996,096**	**6,190,584**	**6,383,088**	**7,513,051**	**6,493,205**	**6,982,469**	**6,915,159**	**7,040,473**	**82.4**	**60.9**
Petroleum	7,967,354	6,174,627	6,362,846	7,502,913	6,489,565	6,971,259	6,904,293	7,015,977	82.1	60.7
Hydroelectric	22,743	15,957	18,132	8,533	2,078	9,724	9,169	23,656	0.2	0.2
Other Renewables	5,999	-	2,110	1,605	1,562	1,486	1,697	840	0.1	*
Independent Power Producers and Combined Heat and Power	**1,706,656**	**4,113,399**	**4,250,005**	**4,150,019**	**4,483,166**	**4,427,934**	**4,607,646**	**4,518,701**	**17.6**	**39.1**
Coal	2,381	1,561,204	1,604,764	1,545,797	1,644,137	1,603,811	1,631,250	1,548,598	*	13.4
Petroleum	768,508	1,504,368	1,860,978	1,964,077	2,012,985	1,980,543[R]	2,172,134[R]	2,047,281	7.9	17.7
Other Gases	16,163	69,307	37,855	40,816	40,251	40,794	30,983	33,971	0.2	0.3
Hydroelectric	56,773	81,853	82,618	86,535	88,427	84,177	87,019	96,431	0.6	0.8
Other Renewables	862,831	894,548	494,312	369,313	525,469	548,125	537,250	616,802	8.9	5.3
Other	-	2,119	169,478	143,481	171,897	170,483	149,011	175,617	-	1.5
Total Electric Industry	**9,702,752**	**10,303,983**	**10,633,093**	**11,663,070**	**10,976,371**	**11,410,403**	**11,522,805**	**11,559,174**	**100.0**	**100.0**
Coal	2,381	1,561,204	1,604,764	1,545,797	1,644,137	1,603,811	1,631,250	1,548,598	*	13.4
Petroleum	8,735,862	7,678,995	8,223,824	9,466,990	8,502,550	8,951,802[R]	9,076,427[R]	9,063,258	90.0	78.4
Other Gases	16,163	69,307	37,855	40,816	40,251	40,794	30,983	33,971	0.2	0.3
Hydroelectric	79,516	97,810	100,750	95,068	90,505	93,901	96,188	120,087	0.8	1.0
Other Renewables	868,830	894,548	496,422	370,918	527,031	549,611	538,947	617,642	9.0	5.3
Other	-	2,119	169,478	143,481	171,897	170,483	149,011	175,617	-	1.5

See footnotes at end of tables.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1990, 1995, and 2001 Through 2006

Fuel, Quality	1990	1995	2001	2002	2003	2004	2005	2006
Hawaii								
Coal (cents per million Btu)	-	-	-	W	W	W	W	W
Average heat value (Btu per pound)	-	-	-	11,536	11,422	11,097	10,975	10,943
Average sulfur Content (percent)	-	-	-	0.32	0.44	0.49	0.55	0.51
Petroleum (cents per million Btu)	415	298	490	W	W	W	W	W
Average heat value (Btu per gallon)	148,881	149,390	146,429	139,410	140,581	140,629	135,093	134,674
Average sulfur Content (percent)	0.46	0.42	0.46	0.44	0.42	0.45	0.34	0.33

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1990, 1995, and 2001 Through 2006
(Thousand Metric Tons)

Emission Type	1990	1995	2001	2002	2003	2004	2005	2006
Hawaii								
Sulfur Dioxide								
Coal	*	4	1	2	1	1	1	1
Petroleum	35	25	24	20	21	22	20	21
Other	*	*	*	*	*	*	*	*
Total	35	29	26	23	23	24	21	22
Nitrogen Oxide								
Coal	*	6	1	3	1	1	1	1
Petroleum	14	9	24	28	25	26	27	27
Other	1	1	1	1	2	2	1	1
Total	15	16	27	32	28	29	30	29
Carbon Dioxide								
Coal	6	1,599	1,638	1,596	1,700	1,711	1,575	1,513
Petroleum	7,743	6,397	6,713	7,462	6,738	7,173	7,268	7,305
Geothermal	-	6	5	2	5	5	6	5
Other Renewables	234	263	351	183	209	210	182	213
Total	7,983	8,264	8,708	9,243	8,652	9,100	9,031	9,036

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1990, 1995, and 2001 Through 2006

Sector	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Hawaii										
Retail Sales (thousand megawatthours)										
Residential	2,324	2,606	2,802	2,898	3,028	3,162	3,164	3,182	28.0	30.1
Commercial	2,194	2,721	3,129	3,168	3,517	3,632	3,463	3,490	26.4	33.0
Industrial	3,734	3,803	3,790	3,770	3,846	3,937	3,912	3,896	44.9	36.9
Other	58	57	63	55	NA	NA	NA	NA	0.7	NA
All Sectors	8,311	9,188	9,785	9,892	10,391	10,732	10,539	10,568	100.0	100.0
Retail Revenue (million dollars)										
Residential	238	347	458	453	507	571	655	743	31.8	33.9
Commercial	223	331	464	447	528	588	659	748	29.8	34.1
Industrial	283	352	443	415	469	526	618	700	37.7	31.9
Other	5	7	11	9	NA	NA	NA	NA	0.7	NA
All Sectors	750	1,038	1,374	1,325	1,504	1,685	1,932	2,190	100.0	100.0
Average Retail Prices (cents/KWh)										
Residential	10.26	13.32	16.34	15.63	16.73	18.06	20.70	23.35	NA	NA
Commercial	10.18	12.16	14.81	14.11	15.02	16.19	19.04	21.42	NA	NA
Industrial	7.57	9.27	11.68	11.02	12.20	13.35	15.79	17.96	NA	NA
Other	9.40	12.11	16.81	16.85	NA	NA	NA	NA	NA	NA
All Sectors	9.02	11.29	14.05	13.39	14.47	15.70	18.33	20.72	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2006

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Hawaii								
Number of Entities	3	NA	NA	1	NA	NA	NA	4
Number of Retail Customers	432,737	NA	NA	30,878	NA	NA	NA	463,615
Retail Sales (thousand megawatthours)	10,116	NA	NA	452	NA	NA	NA	10,568
Percentage of Retail Sales	95.72	NA	NA	4.28	NA	NA	NA	100.00
Revenue from Retail Sales (million dollars)	2,044	NA	NA	146	NA	NA	NA	2,190
Percentage of Revenue	93.34	NA	NA	6.66	NA	NA	NA	100.00
Average Retail Price (cents/kWh)	20.21	NA	NA	32.27	NA	NA	NA	20.72

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 services. 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.

Table 10. Supply and Disposition of Electricity, 1990, 1995, and 2001 Through 2006
(Million Kilowatthours)

Category	1990	1995	2001	2002	2003	2004	2005	2006
Hawaii								
Supply								
Generation								
Electric Utilities	7,996	6,191	6,383	7,513	6,493	6,982	6,915	7,040
Independent Power Producers	386	641	521	400	551	267	280	349
Combined Heat and Power, Electric	542	2,809	3,225	3,289	3,640	3,568	3,769	3,566
Electric Power Sector Generation Subtotal	**8,924**	**9,640**	**10,129**	**11,202**	**10,685**	**10,818**	**10,964**	**10,956**
Combined Heat and Power, Commercial	-	-	-	-	-	325	293	339
Combined Heat and Power, Industrial	779	664	504	461	292	267	266	264
Industrial and Commercial Generation Subtotal	**779**	**664**	**504**	**461**	**292**	**593**	**559**	**603**
Total Net Generation	**9,703**	**10,304**	**10,633**	**11,663**	**10,976**	**11,410**	**11,523**	**11,559**
Total Supply	**9,703**	**10,304**	**10,633**	**11,663**	**10,976**	**11,410**	**11,523**	**11,559**
Disposition								
Retail Sales								
Full Service Providers	8,311	9,188	9,785	9,892	10,206	10,510	10,539	10,568
Facility Direct Retail Sales	-	-	-	-	184	221	*	-
Total Electric Industry Retail Sales	**8,311**	**9,188**	**9,785**	**9,892**	**10,391**	**10,732**	**10,539**	**10,568**
Direct Use	**558**	**572**	**464**	**474**	**480**	**481**	**398**	**365**
Estimated Losses	**623**	**697**	**366**	**517**	**461**	**523**	**643**	**681**
Total Disposition	**9,491**	**10,457**	**10,614**	**10,883**	**11,332**	**11,735**	**11,580**	**11,614**
Net Interstate Trade	**211**	**-153**	**19**	**780**	**-355**	**-325**	**-57**	**-55**
Net Trade Index (ratio)	**1.02**	**0.99**	**1.00**	**1.07**	**0.97**	**0.97**	**1.00**	**1.00**

R = Revised.
NA = Not applicable; NM = Not meaningful.
W = Withheld to avoid disclosure of individual company data.
- = Data not available.
* = 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 10 Notes: Estimated Losses are reported at the utility level, and then allocated to States based on the utility's retail sales by State. Reported losses may include electricity unaccounted for by the utility. Net Interstate Trade represents the difference between the amount of electricity produced in the State and consumed in the State. Positive values indicate a State that is a net interstate exporter of electricity; negative values indicate a State that is a net interstate importer of electricity. The Net Trade Index represents a State's electricity self-sufficiency. Values greater than 1 indicate that, on an annual net basis, the State supplied electricity consumed outside the State; values less than 1 indicate that, on an annual net basis, the State consumed electricity produced outside the State.
General Notes: Table 4 "Other Renewables" includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. The "Other" category includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. However, Table 5 "Other Renewables" includes only biogenic municipal solid waste, in addition to wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. In Table 5 "Other" includes Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. In Table 7, "Other Renewables" emissions include biogenic municipal solid waste, and other renewable 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.

Table 1. 2006 Summary Statistics

Item	Value	U.S. Rank
Idaho		
NERC Region(s)		**WECC**
Primary Energy Source		**Hydroelectric**
Net Summer Capacity (megawatts)	**3,210**	**45**
Electric Utilities	2,558	37
Independent Power Producers & Combined Heat and Power	652	44
Net Generation (megawatthours)	**13,386,085**	**44**
Electric Utilities	10,495,090	36
Independent Power Producers & Combined Heat and Power	2,890,995	41
Emissions (thousand metric tons)		
Sulfur Dioxide	5	47
Nitrogen Oxide	2	49
Carbon Dioxide	875	49
Sulfur Dioxide (lbs/MWh)	0.7	44
Nitrogen Oxide (lbs/MWh)	0.3	50
Carbon Dioxide (lbs/MWh)	144	50
Total Retail Sales (megawatthours)	**22,761,749**	**38**
Full Service Provider Sales (megawatthours)	22,761,749	38
Direct Use (megawatthours)	**604,855**	**33**
Average Retail Price (cents/kWh)	**4.92**	**51**

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capacity, 2006

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
Idaho			
1. Brownlee	Hydroelectric	Idaho Power Co	562
2. Dworshak	Hydroelectric	USCE-North Pacific Division	400
3. Cabinet Gorge	Hydroelectric	Avista Corp	276
4. Rathdrum Power LLC	Gas	Rathdrum Operating Services Co., Inc.	248
5. Palisades	Hydroelectric	U S Bureau of Reclamation	176
6. Bennett Mountain	Gas	Idaho Power Co	164
7. Rathdrum	Gas	Avista Corp	136
8. C J Strike	Hydroelectric	Idaho Power Co	89
9. Lucky Peak Power Plant Project	Hydroelectric	Boise-Kuna Irrigation District	83
10. Bliss	Hydroelectric	Idaho Power Co	80

See footnotes at end of tables.

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2006
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
Idaho						
1. Idaho Power Co	Investor-Owned	13,235,964	4,868,384	3,612,436	4,755,144	-
2. Avista Corp	Investor-Owned	3,375,278	1,145,935	985,356	1,243,987	-
3. PacifiCorp	Investor-Owned	3,331,578	677,539	403,024	2,251,015	-
4. Idaho Falls City of	Public	681,069	282,822	304,733	93,514	-
5. Kootenai Electric Coop Inc	Cooperative	389,236	263,823	101,954	23,459	-
Total Sales, Top Five Providers		21,013,125	7,238,503	5,407,503	8,367,119	-
Percent of Total State Sales		92	90	93	94	-

See footnotes at end of tables.

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatts)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Idaho										
Electric Utilities	**2,282**	**2,559**	**2,659**	**2,690**	**2,439**	**2,394**	**2,558**	**2,558**	**87.9**	**79.7**
Petroleum	56	6	5	5	5	5	5	5	2.1	0.2
Natural Gas	-	136	212	212	212	212	376	376	-	11.7
Hydroelectric	2,227	2,418	2,441	2,472	2,221	2,176	2,176	2,176	85.8	67.8
Independent Power Producers and Combined Heat and Power	**314**	**415**	**577**	**574**	**563**	**592**	**602**	**652**	**12.1**	**20.3**
Coal	12	18	15	16	17	17	17	17	0.5	0.5
Natural Gas	-	-	269	269	269	269	269	269	-	8.4
Hydroelectric	218	251	197	193	193	214	214	201	8.4	6.3
Other Renewables	69	130	81	81	70	77	88	150	2.7	4.7
Other	15	15	15	15	15	15	15	15	0.6	0.5
Total Electric Industry	**2,596**	**2,974**	**3,236**	**3,264**	**3,002**	**2,986**	**3,160**	**3,210**	**100.0**	**100.0**
Coal	12	18	15	16	17	17	17	17	0.5	0.5
Petroleum	56	6	5	5	5	5	5	5	2.1	0.2
Natural Gas	-	136	481	481	481	481	645	645	-	20.1
Hydroelectric	2,444	2,669	2,638	2,665	2,414	2,391	2,390	2,378	94.1	74.1
Other Renewables	69	130	81	81	70	77	88	150	2.7	4.7
Other	15	15	15	15	15	15	15	15	0.6	0.5

See footnotes at end of tables.

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatthours)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Idaho										
Electric Utilities	**8,617,977**	**10,062,854**	**6,666,589**	**8,164,140**	**7,732,812**	**7,765,655**	**8,032,438**	**10,495,090**	**88.9**	**78.4**
Petroleum	615	311	3,723	65	116	136	5	144	*	*
Natural Gas	-	-	-	76,168	61,229	27,775	73,353	94,504	-	0.7
Hydroelectric	8,617,362	10,062,543	6,662,866	8,087,907	7,671,467	7,737,744	7,959,080	10,400,442	88.9	77.7
Independent Power Producers and Combined Heat and Power	**1,073,498**	**1,781,751**	**2,680,352**	**1,622,793**	**2,690,124**	**3,097,384**	**2,792,546**	**2,890,995**	**11.1**	**21.6**
Coal	44,371	47,527	72,284	90,673	90,290	100,100	95,181	82,302	0.5	0.6
Petroleum	379	253	-	-	-	-	-	-	*	-
Natural Gas	55,714	167,292	1,405,286	252,820	1,313,591	1,682,517	1,476,814	1,194,584	0.6	8.9
Hydroelectric	497,628	926,791	560,260	681,414	682,567	723,911	583,041	841,930	5.1	6.3
Other Renewables	410,203	549,608	533,335	508,303	540,953	573,736	577,040	699,215	4.2	5.2
Other	65,203	90,280	109,187	89,583	62,722	17,119	60,469	72,964	0.7	0.5
Total Electric Industry	**9,691,475**	**11,844,605**	**9,346,941**	**9,786,933**	**10,422,936**	**10,863,039**	**10,824,984**	**13,386,085**	**100.0**	**100.0**
Coal	44,371	47,527	72,284	90,673	90,290	100,100	95,181	82,302	0.5	0.6
Petroleum	994	564	3,723	65	116	136	5	144	*	*
Natural Gas	55,714	167,292	1,405,286	328,988	1,374,820	1,710,292	1,550,167	1,289,088	0.6	9.6
Hydroelectric	9,114,990	10,989,334	7,223,126	8,769,321	8,354,034	8,461,655	8,542,121	11,242,372	94.1	84.0
Other Renewables	410,203	549,608	533,335	508,303	540,953	573,736	577,040	699,215	4.2	5.2
Other	65,203	90,280	109,187	89,583	62,722	17,119	60,469	72,964	0.7	0.5

See footnotes at end of tables.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1990, 1995, and 2001 Through 2006

Fuel, Quality	1990	1995	2001	2002	2003	2004	2005	2006
Idaho								
Natural Gas (cents per million Btu)	-	-	-	W	W	W	W	W
Average heat value (Btu per cubic foot)	-	-	-	1,020	1,018	1,024	1,015	1,021

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1990, 1995, and 2001 Through 2006
(Thousand Metric Tons)

Emission Type	1990	1995	2001	2002	2003	2004	2005	2006
Idaho								
Sulfur Dioxide								
Coal	6	5	1	3	3	4	2	2
Petroleum	*	-	*	*	-	-	-	-
Natural Gas	*	*	*	*	*	*	*	*
Other	3	3	3	3	3	3	3	3
Total	9	8	4	6	6	7	5	5
Nitrogen Oxide								
Coal	2	1	*	2	2	2	1	1
Petroleum	*	*	*	*	*	*	*	*
Natural Gas	*	1	1	1	1	1	1	*
Other	1	1	1	1	1	1	1	1
Total	3	3	2	3	3	4	2	2
Carbon Dioxide								
Coal	312	321	266	460	498	484	493	277
Petroleum	2	1	3	*	*	*	*	*
Natural Gas	170	377	825	307	606	812	841	598
Other Renewables	-	42	-	-	-	-	-	-
Total	485	741	1,094	767	1,104	1,296	1,334	875

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1990, 1995, and 2001 Through 2006

Sector	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Idaho										
Retail Sales (thousand megawatthours)										
Residential	5,626	6,193	6,906	7,056	7,090	7,314	7,601	8,057	31.3	35.4
Commercial	4,894	5,291	6,543	6,963	5,466	5,484	5,615	5,813	27.2	25.5
Industrial	7,165	7,843	7,305	6,352	8,663	9,011	8,636	8,891	39.8	39.1
Other	318	293	342	329	NA	NA	NA	NA	1.8	NA
All Sectors	18,003	19,620	21,096	20,700	21,219	21,809	21,853	22,762	100.0	100.0
Retail Revenue (million dollars)										
Residential	274	330	415	465	443	446	478	500	40.0	44.6
Commercial	208	237	336	398	304	294	304	300	30.4	26.7
Industrial	188	220	271	276	360	344	337	321	27.4	28.6
Other	15	15	16	17	NA	NA	NA	NA	2.2	NA
All Sectors	685	802	1,037	1,156	1,107	1,085	1,120	1,121	100.0	100.0
Average Retail Prices (cents/KWh)										
Residential	4.87	5.33	6.01	6.59	6.24	6.10	6.29	6.21	NA	NA
Commercial	4.25	4.48	5.13	5.71	5.56	5.37	5.42	5.16	NA	NA
Industrial	2.62	2.81	3.71	4.34	4.16	3.82	3.91	3.61	NA	NA
Other	4.65	5.13	4.66	5.18	NA	NA	NA	NA	NA	NA
All Sectors	3.80	4.09	4.92	5.58	5.22	4.97	5.12	4.92	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2006

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Idaho								
Number of Entities	3	11	NA	16	NA	NA	NA	30
Number of Retail Customers	629,250	40,747	NA	76,464	NA	NA	NA	746,461
Retail Sales (thousand megawatthours)	19,943	1,074	NA	1,745	NA	NA	NA	22,762
Percentage of Retail Sales	87.62	4.72	NA	7.67	NA	NA	NA	100.00
Revenue from Retail Sales (million dollars)	941	67	NA	112	NA	NA	NA	1,121
Percentage of Revenue	84.02	6.02	NA	9.96	NA	NA	NA	100.00
Average Retail Price (cents/kWh)	4.72	6.28	NA	6.39	NA	NA	NA	4.92

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 services. 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.

Table 10. Supply and Disposition of Electricity, 1990, 1995, and 2001 Through 2006

(Million Kilowatthours)

Category	1990	1995	2001	2002	2003	2004	2005	2006
Idaho								
Supply								
Generation								
Electric Utilities	8,618	10,063	6,667	8,164	7,733	7,766	8,032	10,495
Independent Power Producers	498	927	1,696	681	1,788	2,175	1,895	2,042
Combined Heat and Power, Electric	81	79	201	245	245	248	240	214
Electric Power Sector Generation Subtotal	**9,197**	**11,069**	**8,564**	**9,090**	**9,765**	**10,188**	**10,167**	**12,751**
Combined Heat and Power, Industrial	495	776	783	697	658	675	658	635
Industrial and Commercial Generation Subtotal	**495**	**776**	**783**	**697**	**658**	**675**	**658**	**635**
Total Net Generation	**9,691**	**11,845**	**9,347**	**9,787**	**10,423**	**10,863**	**10,825**	**13,386**
Total International Imports	**106**	**3**	**5**	**1**	**2**	**33**	**89**	**40**
Total Supply	**9,798**	**11,847**	**9,352**	**9,788**	**10,425**	**10,896**	**10,914**	**13,426**
Disposition								
Retail Sales								
Full Service Providers	18,003	19,620	21,096	20,700	21,214	21,767	21,853	22,762
Energy-Only Providers	-	-	-	-	-	41	-	-
Facility Direct Retail Sales	-	-	-	-	5	-	-	-
Total Electric Industry Retail Sales	**18,003**	**19,620**	**21,096**	**20,700**	**21,219**	**21,809**	**21,853**	**22,762**
Direct Use	**431**	**717**	**687**	**702**	**710**	**711**	**550**	**605**
Total International Exports	**-**	**-**	**4**	**1**	**-**	**-**	**-**	**-**
Estimated Losses	**1,350**	**1,489**	**1,520**	**1,780**	**1,825**	**1,968**	**1,917**	**2,073**
Total Disposition	**19,785**	**21,827**	**23,307**	**23,181**	**23,754**	**24,488**	**24,320**	**25,440**
Net Interstate Trade	**-9,987**	**-9,979**	**-13,956**	**-13,394**	**-13,329**	**-13,592**	**-13,406**	**-12,014**
Net Trade Index (ratio)	**0.50**	**0.54**	**0.40**	**0.42**	**0.44**	**0.44**	**0.45**	**0.53**

R = Revised.
NA = Not applicable; NM = Not meaningful.
W = Withheld to avoid disclosure of individual company data.
- = Data not available.
* = 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 10 Notes: Estimated Losses are reported at the utility level, and then allocated to States based on the utility's retail sales by State. Reported losses may include electricity unaccounted for by the utility. Net Interstate Trade represents the difference between the amount of electricity produced in the State and consumed in the State. Positive values indicate a State that is a net interstate exporter of electricity; negative values indicate a State that is a net interstate importer of electricity. The Net Trade Index represents a State's electricity self-sufficiency. Values greater than 1 indicate that, on an annual net basis, the State supplied electricity consumed outside the State; values less than 1 indicate that, on an annual net basis, the State consumed electricity produced outside the State.
General Notes: Table 4 "Other Renewables" includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. The "Other" category includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. However, Table 5 "Other Renewables" includes only biogenic municipal solid waste, in addition to wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. In Table 5 "Other" includes Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. In Table 7, "Other Renewables" emissions include biogenic municipal solid waste, and other renewable 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.

Table 1. 2006 Summary Statistics

Item	Value	U.S. Rank
Illinois		
NERC Region(s)		**RFC/SERC**
Primary Energy Source		**Nuclear**
Net Summer Capacity (megawatts)	**42,289**	**5**
Electric Utilities	4,742	34
Independent Power Producers & Combined Heat and Power	37,547	3
Net Generation (megawatthours)	**192,426,958**	**5**
Electric Utilities	11,094,235	35
Independent Power Producers & Combined Heat and Power	181,332,723	3
Emissions (thousand metric tons)		
Sulfur Dioxide	309	12
Nitrogen Oxide	122	9
Carbon Dioxide	99,479	6
Sulfur Dioxide (lbs/MWh)	3.5	28
Nitrogen Oxide (lbs/MWh)	1.4	38
Carbon Dioxide (lbs/MWh)	1,140	37
Total Retail Sales (megawatthours)	**142,447,811**	**6**
Full Service Provider Sales (megawatthours)	115,937,725	8
Deregulated Sales (megawatthours)	26,510,086	2
Direct Use (megawatthours)	**3,606,139**	**9**
Average Retail Price (cents/kWh)	**7.07**	**31**

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capacity, 2006

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
Illinois			
1. Braidwood Generation Station	Nuclear	Exelon Generation Co LLC	2,330
2. Byron Generating Station	Nuclear	Exelon Generation Co LLC	2,300
3. LaSalle Generating Station	Nuclear	Exelon Generation Co LLC	2,238
4. Baldwin Energy Complex	Coal	Dynegy Midwest Generation Inc	1,764
5. Dresden Generating Station	Nuclear	Exelon Generation Co LLC	1,734
5. Quad Cities Generating Station	Nuclear	Exelon Generation Co LLC	1,734
7. Powerton	Coal	Midwest Generations EME LLC	1,538
8. Elwood Energy LLC	Gas	Dominion Elwood Services Co	1,350
9. Kincaid Generation LLC	Coal	Dominion Energy Services Co	1,168
10. Kendall County Generation Facility	Gas	LSP-Kendall Energy LLC	1,140

See footnotes at end of tables.

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2006
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
Illinois						
1. Commonwealth Edison Co	Investor-Owned	69,775,911	28,330,120	28,354,240	12,593,787	497,764
2. Illinois Power Co	Investor-Owned	16,662,603	5,658,054	5,910,884	5,093,577	88
3. Central Illinois Pub Serv Co	Investor-Owned	12,129,065	3,783,958	4,096,416	4,227,558	21,133
4. Constellation NewEnergy, Inc	Other Provider	8,553,010	-	1,978,535	6,574,475	-
5. Exelon Energy Company	Other Provider	6,360,958	-	6,360,958	-	-
Total Sales, Top Five Providers		113,481,547	37,772,132	46,701,033	28,489,397	518,985
Percent of Total State Sales		78	81	80	71	100

See footnotes at end of tables.

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatts)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Illinois										
Electric Utilities	**32,602**	**33,139**	**4,420**	**4,151**	**3,007**	**2,994**	**3,987[R]**	**4,742**	**98.3**	**11.2**
Coal	14,912	14,916	2,862	2,862	1,866	1,859	1,844	1,844	45.0	4.4
Petroleum	4,480[R]	2,645[R]	700	406	368	401	399	399	13.5	0.9
Natural Gas	591[R]	2,963[R]	846	871	761	722	1,729[R]	2,485	1.8	5.9
Nuclear	12,609	12,609	-	-	-	-	-	-	38.0	-
Hydroelectric	10	6	12	12	12	12	13[R]	13	*	*
Other Renewables	-	-	-	-	-	-	2	2	-	*
Independent Power Producers and Combined Heat and Power	**548**	**693**	**35,648**	**40,558**	**42,534**	**39,038**	**38,542[R]**	**37,547**	**1.7**	**88.8**
Coal	266	352	12,937	12,792	13,795	13,832	13,945	13,887	0.8	32.8
Petroleum	10	2	1,016	1,013	930	754	754	744	*	1.8
Natural Gas	193	241	10,511	15,240	16,071	12,800	12,138[R]	11,220	0.6	26.5
Other Gases	45	50	33	40	40	47	47	47	0.1	0.1
Nuclear	-	-	10,963	11,312	11,465	11,379	11,388	11,379	-	26.9
Hydroelectric	17	18	23	9	21	21	20[R]	20	0.1	*
Other Renewables	18	31	125[R]	135[R]	193[R]	184[R]	231[R]	230	0.1	0.5
Other	-	-	40[R]	19[R]	20[R]	20[R]	20[R]	20	-	*
Total Electric Industry	**33,151**	**33,832**	**40,068**	**44,709**	**45,541**	**42,032**	**42,530**	**42,289**	**100.0**	**100.0**
Coal	15,178	15,268	15,799	15,654	15,661	15,691	15,789	15,731	45.8	37.2
Petroleum	4,490[R]	2,647[R]	1,716	1,418	1,298	1,155	1,154	1,143	13.5	2.7
Natural Gas	785[R]	3,204[R]	11,357	16,111	16,832	13,522	13,867	13,705	2.4	32.4
Other Gases	45	50	33	40	40	47	47	47	0.1	0.1
Nuclear	12,609	12,609	10,963	11,312	11,465	11,379	11,388	11,379	38.0	26.9
Hydroelectric	26	24	35	21	33	33	33	33	0.1	0.1
Other Renewables	18	31	125[R]	135[R]	193[R]	184[R]	232[R]	231	0.1	0.5
Other	-	-	40[R]	19[R]	20[R]	20[R]	20[R]	20	-	*

See footnotes at end of tables.

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatthours)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Illinois										
Electric Utilities	**126,977,389**	**145,165,161**	**29,835,014**	**17,149,913**	**9,563,746**	**19,184,751**	**10,767,684**	**11,094,235**	**98.1**	**5.8**
Coal	53,865,768	62,735,936	29,124,508	16,897,445	9,390,702	18,923,288	10,103,378	10,622,870	41.6	5.5
Petroleum	422,553	888,462	99,445	34,464	48,792	120,725	137,746	45,626	0.3	*
Natural Gas	740,926	2,944,310	546,305	161,134	53,174	62,240	456,421	325,382	0.6	0.2
Nuclear	71,887,302	78,480,848	-	-	-	-	-	-	55.6	-
Hydroelectric	60,840	47,699	56,802	56,870	71,078	72,165	61,879	84,682	*	*
Other Renewables	-	67,906	4,534	-	-	6,333	8,260	15,675	-	*
Other	-	-	3,420	-	-	-	-	-	-	-
Independent Power Producers and Combined Heat and Power	**2,415,082**	**3,492,770**	**149,414,271**	**170,904,536**	**179,491,514**	**172,773,028**	**183,352,462**	**181,332,723**	**1.9**	**94.2**
Coal	1,100,250	1,679,894	50,426,129	69,787,902	78,590,647	75,462,185	82,160,894	81,009,107	0.9	42.1
Petroleum	16,031	34,042	1,406,560	188,219	1,072,125	629,926	188,278	88,657	*	*
Natural Gas	678,965	1,030,068	4,059,988	8,917,601	3,849,288	3,314,532	6,659,888	4,979,794	0.5	2.6
Other Gases	381,562	396,906	355,776	232,850	203,627	290,522	198,788[R]	140,890	0.3	0.1
Nuclear	-	-	92,358,477	90,860,108	94,733,036	92,047,323	93,263,001	94,154,140	-	48.9
Hydroelectric	83,086	76,237	87,225	71,952	67,422	81,364	67,158	88,590	0.1	*
Other Renewables	155,188	275,623	674,036	723,508	818,951	815,536	774,663[R]	833,178	0.1	0.4
Other	-	-	46,080	122,396	156,418	131,640	39,792	38,366	-	*
Total Electric Industry	**129,392,471**	**148,657,931**	**179,249,285**	**188,054,449**	**189,055,260**	**191,957,779**	**194,120,146**	**192,426,958**	**100.0**	**100.0**
Coal	54,966,018	64,415,830	79,550,637	86,685,347	87,981,349	94,385,473	92,264,272	91,631,977	42.5	47.6
Petroleum	438,584	922,504	1,506,005	222,683	1,120,917	750,651	326,024	134,283	0.3	0.1
Natural Gas	1,419,891	3,974,378	4,606,293	9,078,735	3,902,462	3,376,772	7,116,309	5,305,176	1.1	2.8
Other Gases	381,562	396,906	355,776	232,850	203,627	290,522	198,788[R]	140,890	0.3	0.1
Nuclear	71,887,302	78,480,848	92,358,477	90,860,108	94,733,036	92,047,323	93,263,001	94,154,140	55.6	48.9
Hydroelectric	143,926	123,936	144,027	128,822	138,500	153,529	129,037	173,272	0.1	0.1
Other Renewables	155,188	343,529	678,569	723,508	818,951	821,869	782,923[R]	848,853	0.1	0.4
Other	-	-	49,501	122,396	156,418	131,640	39,792	38,366	-	*

See footnotes at end of tables.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1990, 1995, and 2001 Through 2006

Fuel, Quality	1990	1995	2001	2002	2003	2004	2005	2006
Illinois								
Coal (cents per million Btu)	175	163	119	119	116	115	119	126
Average heat value (Btu per pound)	10,789	9,970	9,555	9,253	9,176	9,120	9,015	8,937
Average sulfur Content (percent)	2.07	1.14	1.10	0.70	0.66	0.65	0.62	0.53
Petroleum (cents per million Btu)	395	232	579	524	540	464	1,286	1,465
Average heat value (Btu per gallon)	148,831	124,129	153,333	140,345	147,876	143,595	137,405	141,102
Average sulfur Content (percent)	0.62	1.80	0.27	0.15	0.48	1.91	0.72	0.23
Natural Gas (cents per million Btu)	267	168	368	343	567	638	873	717
Average heat value (Btu per cubic foot)	1,021	1,016	1,010	1,022	1,016	1,013	1,019	1,021

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1990, 1995, and 2001 Through 2006
(Thousand Metric Tons)

Emission Type	1990	1995	2001	2002	2003	2004	2005	2006
Illinois								
Sulfur Dioxide								
Coal	845	599	402	367	369	384	351	308
Petroleum	4	13	7	1	4	2	1	*
Natural Gas	*	*	*	*	*	*	*	*
Other	-	*	*	1	1	1	*	*
Total	849	612	409	369	374	387	351	309
Nitrogen Oxide								
Coal	330	373	188	164	137	136	121	113
Petroleum	1	2	2	*	2	1	*	*
Natural Gas	4	7	8	9	6	6	4	5
Other	1	2	7	6	6	6	6	4
Total	336	384	205	179	151	149	131	122
Carbon Dioxide								
Coal	57,617	68,051	87,039	90,004	90,908	97,791	96,292	96,197
Petroleum	1,064	1,100	1,523	211	1,111	794	358	138
Natural Gas	1,344	3,458	3,162	5,285	2,778	2,528	4,077	3,069
Other Renewables	-	113	71	129	160	134	63	76
Total	60,024	72,723	91,795	95,629	94,957	101,246	100,791	99,479

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1990, 1995, and 2001 Through 2006

Sector	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Illinois										
Retail Sales (thousand megawatthours)										
Residential	32,871	38,386	41,820	45,030	43,161	43,443	48,593	46,381	29.5	32.6
Commercial	31,734	37,217	43,135	44,244	49,561	47,358	49,977	50,631	28.4	35.5
Industrial	39,299	42,251	40,780	39,288	43,042	48,008	45,888	44,916	35.2	31.5
Other	7,672	8,377	10,298	9,886	NA	NA	NA	NA	6.9	NA
Transportation	NA	NA	NA	NA	484	445	528	519	NA	0.4
All Sectors	111,577	126,231	136,034	138,447	136,248	139,254	144,986	142,448	100.0	100.0
Retail Revenue (million dollars)										
Residential	3,260	3,982	3,645	3,778	3,616	3,638	4,055	3,907	39.0	38.8
Commercial	2,465	2,933	3,194	3,326	3,618	3,570	3,875	4,025	29.5	40.0
Industrial	2,122	2,227	1,896	1,920	2,092	2,232	2,115	2,106	25.4	20.9
Other	514	570	656	581	NA	NA	NA	NA	6.1	NA
Transportation	NA	NA	NA	NA	28	25	30	29	NA	0.3
All Sectors	8,361	9,712	9,391	9,605	9,353	9,465	10,074	10,067	100.0	100.0
Average Retail Prices (cents/KWh)										
Residential	9.92	10.37	8.71	8.39	8.38	8.37	8.34	8.42	NA	NA
Commercial	7.77	7.88	7.40	7.52	7.30	7.54	7.75	7.95	NA	NA
Industrial	5.40	5.27	4.65	4.89	4.86	4.65	4.61	4.69	NA	NA
Other	6.70	6.80	6.37	5.88	NA	NA	NA	NA	NA	NA
Transportation	NA	NA	NA	NA	5.87	5.70	5.61	5.59	NA	NA
All Sectors	7.49	7.69	6.90	6.94	6.86	6.80	6.95	7.07	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2006

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Illinois								
Number of Entities	8	41	NA	27	NA	12	5	93
Number of Retail Customers	5,054,110	261,602	NA	268,868	NA	10,948	NA	5,595,528
Retail Sales (thousand megawatthours)	103,954	6,917	NA	5,066	NA	26,510	NA	142,448
Percentage of Retail Sales	72.98	4.86	NA	3.56	NA	18.61	NA	100.00
Revenue from Retail Sales (million dollars)	7,602	485	NA	473	NA	1,186	322	10,067
Percentage of Revenue	75.51	4.81	NA	4.70	NA	11.78	3.20	100.00
Average Retail Price (cents/kWh)	7.19	7.01	NA	9.33	NA	4.47	1.21	7.07

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 services. 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.

Table 10. Supply and Disposition of Electricity, 1990, 1995, and 2001 Through 2006
(Million Kilowatthours)

Category	1990	1995	2001	2002	2003	2004	2005	2006
Illinois								
Supply								
Generation								
Electric Utilities	126,977	145,165	29,835	17,150	9,564	19,185	10,768	11,094
Independent Power Producers	210	280	145,621	166,769	175,640	168,824	179,260	177,412
Combined Heat and Power, Electric	38	34	833	863	582	551	618	593
Electric Power Sector Generation Subtotal	**127,225**	**145,479**	**176,289**	**184,782**	**185,786**	**188,560**	**190,646**	**189,099**
Combined Heat and Power, Commercial	70	288	248	390	301	579	506	498
Combined Heat and Power, Industrial	2,098	2,891	2,713	2,882	2,968	2,819	2,969	2,830
Industrial and Commercial Generation Subtotal	**2,168**	**3,179**	**2,961**	**3,272**	**3,270**	**3,398**	**3,474**	**3,328**
Total Net Generation	**129,392**	**148,658**	**179,249**	**188,054**	**189,055**	**191,958**	**194,120**	**192,427**
Total International Imports	**-**	**-**	**-**	**-**	**-**	**2**	**1**	**-**
Total Supply	**129,392**	**148,658**	**179,249**	**188,054**	**189,055**	**191,960**	**194,121**	**192,427**
Disposition								
Retail Sales								
Full Service Providers	111,577	126,231	124,264	121,879	114,604	111,671	117,048	115,938
Energy-Only Providers	-	-	11,770	16,568	21,177	27,067	27,938	26,510
Facility Direct Retail Sales	-	-	-	-	466	516	-	-
Total Electric Industry Retail Sales	**111,577**	**126,231**	**136,034**	**138,447**	**136,248**	**139,254**	**144,986**	**142,448**
Direct Use	**2,174**	**3,202**	**4,132**	**4,222**	**4,276**	**4,280**	**3,568**	**3,606**
Total International Exports	**-**	**-**	**-**	**125**	**160**	**18**	**19**	*****
Estimated Losses	**8,366**	**9,583**	**7,188**	**9,755**	**8,166**	**9,547**	**11,114**	**11,159**
Total Disposition	**122,116**	**139,016**	**147,354**	**152,549**	**148,850**	**153,099**	**159,687**	**157,214**
Net Interstate Trade	**7,276**	**9,642**	**31,895**	**35,505**	**40,206**	**38,861**	**34,434**	**35,213**
Net Trade Index (ratio)	**1.06**	**1.07**	**1.22**	**1.23**	**1.27**	**1.25**	**1.22**	**1.22**

R = Revised.
NA = Not applicable; NM = Not meaningful.
W = Withheld to avoid disclosure of individual company data.
- = Data not available.
* = 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 10 Notes: Estimated Losses are reported at the utility level, and then allocated to States based on the utility's retail sales by State. Reported losses may include electricity unaccounted for by the utility. Net Interstate Trade represents the difference between the amount of electricity produced in the State and consumed in the State. Positive values indicate a State that is a net interstate exporter of electricity; negative values indicate a State that is a net interstate importer of electricity. The Net Trade Index represents a State's electricity self-sufficiency. Values greater than 1 indicate that, on an annual net basis, the State supplied electricity consumed outside the State; values less than 1 indicate that, on an annual net basis, the State consumed electricity produced outside the State.
General Notes: Table 4 "Other Renewables" includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. The "Other" category includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. However, Table 5 "Other Renewables" includes only biogenic municipal solid waste, in addition to wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. In Table 5 "Other" includes Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. In Table 7, "Other Renewables" emissions include biogenic municipal solid waste, and other renewable 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.

Table 1. 2006 Summary Statistics

Item	Value	U.S. Rank
Indiana		
NERC Region(s)		**RFC**
Primary Energy Source		**Coal**
Net Summer Capacity (megawatts)	**26,990**	**13**
Electric Utilities	22,021	9
Independent Power Producers & Combined Heat and Power	4,968	19
Net Generation (megawatthours)	**130,489,788**	**10**
Electric Utilities	117,643,504	5
Independent Power Producers & Combined Heat and Power	12,846,284	22
Emissions (thousand metric tons)		
Sulfur Dioxide	758	3
Nitrogen Oxide	202	4
Carbon Dioxide	121,950	5
Sulfur Dioxide (lbs/MWh)	12.8	2
Nitrogen Oxide (lbs/MWh)	3.4	14
Carbon Dioxide (lbs/MWh)	2,060	5
Total Retail Sales (megawatthours)	**105,664,484**	**12**
Full Service Provider Sales (megawatthours)	105,664,484	10
Direct Use (megawatthours)	**7,524,962**	**4**
Average Retail Price (cents/kWh)	**6.46**	**42**

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capacity, 2006

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
Indiana			
1. Gibson	Coal	Duke Energy Indiana Inc	3,131
2. Rockport	Coal	Indiana Michigan Power Co	2,600
3. R M Schahfer	Coal	Northern Indiana Pub Serv Co	1,780
4. AES Petersburg	Coal	Indianapolis Power & Light Co	1,760
5. Clifty Creek	Coal	Indiana-Kentucky Electric Corp	1,196
6. Cayuga	Coal	Duke Energy Indiana Inc	1,104
7. Harding Street	Coal	Indianapolis Power & Light Co	1,102
8. PSEG Lawrenceburg Energy Facility	Gas	PSEG Lawrenceburg Engy Co LLC	1,080
9. Merom	Coal	Hoosier Energy R E C, Inc	1,000
10. Tanners Creek	Coal	Indiana Michigan Power Co	990

See footnotes at end of tables.

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2006
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
Indiana						
1. Duke Energy Indiana Inc	Investor-Owned	28,591,830	8,707,170	8,185,201	11,699,459	-
2. Northern Indiana Pub Serv Co	Investor-Owned	16,766,819	3,293,908	3,951,610	9,503,155	18,146
3. Indiana Michigan Power Co	Investor-Owned	15,976,015	4,580,373	4,371,832	7,023,810	-
4. Indianapolis Power & Light Co	Investor-Owned	14,715,841	5,027,223	1,994,693	7,693,925	-
5. Southern Indiana Gas & Elec Co	Investor-Owned	5,380,193	1,475,167	1,528,652	2,376,374	-
Total Sales, Top Five Providers		81,430,698	23,083,841	20,031,988	38,296,723	18,146
Percent of Total State Sales		77	71	84	77	100

See footnotes at end of tables.

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatts)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Indiana										
Electric Utilities	**20,588**	**20,712**	**20,616**	**20,802**	**21,016**	**21,126**	**22,017[R]**	**22,021**	**96.4**	**81.6**
Coal	19,556	18,844	18,734	18,530	18,400	18,426	18,455	18,428	91.6	68.3
Petroleum	492[R]	486	471	473	474	479	479	487	2.3	1.8
Natural Gas	473[R]	1,087	1,353	1,741	2,082	2,162	3,024[R]	3,024	2.2	11.2
Other Gases	-	228	-	-	-	-	-	-	-	-
Hydroelectric	66	68	58	59	59	59	60	60	0.3	0.2
Other Renewables	-	-	-	-	-	-	-[R]	22	-	0.1
Independent Power Producers and Combined Heat and Power	**768**	**812**	**3,553**	**4,450**	**4,626**	**5,608**	**4,966[R]**	**4,968**	**3.6**	**18.4**
Coal	206	236	723	1,410	1,416	1,290	1,290	1,290	1.0	4.8
Petroleum	8	13	11	10	10	11	11	16	*	0.1
Natural Gas	239	231	2,210	2,485	2,668	3,664	3,030[R]	3,028	1.1	11.2
Other Gases	307	318	589	525	512	624	617	626	1.4	2.3
Other Renewables	6	14	21	21	19	19	19[R]	9	*	*
Total Electric Industry	**21,356**	**21,524**	**24,169**	**25,252**	**25,641**	**26,734**	**26,984**	**26,990**	**100.0**	**100.0**
Coal	19,763	19,080	19,457	19,940	19,816	19,716	19,745	19,718	92.5	73.1
Petroleum	501[R]	499	482	483	484	490	490	503	2.3	1.9
Natural Gas	712[R]	1,318	3,562	4,226	4,750	5,826	6,054	6,052	3.3	22.4
Other Gases	307	546	589	525	512	624	617	626	1.4	2.3
Hydroelectric	66	68	58	59	59	59	60	60	0.3	0.2
Other Renewables	6	14	21	21	19	19	19	31	*	0.1

See footnotes at end of tables.

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatthours)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Indiana										
Electric Utilities	**97,738,497**	**105,188,892**	**114,666,355**	**112,029,989**	**112,395,725**	**114,690,471**	**117,373,699**	**117,643,504**	**96.4**	**90.2**
Coal	96,012,872	103,774,522	113,135,350	109,441,044	109,839,659	112,899,892	115,413,188	116,284,183	94.7	89.1
Petroleum	673,984	213,051	371,623	470,976	407,648	393,135	244,554	134,035	0.7	0.1
Natural Gas	610,620	734,058	588,690	1,706,699	1,724,465	953,723	1,277,675	561,780	0.6	0.4
Hydroelectric	441,021	467,261	570,692	411,270	423,953	443,721	438,282	489,515	0.4	0.4
Other Renewables	-	-	-	-	-	-	-	173,991	-	0.1
Independent Power Producers and Combined Heat and Power	**3,678,619**	**3,967,954**	**7,903,318**	**13,578,150**	**12,492,493**	**13,079,926**	**12,997,874**	**12,846,284**	**3.6**	**9.8**
Coal	912,682	913,544	2,931,162	8,218,656	7,916,625	7,741,075	7,403,831	7,361,529	0.9	5.6
Petroleum	194,054	129,570	119,859	146,156	47,640	57,026	34,484	29,527	0.2	*
Natural Gas	860,217	719,505	1,742,970	2,075,752	1,324,971	1,489,672	2,346,241	2,097,466	0.8	1.6
Other Gases	1,674,549	2,120,995	2,978,809	3,005,998	2,592,257	3,115,085	2,702,750	2,873,843	1.7	2.2
Other Renewables	37,117	84,340	114,580	115,946	119,138	137,515	67,779	46,323	*	*
Other	-	-	15,938	15,642	491,864	539,552	442,789	437,596	-	0.3
Total Electric Industry	**101,417,116**	**109,156,846**	**122,569,673**	**125,608,139**	**124,888,218**	**127,770,397**	**130,371,573**	**130,489,788**	**100.0**	**100.0**
Coal	96,925,554	104,688,066	116,066,512	117,659,700	117,756,284	120,640,967	122,817,019	123,645,712	95.6	94.8
Petroleum	868,038	342,621	491,482	617,132	455,288	450,161	279,038	163,562	0.9	0.1
Natural Gas	1,470,837	1,453,563	2,331,660	3,782,451	3,049,436	2,443,395	3,623,916	2,659,246	1.5	2.0
Other Gases	1,674,549	2,120,995	2,978,809	3,005,998	2,592,257	3,115,085	2,702,750	2,873,843	1.7	2.2
Hydroelectric	441,021	467,261	570,692	411,270	423,953	443,721	438,282	489,515	0.4	0.4
Other Renewables	37,117	84,340	114,580	115,946	119,138	137,515	67,779	220,314	*	0.2
Other	-	-	15,938	15,642	491,864	539,552	442,789	437,596	-	0.3

See footnotes at end of tables.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1990, 1995, and 2001 Through 2006

Fuel, Quality	1990	1995	2001	2002	2003	2004	2005	2006
Indiana								
Coal (cents per million Btu)	136	125	114	W	W	W	W	W
Average heat value (Btu per pound)	10,562	10,338	10,540	10,593	10,550	10,601	10,756	10,638
Average sulfur Content (percent)	2.06	1.57	1.43	1.48	1.50	1.53	1.72	1.61
Petroleum (cents per million Btu)	191	298	220	W	W	W	W	W
Average heat value (Btu per gallon)	89,740	115,914	149,762	142,836	138,660	135,267	139,405	139,621
Average sulfur Content (percent)	4.09	1.48	3.12	1.97	2.28	2.31	0.55	0.29
Natural Gas (cents per million Btu)	258	244	507	324	616	621	851	781
Average heat value (Btu per cubic foot)	1,002	1,021	1,050	1,016	1,014	1,011	1,018	1,043

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1990, 1995, and 2001 Through 2006
(Thousand Metric Tons)

Emission Type	1990	1995	2001	2002	2003	2004	2005	2006
Indiana								
Sulfur Dioxide								
Coal	1,273	833	732	715	741	795	801	757
Petroleum	3	*	3	2	1	*	*	*
Natural Gas	*	*	*	*	*	*	*	*
Other	*	*	*	1	1	1	*	*
Total	1,277	834	735	718	743	796	802	758
Nitrogen Oxide								
Coal	484	487	286	255	237	206	190	187
Petroleum	1	1	1	*	*	*	*	*
Natural Gas	4	3	3	4	3	2	2	2
Other	1	1	7	9	16	8	12	13
Total	490	492	298	269	257	216	204	202
Carbon Dioxide								
Coal	94,414	102,213	113,671	111,766	113,940	116,752	119,165	119,642
Petroleum	1,293	570	671	837	517	491	272	143
Natural Gas	1,863	1,383	2,432	2,342	1,773	1,661	2,362	1,868
Other Renewables	297	302	295	294	307	305	295	297
Total	97,867	104,469	117,069	115,239	116,538	119,208	122,095	121,950

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1990, 1995, and 2001 Through 2006

Sector	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Indiana										
Retail Sales (thousand megawatthours)										
Residential	22,111	26,560	29,420	31,568	30,726	31,192	33,629	32,286	29.9	30.6
Commercial	15,502	18,123	25,551	21,790	22,441	22,957	23,959	23,830	21.0	22.6
Industrial	35,743	41,777	42,080	47,481	47,284	48,928	48,944	49,530	48.3	46.9
Other	626	546	684	589	NA	NA	NA	NA	0.8	NA
Transportation	NA	NA	NA	NA	16	17	17	18	NA	*
All Sectors	73,982	87,006	97,734	101,429	100,468	103,094	106,549	105,664	100.0	100.0
Retail Revenue (million dollars)										
Residential	1,519	1,790	2,037	2,183	2,162	2,277	2,523	2,655	38.3	38.9
Commercial	938	1,072	1,351	1,303	1,374	1,448	1,573	1,719	23.7	25.2
Industrial	1,456	1,645	1,728	1,877	1,855	2,022	2,165	2,451	36.7	35.9
Other	51	50	62	57	NA	NA	NA	NA	1.3	NA
Transportation	NA	NA	NA	NA	1	1	2	2	NA	*
All Sectors	3,964	4,557	5,177	5,420	5,393	5,749	6,262	6,827	100.0	100.0
Average Retail Prices (cents/KWh)										
Residential	6.87	6.74	6.92	6.91	7.04	7.30	7.50	8.22	NA	NA
Commercial	6.05	5.92	5.29	5.98	6.12	6.31	6.57	7.21	NA	NA
Industrial	4.07	3.94	4.11	3.95	3.92	4.13	4.42	4.95	NA	NA
Other	8.08	9.12	9.06	9.75	NA	NA	NA	NA	NA	NA
Transportation	NA	NA	NA	NA	8.36	8.76	9.14	9.66	NA	NA
All Sectors	5.36	5.24	5.30	5.34	5.37	5.58	5.88	6.46	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2006

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Indiana								
Number of Entities	6	72	NA	41	NA	NA	NA	119
Number of Retail Customers	2,283,889	257,262	NA	520,511	NA	NA	NA	3,061,662
Retail Sales (thousand megawatthours)	86,068	7,762	NA	11,835	NA	NA	NA	105,664
Percentage of Retail Sales	81.45	7.35	NA	11.20	NA	NA	NA	100.00
Revenue from Retail Sales (million dollars)	5,409	505	NA	913	NA	NA	NA	6,827
Percentage of Revenue	79.22	7.40	NA	13.38	NA	NA	NA	100.00
Average Retail Price (cents/kWh)	6.28	6.51	NA	7.72	NA	NA	NA	6.46

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 services. 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.

Table 10. Supply and Disposition of Electricity, 1990, 1995, and 2001 Through 2006
(Million Kilowatthours)

Category	1990	1995	2001	2002	2003	2004	2005	2006
Indiana								
Supply								
Generation								
Electric Utilities	97,738	105,189	114,666	112,030	112,396	114,690	117,374	117,644
Independent Power Producers	-	46	3,665	9,879	3,417	3,268	3,659	3,488
Combined Heat and Power, Electric	-	-	12	22	5,474	5,630	5,650	5,526
Electric Power Sector Generation Subtotal	**97,738**	**105,234**	**118,343**	**121,931**	**121,287**	**123,588**	**126,682**	**126,657**
Combined Heat and Power, Commercial	123	197	225	242	229	256	250	226
Combined Heat and Power, Industrial	3,555	3,726	4,001	3,435	3,372	3,926	3,440	3,607
Industrial and Commercial Generation Subtotal	**3,679**	**3,922**	**4,226**	**3,677**	**3,601**	**4,182**	**3,690**	**3,833**
Total Net Generation	**101,417**	**109,157**	**122,570**	**125,608**	**124,888**	**127,770**	**130,372**	**130,490**
Total International Imports	**-**	**-**	**-**	**-**	**-**	**-**	**12**	**30**
Total Supply	**101,417**	**109,157**	**122,570**	**125,608**	**124,888**	**127,770**	**130,383**	**130,520**
Disposition								
Retail Sales								
Full Service Providers	73,982	87,006	97,734	101,429	100,468	103,094	106,549	105,664
Total Electric Industry Retail Sales	**73,982**	**87,006**	**97,734**	**101,429**	**100,468**	**103,094**	**106,549**	**105,664**
Direct Use	**3,678**	**3,923**	**4,596**	**4,696**	**4,756**	**4,761**	**7,349**	**7,525**
Total International Exports	**-**	**-**	**-**	**1**	**-**	**-**	**1**	**-**
Estimated Losses	**5,547**	**6,605**	**5,250**	**7,367**	**7,716**	**7,092**	**11,083**	**6,450**
Total Disposition	**83,207**	**97,534**	**107,580**	**113,492**	**112,939**	**114,947**	**124,982**	**119,639**
Net Interstate Trade	**18,210**	**11,623**	**14,990**	**12,116**	**11,949**	**12,824**	**5,401**	**10,881**
Net Trade Index (ratio)	**1.22**	**1.12**	**1.14**	**1.11**	**1.11**	**1.11**	**1.04**	**1.09**

R = Revised.
NA = Not applicable; NM = Not meaningful.
W = Withheld to avoid disclosure of individual company data.
- = Data not available.
* = 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 10 Notes: Estimated Losses are reported at the utility level, and then allocated to States based on the utility's retail sales by State. Reported losses may include electricity unaccounted for by the utility. Net Interstate Trade represents the difference between the amount of electricity produced in the State and consumed in the State. Positive values indicate a State that is a net interstate exporter of electricity; negative values indicate a State that is a net interstate importer of electricity. The Net Trade Index represents a State's electricity self-sufficiency. Values greater than 1 indicate that, on an annual net basis, the State supplied electricity consumed outside the State; values less than 1 indicate that, on an annual net basis, the State consumed electricity produced outside the State.
General Notes: Table 4 "Other Renewables" includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. The "Other" category includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. However, Table 5 "Other Renewables" includes only biogenic municipal solid waste, in addition to wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. In Table 5 "Other" includes Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. In Table 7, "Other Renewables" emissions include biogenic municipal solid waste, and other renewable 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.

Table 1. 2006 Summary Statistics

Item	Value	U.S. Rank
Iowa		
NERC Region(s)		**MRO**
Primary Energy Source		**Coal**
Net Summer Capacity (megawatts)	**11,143**	**32**
Electric Utilities	9,562	26
Independent Power Producers & Combined Heat and Power	1,581	37
Net Generation (megawatthours)	**45,483,462**	**33**
Electric Utilities	37,494,674	29
Independent Power Producers & Combined Heat and Power	7,988,788	32
Emissions (thousand metric tons)		
Sulfur Dioxide	132	19
Nitrogen Oxide	64	27
Carbon Dioxide	40,577	25
Sulfur Dioxide (lbs/MWh)	6.4	14
Nitrogen Oxide (lbs/MWh)	3.1	17
Carbon Dioxide (lbs/MWh)	1,967	7
Total Retail Sales (megawatthours)	**43,336,835**	**31**
Full Service Provider Sales (megawatthours)	43,336,835	29
Direct Use (megawatthours)	**1,595,367**	**22**
Average Retail Price (cents/kWh)	**7.01**	**32**

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capacity, 2006

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
Iowa			
1. George Neal North	Coal	MidAmerican Energy Co	950
2. Council Bluffs	Coal	MidAmerican Energy Co	823
3. Louisa	Coal	MidAmerican Energy Co	700
4. Ottumwa	Coal	Interstate Power and Light Co	673
5. George Neal South	Coal	MidAmerican Energy Co	632
6. Duane Arnold	Nuclear	FPL Energy Duane Arnold Energy Cntr LLC	581
7. Emery Station	Gas	Interstate Power and Light Co	559
8. Greater Des Moines	Gas	MidAmerican Energy Co	491
9. Lansing	Coal	Interstate Power and Light Co	325
10. Burlington	Coal	Interstate Power and Light Co	276

See footnotes at end of tables.

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2006
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
Iowa						
1. MidAmerican Energy Co	Investor-Owned	17,751,065	5,086,363	4,875,621	7,789,081	-
2. Interstate Power and Light Co	Investor-Owned	14,829,537	3,750,503	3,699,827	7,379,207	-
3. Board of Water Electric & Communications	Public	863,716	98,835	179,781	585,100	-
4. Ames City of	Public	605,888	154,996	258,890	192,002	-
5. Eastern Iowa Light & Power Coop	Cooperative	527,194	268,880	38,870	219,444	-
Total Sales, Top Five Providers		34,577,400	9,359,577	9,052,989	16,164,834	-
Percent of Total State Sales		80	70	78	88	-

See footnotes at end of tables.

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatts)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Iowa										
Electric Utilities	**7,952**	**8,237**	**8,352**	**8,407**	**9,093**	**9,895**	**10,090[R]**	**9,562**	**95.7**	**85.8**
Coal	5,860	5,995	5,668	5,620	5,666	5,741	5,705	5,666	70.6	50.8
Petroleum	659[R]	755[R]	1,012	980	912	908	936[R]	935	7.9	8.4
Natural Gas	779[R]	825[R]	916	1,007	1,710	2,381	2,376	2,370	9.4	21.3
Nuclear	530	528	520	566	562	563	581	-	6.4	-
Hydroelectric	124	134	129	129	136	138	129	129	1.5	1.2
Other Renewables	-	*	107	107	107	165	363[R]	462	-	4.1
Independent Power Producers and Combined Heat and Power	**353**	**356**	**831**	**931**	**981**	**978**	**998[R]**	**1,581**	**4.3**	**14.2**
Coal	232	288	419	419	420	417	432	432	2.8	3.9
Petroleum	55	53	81	82	89	89	92[R]	92	0.7	0.8
Natural Gas	61	3	3	4	5	5	5	1	0.7	*
Nuclear	-	-	-	-	-	-	-	581	-	5.2
Hydroelectric	5	5	2	2	2	2	2	2	0.1	*
Other Renewables	-	6	324	422	466	466	467[R]	474	-	4.3
Total Electric Industry	**8,306**	**8,593**	**9,183**	**9,338**	**10,074**	**10,873**	**11,087**	**11,143**	**100.0**	**100.0**
Coal	6,092	6,283	6,088	6,039	6,086	6,157	6,137	6,097	73.4	54.7
Petroleum	714[R]	808[R]	1,093	1,062	1,000	996	1,028	1,027	8.6	9.2
Natural Gas	840[R]	828[R]	920	1,011	1,715	2,386	2,381	2,371	10.1	21.3
Nuclear	530	528	520	566	562	563	581	581	6.4	5.2
Hydroelectric	130	139	131	131	138	140	131	131	1.6	1.2
Other Renewables	-	7	431	529	573	630	830	936	-	8.4

See footnotes at end of tables.

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatthours)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Iowa										
Electric Utilities	**29,047,940**	**33,501,928**	**38,755,520**	**40,051,665**	**39,485,141**	**40,578,049**	**41,559,024**	**37,494,674**	**96.7**	**82.4**
Coal	24,879,567	28,426,101	33,471,603	34,033,119	34,288,694	33,757,265	32,807,567	32,855,636	82.8	72.2
Petroleum	51,315	57,750	94,796	55,552	91,173	99,255	140,559	197,700	0.2	0.4
Natural Gas	231,263	277,324	454,476	406,796	279,206	814,295	2,473,558	2,393,816	0.8	5.3
Nuclear	3,011,572	3,729,970	3,852,722	4,573,958	3,987,657	4,928,948	4,538,313	-	10.0	-
Hydroelectric	856,848	991,088	830,258	936,688	780,322	936,999	950,094	900,488	2.9	2.0
Other Renewables	17,375	19,695	43,957	45,552	48,464	29,404	637,360	1,136,608	0.1	2.5
Other	-	-	7,708	-	9,625	11,883	11,573	10,426	-	*
Independent Power Producers and Combined Heat and Power	**996,566**	**1,251,000**	**1,902,992**	**2,476,720**	**2,631,051**	**2,670,140**	**2,597,136**[R]	**7,988,788**	**3.3**	**17.6**
Coal	872,374	983,603	1,193,492	1,338,940	1,531,251	1,515,020	1,444,825	1,549,657	2.9	3.4
Petroleum	3,156	8,111	7,832	8,312	10,162	9,309	8,978[R]	10,585	*	*
Natural Gas	102,127	202,565	138,376	147,923	33,690	10,376	7,284	6,133	0.3	*
Nuclear	-	-	-	-	-	-	-	5,095,442	-	11.2
Hydroelectric	18,266	11,886	14,896	9,695	8,271	8,960	9,432	8,860	0.1	*
Other Renewables	643	44,835	547,655	971,616	1,047,676	1,126,476	1,126,617	1,318,112	*	2.9
Other	-	-	741	234	-	-	-	-	-	-
Total Electric Industry	**30,044,506**	**34,752,928**	**40,658,512**	**42,528,385**	**42,116,192**	**43,248,189**	**44,156,160**[R]	**45,483,462**	**100.0**	**100.0**
Coal	25,751,941	29,409,704	34,665,095	35,372,059	35,819,945	35,272,285	34,252,392	34,405,293	85.7	75.6
Petroleum	54,471	65,861	102,628	63,864	101,335	108,564	149,537[R]	208,285	0.2	0.5
Natural Gas	333,390	479,889	592,852	554,719	312,896	824,671	2,480,842	2,399,949	1.1	5.3
Nuclear	3,011,572	3,729,970	3,852,722	4,573,958	3,987,657	4,928,948	4,538,313	5,095,442	10.0	11.2
Hydroelectric	875,114	1,002,974	845,154	946,383	788,593	945,959	959,526	909,348	2.9	2.0
Other Renewables	18,018	64,530	591,612	1,017,168	1,096,140	1,155,880	1,763,977	2,454,720	0.1	5.4
Other	-	-	8,449	234	9,625	11,883	11,573	10,426	-	*

See footnotes at end of tables.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1990, 1995, and 2001 Through 2006

Fuel, Quality	1990	1995	2001	2002	2003	2004	2005	2006
Iowa								
Coal (cents per million Btu)	112	99	81	W	W	W	W	W
Average heat value (Btu per pound)	8,892	8,678	9,000	8,648	8,705	8,665	8,668	8,612
Average sulfur Content (percent)	0.70	0.49	0.37	0.39	0.43	0.44	0.42	0.44
Petroleum (cents per million Btu)	518	96	617	579	635	459	1,077	474
Average heat value (Btu per gallon)	137,943	77,324	139,524	139,667	139,171	137,162	139,200	134,952
Average sulfur Content (percent)	0.14	5.09	0.04	0.01	0.03	2.08	0.28	4.09
Natural Gas (cents per million Btu)	305	271	477	W	593	712	878	778
Average heat value (Btu per cubic foot)	1,006	1,005	1,010	1,002	1,004	1,003	1,007	1,009

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1990, 1995, and 2001 Through 2006
(Thousand Metric Tons)

Emission Type	1990	1995	2001	2002	2003	2004	2005	2006
Iowa								
Sulfur Dioxide								
Coal	182	171	139	134	138	135	135	131
Petroleum	*	12	1	1	1	1	1	1
Natural Gas	*	*	*	*	*	*	*	*
Other	*	*	*	*	*	*	*	*
Total	183	183	140	135	139	136	136	132
Nitrogen Oxide								
Coal	151	161	76	76	76	76	71	61
Petroleum	*	1	1	1	1	1	1	1
Natural Gas	1	2	2	2	1	1	1	1
Other	*	*	1	1	1	1	1	1
Total	152	164	79	80	79	79	75	64
Carbon Dioxide								
Coal	28,927	33,277	39,847	39,894	40,202	40,577	38,873	39,256
Petroleum	61	78	114	81	121	137	177	255
Natural Gas	510	915	890	935	296	464	1,144	1,055
Other Renewables	1	1	10	1	15	17	12	11
Total	29,500	34,270	40,861	40,912	40,634	41,196	40,207	40,577

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1990, 1995, and 2001 Through 2006

Sector	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Iowa										
Retail Sales (thousand megawatthours)										
Residential	10,513	11,640	12,430	12,921	12,768	12,625	13,571	13,344	35.7	30.8
Commercial	6,727	7,607	8,512	8,803	11,637	10,840	11,271	11,660	22.9	26.9
Industrial	11,392	13,771	16,238	16,548	16,803	17,437	17,915	18,331	38.7	42.3
Other	804	1,284	2,264	2,626	NA	NA	NA	NA	2.7	NA
Transportation	NA	NA	NA	NA	NA	NA	NA	1	NA	*
All Sectors	29,437	34,301	39,444	40,898	41,207	40,903	42,757	43,337	100.0	100.0
Retail Revenue (million dollars)										
Residential	821	959	1,045	1,079	1,094	1,132	1,258	1,285	47.1	42.3
Commercial	422	490	570	578	726	731	783	850	24.2	28.0
Industrial	453	542	679	672	699	756	818	902	26.0	29.7
Other	49	79	128	129	NA	NA	NA	NA	2.8	NA
Transportation	NA	NA	NA	NA	NA	NA	NA	*	NA	*
All Sectors	1,745	2,069	2,422	2,458	2,519	2,619	2,859	3,038	100.0	100.0
Average Retail Prices (cents/KWh)										
Residential	7.81	8.24	8.41	8.35	8.57	8.96	9.27	9.63	NA	NA
Commercial	6.27	6.44	6.69	6.56	6.24	6.75	6.95	7.29	NA	NA
Industrial	3.98	3.94	4.18	4.06	4.16	4.33	4.56	4.92	NA	NA
Other	6.04	6.13	5.67	4.92	NA	NA	NA	NA	NA	NA
Transportation	NA	NA	NA	NA	NA	NA	NA	7.05	NA	NA
All Sectors	5.93	6.03	6.14	6.01	6.11	6.40	6.69	7.01	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2006

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Iowa								
Number of Entities	3	137	NA	44	1	NA	NA	185
Number of Retail Customers	1,104,354	207,053	NA	214,938	162	NA	NA	1,526,507
Retail Sales (thousand megawatthours)	32,675	5,253	NA	5,109	300	NA	NA	43,337
Percentage of Retail Sales	75.40	12.12	NA	11.79	0.69	NA	NA	100.00
Revenue from Retail Sales (million dollars)	2,252	352	NA	417	16	NA	NA	3,038
Percentage of Revenue	74.13	11.60	NA	13.74	0.53	NA	NA	100.00
Average Retail Price (cents/kWh)	6.89	6.71	NA	8.17	5.41	NA	NA	7.01

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 services. 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.

Table 10. Supply and Disposition of Electricity, 1990, 1995, and 2001 Through 2006
(Million Kilowatthours)

Category	1990	1995	2001	2002	2003	2004	2005	2006
Iowa								
Supply								
Generation								
Electric Utilities	29,048	33,502	38,756	40,052	39,485	40,578	41,559	37,495
Independent Power Producers	20	16	495	917	1,033	1,107	1,103	6,389
Combined Heat and Power, Electric	124	144	173	167	-	-	-	-
Electric Power Sector Generation Subtotal	**29,192**	**33,662**	**39,424**	**41,136**	**40,518**	**41,685**	**42,662**	**43,884**
Combined Heat and Power, Commercial	17	79	130	129	261	270	278	278
Combined Heat and Power, Industrial	835	1,011	1,105	1,263	1,337	1,294	1,216	1,321
Industrial and Commercial Generation Subtotal	**853**	**1,091**	**1,235**	**1,392**	**1,598**	**1,564**	**1,494**	**1,599**
Total Net Generation	**30,045**	**34,753**	**40,659**	**42,528**	**42,116**	**43,248**	**44,156**	**45,483**
Total International Imports	**-**	**-**	**5**	**-**	**-**	*****	*****	**-**
Total Supply	**30,045**	**34,753**	**40,664**	**42,528**	**42,116**	**43,248**	**44,156**	**45,483**
Disposition								
Retail Sales								
Full Service Providers	29,437	34,301	39,444	40,898	40,969	40,616	42,757	43,037
Facility Direct Retail Sales	-	-	-	-	238	287	-	300
Total Electric Industry Retail Sales	**29,437**	**34,301**	**39,444**	**40,898**	**41,207**	**40,903**	**42,757**	**43,337**
Direct Use	**977**	**1,201**	**1,306**	**1,334**	**1,351**	**1,352**	**1,313**	**1,595**
Total International Exports	**-**	**-**	**-**	**-**	**1**	**1**	**1**	*****
Estimated Losses	**2,207**	**2,604**	**2,519**	**2,669**	**2,374**	**2,671**	**2,436**	**2,902**
Total Disposition	**32,622**	**38,106**	**43,268**	**44,900**	**44,933**	**44,927**	**46,507**	**47,834**
Net Interstate Trade	**-2,577**	**-3,353**	**-2,604**	**-2,372**	**-2,817**	**-1,679**	**-2,351**	**-2,351**
Net Trade Index (ratio)	**0.92**	**0.91**	**0.94**	**0.95**	**0.94**	**0.96**	**0.95**	**0.95**

R = Revised.
NA = Not applicable; NM = Not meaningful.
W = Withheld to avoid disclosure of individual company data.
- = Data not available.
* = 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 10 Notes: Estimated Losses are reported at the utility level, and then allocated to States based on the utility's retail sales by State. Reported losses may include electricity unaccounted for by the utility. Net Interstate Trade represents the difference between the amount of electricity produced in the State and consumed in the State. Positive values indicate a State that is a net interstate exporter of electricity; negative values indicate a State that is a net interstate importer of electricity. The Net Trade Index represents a State's electricity self-sufficiency. Values greater than 1 indicate that, on an annual net basis, the State supplied electricity consumed outside the State; values less than 1 indicate that, on an annual net basis, the State consumed electricity produced outside the State.
General Notes: Table 4 "Other Renewables" includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. The "Other" category includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. However, Table 5 "Other Renewables" includes only biogenic municipal solid waste, in addition to wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. In Table 5 "Other" includes Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. In Table 7, "Other Renewables" emissions include biogenic municipal solid waste, and other renewable 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.

Table 1. 2006 Summary Statistics

Item	Value	U.S. Rank
Kansas		
NERC Region(s)		**SPP**
Primary Energy Source		**Coal**
Net Summer Capacity (megawatts)	**11,124**	**33**
Electric Utilities	10,829	22
Independent Power Producers & Combined Heat and Power	295	47
Net Generation (megawatthours)	**45,523,736**	**32**
Electric Utilities	44,621,389	21
Independent Power Producers & Combined Heat and Power	902,347	45
Emissions (thousand metric tons)		
Sulfur Dioxide	101	24
Nitrogen Oxide	74	22
Carbon Dioxide	35,639	28
Sulfur Dioxide (lbs/MWh)	4.9	19
Nitrogen Oxide (lbs/MWh)	3.6	10
Carbon Dioxide (lbs/MWh)	1,726	14
Total Retail Sales (megawatthours)	**39,751,302**	**32**
Full Service Provider Sales (megawatthours)	39,751,302	31
Direct Use (megawatthours)	**7,386**	**49**
Average Retail Price (cents/kWh)	**6.89**	**38**

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capacity, 2006

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
Kansas			
1. Jeffrey Energy Center	Coal	Westar Energy Inc	2,190
2. La Cygne	Coal	Kansas City Power & Light Co	1,422
3. Wolf Creek Generating Station	Nuclear	Wolf Creek Nuclear Optg Corp	1,166
4. Gordon Evans Energy Center	Gas	Kansas Gas & Electric Co	826
5. Lawrence Energy Center	Coal	Westar Energy Inc	524
6. Hutchinson Energy Center	Gas	Westar Energy Inc	474
7. Holcomb	Coal	Sunflower Electric Power Corp	360
8. Murray Gill	Gas	Kansas Gas & Electric Co	317
9. West Gardner	Gas	Kansas City Power & Light Co	308
10. Nearman Creek	Coal	Kansas City City of	305

See footnotes at end of tables.

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2006
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
Kansas						
1. Kansas Gas & Electric Co	Investor-Owned	9,936,518	3,081,078	2,991,285	3,864,155	-
2. Westar Energy Inc	Investor-Owned	9,621,028	3,374,963	4,286,572	1,959,493	-
3. Kansas City Power & Light Co	Investor-Owned	6,356,693	2,814,030	3,105,298	437,365	-
4. City of Kansas City	Public	2,462,894	562,350	992,215	908,329	-
5. Aquila Inc	Investor-Owned	1,899,009	478,131	597,638	823,240	-
Total Sales, Top Five Providers		30,276,142	10,310,552	11,973,008	7,992,582	-
Percent of Total State Sales		76	76	81	70	-

See footnotes at end of tables.

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatts)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Kansas										
Electric Utilities	**9,578**	**9,675**	**10,223**	**10,244**	**10,731**	**10,705**	**10,734**	**10,829**	**99.6**	**97.3**
Coal	5,064	5,244	5,295	5,310	5,265	5,222	5,250	5,203	52.6	46.8
Petroleum	622[R]	579[R]	652	546	564	587	583	565	6.5	5.1
Natural Gas	2,755[R]	2,685[R]	3,106	3,219	3,735	3,729	3,734	3,793	28.6	34.1
Nuclear	1,135	1,167	1,170	1,170	1,165	1,166	1,166	1,166	11.8	10.5
Hydroelectric	2	-	-	-	-	-	-	-	*	-
Other Renewables	*	-	-	-	2	1	1	101	*	0.9
Independent Power Producers and Combined Heat and Power	**43**	**49**	**153**	**152**	**145**	**145**	**295**	**295**	**0.4**	**2.7**
Petroleum	4	4	4	4	-	-	-	-	*	-
Natural Gas	38	43	34	33	31	31	31	31	0.4	0.3
Hydroelectric	*	2	2	2	3	3	3	3	*	*
Other Renewables	-	-	112	112	112	112	262	262	-	2.4
Total Electric Industry	**9,621**	**9,725**	**10,376**	**10,396**	**10,876**	**10,850**	**11,029**	**11,124**	**100.0**	**100.0**
Coal	5,064	5,244	5,295	5,310	5,265	5,222	5,250	5,203	52.6	46.8
Petroleum	626[R]	583[R]	656	550	564	587	583	565	6.5	5.1
Natural Gas	2,793[R]	2,728[R]	3,140	3,252	3,766	3,759	3,764	3,824	29.0	34.4
Nuclear	1,135	1,167	1,170	1,170	1,165	1,166	1,166	1,166	11.8	10.5
Hydroelectric	3	2	2	2	3	3	3	3	*	*
Other Renewables	*	-	112	112	114	113	263	363	*	3.3

See footnotes at end of tables.

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatthours)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Kansas										
Electric Utilities	**33,868,644**	**38,230,483**	**44,642,712**	**46,691,936**	**46,155,505**	**46,409,328**	**45,421,033**	**44,621,389**	**99.1**	**98.0**
Coal	23,720,258	25,896,959	31,768,001	35,369,189	35,109,616	34,593,346	34,480,731	33,281,380	69.4	73.1
Petroleum	65,744	73,764	616,418	508,857	963,751	853,742	986,378	51,142	0.2	0.1
Natural Gas	2,196,341	2,197,557	1,911,642	1,772,188	1,190,819	826,668	1,132,201	1,832,168	6.4	4.0
Nuclear	7,874,487	10,062,177	10,346,651	9,041,702	8,889,667	10,132,736	8,820,945	9,350,269	23.0	20.5
Hydroelectric	11,769	-	-	-	-	-	-	-	*	-
Other Renewables	45	26	-	-	1,651	2,835	778	106,430	*	0.2
Independent Power Producers and Combined Heat and Power	**316,213**	**190,222**	**105,811**	**496,510**	**412,056**	**373,331**	**441,663**	**902,347**	**0.9**	**2.0**
Petroleum	8,282	2,100	759	221	381	-	30	-	*	-
Natural Gas	306,466	176,908	39,658	16,864	34,951	4,987	5,251	7,238	0.9	*
Hydroelectric	1,465	11,214	25,562	12,746	12,435	12,547	11,337	9,649	*	*
Other Renewables	-	-	39,832	466,679	364,288	355,797	425,045	885,460	-	1.9
Total Electric Industry	**34,184,857**	**38,420,705**	**44,748,523**	**47,188,446**	**46,567,561**	**46,782,659**	**45,862,696**	**45,523,736**	**100.0**	**100.0**
Coal	23,720,258	25,896,959	31,768,001	35,369,189	35,109,616	34,593,346	34,480,731	33,281,380	69.4	73.1
Petroleum	74,026	75,864	617,177	509,078	964,132	853,742	986,408	51,142	0.2	0.1
Natural Gas	2,502,807	2,374,465	1,951,300	1,789,052	1,225,770	831,655	1,137,452	1,839,406	7.3	4.0
Nuclear	7,874,487	10,062,177	10,346,651	9,041,702	8,889,667	10,132,736	8,820,945	9,350,269	23.0	20.5
Hydroelectric	13,234	11,214	25,562	12,746	12,435	12,547	11,337	9,649	*	*
Other Renewables	45	26	39,832	466,679	365,939	358,632	425,823	991,890	*	2.2

See footnotes at end of tables.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1990, 1995, and 2001 Through 2006

Fuel, Quality	1990	1995	2001	2002	2003	2004	2005	2006
Kansas								
Coal (cents per million Btu)	124	102	105	98	101	103	112	119
Average heat value (Btu per pound)	8,948	8,730	8,700	8,571	8,619	8,626	8,569	8,607
Average sulfur Content (percent)	0.58	0.43	0.43	0.44	0.48	0.44	0.44	0.45
Petroleum (cents per million Btu)	540	212	336	273	362	407	556	485
Average heat value (Btu per gallon)	138,176	104,067	154,286	157,186	156,948	156,855	155,174	144,821
Average sulfur Content (percent)	0.13	2.80	1.60	1.58	1.62	1.66	1.81	2.79
Natural Gas (cents per million Btu)	176	161	358	309	530	546	770	624
Average heat value (Btu per cubic foot)	990	980	1,010	1,004	1,014	1,008	1,010	1,014

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1990, 1995, and 2001 Through 2006
(Thousand Metric Tons)

Emission Type	1990	1995	2001	2002	2003	2004	2005	2006
Kansas								
Sulfur Dioxide								
Coal	77	64	103	113	119	104	112	98
Petroleum	1	*	6	5	9	8	12	3
Natural Gas	*	*	*	*	*	*	*	*
Total	78	64	109	118	128	112	124	101
Nitrogen Oxide								
Coal	120	134	72	83	82	81	77	69
Petroleum	*	*	2	1	3	2	3	2
Natural Gas	4	4	5	5	4	2	3	3
Total	125	138	79	89	88	85	82	74
Carbon Dioxide								
Coal	25,368	27,112	33,406	36,968	36,803	36,313	35,779	34,219
Petroleum	75	70	587	457	843	817	939	51
Natural Gas	1,662	1,610	1,365	1,149	837	597	925	1,369
Total	27,106	28,792	35,358	38,574	38,484	37,726	37,642	35,639

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1990, 1995, and 2001 Through 2006

Sector	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Kansas										
Retail Sales (thousand megawatthours)										
Residential	9,515	10,356	12,062	12,745	12,602	12,417	13,406	13,503	35.0	34.0
Commercial	9,169	10,273	12,787	13,392	13,751	13,831	14,453	14,786	33.8	37.2
Industrial	8,087	9,356	10,569	10,195	10,382	10,879	11,165	11,462	29.8	28.8
Other	378	372	429	381	NA	NA	NA	NA	1.4	NA
All Sectors	27,149	30,357	35,847	36,714	36,735	37,127	39,024	39,751	100.0	100.0
Retail Revenue (million dollars)										
Residential	745	820	925	977	971	962	1,059	1,114	41.7	40.7
Commercial	609	687	793	841	882	893	954	1,030	34.1	37.6
Industrial	400	451	481	462	479	510	542	596	22.4	21.8
Other	31	34	38	35	NA	NA	NA	NA	1.7	NA
All Sectors	1,785	1,992	2,236	2,315	2,333	2,364	2,555	2,740	100.0	100.0
Average Retail Prices (cents/KWh)										
Residential	7.83	7.92	7.66	7.67	7.71	7.74	7.90	8.25	NA	NA
Commercial	6.64	6.68	6.20	6.28	6.42	6.45	6.60	6.96	NA	NA
Industrial	4.94	4.82	4.55	4.53	4.61	4.69	4.85	5.20	NA	NA
Other	8.17	9.21	8.91	9.30	NA	NA	NA	NA	NA	NA
All Sectors	6.57	6.56	6.24	6.31	6.35	6.37	6.55	6.89	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2006

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Kansas								
Number of Entities	6	119	1	29	1	NA	NA	156
Number of Retail Customers	979,455	236,579	7	222,919	3	NA	NA	1,438,963
Retail Sales (thousand megawatthours)	28,081	7,038	24	4,504	105	NA	NA	39,751
Percentage of Retail Sales	70.64	17.70	0.06	11.33	0.26	NA	NA	100.00
Revenue from Retail Sales (million dollars)	1,785	534	1	414	7	NA	NA	2,740
Percentage of Revenue	65.14	19.50	0.02	15.10	0.25	NA	NA	100.00
Average Retail Price (cents/kWh)	6.36	7.59	2.59	9.18	6.43	NA	NA	6.89

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 services. 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.

Table 10. Supply and Disposition of Electricity, 1990, 1995, and 2001 Through 2006
(Million Kilowatthours)

Category	1990	1995	2001	2002	2003	2004	2005	2006
Kansas								
Supply								
Generation								
Electric Utilities	33,869	38,230	44,643	46,692	46,156	46,409	45,421	44,621
Independent Power Producers	1	11	65	479	377	368	436	895
Electric Power Sector Generation Subtotal	**33,870**	**38,242**	**44,708**	**47,171**	**46,532**	**46,778**	**45,857**	**45,516**
Combined Heat and Power, Commercial	-	5	2	1	1	1	*	-
Combined Heat and Power, Industrial	315	174	38	16	34	4	5	7
Industrial and Commercial Generation Subtotal	**315**	**179**	**40**	**17**	**35**	**5**	**5**	**7**
Total Net Generation	**34,185**	**38,421**	**44,749**	**47,188**	**46,568**	**46,783**	**45,863**	**45,524**
Total Supply	**34,185**	**38,421**	**44,749**	**47,188**	**46,568**	**46,783**	**45,863**	**45,524**
Disposition								
Retail Sales								
Full Service Providers	27,149	30,357	35,847	36,714	36,735	37,022	38,921	39,646
Facility Direct Retail Sales	-	-	-	-	-	104	103	105
Total Electric Industry Retail Sales	**27,149**	**30,357**	**35,847**	**36,714**	**36,735**	**37,127**	**39,024**	**39,751**
Direct Use	**315**	**180**	**60**	**61**	**62**	**62**	**5**	**7**
Total International Exports	**-**	**-**	**-**	**-**	**-**	*****	*****	**-**
Estimated Losses	**2,036**	**2,305**	**2,882**	**3,285**	**3,085**	**3,456**	**4,278**	**3,459**
Total Disposition	**29,499**	**32,841**	**38,789**	**40,060**	**39,883**	**40,645**	**43,308**	**43,218**
Net Interstate Trade	**4,685**	**5,579**	**5,960**	**7,128**	**6,685**	**6,137**	**2,555**	**2,306**
Net Trade Index (ratio)	**1.16**	**1.17**	**1.15**	**1.18**	**1.17**	**1.15**	**1.06**	**1.05**

R = Revised.
NA = Not applicable; NM = Not meaningful.
W = Withheld to avoid disclosure of individual company data.
- = Data not available.
* = 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 10 Notes: Estimated Losses are reported at the utility level, and then allocated to States based on the utility's retail sales by State. Reported losses may include electricity unaccounted for by the utility. Net Interstate Trade represents the difference between the amount of electricity produced in the State and consumed in the State. Positive values indicate a State that is a net interstate exporter of electricity; negative values indicate a State that is a net interstate importer of electricity. The Net Trade Index represents a State's electricity self-sufficiency. Values greater than 1 indicate that, on an annual net basis, the State supplied electricity consumed outside the State; values less than 1 indicate that, on an annual net basis, the State consumed electricity produced outside the State.
General Notes: Table 4 "Other Renewables" includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. The "Other" category includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. However, Table 5 "Other Renewables" includes only biogenic municipal solid waste, in addition to wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. In Table 5 "Other" includes Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. In Table 7, "Other Renewables" emissions include biogenic municipal solid waste, and other renewable 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.

Table 1. 2006 Summary Statistics

Item	Value	U.S. Rank
Kentucky		
NERC Region(s)		**RFC/SERC**
Primary Energy Source		**Coal**
Net Summer Capacity (megawatts)	**20,047**	**21**
Electric Utilities	16,878	16
Independent Power Producers & Combined Heat and Power	3,169	29
Net Generation (megawatthours)	**98,792,014**	**16**
Electric Utilities	86,816,479	14
Independent Power Producers & Combined Heat and Power	11,975,535	25
Emissions (thousand metric tons)		
Sulfur Dioxide	391	9
Nitrogen Oxide	158	6
Carbon Dioxide	93,160	7
Sulfur Dioxide (lbs/MWh)	8.7	8
Nitrogen Oxide (lbs/MWh)	3.5	12
Carbon Dioxide (lbs/MWh)	2,079	4
Total Retail Sales (megawatthours)	**88,743,435**	**15**
Full Service Provider Sales (megawatthours)	88,743,435	14
Direct Use (megawatthours)	**399,822**	**35**
Average Retail Price (cents/kWh)	**5.43**	**48**

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capacity, 2006

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
Kentucky			
1. Paradise	Coal	Tennessee Valley Authority	2,175
2. Ghent	Coal	Kentucky Utilities Co	1,945
3. E W Brown	Coal	Kentucky Utilities Co	1,546
4. Mill Creek	Coal	Louisville Gas & Electric Co	1,472
5. Trimble County	Coal	Louisville Gas & Electric Co	1,471
6. Shawnee	Coal	Tennessee Valley Authority	1,329
7. H L Spurlock	Coal	East Kentucky Power Coop, Inc	1,118
8. Big Sandy	Coal	Kentucky Power Co	1,060
9. Riverside Generating LLC	Gas	Riverside Generating Co LLC	825
10. J K Smith	Gas	East Kentucky Power Coop, Inc	626

See footnotes at end of tables.

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2006
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
Kentucky						
1. Kentucky Utilities Co	Investor-Owned	17,786,364	5,907,821	5,795,584	6,082,959	-
2. Tennessee Valley Authority	Federal	14,674,996	-	-	14,674,996	-
3. Louisville Gas & Electric Co	Investor-Owned	11,964,643	4,017,524	4,879,464	3,067,655	-
4. Kenergy Corp	Cooperative	9,378,878	710,953	302,766	8,365,159	-
5. Kentucky Power Co	Investor-Owned	7,122,459	2,409,237	1,402,043	3,311,179	-
Total Sales, Top Five Providers		60,927,340	13,045,535	12,379,857	35,501,948	-
Percent of Total State Sales		69	50	65	81	-

See footnotes at end of tables.

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatts)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Kentucky										
Electric Utilities	**15,511**	**15,425**	**15,229**	**15,419**	**15,349**	**15,860**	**16,234**	**16,878**	**100.0**	**84.2**
Coal	14,306	14,011	12,561	12,496	12,435	12,441	12,621	12,670	92.2	63.2
Petroleum	185[R]	186[R]	122	108	108	72	72	70	1.2	0.3
Natural Gas	225[R]	439[R]	1,726	1,993	1,988	2,521	2,714	3,313	1.5	16.5
Hydroelectric	795	789	821	821	818	817	817	813	5.1	4.1
Other Renewables	-	-	-	-	-	9	10	12	-	0.1
Independent Power Producers and Combined Heat and Power	**-**	**4**	**2,350**	**3,704**	**3,719**	**3,767**	**3,767**	**3,169**	**-**	**15.8**
Coal	-	-	1,716	1,716	1,716	1,716	1,716	1,716	-	8.6
Petroleum	-	-	65	65	65	65	65	65	-	0.3
Natural Gas	-	-	518	1,872	1,887	1,943	1,943	1,343	-	6.7
Hydroelectric	-	-	-	-	-	-	-	2	-	*
Other Renewables	-	4	51	51	51	43	43	43	-	0.2
Total Electric Industry	**15,511**	**15,429**	**17,579**	**19,123**	**19,068**	**19,627**	**20,001**	**20,047**	**100.0**	**100.0**
Coal	14,306	14,011	14,277	14,212	14,151	14,157	14,337	14,386	92.2	71.8
Petroleum	185[R]	186[R]	187	173	173	137	137	135	1.2	0.7
Natural Gas	225[R]	439[R]	2,244	3,865	3,875	4,464	4,657	4,656	1.5	23.2
Hydroelectric	795	789	821	821	818	817	817	815	5.1	4.1
Other Renewables	-	4	51	51	51	52	53	55	-	0.3

See footnotes at end of tables.

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatthours)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Kentucky										
Electric Utilities	**73,807,286**	**86,161,578**	**83,677,982**	**80,161,524**	**80,696,982**	**82,921,402**	**85,679,912**	**86,816,479**	**100.0**	**87.9**
Coal	70,500,461	82,539,467	79,381,504	75,308,162	76,367,048	78,574,428	81,188,722	83,068,626	95.5	84.1
Petroleum	118,646	130,598	120,418	135,412	130,280	93,651	96,557	79,520	0.2	0.1
Natural Gas	27,796	68,035	320,552	693,201	229,930	398,814	1,349,378	963,428	*	1.0
Other Gases	-	-	-	-	-	1,701	4,991	3,836	-	*
Hydroelectric	3,160,383	3,423,478	3,855,508	4,024,749	3,948,052	3,780,251	2,961,193	2,591,701	4.3	2.6
Other Renewables	-	-	-	-	-	57,029	62,098	87,713	-	0.1
Other	-	-	-	-	21,672	15,528	16,973	21,655	-	*
Independent Power Producers and Combined Heat and Power	**-**	**4,258**	**11,739,644**	**11,945,144**	**11,021,838**	**11,608,545**	**12,142,507**	**11,975,535**	**-**	**12.1**
Coal	-	-	11,417,074	7,966,084	7,693,492	7,546,083	7,894,391	8,129,862	-	8.2
Petroleum	-	-	3,142	2,933,086	2,814,631	3,527,448	3,584,128	3,261,378	-	3.3
Natural Gas	-	-	309,875	680,509	214,475	180,415	303,701	212,618	-	0.2
Other Renewables	-	4,258	9,553	365,465	299,240	354,600	360,287	371,677	-	0.4
Total Electric Industry	**73,807,286**	**86,165,836**	**95,417,626**	**92,106,668**	**91,718,820**	**94,529,947**	**97,822,419**	**98,792,014**	**100.0**	**100.0**
Coal	70,500,461	82,539,467	90,798,578	83,274,246	84,060,540	86,120,511	89,083,113	91,198,488	95.5	92.3
Petroleum	118,646	130,598	123,560	3,068,498	2,944,911	3,621,099	3,680,685	3,340,898	0.2	3.4
Natural Gas	27,796	68,035	630,427	1,373,710	444,405	579,229	1,653,079	1,176,046	*	1.2
Other Gases	-	-	-	-	-	1,701	4,991	3,836	-	*
Hydroelectric	3,160,383	3,423,478	3,855,508	4,024,749	3,948,052	3,780,251	2,961,193	2,591,701	4.3	2.6
Other Renewables	-	4,258	9,553	365,465	299,240	411,629	422,385	459,390	-	0.5
Other	-	-	-	-	21,672	15,528	16,973	21,655	-	*

See footnotes at end of tables.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1990, 1995, and 2001 Through 2006

Fuel, Quality	1990	1995	2001	2002	2003	2004	2005	2006
Kentucky								
Coal (cents per million Btu)	119	111	110	119	123	137	W	170
Average heat value (Btu per pound)	11,558	11,625	11,425	11,464	11,498	11,550	11,620	11,568
Average sulfur Content (percent)	2.59	2.42	2.15	2.16	2.12	2.09	2.21	2.23
Petroleum (cents per million Btu)	575	318	567	465	W	W	117	127
Average heat value (Btu per gallon)	138,943	118,024	139,286	137,640	132,664	131,967	132,710	132,305
Average sulfur Content (percent)	0.28	1.91	0.27	1.04	3.90	4.79	5.11	5.23
Natural Gas (cents per million Btu)	298	294	459	351	658	W	949	W
Average heat value (Btu per cubic foot)	1,020	1,022	1,020	1,003	1,017	1,017	1,026	1,025

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1990, 1995, and 2001 Through 2006
(Thousand Metric Tons)

Emission Type	1990	1995	2001	2002	2003	2004	2005	2006
Kentucky								
Sulfur Dioxide								
Coal	818	704	486	428	474	460	445	380
Petroleum	*	*	*	16	7	5	9	8
Natural Gas	-	-	*	*	-	-	*	*
Other	-	*	*	3	3	3	3	3
Total	819	704	486	447	483	469	457	391
Nitrogen Oxide								
Coal	301	321	210	168	159	143	140	146
Petroleum	*	*	*	11	9	6	8	8
Natural Gas	*	*	1	2	*	1	3	2
Other	-	*	*	1	1	2	2	2
Total	301	321	211	183	169	151	152	158
Carbon Dioxide								
Coal	65,830	76,855	87,036	82,099	81,475	82,586	85,011	88,498
Petroleum	90	119	96	4,039	3,411	4,126	4,135	3,779
Natural Gas	15	47	404	956	571	472	1,151	864
Other Renewables	-	-	-	-	27	20	22	20
Total	65,935	77,021	87,536	87,094	85,484	87,204	90,318	93,160

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1990, 1995, and 2001 Through 2006

Sector	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Kentucky										
Retail Sales (thousand megawatthours)										
Residential	16,814	20,537	23,698	25,347	24,704	25,187	26,947	25,949	27.5	29.2
Commercial	9,252	10,524	14,338	14,745	17,946	18,443	19,091	18,941	15.1	21.3
Industrial	32,543	40,490	38,676	43,812	42,570	42,891	43,314	43,853	53.3	49.4
Other	2,488	2,997	3,263	3,362	NA	NA	NA	NA	4.1	NA
All Sectors	61,097	74,548	79,975	87,267	85,220	86,521	89,351	88,743	100.0	100.0
Retail Revenue (million dollars)										
Residential	958	1,155	1,323	1,431	1,435	1,538	1,769	1,822	35.0	37.8
Commercial	497	552	746	782	963	1,034	1,147	1,219	18.2	25.3
Industrial	1,165	1,186	1,176	1,353	1,365	1,432	1,561	1,776	42.6	36.9
Other	117	140	148	155	NA	NA	NA	NA	4.3	NA
All Sectors	2,737	3,034	3,393	3,721	3,763	4,004	4,477	4,817	100.0	100.0
Average Retail Prices (cents/KWh)										
Residential	5.69	5.62	5.58	5.65	5.81	6.11	6.57	7.02	NA	NA
Commercial	5.37	5.25	5.20	5.30	5.37	5.60	6.01	6.44	NA	NA
Industrial	3.58	2.93	3.04	3.09	3.21	3.34	3.60	4.05	NA	NA
Other	4.69	4.68	4.53	4.61	NA	NA	NA	NA	NA	NA
All Sectors	4.48	4.07	4.24	4.26	4.42	4.63	5.01	5.43	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2006

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Kentucky								
Number of Entities	4	31	1	24	1	NA	NA	61
Number of Retail Customers	1,203,388	209,195	22	782,522	2	NA	NA	2,195,129
Retail Sales (thousand megawatthours)	40,758	7,055	14,675	26,128	127	NA	NA	88,743
Percentage of Retail Sales	45.93	7.95	16.54	29.44	0.14	NA	NA	100.00
Revenue from Retail Sales (million dollars)	2,288	433	530	1,561	4	NA	NA	4,817
Percentage of Revenue	47.50	9.00	11.00	32.41	0.09	NA	NA	100.00
Average Retail Price (cents/kWh)	5.61	6.14	3.61	5.98	3.40	NA	NA	5.43

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 services. 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.

Table 10. Supply and Disposition of Electricity, 1990, 1995, and 2001 Through 2006
(Million Kilowatthours)

Category	1990	1995	2001	2002	2003	2004	2005	2006
Kentucky								
Supply								
Generation								
Electric Utilities	73,807	86,162	83,678	80,162	80,697	82,921	85,680	86,816
Independent Power Producers	-	-	11,448	11,369	10,566	11,097	11,622	11,449
Electric Power Sector Generation Subtotal	**73,807**	**86,162**	**95,126**	**91,530**	**91,263**	**94,018**	**97,302**	**98,266**
Combined Heat and Power, Commercial	-	-	98	-	-	-	-	-
Combined Heat and Power, Industrial	-	4	194	576	456	512	521	526
Industrial and Commercial Generation Subtotal	**-**	**4**	**291**	**576**	**456**	**512**	**521**	**526**
Total Net Generation	**73,807**	**86,166**	**95,418**	**92,107**	**91,719**	**94,530**	**97,822**	**98,792**
Total Supply	**73,807**	**86,166**	**95,418**	**92,107**	**91,719**	**94,530**	**97,822**	**98,792**
Disposition								
Retail Sales								
Full Service Providers	61,097	74,548	79,975	87,267	85,176	86,521	89,218	88,616
Facility Direct Retail Sales	-	-	-	-	44	-	133	127
Total Electric Industry Retail Sales	**61,097**	**74,548**	**79,975**	**87,267**	**85,220**	**86,521**	**89,351**	**88,743**
Direct Use	**-**	**3**	**182**	**186**	**188**	**188**	**389**	**400**
Total International Exports	-	-	-	-	-	-	*	-
Estimated Losses	**4,581**	**5,659**	**4,286**	**6,459**	**5,690**	**6,765**	**6,687**	**6,515**
Total Disposition	**65,678**	**80,211**	**84,444**	**93,912**	**91,098**	**93,475**	**96,428**	**95,659**
Net Interstate Trade	**8,130**	**5,955**	**10,974**	**-1,805**	**621**	**1,055**	**1,394**	**3,133**
Net Trade Index (ratio)	**1.12**	**1.07**	**1.13**	**0.98**	**1.01**	**1.01**	**1.01**	**1.03**

R = Revised.
NA = Not applicable; NM = Not meaningful.
W = Withheld to avoid disclosure of individual company data.
- = Data not available.
* = 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 10 Notes: Estimated Losses are reported at the utility level, and then allocated to States based on the utility's retail sales by State. Reported losses may include electricity unaccounted for by the utility. Net Interstate Trade represents the difference between the amount of electricity produced in the State and consumed in the State. Positive values indicate a State that is a net interstate exporter of electricity; negative values indicate a State that is a net interstate importer of electricity. The Net Trade Index represents a State's electricity self-sufficiency. Values greater than 1 indicate that, on an annual net basis, the State supplied electricity consumed outside the State; values less than 1 indicate that, on an annual net basis, the State consumed electricity produced outside the State.
General Notes: Table 4 "Other Renewables" includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. The "Other" category includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. However, Table 5 "Other Renewables" includes only biogenic municipal solid waste, in addition to wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. In Table 5 "Other" includes Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. In Table 7, "Other Renewables" emissions include biogenic municipal solid waste, and other renewable 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.

Table 1. 2006 Summary Statistics

Item	Value	U.S. Rank
Louisiana		
NERC Region(s)		**SERC/SPP**
Primary Energy Source		**Gas**
Net Summer Capacity (megawatts)	**26,786**	**14**
Electric Utilities	15,176	17
Independent Power Producers & Combined Heat and Power	11,610	10
Net Generation (megawatthours)	**90,921,829**	**20**
Electric Utilities	40,891,159	27
Independent Power Producers & Combined Heat and Power	50,030,670	8
Emissions (thousand metric tons)		
Sulfur Dioxide	125	20
Nitrogen Oxide	90	16
Carbon Dioxide	54,098	16
Sulfur Dioxide (lbs/MWh)	3.0	33
Nitrogen Oxide (lbs/MWh)	2.2	26
Carbon Dioxide (lbs/MWh)	1,312	28
Total Retail Sales (megawatthours)	**77,467,748**	**20**
Full Service Provider Sales (megawatthours)	77,467,748	19
Direct Use (megawatthours)	**23,505,570**	**2**
Average Retail Price (cents/kWh)	**8.30**	**20**

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capacity, 2006

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
Louisiana			
1. Willow Glen	Gas	Entergy Gulf States Inc	2,045
2. Nine Mile Point	Gas	Entergy Louisiana Inc	1,804
3. Big Cajun 2	Coal	Louisiana Generating LLC	1,730
4. R S Nelson	Coal	Entergy Gulf States Inc	1,416
5. Little Gypsy	Gas	Entergy Louisiana Inc	1,204
6. Waterford 3	Nuclear	Entergy Louisiana Inc	1,152
7. Acadia Energy Center	Gas	Calpine Corp	1,063
8. River Bend	Nuclear	Entergy Gulf States Inc	967
9. Rodemacher	Coal	Cleco Power LLC	963
10. Michoud	Gas	Entergy New Orleans Inc	860

See footnotes at end of tables.

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2006
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
Louisiana						
1. Entergy Louisiana Inc	Investor-Owned	27,386,802	8,512,776	6,115,379	12,758,647	-
2. Entergy Gulf States Inc	Investor-Owned	19,084,027	4,899,127	5,034,500	9,150,400	-
3. Cleco Power LLC	Investor-Owned	9,035,874	3,551,702	2,520,911	2,963,261	-
4. Southwestern Electric Power Co	Investor-Owned	5,581,177	2,368,439	2,314,046	898,692	-
5. Entergy New Orleans Inc	Investor-Owned	3,759,313	913,892	2,295,675	547,171	2,575
Total Sales, Top Five Providers		64,847,193	20,245,936	18,280,511	26,318,171	2,575
Percent of Total State Sales		84	72	83	96	100

See footnotes at end of tables.

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatts)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Louisiana										
Electric Utilities	**16,751**	**17,019**	**14,165**	**14,233**	**14,090**	**14,176**	**15,137[R]**	**15,176**	**86.0**	**56.7**
Coal	3,343	2,843	1,723	1,723	1,723	1,723	1,723	1,723	17.2	6.4
Petroleum	17	35[R]	20	16	16	26	239[R]	239	0.1	0.9
Natural Gas	11,380	12,130[R]	10,350	10,423	10,284	10,372	11,051[R]	11,095	58.4	41.4
Nuclear	2,011	2,011	2,073	2,071	2,067	2,055	2,124	2,119	10.3	7.9
Independent Power Producers and Combined Heat and Power	**2,727**	**2,795**	**7,556**	**11,399**	**11,659**	**12,289**	**11,648[R]**	**11,610**	**14.0**	**43.3**
Coal	14	8	1,783	1,730	1,730	1,730	1,730	1,730	0.1	6.5
Petroleum	-	192	256	259	259	259	46[R]	46	-	0.2
Natural Gas	1,928	1,822	4,987	8,962	9,216	9,632	9,046[R]	8,885	9.9	33.2
Other Gases	114	82	64	62	63	65	64	186	0.6	0.7
Hydroelectric	182	182	192	192	192	192	192	192	0.9	0.7
Other Renewables	469	487	253	170	175	335	333	333	2.4	1.2
Other	21	21	22	24	24	77	238	238	0.1	0.9
Total Electric Industry	**19,479**	**19,814**	**21,721**	**25,633**	**25,749**	**26,465**	**26,785**	**26,786**	**100.0**	**100.0**
Coal	3,357	2,851	3,506	3,453	3,453	3,453	3,453	3,453	17.2	12.9
Petroleum	17	227[R]	275	275	275	285	285	285	0.1	1.1
Natural Gas	13,308	13,952[R]	15,336	19,385	19,499	20,004	20,096	19,980	68.3	74.6
Other Gases	114	82	64	62	63	65	64	186	0.6	0.7
Nuclear	2,011	2,011	2,073	2,071	2,067	2,055	2,124	2,119	10.3	7.9
Hydroelectric	182	182	192	192	192	192	192	192	0.9	0.7
Other Renewables	469	487	253	170	175	335	333	333	2.4	1.2
Other	21	21	22	24	24	77	238	238	0.1	0.9

See footnotes at end of tables.

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatthours)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Louisiana										
Electric Utilities	**58,168,408**	**65,555,229**	**50,378,001**	**54,921,960**	**43,485,059**	**47,603,602**	**44,157,533**	**40,891,159**	**76.1**	**45.0**
Coal	17,800,084	18,954,264	10,917,220	12,258,694	11,020,325	11,324,239	11,415,901	11,544,776	23.3	12.7
Petroleum	130,260	48,558	1,722,244	68,460	1,007,874	3,693,520	3,377,765	1,756,919	0.2	1.9
Natural Gas	26,041,280	30,866,507	20,402,402	25,085,994	15,093,742	15,138,928	13,687,514	10,854,016	34.1	11.9
Other Gases	-	-	-	203,484	236,796	366,934	-	-	-	-
Nuclear	14,196,784	15,685,900	17,336,135	17,305,328	16,126,322	17,079,981	15,676,353	16,735,448	18.6	18.4
Independent Power Producers and Combined Heat and Power	**18,297,222**	**19,004,495**	**37,516,376**	**40,049,003**	**51,399,981**	**50,568,706**	**48,459,345**	**50,030,670**	**23.9**	**55.0**
Coal	56,603	35,210	11,050,926	9,792,212	11,868,605	12,328,719	11,654,441	12,834,617	0.1	14.1
Petroleum	101,838	1,437,656	1,727,695	1,796,076	1,930,074	152,391	108,170	94,210	0.1	0.1
Natural Gas	13,433,586	12,351,240	19,970,352	22,814,853	30,340,455	30,678,522	29,871,679	29,645,416	17.6	32.6
Other Gases	440,700	982,181	440,544	1,294,140	2,450,434	2,827,222	2,748,047[R]	2,342,158	0.6	2.6
Hydroelectric	656,492	952,144	732,217	891,441	891,991	1,098,825	810,948	713,215	0.9	0.8
Other Renewables	2,315,184	2,645,416	2,704,289	2,810,480	3,078,304	2,707,787	2,724,494	3,031,027	3.0	3.3
Other	1,292,819	600,648	890,353	649,801	840,117	775,241	541,566	1,370,028	1.7	1.5
Total Electric Industry	**76,465,630**	**84,559,724**	**87,894,377**	**94,970,963**	**94,885,040**	**98,172,308**	**92,616,878**	**90,921,829**	**100.0**	**100.0**
Coal	17,856,687	18,989,474	21,968,146	22,050,906	22,888,930	23,652,958	23,070,342	24,379,393	23.4	26.8
Petroleum	232,098	1,486,214	3,449,939	1,864,536	2,937,948	3,845,911	3,485,935	1,851,129	0.3	2.0
Natural Gas	39,474,866	43,217,747	40,372,754	47,900,847	45,434,197	45,817,450	43,559,193	40,499,432	51.6	44.5
Other Gases	440,700	982,181	440,544	1,497,624	2,687,230	3,194,156	2,748,047[R]	2,342,158	0.6	2.6
Nuclear	14,196,784	15,685,900	17,336,135	17,305,328	16,126,322	17,079,981	15,676,353	16,735,448	18.6	18.4
Hydroelectric	656,492	952,144	732,217	891,441	891,991	1,098,825	810,948	713,215	0.9	0.8
Other Renewables	2,315,184	2,645,416	2,704,289	2,810,480	3,078,304	2,707,787	2,724,494	3,031,027	3.0	3.3
Other	1,292,819	600,648	890,353	649,801	840,117	775,241	541,566	1,370,028	1.7	1.5

See footnotes at end of tables.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1990, 1995, and 2001 Through 2006

Fuel, Quality	1990	1995	2001	2002	2003	2004	2005	2006
Louisiana								
Coal (cents per million Btu)	170	155	131	W	W	W	W	W
Average heat value (Btu per pound)	8,194	8,110	8,030	8,095	8,023	8,146	8,136	8,205
Average sulfur Content (percent)	0.49	0.58	0.74	0.52	0.50	0.51	0.54	0.49
Petroleum (cents per million Btu)	371	348	519	63	247	286	427	W
Average heat value (Btu per gallon)	144,962	141,543	145,238	140,393	145,807	147,379	147,057	142,607
Average sulfur Content (percent)	0.36	0.08	0.70	5.40	3.77	3.45	3.34	4.92
Natural Gas (cents per million Btu)	166	181	413	342	561	633	879	737
Average heat value (Btu per cubic foot)	1,045	1,043	1,040	1,034	1,033	1,031	1,034	1,035

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1990, 1995, and 2001 Through 2006
(Thousand Metric Tons)

Emission Type	1990	1995	2001	2002	2003	2004	2005	2006
Louisiana								
Sulfur Dioxide								
Coal	91	124	87	89	87	87	82	81
Petroleum	3	86	79	61	83	20	19	17
Natural Gas	*	*	*	*	*	*	*	*
Other	18	20	19	21	24	25	27	27
Total	112	231	185	171	195	132	128	125
Nitrogen Oxide								
Coal	83	83	38	39	39	37	35	33
Petroleum	*	5	10	7	9	4	3	3
Natural Gas	55	61	68	52	53	50	43	40
Other	13	6	10	13	14	15	14	14
Total	152	156	126	110	115	106	96	90
Carbon Dioxide								
Coal	18,666	20,140	22,946	22,192	23,600	24,563	24,315	25,371
Petroleum	202	1,875	3,528	2,042	3,009	4,356	3,834	2,564
Natural Gas	25,702	28,997	27,846	30,523	29,037	29,157	28,652	25,809
Other Renewables	-	-	129	162	253	302	300	354
Total	44,570	51,012	54,449	54,920	55,899	58,378	57,101	54,098

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1990, 1995, and 2001 Through 2006

Sector	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Louisiana										
Retail Sales (thousand megawatthours)										
Residential	21,434	24,116	25,800	28,157	28,572	28,863	28,654	28,113	33.6	36.3
Commercial	13,814	15,575	17,722	18,686	21,944	22,568	21,692	21,979	21.6	28.4
Industrial	25,862	30,692	28,574	29,662	27,251	28,290	27,031	27,373	40.5	35.3
Other	2,716	2,444	2,596	2,756	NA	NA	NA	NA	4.3	NA
Transportation	NA	NA	NA	NA	3	16	12	3	NA	*
All Sectors	63,826	72,827	74,693	79,261	77,769	79,737	77,389	77,468	100.0	100.0
Retail Revenue (million dollars)										
Residential	1,587	1,744	2,044	2,000	2,241	2,324	2,542	2,568	41.4	39.9
Commercial	973	1,055	1,343	1,242	1,628	1,710	1,857	1,984	25.4	30.8
Industrial	1,083	1,219	1,596	1,310	1,518	1,646	1,814	1,881	28.3	29.2
Other	187	170	219	194	NA	NA	NA	NA	4.9	NA
Transportation	NA	NA	NA	NA	*	1	1	*	NA	*
All Sectors	3,830	4,189	5,201	4,746	5,387	5,682	6,214	6,433	100.0	100.0
Average Retail Prices (cents/KWh)										
Residential	7.41	7.23	7.92	7.10	7.84	8.05	8.87	9.14	NA	NA
Commercial	7.05	6.77	7.58	6.64	7.42	7.58	8.56	9.03	NA	NA
Industrial	4.19	3.97	5.58	4.42	5.57	5.82	6.71	6.87	NA	NA
Other	6.88	6.97	8.43	7.05	NA	NA	NA	NA	NA	NA
Transportation	NA	NA	NA	NA	7.32	7.09	7.63	14.10	NA	NA
All Sectors	6.00	5.75	6.96	5.99	6.93	7.13	8.03	8.30	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2006

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Louisiana								
Number of Entities	5	22	NA	13	NA	NA	NA	40
Number of Retail Customers	1,579,963	156,155	NA	400,346	NA	NA	NA	2,136,464
Retail Sales (thousand megawatthours)	64,847	4,456	NA	8,164	NA	NA	NA	77,468
Percentage of Retail Sales	83.71	5.75	NA	10.54	NA	NA	NA	100.00
Revenue from Retail Sales (million dollars)	5,478	370	NA	585	NA	NA	NA	6,433
Percentage of Revenue	85.15	5.75	NA	9.10	NA	NA	NA	100.00
Average Retail Price (cents/kWh)	8.45	8.30	NA	7.17	NA	NA	NA	8.30

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 services. 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.

Table 10. Supply and Disposition of Electricity, 1990, 1995, and 2001 Through 2006
(Million Kilowatthours)

Category	1990	1995	2001	2002	2003	2004	2005	2006
Louisiana								
Supply								
Generation								
Electric Utilities	58,168	65,555	50,378	54,922	43,485	47,604	44,158	40,891
Independent Power Producers	866	1,162	14,007	16,941	21,184	18,811	18,095	18,740
Combined Heat and Power, Electric	1,604	1,404	1,551	1,650	1,845	5,233	8,254	4,165
Electric Power Sector Generation Subtotal	**60,638**	**68,121**	**65,936**	**73,513**	**66,513**	**71,648**	**70,507**	**63,796**
Combined Heat and Power, Commercial	31	28	65	32	23	20	38	39
Combined Heat and Power, Industrial	15,797	16,410	21,893	21,426	28,348	26,505	22,072	27,087
Industrial and Commercial Generation Subtotal	**15,828**	**16,438**	**21,958**	**21,458**	**28,372**	**26,525**	**22,110**	**27,125**
Total Net Generation	**76,466**	**84,560**	**87,894**	**94,971**	**94,885**	**98,172**	**92,617**	**90,922**
Total Supply	**76,466**	**84,560**	**87,894**	**94,971**	**94,885**	**98,172**	**92,617**	**90,922**
Disposition								
Retail Sales								
Full Service Providers	63,826	72,827	74,693	79,261	77,727	79,737	77,389	77,468
Facility Direct Retail Sales	-	-	-	-	43	-	-	-
Total Electric Industry Retail Sales	**63,826**	**72,827**	**74,693**	**79,261**	**77,769**	**79,737**	**77,389**	**77,468**
Direct Use	**17,277**	**16,486**	**21,308**	**21,772**	**22,048**	**22,071**	**20,420**	**23,506**
Estimated Losses	**4,785**	**5,529**	**4,920**	**4,696**	**4,199**	**5,186**	**5,525**	**5,464**
Total Disposition	**85,888**	**94,842**	**100,921**	**105,728**	**104,017**	**106,995**	**103,334**	**106,438**
Net Interstate Trade	**-9,423**	**-10,282**	**-13,027**	**-10,757**	**-9,132**	**-8,822**	**-10,718**	**-15,516**
Net Trade Index (ratio)	**0.89**	**0.89**	**0.87**	**0.90**	**0.91**	**0.92**	**0.90**	**0.85**

R = Revised.
NA = Not applicable; NM = Not meaningful.
W = Withheld to avoid disclosure of individual company data.
- = Data not available.
* = 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 10 Notes: Estimated Losses are reported at the utility level, and then allocated to States based on the utility's retail sales by State. Reported losses may include electricity unaccounted for by the utility. Net Interstate Trade represents the difference between the amount of electricity produced in the State and consumed in the State. Positive values indicate a State that is a net interstate exporter of electricity; negative values indicate a State that is a net interstate importer of electricity. The Net Trade Index represents a State's electricity self-sufficiency. Values greater than 1 indicate that, on an annual net basis, the State supplied electricity consumed outside the State; values less than 1 indicate that, on an annual net basis, the State consumed electricity produced outside the State.
General Notes: Table 4 "Other Renewables" includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. The "Other" category includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. However, Table 5 "Other Renewables" includes only biogenic municipal solid waste, in addition to wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. In Table 5 "Other" includes Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. In Table 7, "Other Renewables" emissions include biogenic municipal solid waste, and other renewable 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.

Table 1. 2006 Summary Statistics

Item	Value	U.S. Rank
Maine		
NERC Region(s)		**NPCC**
Primary Energy Source		**Gas**
Net Summer Capacity (megawatts)	**4,187**	**43**
Electric Utilities	19	49
Independent Power Producers & Combined Heat and Power	4,168	22
Net Generation (megawatthours)	**16,816,173**	**43**
Electric Utilities	489	50
Independent Power Producers & Combined Heat and Power	16,815,684	18
Emissions (thousand metric tons)		
Sulfur Dioxide	17	41
Nitrogen Oxide	10	45
Carbon Dioxide	5,635	45
Sulfur Dioxide (lbs/MWh)	2.2	36
Nitrogen Oxide (lbs/MWh)	1.4	39
Carbon Dioxide (lbs/MWh)	739	43
Total Retail Sales (megawatthours)	**12,284,768**	**42**
Full Service Provider Sales (megawatthours)	831,667	51
Deregulated Sales (megawatthours)	11,453,101	8
Direct Use (megawatthours)	**4,344,309**	**8**
Average Retail Price (cents/kWh)	**11.80**	**10**

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capacity, 2006

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
Maine			
1. William F Wyman	Petroleum	FPL Energy Wyman LLC	824
2. Westbrook Energy Center	Gas	Calpine Operating Services Cpompany Inc	506
3. Maine Independence Station	Gas	Casco Bay Energy Co LLC	490
4. Bucksport Mill	Gas	Verso Paper - Bucksport	269
5. Rumford Power Associates	Gas	Rumford Power	254
6. Great Lakes Hydro America - ME	Hydroelectric	Great Lakes Hydro America LLC	129
7. Androscoggin Energy Center	Gas	Verso Paper Androscoggin LLC	127
8. Somerset Plant	Other Renewables	Sappi Fine Paper North America-Somerset	115
9. Millinocket Mill	Petroleum	Katahdin Paper Inc	103
10. Harris	Hydroelectric	FPL Energy Maine Hydro LLC	87

See footnotes at end of tables.

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2006
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
Maine						
1. CECG Maine, LLC	Other Provider	5,245,026	4,318,319	854,063	72,644	-
2. Constellation NewEnergy, Inc	Other Provider	2,263,809	-	2,105,388	158,421	-
3. WPS Energy Services	Other Provider	1,164,068	371,685	563,802	228,581	-
4. NewPage Corporation	Facility	662,852	-	-	662,852	-
5. Tractebel Energy Services Inc	Other Provider	297,619	-	297,619	-	-
Total Sales, Top Five Providers		9,633,374	4,690,004	3,820,872	1,122,498	-
Percent of Total State Sales		78	100	92	30	-

See footnotes at end of tables.

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatts)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Maine										
Electric Utilities	**2,407**	**2,432**	**17**	**16**	**19**	**19**	**19[R]**	**19**	**64.7**	**0.5**
Petroleum	1,126	1,109	17	16	19	19	19[R]	19	30.3	0.5
Nuclear	860	870	-	-	-	-	-	-	23.1	-
Hydroelectric	420	421	-	-	-	-	-	-	11.3	-
Other Renewables	-	32	-	-	-	-	-	-	-	-
Independent Power Producers and Combined Heat and Power	**1,312**	**1,358**	**4,191**	**4,272**	**4,266**	**4,170**	**4,166[R]**	**4,168**	**35.3**	**99.5**
Coal	100	96	85	85	85	85	85[R]	85	2.7	2.0
Petroleum	230	196	1,046	1,097	1,097	1,010	1,010[R]	1,010	6.2	24.1
Natural Gas	25	-	1,659	1,674	1,670	1,658	1,658	1,655	0.7	39.5
Hydroelectric	339	352	681	718	721	722	720	719	9.1	17.2
Other Renewables	619	714	720	698	693	695	693	699	16.6	16.7
Total Electric Industry	**3,719**	**3,790**	**4,208**	**4,288**	**4,285**	**4,190**	**4,185**	**4,187**	**100.0**	**100.0**
Coal	100	96	85	85	85	85	85	85	2.7	2.0
Petroleum	1,356	1,305	1,063	1,113	1,116	1,029	1,030	1,030	36.5	24.6
Natural Gas	25	-	1,659	1,674	1,670	1,658	1,658	1,655	0.7	39.5
Nuclear	860	870	-	-	-	-	-	-	23.1	-
Hydroelectric	759	773	681	718	721	722	720	719	20.4	17.2
Other Renewables	619	746	720	698	693	695	693	699	16.6	16.7

See footnotes at end of tables.

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatthours)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Maine										
Electric Utilities	**9,063,595**	**2,668,381**	**-**	**865**	**1,409**	**1,121**	**827**	**489**	**56.8**	*****
Petroleum	2,092,804	812,024	-	865	1,409	1,121	827	489	13.1	*
Nuclear	4,860,727	197,577	-	-	-	-	-	-	30.5	-
Hydroelectric	2,110,064	1,658,481	-	-	-	-	-	-	13.2	-
Other Renewables	-	299	-	-	-	-	-	-	-	-
Independent Power Producers and Combined Heat and Power	**6,882,419**	**7,094,670**	**19,564,821**	**22,534,169**	**18,970,227**	**19,097,765**	**18,843,151**	**16,815,684**	**43.2**	**100.0**
Coal	453,218	540,591	528,412	603,938	376,532	360,821	322,359	322,230	2.8	1.9
Petroleum	988,296	1,220,208	2,101,522	1,228,621	1,918,139	1,310,330	1,610,870	584,638	6.2	3.5
Natural Gas	50,786	7,219	10,052,949	13,503,963	9,438,704	9,826,264	8,398,454	7,299,020	0.3	43.4
Other Gases	-	5,290	-	48	34	38	54	-	-	-
Hydroelectric	1,980,472	1,695,431	2,645,123	2,767,847	3,172,623	3,430,249	4,090,926	4,278,132	12.4	25.4
Other Renewables	3,409,647	3,625,931	3,825,725	4,043,533	3,586,010	3,583,907	4,074,990[R]	3,974,084	21.4	23.6
Other	-	-	411,090	386,219	478,184	586,156	345,498	357,580	-	2.1
Total Electric Industry	**15,946,014**	**9,763,051**	**19,564,821**	**22,535,034**	**18,971,636**	**19,098,886**	**18,843,978**	**16,816,173**	**100.0**	**100.0**
Coal	453,218	540,591	528,412	603,938	376,532	360,821	322,359	322,230	2.8	1.9
Petroleum	3,081,100	2,032,232	2,101,522	1,229,486	1,919,548	1,311,451	1,611,697	585,127	19.3	3.5
Natural Gas	50,786	7,219	10,052,949	13,503,963	9,438,704	9,826,264	8,398,454	7,299,020	0.3	43.4
Other Gases	-	5,290	-	48	34	38	54	-	-	-
Nuclear	4,860,727	197,577	-	-	-	-	-	-	30.5	-
Hydroelectric	4,090,536	3,353,912	2,645,123	2,767,847	3,172,623	3,430,249	4,090,926	4,278,132	25.7	25.4
Other Renewables	3,409,647	3,626,230	3,825,725	4,043,533	3,586,010	3,583,907	4,074,990[R]	3,974,084	21.4	23.6
Other	-	-	411,090	386,219	478,184	586,156	345,498	357,580	-	2.1

See footnotes at end of tables.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1990, 1995, and 2001 Through 2006

Fuel, Quality	1990	1995	2001	2002	2003	2004	2005	2006
Maine								
Coal (cents per million Btu)	-	-	-	241	W	W	W	W
Average heat value (Btu per pound)	-	-	-	13,138	13,124	12,854	12,823	12,784
Average sulfur Content (percent)	-	-	-	0.71	0.69	0.77	0.78	0.70
Petroleum (cents per million Btu)	279	261	-	388	556	504	W	762
Average heat value (Btu per gallon)	149,990	150,612	-	150,960	150,319	151,731	152,776	152,495
Average sulfur Content (percent)	0.88	0.74	-	1.15	0.81	1.02	1.12	1.33
Natural Gas (cents per million Btu)	-	-	-	391	584	628	W	W
Average heat value (Btu per cubic foot)	-	-	-	1,042	1,042	1,044	1,058	1,062

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1990, 1995, and 2001 Through 2006
(Thousand Metric Tons)

Emission Type	1990	1995	2001	2002	2003	2004	2005	2006
Maine								
Sulfur Dioxide								
Coal	5	3	1	1	1	2	2	2
Petroleum	39	7	21	10	9	9	11	7
Natural Gas	-	-	*	*	*	*	*	*
Other	8	11	7	10	9	9	9	8
Total	52	21	29	22	20	20	22	17
Nitrogen Oxide								
Coal	3	3	1	1	1	1	1	1
Petroleum	7	5	4	2	3	2	3	2
Natural Gas	*	*	2	1	2	2	*	*
Other	5	6	8	8	7	7	7	7
Total	14	14	16	12	13	12	12	10
Carbon Dioxide								
Coal	724	799	901	1,368	633	648	608	604
Petroleum	4,188	3,653	2,978	1,982	2,438	1,990	2,473	1,405
Natural Gas	10	6	4,490	6,172	4,149	4,251	3,460	3,105
Other Renewables	230	391	424	625	488	448	517	521
Total	5,152	4,848	8,793	10,147	7,708	7,337	7,058	5,635

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1990, 1995, and 2001 Through 2006

Sector	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Maine										
Retail Sales (thousand megawatthours)										
Residential	3,932	3,629	3,903	4,043	4,219	4,331	4,503	4,351	34.1	35.4
Commercial	2,673	2,835	3,779	3,789	3,959	4,325	4,157	4,134	23.2	33.7
Industrial	4,750	4,959	4,413	3,550	3,793	3,711	3,702	3,800	41.2	30.9
Other	174	138	57	59	NA	NA	NA	NA	1.5	NA
All Sectors	11,529	11,561	12,152	11,441	11,972	12,368	12,363	12,285	100.0	100.0
Retail Revenue (million dollars)										
Residential	366	454	512	515	522	527	596	601	41.4	41.4
Commercial	214	292	440	405	409	428	442	514	24.3	35.4
Industrial	283	330	315	250	241	244	269	336	32.1	23.1
Other	19	22	15	14	NA	NA	NA	NA	2.1	NA
All Sectors	882	1,097	1,282	1,184	1,172	1,198	1,307	1,450	100.0	100.0
Average Retail Prices (cents/KWh)										
Residential	9.30	12.51	13.13	12.74	12.37	12.16	13.23	13.80	NA	NA
Commercial	8.03	10.28	11.64	10.68	10.34	9.89	10.63	12.42	NA	NA
Industrial	5.96	6.65	7.15	7.05	6.35	6.56	7.28	8.83	NA	NA
Other	10.85	15.67	25.40	23.39	NA	NA	NA	NA	NA	NA
All Sectors	7.65	9.49	10.55	10.35	9.79	9.69	10.57	11.80	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2006

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Maine								
Number of Entities	1	4	NA	3	1	16	6	31
Number of Retail Customers	33	10,101	NA	2,471	1	762,050	NA	774,656
Retail Sales (thousand megawatthours)	*	154	NA	14	663	11,453	NA	12,285
Percentage of Retail Sales	*	1.26	NA	0.12	5.40	93.23	NA	100.00
Revenue from Retail Sales (million dollars)	*	18	NA	4	37	839	552	1,450
Percentage of Revenue	*	1.26	NA	0.25	2.53	57.86	38.11	100.00
Average Retail Price (cents/kWh)	13.38	11.83	NA	24.90	5.53	7.32	4.82	11.80

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 services. 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.

Table 10. Supply and Disposition of Electricity, 1990, 1995, and 2001 Through 2006
(Million Kilowatthours)

Category	1990	1995	2001	2002	2003	2004	2005	2006
Maine								
Supply								
Generation								
Electric Utilities	9,064	2,668	-	1	1	1	1	*
Independent Power Producers	1,880	1,501	12,050	13,006	11,668	12,630	13,127	11,091
Combined Heat and Power, Electric	473	803	2,924	3,212	1,691	1,400	730	701
Electric Power Sector Generation Subtotal	**11,417**	**4,972**	**14,975**	**16,219**	**13,361**	**14,031**	**13,858**	**11,792**
Combined Heat and Power, Commercial	167	207	180	180	183	176	177	172
Combined Heat and Power, Industrial	4,362	4,584	4,410	6,136	5,428	4,892	4,809	4,852
Industrial and Commercial Generation Subtotal	**4,529**	**4,791**	**4,590**	**6,316**	**5,611**	**5,068**	**4,986**	**5,024**
Total Net Generation	**15,946**	**9,763**	**19,565**	**22,535**	**18,972**	**19,099**	**18,844**	**16,816**
Total International Imports	**2,339**	**4,622**	**2,902**	**2,277**	**2,676**	**3,922**	**4,391**	**3,779**
Total Supply	**18,285**	**14,385**	**22,466**	**24,812**	**21,647**	**23,021**	**23,235**	**20,595**
Disposition								
Retail Sales								
Full Service Providers	11,529	11,561	3,985	1,025	398	463	173	169
Energy-Only Providers	-	-	8,167	10,416	11,203	11,775	11,993	11,453
Facility Direct Retail Sales	-	-	-	-	371	130	196	663
Total Electric Industry Retail Sales	**11,529**	**11,561**	**12,152**	**11,441**	**11,972**	**12,368**	**12,363**	**12,285**
Direct Use	**4,251**	**4,401**	**4,221**	**4,313**	**4,368**	**4,372**	**2,588**	**4,344**
Total International Exports	**115**	**45**	**81**	**192**	**236**	**124**	**368**	**592**
Estimated Losses	**864**	**878**	**1,437**	**424**	**304**	**446**	**489**	**376**
Total Disposition	**16,760**	**16,885**	**17,891**	**16,371**	**16,880**	**17,310**	**15,808**	**17,597**
Net Interstate Trade	**1,525**	**-2,499**	**4,575**	**8,442**	**4,767**	**5,710**	**7,427**	**2,998**
Net Trade Index (ratio)	**1.09**	**0.85**	**1.26**	**1.52**	**1.28**	**1.33**	**1.47**	**1.17**

R = Revised.
NA = Not applicable; NM = Not meaningful.
W = Withheld to avoid disclosure of individual company data.
- = Data not available.
* = 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 10 Notes: Estimated Losses are reported at the utility level, and then allocated to States based on the utility's retail sales by State. Reported losses may include electricity unaccounted for by the utility. Net Interstate Trade represents the difference between the amount of electricity produced in the State and consumed in the State. Positive values indicate a State that is a net interstate exporter of electricity; negative values indicate a State that is a net interstate importer of electricity. The Net Trade Index represents a State's electricity self-sufficiency. Values greater than 1 indicate that, on an annual net basis, the State supplied electricity consumed outside the State; values less than 1 indicate that, on an annual net basis, the State consumed electricity produced outside the State.
General Notes: Table 4 "Other Renewables" includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. The "Other" category includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. However, Table 5 "Other Renewables" includes only biogenic municipal solid waste, in addition to wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. In Table 5 "Other" includes Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. In Table 7, "Other Renewables" emissions include biogenic municipal solid waste, and other renewable 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.

Table 1. 2006 Summary Statistics

Item	Value	U.S. Rank
Maryland		
NERC Region(s)		**RFC**
Primary Energy Source		**Coal**
Net Summer Capacity (megawatts)	**12,500**	**29**
Electric Utilities	79	46
Independent Power Producers & Combined Heat and Power	12,421	9
Net Generation (megawatthours)	**48,956,880**	**29**
Electric Utilities	11,941	48
Independent Power Producers & Combined Heat and Power	48,944,939	9
Emissions (thousand metric tons)		
Sulfur Dioxide	271	13
Nitrogen Oxide	62	29
Carbon Dioxide	30,497	31
Sulfur Dioxide (lbs/MWh)	12.2	3
Nitrogen Oxide (lbs/MWh)	2.8	20
Carbon Dioxide (lbs/MWh)	1,373	26
Total Retail Sales (megawatthours)	**63,173,143**	**24**
Full Service Provider Sales (megawatthours)	41,666,356	30
Deregulated Sales (megawatthours)	21,506,787	3
Direct Use (megawatthours)	**1,323,256**	**25**
Average Retail Price (cents/kWh)	**9.95**	**16**

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capacity, 2006

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
Maryland			
1. Chalk Point LLC	Coal	Mirant Chalk Point LLC	2,429
2. Calvert Cliffs Nuclear Power Plant	Nuclear	Calvert Cliffs Nuclear PP Inc	1,735
3. Morgantown Generating Plant	Coal	Mirant Mid-Atlantic LLC	1,492
4. Brandon Shores	Coal	Constellation Power Source Gen	1,286
5. Herbert A Wagner	Coal	Constellation Power Source Gen	1,001
6. Dickerson	Coal	Mirant Mid-Atlantic LLC	853
7. Rock Springs Generation Facility	Gas	CED Operating Co LLC	632
8. Conowingo	Hydroelectric	Susquehanna Electric Co	548
9. C P Crane	Coal	Constellation Power Source Gen	399
10. Perryman	Gas	Constellation Power Source Gen	360

See footnotes at end of tables.

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2006
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
Maryland						
1. Baltimore Gas & Electric Co	Investor-Owned	19,607,278	12,816,206	6,324,471	466,601	-
2. Potomac Electric Power Co	Investor-Owned	8,952,690	5,445,274	3,507,416	-	-
3. PEPCO Energy Services	Other Provider	6,173,019	57,419	5,914,384	-	201,216
4. Constellation NewEnergy, Inc	Other Provider	5,070,484	-	3,904,706	992,093	173,685
5. The Potomac Edison Co	Investor-Owned	4,966,324	3,128,319	1,307,293	530,712	-
Total Sales, Top Five Providers		44,769,795	21,447,218	20,958,270	1,989,406	374,901
Percent of Total State Sales		71	80	70	33	78

See footnotes at end of tables.

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatts)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Maryland										
Electric Utilities	**9,758**	**10,957**	**70**	**69**	**70**	**79**	**79**	**79**	**97.0**	**0.6**
Coal	3,975	4,636	-	-	-	-	-	-	39.5	-
Petroleum	2,479[R]	1,394[R]	70	69	70	79	79	79	24.7	0.6
Natural Gas	1,225[R]	2,722[R]	-	-	-	-	-	-	12.2	-
Nuclear	1,650	1,675	-	-	-	-	-	-	16.4	-
Hydroelectric	428	530	-	-	-	-	-	-	4.3	-
Independent Power Producers and Combined Heat and Power	**299**	**363**	**11,859**	**11,790**	**12,401**	**12,419**	**12,423**	**12,421**	**3.0**	**99.4**
Coal	70	60	4,586	4,897	4,957	4,958	4,958	4,958	0.7	39.7
Petroleum	2	2	3,243	2,853	2,752	3,343	3,343	3,061	*	24.5
Natural Gas	162	172	1,490	1,490	2,144	1,538	1,542	1,821	1.6	14.6
Other Gases	-	-	153	152	152	152	152	152	-	1.2
Nuclear	-	-	1,675	1,685	1,703	1,735	1,735	1,735	-	13.9
Hydroelectric	-	-	530	530	566	566	566	566	-	4.5
Other Renewables	65	129	183	183	127	127	127	127	0.6	1.0
Total Electric Industry	**10,056**	**11,321**	**11,930**	**11,859**	**12,472**	**12,499**	**12,503**	**12,500**	**100.0**	**100.0**
Coal	4,045	4,696	4,586	4,897	4,957	4,958	4,958	4,958	40.2	39.7
Petroleum	2,481[R]	1,396[R]	3,313	2,922	2,822	3,422	3,422	3,140	24.7	25.1
Natural Gas	1,388[R]	2,894[R]	1,490	1,490	2,144	1,538	1,542	1,821	13.8	14.6
Other Gases	-	-	153	152	152	152	152	152	-	1.2
Nuclear	1,650	1,675	1,675	1,685	1,703	1,735	1,735	1,735	16.4	13.9
Hydroelectric	428	530	530	530	566	566	566	566	4.3	4.5
Other Renewables	65	129	183	183	127	127	127	127	0.6	1.0

See footnotes at end of tables.

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatthours)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Maryland										
Electric Utilities	**31,497,406**	**44,658,945**	**88,150**	**30,734**	**51,722**	**30,023**	**44,235**	**11,941**	**95.0**	*****
Coal	23,299,412	27,369,905	-	-	-	-	-	-	70.3	-
Petroleum	3,328,080	1,407,598	87,790	30,734	51,722	30,023	44,235	11,941	10.0	*
Natural Gas	1,319,588	1,501,465	360	-	-	-	-	-	4.0	-
Nuclear	1,251,416	12,937,971	-	-	-	-	-	-	3.8	-
Hydroelectric	2,298,910	1,442,006	-	-	-	-	-	-	6.9	-
Independent Power Producers and Combined Heat and Power	**1,664,886**	**1,706,698**	**48,974,190**	**48,248,354**	**52,192,515**	**52,022,747**	**52,617,365[R]**	**48,944,939**	**5.0**	**100.0**
Coal	210,450	225,351	28,379,409	28,712,053	29,939,086	29,215,529	29,313,922	29,404,947	0.6	60.1
Petroleum	243,192	71,871	2,933,849	2,251,698	3,520,461	3,265,890	3,773,349	569,791	0.7	1.2
Natural Gas	202,855	47,419	1,760,452	2,214,431	1,195,643	1,183,005	1,873,659	1,768,346	0.6	3.6
Other Gases	488,197	685,721	439,980	504,513	325,355	412,690	343,168	333,298	1.5	0.7
Nuclear	-	-	13,656,267	12,128,005	13,690,713	14,580,260	14,703,221	13,830,411	-	28.3
Hydroelectric	-	-	1,183,518	1,660,989	2,646,984	2,507,521	1,703,639	2,104,275	-	4.3
Other Renewables	520,192	676,336	373,015	521,631	596,050	569,265	612,871	629,242	1.6	1.3
Other	-	-	247,700	255,034	278,224	288,586	293,536	304,628	-	0.6
Total Electric Industry	**33,162,292**	**46,365,643**	**49,062,340**	**48,279,088**	**52,244,237**	**52,052,770**	**52,661,600[R]**	**48,956,880**	**100.0**	**100.0**
Coal	23,509,862	27,595,256	28,379,409	28,712,053	29,939,086	29,215,529	29,313,922	29,404,947	70.9	60.1
Petroleum	3,571,272	1,479,469	3,021,639	2,282,432	3,572,183	3,295,913	3,817,584	581,732	10.8	1.2
Natural Gas	1,522,443	1,548,884	1,760,812	2,214,431	1,195,643	1,183,005	1,873,659	1,768,346	4.6	3.6
Other Gases	488,197	685,721	439,980	504,513	325,355	412,690	343,168	333,298	1.5	0.7
Nuclear	1,251,416	12,937,971	13,656,267	12,128,005	13,690,713	14,580,260	14,703,221	13,830,411	3.8	28.3
Hydroelectric	2,298,910	1,442,006	1,183,518	1,660,989	2,646,984	2,507,521	1,703,639	2,104,275	6.9	4.3
Other Renewables	520,192	676,336	373,015	521,631	596,050	569,265	612,871	629,242	1.6	1.3
Other	-	-	247,700	255,034	278,224	288,586	293,536	304,628	-	0.6

See footnotes at end of tables.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1990, 1995, and 2001 Through 2006

Fuel, Quality	1990	1995	2001	2002	2003	2004	2005	2006
Maryland								
Coal (cents per million Btu)	165	150	-	163	163	174	192	227
Average heat value (Btu per pound)	12,734	12,965	-	12,799	12,708	12,653	12,638	12,504
Average sulfur Content (percent)	1.44	1.06	-	1.13	1.07	1.25	1.32	1.28
Petroleum (cents per million Btu)	316	275	-	375	534	552	788	1,013
Average heat value (Btu per gallon)	149,602	150,162	-	150,717	148,564	149,417	148,498	146,088
Average sulfur Content (percent)	1.20	0.88	-	0.65	0.61	0.54	0.64	0.48
Natural Gas (cents per million Btu)	245	216	-	416	537	553	991	748
Average heat value (Btu per cubic foot)	1,042	1,039	-	1,035	1,047	1,048	1,046	1,043

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1990, 1995, and 2001 Through 2006
(Thousand Metric Tons)

Emission Type	1990	1995	2001	2002	2003	2004	2005	2006
Maryland								
Sulfur Dioxide								
Coal	241	200	235	241	248	261	258	256
Petroleum	26	11	11	8	14	13	16	12
Natural Gas	*	*	*	*	*	*	*	*
Other	2	3	4	2	2	2	2	2
Total	270	213	250	251	264	277	276	271
Nitrogen Oxide								
Coal	91	85	61	62	57	51	50	47
Petroleum	7	2	6	5	8	7	8	5
Natural Gas	3	2	2	3	1	3	2	7
Other	1	2	8	3	4	4	4	4
Total	102	92	78	73	70	65	64	62
Carbon Dioxide								
Coal	21,857	25,173	26,122	27,238	28,366	27,868	28,224	28,041
Petroleum	3,685	1,457	2,653	1,984	2,968	2,811	3,282	548
Natural Gas	1,221	1,144	1,101	1,360	674	739	1,238	1,302
Other Renewables	292	468	544	587	595	593	581	606
Total	27,053	28,242	30,420	31,169	32,604	32,010	33,325	30,497

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1990, 1995, and 2001 Through 2006

Sector	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Maryland										
Retail Sales (thousand megawatthours)										
Residential	19,102	22,234	24,294	25,489	26,671	27,952	28,440	26,905	38.6	42.6
Commercial	10,452	23,096	26,244	21,044	16,950	17,264	17,932	29,729	21.1	47.1
Industrial	19,308	10,057	10,177	20,875	27,176	21,195	21,517	6,057	39.0	9.6
Other	672	771	926	972	NA	NA	NA	NA	1.4	NA
Transportation	NA	NA	NA	NA	461	481	477	482	NA	0.8
All Sectors	49,534	56,158	61,640	68,380	71,259	66,892	68,365	63,173	100.0	100.0
Retail Revenue (million dollars)										
Residential	1,380	1,875	1,864	1,973	2,060	2,181	2,405	2,614	44.2	41.6
Commercial	702	1,596	1,669	1,328	1,178	1,304	1,608	3,141	22.5	49.9
Industrial	984	425	445	836	1,329	1,269	1,509	493	31.5	7.8
Other	56	68	87	92	NA	NA	NA	NA	1.8	NA
Transportation	NA	NA	NA	NA	27	31	37	41	NA	0.6
All Sectors	3,121	3,964	4,066	4,229	4,594	4,785	5,559	6,288	100.0	100.0
Average Retail Prices (cents/KWh)										
Residential	7.22	8.43	7.67	7.74	7.73	7.80	8.46	9.71	NA	NA
Commercial	6.71	6.91	6.36	6.31	6.95	7.56	8.97	10.56	NA	NA
Industrial	5.10	4.23	4.37	4.01	4.89	5.99	7.01	8.14	NA	NA
Other	8.31	8.79	9.42	9.42	NA	NA	NA	NA	NA	NA
Transportation	NA	NA	NA	NA	5.78	6.46	7.73	8.43	NA	NA
All Sectors	6.30	7.06	6.60	6.18	6.45	7.15	8.13	9.95	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2006

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Maryland								
Number of Entities	4	5	NA	3	NA	17	4	33
Number of Retail Customers	2,099,343	33,769	NA	188,587	NA	65,208	NA	2,386,907
Retail Sales (thousand megawatthours)	36,781	754	NA	4,130	NA	21,507	NA	63,173
Percentage of Retail Sales	58.22	1.19	NA	6.54	NA	34.04	NA	100.00
Revenue from Retail Sales (million dollars)	3,713	66	NA	464	NA	1,690	354	6,288
Percentage of Revenue	59.05	1.05	NA	7.38	NA	26.88	5.63	100.00
Average Retail Price (cents/kWh)	10.10	8.79	NA	11.24	NA	7.86	1.64	9.95

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 services. 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.

Table 10. Supply and Disposition of Electricity, 1990, 1995, and 2001 Through 2006
(Million Kilowatthours)

Category	1990	1995	2001	2002	2003	2004	2005	2006
Maryland								
Supply								
Generation								
Electric Utilities	31,497	44,659	88	31	52	30	44	12
Independent Power Producers	20	167	46,079	44,828	48,824	48,457	48,780	45,406
Combined Heat and Power, Electric	1,227	1,071	2,808	2,835	2,813	2,926	3,196	2,902
Electric Power Sector Generation Subtotal	**32,744**	**45,896**	**48,975**	**47,695**	**51,689**	**51,413**	**52,020**	**48,320**
Combined Heat and Power, Commercial	71	30	30	10	31	49	54	32
Combined Heat and Power, Industrial	347	439	57	575	524	591	588	605
Industrial and Commercial Generation Subtotal	**418**	**469**	**87**	**584**	**555**	**640**	**641**	**637**
Total Net Generation	**33,162**	**46,366**	**49,062**	**48,279**	**52,244**	**52,053**	**52,662**	**48,957**
Total International Imports	**-**	**-**	**37**	**-**	**-**	**-**	**-**	**-**
Total Supply	**33,162**	**46,366**	**49,100**	**48,279**	**52,244**	**52,053**	**52,662**	**48,957**
Disposition								
Retail Sales								
Full Service Providers	49,534	56,158	59,183	59,271	59,675	53,240	49,145	41,666
Energy-Only Providers	-	-	2,457	9,108	11,566	13,652	19,202	21,507
Facility Direct Retail Sales	-	-	-	-	18	-	18	-
Total Electric Industry Retail Sales	**49,534**	**56,158**	**61,640**	**68,380**	**71,259**	**66,892**	**68,365**	**63,173**
Direct Use	**1,324**	**1,254**	**1,157**	**1,182**	**1,197**	**1,198**	**1,095**	**1,323**
Estimated Losses	**3,714**	**4,263**	**2,278**	**3,948**	**3,613**	**4,688**	**5,307**	**4,734**
Total Disposition	**54,572**	**61,675**	**65,075**	**73,510**	**76,069**	**72,778**	**74,767**	**69,230**
Net Interstate Trade	**-21,410**	**-15,309**	**-15,975**	**-25,231**	**-23,825**	**-20,725**	**-22,105**	**-20,274**
Net Trade Index (ratio)	**0.61**	**0.75**	**0.75**	**0.66**	**0.69**	**0.72**	**0.70**	**0.71**

R = Revised.
NA = Not applicable; NM = Not meaningful.
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- = Data not available.
* = 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 10 Notes: Estimated Losses are reported at the utility level, and then allocated to States based on the utility's retail sales by State. Reported losses may include electricity unaccounted for by the utility. Net Interstate Trade represents the difference between the amount of electricity produced in the State and consumed in the State. Positive values indicate a State that is a net interstate exporter of electricity; negative values indicate a State that is a net interstate importer of electricity. The Net Trade Index represents a State's electricity self-sufficiency. Values greater than 1 indicate that, on an annual net basis, the State supplied electricity consumed outside the State; values less than 1 indicate that, on an annual net basis, the State consumed electricity produced outside the State.
General Notes: Table 4 "Other Renewables" includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. The "Other" category includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. However, Table 5 "Other Renewables" includes only biogenic municipal solid waste, in addition to wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. In Table 5 "Other" includes Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. In Table 7, "Other Renewables" emissions include biogenic municipal solid waste, and other renewable waste.
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Table 1. 2006 Summary Statistics

Item	Value	U.S. Rank
Massachusetts		
NERC Region(s)		**NPCC**
Primary Energy Source		**Gas**
Net Summer Capacity (megawatts)	**13,932**	**27**
Electric Utilities	837	43
Independent Power Producers & Combined Heat and Power	13,095	8
Net Generation (megawatthours)	**45,597,775**	**31**
Electric Utilities	942,917	44
Independent Power Producers & Combined Heat and Power	44,654,858	10
Emissions (thousand metric tons)		
Sulfur Dioxide	49	32
Nitrogen Oxide	22	39
Carbon Dioxide	23,708	34
Sulfur Dioxide (lbs/MWh)	2.4	35
Nitrogen Oxide (lbs/MWh)	1.1	42
Carbon Dioxide (lbs/MWh)	1,146	36
Total Retail Sales (megawatthours)	**55,850,090**	**25**
Full Service Provider Sales (megawatthours)	34,794,615	32
Deregulated Sales (megawatthours)	21,055,475	5
Direct Use (megawatthours)	**911,950**	**30**
Average Retail Price (cents/kWh)	**15.45**	**2**

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capacity, 2006

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
Massachusetts			
1. Mystic Generating Station	Gas	Boston Generating LLC	1,948
2. Brayton Point	Coal	Dominion Energy New England, LLC	1,545
3. Canal	Petroleum	Mirant Canal LLC	1,112
4. Northfield Mountain	Pumped Storage	NE Energy Services LLC	1,080
5. Salem Harbor	Coal	Dominion Energy New England, LLC	743
6. Pilgrim Nuclear Power Station	Nuclear	Entergy Nuclear Generation Co	685
7. Fore River Generating Station	Gas	Boston Generating LLC	668
8. Bear Swamp	Pumped Storage	Brookfield Power New England	563
9. ANP Bellingham Energy Project	Gas	IPA Bellingham Energy Company	493
10. ANP Blackstone Energy Project	Gas	ANP Blackstone Energy Co	441

See footnotes at end of tables.

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2006
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
Massachusetts						
1. Massachusetts Electric Co	Investor-Owned	12,990,328	8,187,699	4,173,837	628,792	-
2. Boston Edison Co	Investor-Owned	8,757,827	4,206,116	4,250,607	301,104	-
3. Constellation NewEnergy, Inc	Other Provider	8,468,121	-	7,918,300	535,240	14,581
4. TransCanada Power Mktg Ltd	Other Provider	2,751,064	-	-	2,751,064	-
5. Western Massachusetts Elec Co	Investor-Owned	2,276,376	1,427,817	671,775	176,784	-
Total Sales, Top Five Providers		35,243,716	13,821,632	17,014,519	4,392,984	14,581
Percent of Total State Sales		63	70	65	46	4

See footnotes at end of tables.

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatts)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Massachusetts										
Electric Utilities	**9,910**	**9,288**	**993**	**1,090**	**981**	**981**	**983[R]**	**837**	**92.5**	**6.0**
Coal	1,723	1,707	145	145	145	145	144	-	16.1	-
Petroleum	5,216[R]	4,058[R]	474	771	663	661	661	659	48.7	4.7
Natural Gas	289[R]	993[R]	329	130	130	131	131	131	2.7	0.9
Nuclear	831	669	-	-	-	-	-	-	7.8	-
Hydroelectric	204	207	45	44	44	44	47[R]	47	1.9	0.3
Other Renewables	-	*	-	-	-	-	-	-	-	-
Pumped Storage	1,647	1,653	-	-	-	-	-	-	15.4	-
Independent Power Producers and Combined Heat and Power	**807**	**1,709**	**10,849**	**11,069**	**12,896**	**13,021**	**12,986[R]**	**13,095**	**7.5**	**94.0**
Coal	18	31	1,500	1,544	1,514	1,578	1,599	1,743	0.2	12.5
Petroleum	116	164	3,084	3,464	3,117	2,581	2,580	2,559	1.1	18.4
Natural Gas	359	1,144	3,432	3,230	5,414	6,026	5,971	5,958	3.3	42.8
Nuclear	-	-	667	667	685	685	685	685	-	4.9
Hydroelectric	57	57	201	209	217	216	213[R]	212	0.5	1.5
Other Renewables	256	312	315	305	305	293	296	296	2.4	2.1
Pumped Storage	-	-	1,650	1,650	1,643	1,643	1,643	1,643	-	11.8
Total Electric Industry	**10,716**	**10,997**	**11,842**	**12,159**	**13,877**	**14,002**	**13,969**	**13,932**	**100.0**	**100.0**
Coal	1,741	1,738	1,645	1,689	1,659	1,723	1,743	1,743	16.2	12.5
Petroleum	5,333[R]	4,223[R]	3,558	4,235	3,780	3,242	3,241	3,219	49.8	23.1
Natural Gas	647[R]	2,137[R]	3,761	3,360	5,544	6,157	6,102	6,089	6.0	43.7
Nuclear	831	669	667	667	685	685	685	685	7.8	4.9
Hydroelectric	261	265	246	253	261	260	260	259	2.4	1.9
Other Renewables	256	312	315	305	305	293	296	296	2.4	2.1
Pumped Storage	1,647	1,653	1,650	1,650	1,643	1,643	1,643	1,643	15.4	11.8

See footnotes at end of tables.

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatthours)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Massachusetts										
Electric Utilities	**36,478,610**	**26,971,667**	**1,566,491**	**1,156,651**	**2,055,622**	**1,524,169**	**1,622,208**	**942,917**	**91.6**	**2.1**
Coal	11,273,069	10,586,608	1,096,681	-	1,074,514	903,789	1,025,141	-	28.3	-
Petroleum	14,556,403	5,848,663	131,797	220,435	517,767	290,865	189,211	29,031	36.6	0.1
Natural Gas	5,279,993	6,206,477	218,432	728,570	234,942	98,542	118,034	326,418	13.3	0.7
Nuclear	5,069,620	4,485,845	-	-	-	-	-	-	12.7	-
Hydroelectric	969,108	650,277	119,581	207,646	228,399	230,973	289,822	587,468	2.4	1.3
Pumped Storage	-669,583	-806,203	-	-	-	-	-	-	-1.7	-
Independent Power Producers and Combined Heat and Power	**3,332,401**	**10,682,814**	**36,911,943**	**40,859,037**	**46,329,402**	**45,976,313**	**45,893,235**	**44,654,858**	**8.4**	**97.9**
Coal	92,824	111,655	9,954,652	11,502,861	9,821,976	9,622,699	11,008,406[R]	11,138,344	0.2	24.4
Petroleum	545,389	302,832	8,379,775	6,579,859	6,941,271	7,210,494	6,930,158	2,332,581	1.4	5.1
Natural Gas	852,709	8,028,533	11,478,572	15,140,404	22,188,989	20,911,003	20,158,532	22,946,889	2.1	50.3
Other Gases	830	-	-	-	-	-	-	-	*	-
Nuclear	-	-	5,144,033	5,768,766	4,977,955	5,938,600	5,475,057	5,829,658	-	12.8
Hydroelectric	280,134	218,372	582,924	655,301	846,783	767,308	752,128	925,177	0.7	2.0
Other Renewables	1,560,515	2,021,422	1,312,787	1,272,142	1,253,123	1,223,749	1,258,290[R]	1,278,829	3.9	2.8
Pumped Storage	-	-	-711,349	-842,801	-510,929	-498,326	-461,643	-578,898	-	-1.3
Other	-	-	770,549	782,504	810,234	800,786	772,307	782,278	-	1.7
Total Electric Industry	**39,811,011**	**37,654,481**	**38,478,434**	**42,015,688**	**48,385,024**	**47,500,482**	**47,515,443**	**45,597,775**	**100.0**	**100.0**
Coal	11,365,893	10,698,263	11,051,333	11,502,861	10,896,490	10,526,488	12,033,547[R]	11,138,344	28.5	24.4
Petroleum	15,101,792	6,151,495	8,511,572	6,800,294	7,459,038	7,501,359	7,119,369	2,361,612	37.9	5.2
Natural Gas	6,132,702	14,235,010	11,697,004	15,868,974	22,423,931	21,009,545	20,276,566	23,273,307	15.4	51.0
Other Gases	830	-	-	-	-	-	-	-	*	-
Nuclear	5,069,620	4,485,845	5,144,033	5,768,766	4,977,955	5,938,600	5,475,057	5,829,658	12.7	12.8
Hydroelectric	1,249,242	868,649	702,505	862,947	1,075,182	998,281	1,041,950	1,512,645	3.1	3.3
Other Renewables	1,560,515	2,021,422	1,312,787	1,272,142	1,253,123	1,223,749	1,258,290[R]	1,278,829	3.9	2.8
Pumped Storage	-669,583	-806,203	-711,349	-842,801	-510,929	-498,326	-461,643	-578,898	-1.7	-1.3
Other	-	-	770,549	782,504	810,234	800,786	772,307	782,278	-	1.7

See footnotes at end of tables.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1990, 1995, and 2001 Through 2006

Fuel, Quality	1990	1995	2001	2002	2003	2004	2005	2006
Massachusetts								
Coal (cents per million Btu)	173	168	-	W	W	197	W	278
Average heat value (Btu per pound)	13,062	12,698	-	12,482	12,200	11,793	11,728	11,546
Average sulfur Content (percent)	1.23	0.71	-	0.66	1.14	0.55	0.50	0.49
Petroleum (cents per million Btu)	286	259	494	355	463	450	709	796
Average heat value (Btu per gallon)	150,310	151,624	150,000	151,755	149,850	148,871	147,900	149,288
Average sulfur Content (percent)	1.66	0.98	0.29	0.89	0.80	0.83	0.81	0.74
Natural Gas (cents per million Btu)	240	201	347	351	534	639	931	731
Average heat value (Btu per cubic foot)	1,052	1,026	1,030	1,024	1,032	1,035	1,033	1,033

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1990, 1995, and 2001 Through 2006
(Thousand Metric Tons)

Emission Type	1990	1995	2001	2002	2003	2004	2005	2006
Massachusetts								
Sulfur Dioxide								
Coal	91	51	55	53	48	41	43	36
Petroleum	120	32	40	31	34	35	33	13
Natural Gas	*	*	*	*	*	*	*	*
Other	1	1	*	*	*	*	*	*
Total	212	83	96	85	82	76	76	49
Nitrogen Oxide								
Coal	44	28	17	17	15	14	14	9
Petroleum	22	7	10	8	10	9	7	3
Natural Gas	8	15	6	7	5	4	4	4
Other	3	3	7	6	7	7	7	6
Total	76	54	40	39	37	33	31	22
Carbon Dioxide								
Coal	10,356	9,644	10,014	10,709	9,964	9,605	10,900	10,305
Petroleum	12,539	5,339	7,342	5,702	6,396	6,157	5,794	2,272
Natural Gas	3,638	7,477	5,919	7,459	9,585	9,005	8,844	9,851
Other Renewables	1,008	1,215	1,281	1,214	1,256	1,286	1,283	1,280
Total	27,542	23,675	24,557	25,084	27,200	26,053	26,822	23,708

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1990, 1995, and 2001 Through 2006

Sector	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Massachusetts										
Retail Sales (thousand megawatthours)										
Residential	15,581	15,993	17,984	18,695	19,591	19,769	20,539	19,624	34.3	35.1
Commercial	18,565	19,894	24,127	24,250	25,648	26,020	26,415	26,237	40.9	47.0
Industrial	10,157	10,026	9,757	10,087	9,984	9,947	9,871	9,602	22.4	17.2
Other	1,138	598	629	676	NA	NA	NA	NA	2.5	NA
Transportation	NA	NA	NA	NA	292	406	402	386	NA	0.7
All Sectors	45,442	46,510	52,496	53,708	55,514	56,142	57,228	55,850	100.0	100.0
Retail Revenue (million dollars)										
Residential	1,505	1,800	2,243	2,043	2,272	2,323	2,760	3,257	37.4	37.8
Commercial	1,590	1,976	2,807	2,430	2,687	2,858	3,282	4,078	39.5	47.3
Industrial	802	843	915	841	891	844	910	1,252	19.9	14.5
Other	124	86	98	89	NA	NA	NA	NA	3.1	NA
Transportation	NA	NA	NA	NA	12	19	19	41	NA	0.5
All Sectors	4,020	4,705	6,062	5,404	5,862	6,045	6,971	8,628	100.0	100.0
Average Retail Prices (cents/KWh)										
Residential	9.66	11.26	12.47	10.93	11.60	11.75	13.44	16.60	NA	NA
Commercial	8.56	9.93	11.64	10.02	10.48	10.99	12.42	15.54	NA	NA
Industrial	7.89	8.41	9.37	8.34	8.93	8.48	9.22	13.04	NA	NA
Other	10.90	14.31	15.52	13.11	NA	NA	NA	NA	NA	NA
Transportation	NA	NA	NA	NA	4.09	4.65	4.80	10.68	NA	NA
All Sectors	8.85	10.12	11.55	10.06	10.56	10.77	12.18	15.45	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2006

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Massachusetts								
Number of Entities	7	41	NA	NA	NA	15	8	71
Number of Retail Customers	2,354,891	389,872	NA	NA	NA	254,343	NA	2,999,106
Retail Sales (thousand megawatthours)	26,924	7,870	NA	NA	NA	21,055	NA	55,850
Percentage of Retail Sales	48.21	14.09	NA	NA	NA	37.70	NA	100.00
Revenue from Retail Sales (million dollars)	4,655	935	NA	NA	NA	2,086	953	8,628
Percentage of Revenue	53.95	10.83	NA	NA	NA	24.18	11.04	100.00
Average Retail Price (cents/kWh)	17.29	11.87	NA	NA	NA	9.91	4.52	15.45

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 services. 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.

Table 10. Supply and Disposition of Electricity, 1990, 1995, and 2001 Through 2006
(Million Kilowatthours)

Category	1990	1995	2001	2002	2003	2004	2005	2006
Massachusetts								
Supply								
Generation								
Electric Utilities	36,479	26,972	1,566	1,157	2,056	1,524	1,622	943
Independent Power Producers	1,729	3,577	30,176	34,019	40,102	41,036	42,122	41,847
Combined Heat and Power, Electric	751	6,241	5,769	5,852	5,378	4,053	2,896	1,938
Electric Power Sector Generation Subtotal	**38,958**	**36,790**	**37,511**	**41,028**	**47,536**	**46,614**	**46,640**	**44,728**
Combined Heat and Power, Commercial	306	377	558	575	514	573	590	574
Combined Heat and Power, Industrial	547	488	409	413	335	314	286	296
Industrial and Commercial Generation Subtotal	**853**	**865**	**967**	**987**	**849**	**887**	**876**	**869**
Total Net Generation	**39,811**	**37,654**	**38,478**	**42,016**	**48,385**	**47,500**	**47,515**	**45,598**
Total International Imports	**1,921**	**1,790**	**1,137**	**497**	**274**	**512**	**708**	**694**
Total Supply	**41,732**	**39,445**	**39,615**	**42,513**	**48,659**	**48,013**	**48,223**	**46,292**
Disposition								
Retail Sales								
Full Service Providers	45,442	46,510	48,989	43,880	45,457	43,287	41,357	34,795
Energy-Only Providers	-	-	3,507	9,828	9,739	12,551	15,854	21,055
Facility Direct Retail Sales	-	-	-	-	318	304	17	-
Total Electric Industry Retail Sales	**45,442**	**46,510**	**52,496**	**53,708**	**55,514**	**56,142**	**57,228**	**55,850**
Direct Use	**957**	**1,075**	**2,371**	**2,422**	**2,453**	**2,456**	**1,164**	**912**
Total International Exports	**-**	**-**	**-**	**-**	**61**	**32**	**94**	**116**
Estimated Losses	**3,407**	**3,531**	**2,750**	**2,447**	**2,284**	**2,209**	**2,324**	**4,000**
Total Disposition	**49,805**	**51,116**	**57,617**	**58,577**	**60,313**	**60,839**	**60,810**	**60,878**
Net Interstate Trade	**-8,073**	**-11,671**	**-18,002**	**-16,064**	**-11,653**	**-12,826**	**-12,587**	**-14,586**
Net Trade Index (ratio)	**0.84**	**0.77**	**0.69**	**0.73**	**0.81**	**0.79**	**0.79**	**0.76**

R = Revised.
NA = Not applicable; NM = Not meaningful.
W = Withheld to avoid disclosure of individual company data.
- = Data not available.
* = 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 10 Notes: Estimated Losses are reported at the utility level, and then allocated to States based on the utility's retail sales by State. Reported losses may include electricity unaccounted for by the utility. Net Interstate Trade represents the difference between the amount of electricity produced in the State and consumed in the State. Positive values indicate a State that is a net interstate exporter of electricity; negative values indicate a State that is a net interstate importer of electricity. The Net Trade Index represents a State's electricity self-sufficiency. Values greater than 1 indicate that, on an annual net basis, the State supplied electricity consumed outside the State; values less than 1 indicate that, on an annual net basis, the State consumed electricity produced outside the State.
General Notes: Table 4 "Other Renewables" includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. The "Other" category includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. However, Table 5 "Other Renewables" includes only biogenic municipal solid waste, in addition to wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. In Table 5 "Other" includes Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. In Table 7, "Other Renewables" emissions include biogenic municipal solid waste, and other renewable 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.

Table 1. 2006 Summary Statistics

Item	Value	U.S. Rank
Michigan		
NERC Region(s)		**MRO/RFC**
Primary Energy Source		**Coal**
Net Summer Capacity (megawatts)	**30,189**	**10**
Electric Utilities	22,734	8
Independent Power Producers & Combined Heat and Power	7,456	14
Net Generation (megawatthours)	**112,556,739**	**12**
Electric Utilities	97,373,706	8
Independent Power Producers & Combined Heat and Power	15,183,032	20
Emissions (thousand metric tons)		
Sulfur Dioxide	327	11
Nitrogen Oxide	113	11
Carbon Dioxide	75,633	12
Sulfur Dioxide (lbs/MWh)	6.4	15
Nitrogen Oxide (lbs/MWh)	2.2	25
Carbon Dioxide (lbs/MWh)	1,481	22
Total Retail Sales (megawatthours)	**108,017,697**	**10**
Full Service Provider Sales (megawatthours)	102,398,636	12
Deregulated Sales (megawatthours)	5,619,061	10
Direct Use (megawatthours)	**2,353,796**	**14**
Average Retail Price (cents/kWh)	**8.14**	**22**

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capacity, 2006

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
Michigan			
1. Monroe	Coal	Detroit Edison Co	3,129
2. Donald C Cook	Nuclear	Indiana Michigan Power Co	2,106
3. Ludington	Pumped Storage	Consumers Energy Co	1,872
4. Midland Cogeneration Venture	Gas	Midland Cogeneration Venture	1,833
5. Dan E Karn	Coal	Consumers Energy Co	1,791
6. Belle River	Coal	Detroit Edison Co	1,499
7. J H Campbell	Coal	Consumers Energy Co	1,448
8. St Clair	Coal	Detroit Edison Co	1,393
9. Fermi	Nuclear	Detroit Edison Co	1,173
10. New Covert Generating Facility	Gas	New Covert Generating Company LLC	1,058

See footnotes at end of tables.

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2006
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
Michigan						
1. Detroit Edison Co	Investor-Owned	46,951,311	15,768,800	17,947,608	13,234,903	-
2. Consumers Energy Company	Investor-Owned	36,543,834	12,975,047	12,407,028	11,161,759	-
3. Indiana Michigan Power Co	Investor-Owned	3,006,729	1,203,561	777,805	1,025,363	-
4. Wisconsin Electric Power Co	Investor-Owned	2,737,312	163,644	155,585	2,418,083	-
5. Lansing City of	Public	2,285,889	617,508	1,231,182	437,199	-
Total Sales, Top Five Providers		91,525,075	30,728,560	32,519,208	28,277,307	-
Percent of Total State Sales		84	89	83	81	-

See footnotes at end of tables.

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatts)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Michigan										
Electric Utilities	**22,315**	**21,981**	**22,831**	**23,279**	**23,345**	**23,314**	**23,029[R]**	**22,734**	**89.2**	**75.3**
Coal	11,931	11,794	11,638	11,627	11,636	11,623	11,633	11,534	47.7	38.2
Petroleum	3,460[R]	2,618[R]	1,860	1,654	1,685	1,649	1,647	1,397	13.8	4.6
Natural Gas	702[R]	1,434[R]	3,302	3,958	3,964	3,982	3,669[R]	3,695	2.8	12.2
Other Gases	11	11	-	-	-	-	-	-	*	-
Nuclear	4,007	3,989	3,931	3,938	3,971	3,971	3,982	4,006	16.0	13.3
Hydroelectric	331	263	228	229	218	217	225	229	1.3	0.8
Pumped Storage	1,872	1,872	1,872	1,872	1,872	1,872	1,872	1,872	7.5	6.2
Independent Power Producers and Combined Heat and Power	**2,690**	**2,925**	**4,053**	**6,056**	**7,104**	**7,133**	**7,393[R]**	**7,456**	**10.8**	**24.7**
Coal	677	654	291	354	354	354	349	325	2.7	1.1
Petroleum	*	2	11	50	52	70	27	102	*	0.3
Natural Gas	1,755	1,840	3,270	5,238	6,303	6,315	6,618[R]	6,628	7.0	22.0
Other Gases	-	-	-	-	-	-	5	12	-	*
Hydroelectric	26	26	25	27	27	27	28	28	0.1	0.1
Other Renewables	232	402	455	388	368	367	367	361	0.9	1.2
Total Electric Industry	**25,005**	**24,906**	**26,884**	**29,335**	**30,450**	**30,447**	**30,422**	**30,189**	**100.0**	**100.0**
Coal	12,608	12,449	11,929	11,981	11,989	11,976	11,982	11,860	50.4	39.3
Petroleum	3,461[R]	2,621[R]	1,872	1,704	1,737	1,719	1,675	1,499	13.8	5.0
Natural Gas	2,457[R]	3,274[R]	6,572	9,196	10,268	10,296	10,286	10,322	9.8	34.2
Other Gases	11	11	-	-	-	-	5	12	*	*
Nuclear	4,007	3,989	3,931	3,938	3,971	3,971	3,982	4,006	16.0	13.3
Hydroelectric	357	288	253	257	245	245	253	257	1.4	0.9
Other Renewables	232	402	455	388	368	367	367	361	0.9	1.2
Pumped Storage	1,872	1,872	1,872	1,872	1,872	1,872	1,872	1,872	7.5	6.2

See footnotes at end of tables.

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatthours)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Michigan										
Electric Utilities	**89,058,681**	**92,478,772**	**97,067,330**	**100,451,718**	**96,634,055**	**99,608,512**	**104,830,689[R]**	**97,373,706**	**89.0**	**86.5**
Coal	65,295,742	65,425,002	66,931,691	65,389,899	66,448,916	67,253,690	69,158,736	66,654,737	65.3	59.2
Petroleum	689,461	687,264	724,313	1,090,767	883,847	714,881	788,563	272,106	0.7	0.2
Natural Gas	665,142	1,163,390	2,362,038	2,336,031	1,098,627	735,011	1,717,091[R]	982,534	0.7	0.9
Other Gases	-	-	-	-	-	1,082	-	18,854	-	*
Nuclear	21,610,500	24,448,397	26,710,782	31,087,454	27,953,563	30,561,961	32,871,574	29,066,165	21.6	25.8
Hydroelectric	1,492,822	1,486,539	1,450,093	1,557,942	1,242,987	1,420,178	1,355,963	1,381,242	1.5	1.2
Pumped Storage	-694,986	-731,820	-1,126,837	-1,035,560	-1,017,246	-1,112,984	-1,106,241	-1,039,210	-0.7	-0.9
Other	-	-	15,250	25,185	23,361	34,693	45,003	37,278	-	*
Independent Power Producers and Combined Heat and Power	**11,001,056**	**14,965,840**	**14,778,280**	**17,437,369**	**14,713,005**	**18,878,757**	**16,789,082[R]**	**15,183,032**	**11.0**	**13.5**
Coal	1,771,128	1,775,643	1,331,473	1,309,609	1,328,567	1,368,022	1,186,894	1,146,267	1.8	1.0
Petroleum	172,264	167,990	25,574	12,718	180,046	178,619	109,318[R]	124,205	0.2	0.1
Natural Gas	7,172,814	10,411,464	10,811,473	13,517,387	10,275,917	14,370,729	11,914,780[R]	10,245,751	7.2	9.1
Other Gases	340,949	1,430	5,614	10,108	2,193	39,331	697,417	549,100	0.3	0.5
Hydroelectric	135,096	110,647	111,830	111,310	142,837	119,406	105,745	139,111	0.1	0.1
Other Renewables	1,408,805	2,483,380	2,361,663	2,220,005	2,497,694	2,545,410	2,520,267[R]	2,452,028	1.4	2.2
Other	-	15,286	130,653	256,232	285,751	257,239	254,661	526,570	-	0.5
Total Electric Industry	**100,059,737**	**107,444,612**	**111,845,610**	**117,889,087**	**111,347,060**	**118,487,269**	**121,619,771**	**112,556,739**	**100.0**	**100.0**
Coal	67,066,870	67,200,645	68,263,164	66,699,508	67,777,483	68,621,712	70,345,630	67,801,004	67.0	60.2
Petroleum	861,725	855,254	749,887	1,103,485	1,063,893	893,500	897,881[R]	396,311	0.9	0.4
Natural Gas	7,837,956	11,574,854	13,173,511	15,853,418	11,374,544	15,105,740	13,631,871	11,228,285	7.8	10.0
Other Gases	340,949	1,430	5,614	10,108	2,193	40,413	697,417	567,954	0.3	0.5
Nuclear	21,610,500	24,448,397	26,710,782	31,087,454	27,953,563	30,561,961	32,871,574	29,066,165	21.6	25.8
Hydroelectric	1,627,918	1,597,186	1,561,923	1,669,252	1,385,824	1,539,584	1,461,708	1,520,353	1.6	1.4
Other Renewables	1,408,805	2,483,380	2,361,663	2,220,005	2,497,694	2,545,410	2,520,267[R]	2,452,028	1.4	2.2
Pumped Storage	-694,986	-731,820	-1,126,837	-1,035,560	-1,017,246	-1,112,984	-1,106,241	-1,039,210	-0.7	-0.9
Other	-	15,286	145,903	281,417	309,112	291,932	299,664	563,848	-	0.5

See footnotes at end of tables.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1990, 1995, and 2001 Through 2006

Fuel, Quality	1990	1995	2001	2002	2003	2004	2005	2006
Michigan								
Coal (cents per million Btu)	160	145	127	W	134	139	158	168
Average heat value (Btu per pound)	11,131	10,677	10,235	10,255	10,123	9,967	10,021	9,975
Average sulfur Content (percent)	0.70	0.63	0.57	0.57	0.57	0.53	0.56	0.56
Petroleum (cents per million Btu)	320	288	398	274	W	W	W	W
Average heat value (Btu per gallon)	146,012	146,081	148,810	144,917	146,845	146,540	145,714	144,829
Average sulfur Content (percent)	0.72	0.81	1.37	1.88	1.67	1.45	1.74	1.74
Natural Gas (cents per million Btu)	211	200	383	352	386	436	556	601
Average heat value (Btu per cubic foot)	224	365	990	1,007	1,015	1,018	1,013	1,009

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1990, 1995, and 2001 Through 2006
(Thousand Metric Tons)

Emission Type	1990	1995	2001	2002	2003	2004	2005	2006
Michigan								
Sulfur Dioxide								
Coal	363	358	336	325	335	322	329	315
Petroleum	16	21	26	24	24	24	26	6
Natural Gas	*	*	*	*	*	*	*	*
Other	4	4	6	8	6	6	6	6
Total	383	383	368	357	364	351	360	327
Nitrogen Oxide								
Coal	295	283	136	122	115	106	104	96
Petroleum	2	2	4	3	4	4	4	1
Natural Gas	11	15	17	16	6	5	5	5
Other	2	4	9	11	10	10	10	11
Total	311	304	166	152	134	124	123	113
Carbon Dioxide								
Coal	64,311	65,220	68,240	64,386	65,212	67,917	69,834	67,419
Petroleum	1,012	1,334	790	1,068	1,479	1,419	899	485
Natural Gas	5,251	7,256	7,503	8,264	5,974	7,577	7,450	7,176
Other Renewables	260	385	250	578	586	549	542	554
Total	70,834	74,194	76,782	74,295	73,251	77,462	78,726	75,633

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1990, 1995, and 2001 Through 2006

Sector	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Michigan										
Retail Sales (thousand megawatthours)										
Residential	25,319	28,623	32,305	34,336	33,669	33,104	36,095	34,622	30.7	32.1
Commercial	20,610	31,306	35,025	35,880	35,391	38,632	39,600	39,299	25.0	36.4
Industrial	35,062	33,921	34,174	33,537	39,813	34,867	34,745	34,093	42.6	31.6
Other	1,376	852	905	960	NA	NA	NA	NA	1.7	NA
Transportation	NA	NA	NA	NA	3	3	5	4	NA	*
All Sectors	82,367	94,701	102,409	104,714	108,877	106,606	110,445	108,018	100.0	100.0
Retail Revenue (million dollars)										
Residential	1,982	2,387	2,667	2,845	2,813	2,759	3,033	3,382	33.9	38.5
Commercial	1,679	2,462	2,640	2,794	2,672	2,925	3,105	3,345	28.7	38.1
Industrial	2,051	1,739	1,738	1,684	1,976	1,717	1,850	2,061	35.1	23.5
Other	137	91	94	100	NA	NA	NA	NA	2.3	NA
Transportation	NA	NA	NA	NA	*	*	1	*	NA	*
All Sectors	5,850	6,679	7,139	7,423	7,461	7,401	7,988	8,788	100.0	100.0
Average Retail Prices (cents/KWh)										
Residential	7.83	8.34	8.26	8.28	8.35	8.33	8.40	9.77	NA	NA
Commercial	8.14	7.86	7.54	7.79	7.55	7.57	7.84	8.51	NA	NA
Industrial	5.85	5.13	5.08	5.02	4.96	4.92	5.32	6.05	NA	NA
Other	9.98	10.71	10.38	10.43	NA	NA	NA	NA	NA	NA
Transportation	NA	NA	NA	NA	8.21	7.89	13.07	10.06	NA	NA
All Sectors	7.10	7.05	6.97	7.09	6.85	6.94	7.23	8.14	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2006

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Michigan								
Number of Entities	9	42	NA	10	1	11	3	76
Number of Retail Customers	4,225,957	303,656	NA	290,446	1	6,580	NA	4,826,640
Retail Sales (thousand megawatthours)	90,894	7,958	NA	3,047	499	5,619	NA	108,018
Percentage of Retail Sales	84.15	7.37	NA	2.82	0.46	5.20	NA	100.00
Revenue from Retail Sales (million dollars)	7,435	598	NA	308	29	314	105	8,788
Percentage of Revenue	84.60	6.80	NA	3.50	0.33	3.57	1.20	100.00
Average Retail Price (cents/kWh)	8.13	7.51	NA	10.10	5.83	5.58	1.87	8.14

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 services. 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.

Table 10. Supply and Disposition of Electricity, 1990, 1995, and 2001 Through 2006
(Million Kilowatthours)

Category	1990	1995	2001	2002	2003	2004	2005	2006
Michigan								
Supply								
Generation								
Electric Utilities	89,059	92,479	97,067	100,452	96,634	99,609	104,831	97,374
Independent Power Producers	639	1,456	2,399	5,031	2,302	2,560	4,337	3,859
Combined Heat and Power, Electric	6,354	9,611	10,502	10,138	9,917	13,904	10,161	9,077
Electric Power Sector Generation Subtotal	**96,051**	**103,546**	**109,968**	**115,620**	**108,853**	**116,073**	**119,329**	**110,310**
Combined Heat and Power, Commercial	411	563	239	477	504	536	535	515
Combined Heat and Power, Industrial	3,597	3,335	1,638	1,792	1,990	1,878	1,756	1,731
Industrial and Commercial Generation Subtotal	**4,008**	**3,898**	**1,878**	**2,269**	**2,494**	**2,414**	**2,291**	**2,246**
Total Net Generation	**100,060**	**107,445**	**111,846**	**117,889**	**111,347**	**118,487**	**121,620**	**112,557**
Total International Imports	**40**	**5,801**	**74**	**240**	**1,253**	**2,054**	**1,681**	**357**
Total Supply	**100,099**	**113,245**	**111,920**	**118,129**	**112,600**	**120,542**	**123,301**	**112,914**
Disposition								
Retail Sales								
Full Service Providers	82,367	94,701	101,777	100,213	96,659	92,097	98,603	101,899
Energy-Only Providers	-	-	633	4,500	10,112	13,991	11,334	5,619
Facility Direct Retail Sales	-	-	-	-	2,106	518	508	499
Total Electric Industry Retail Sales	**82,367**	**94,701**	**102,409**	**104,714**	**108,877**	**106,606**	**110,445**	**108,018**
Direct Use	**4,347**	**4,437**	**2,821**	**2,883**	**2,919**	**2,922**	**2,584**	**2,354**
Total International Exports	**10,958**	**1**	**2,176**	**2,474**	**4,818**	**5,258**	**4,380**	**2,474**
Estimated Losses	**6,176**	**7,189**	**5,603**	**7,528**	**6,213**	**7,865**	**7,937**	**8,259**
Total Disposition	**103,848**	**106,328**	**113,009**	**117,599**	**122,828**	**122,652**	**125,346**	**121,104**
Net Interstate Trade	**-3,748**	**6,917**	**-1,089**	**531**	**-10,227**	**-2,110**	**-2,045**	**-8,190**
Net Trade Index (ratio)	**0.96**	**1.07**	**0.99**	**1.00**	**0.92**	**0.98**	**0.98**	**0.93**

R = Revised.
NA = Not applicable; NM = Not meaningful.
W = Withheld to avoid disclosure of individual company data.
- = Data not available.
* = 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 10 Notes: Estimated Losses are reported at the utility level, and then allocated to States based on the utility's retail sales by State. Reported losses may include electricity unaccounted for by the utility. Net Interstate Trade represents the difference between the amount of electricity produced in the State and consumed in the State. Positive values indicate a State that is a net interstate exporter of electricity; negative values indicate a State that is a net interstate importer of electricity. The Net Trade Index represents a State's electricity self-sufficiency. Values greater than 1 indicate that, on an annual net basis, the State supplied electricity consumed outside the State; values less than 1 indicate that, on an annual net basis, the State consumed electricity produced outside the State.
General Notes: Table 4 "Other Renewables" includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. The "Other" category includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. However, Table 5 "Other Renewables" includes only biogenic municipal solid waste, in addition to wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. In Table 5 "Other" includes Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. In Table 7, "Other Renewables" emissions include biogenic municipal solid waste, and other renewable 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.

Table 1. 2006 Summary Statistics

Item	Value	U.S. Rank
Minnesota		
NERC Region(s)		**MRO**
Primary Energy Source		**Coal**
Net Summer Capacity (megawatts)	**12,651**	**28**
Electric Utilities	10,458	24
Independent Power Producers & Combined Heat and Power	2,194	34
Net Generation (megawatthours)	**53,237,789**	**26**
Electric Utilities	46,710,674	20
Independent Power Producers & Combined Heat and Power	6,527,115	35
Emissions (thousand metric tons)		
Sulfur Dioxide	94	25
Nitrogen Oxide	85	17
Carbon Dioxide	37,565	26
Sulfur Dioxide (lbs/MWh)	3.9	25
Nitrogen Oxide (lbs/MWh)	3.5	11
Carbon Dioxide (lbs/MWh)	1,556	18
Total Retail Sales (megawatthours)	**66,769,931**	**23**
Full Service Provider Sales (megawatthours)	66,769,931	22
Direct Use (megawatthours)	**1,666,353**	**20**
Average Retail Price (cents/kWh)	**6.98**	**35**

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capacity, 2006

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
Minnesota			
1. Sherburne County	Coal	Northern States Power Co	2,239
2. Prairie Island	Nuclear	Northern States Power Co	1,096
3. Clay Boswell	Coal	Minnesota Power Inc	917
4. Black Dog	Coal	Northern States Power Co	580
5. Monticello	Nuclear	Northern States Power Co	572
6. Allen S King	Coal	Northern States Power Co	528
7. Lakefield Junction	Gas	Great River Energy	502
8. Mankato Energy Center	Gas	Calpine Central LP	500
9. Blue Lake	Gas	Northern States Power Co	490
10. Pleasant Valley	Gas	Great River Energy	420

See footnotes at end of tables.

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2006
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
Minnesota						
1. Northern States Power Co	Investor-Owned	31,926,534	8,876,544	13,899,161	9,129,744	21,085
2. Minnesota Power Inc	Investor-Owned	9,077,994	1,011,699	1,283,320	6,782,975	-
3. Otter Tail Power Co	Investor-Owned	2,086,367	525,885	1,048,409	512,073	-
4. Anoka Electric Coop	Cooperative	1,984,591	1,172,332	691,772	120,487	-
5. Dakota Electric Association	Cooperative	1,830,744	946,385	52,142	832,217	-
Total Sales, Top Five Providers		46,906,230	12,532,845	16,974,804	17,377,496	21,085
Percent of Total State Sales		70	57	77	77	100

See footnotes at end of tables.

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatts)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Minnesota										
Electric Utilities	**8,834**	**8,923**	**10,110**	**10,329**	**10,162**	**10,179**	**10,543**	**10,458**	**93.9**	**82.7**
Coal	5,757	5,630	5,729	5,726	5,342	5,260	5,087	5,083	61.2	40.2
Petroleum	1,004[R]	1,044[R]	1,051	1,020	669	699	711	718	10.7	5.7
Natural Gas	307[R]	454[R]	1,373	1,637	2,276	2,336	2,852	2,719	3.3	21.5
Nuclear	1,540	1,571	1,646	1,646	1,613	1,613	1,617	1,668	16.4	13.2
Hydroelectric	137	142	132	134	133	133	133	132	1.5	1.0
Other Renewables	88	82	179	136[R]	129	138	143	137	0.9	1.1
Other	*	-	-	-	-	-	-	-	*	-
Independent Power Producers and Combined Heat and Power	**579**	**628**	**965**	**958**	**1,323**	**1,372**	**1,562**	**2,194**	**6.1**	**17.3**
Coal	348	345	157	158	358	361	358	361	3.7	2.9
Petroleum	14	25	29	29	26	27	28	28	0.1	0.2
Natural Gas	54	50	317	306	306	305	305	805	0.6	6.4
Hydroelectric	60	64	42	42	43	43	43	43	0.6	0.3
Other Renewables	102	145	410	442[R]	579	626	817	946	1.1	7.5
Other	-	-	11	11	11	11	11	11	-	0.1
Total Electric Industry	**9,412**	**9,551**	**11,075**	**11,287**	**11,485**	**11,551**	**12,105**	**12,651**	**100.0**	**100.0**
Coal	6,105	5,975	5,886	5,885	5,701	5,621	5,446	5,444	64.9	43.0
Petroleum	1,018[R]	1,069[R]	1,080	1,049	696	726	739	746	10.8	5.9
Natural Gas	361[R]	503[R]	1,690	1,942	2,581	2,641	3,157	3,524	3.8	27.9
Nuclear	1,540	1,571	1,646	1,646	1,613	1,613	1,617	1,668	16.4	13.2
Hydroelectric	197	206	173	176	176	176	176	175	2.1	1.4
Other Renewables	190	227	588	578	708	763	960	1,083	2.0	8.6
Other	*	-	11	11	11	11	11	11	*	0.1

See footnotes at end of tables.

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatthours)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Minnesota										
Electric Utilities	**41,549,628**	**42,502,869**	**44,798,014**	**48,568,719**	**49,576,276**	**47,232,462**	**46,791,349**	**46,710,674**	**96.5**	**87.7**
Coal	27,587,603	26,820,765	31,037,544	32,200,713	33,157,032	31,477,117	30,514,512	30,600,302	64.1	57.5
Petroleum	440,740	484,708	599,557	640,129	845,239	752,362	752,774	484,235	1.0	0.9
Natural Gas	326,083	702,702	371,643	897,018	1,072,867	923,557	1,706,322	1,629,343	0.8	3.1
Nuclear	12,139,302	13,243,469	11,789,027	13,684,824	13,413,828	13,295,502	12,835,219	13,183,418	28.2	24.8
Hydroelectric	657,574	822,599	619,404	736,795	686,227	549,598	574,680	426,960	1.5	0.8
Other Renewables	398,326	428,626	217,078	229,176	220,598	137,351	237,425	231,429	0.9	0.4
Other	-	-	163,761	180,064	180,485	96,975	170,417	154,987	-	0.3
Independent Power Producers and Combined Heat and Power	**1,520,748**	**2,668,015**	**3,725,212**	**4,209,248**	**5,474,720**	**5,131,665**	**6,227,645**[R]	**6,527,115**	**3.5**	**12.3**
Coal	588,677	1,243,174	781,619	1,719,496	2,498,497	2,538,896	2,395,830	2,454,513	1.4	4.6
Petroleum	7,074	10,118	25,499	12,662	27,826	28,418	30,584	6,645	*	*
Natural Gas	213,756	327,705	827,934	694,936	771,569	583,855	1,037,664[R]	927,323	0.5	1.7
Hydroelectric	199,472	275,526	212,214	72,289	128,346	188,713	200,049	144,770	0.5	0.3
Other Renewables	511,769	811,492	1,760,034	1,557,511	1,900,033	1,596,500	2,410,196[R]	2,826,049	1.2	5.3
Other	-	-	117,912	152,354	148,450	195,283	153,323	167,815	-	0.3
Total Electric Industry	**43,070,376**	**45,170,884**	**48,523,226**	**52,777,967**	**55,050,996**	**52,364,127**	**53,018,995**	**53,237,789**	**100.0**	**100.0**
Coal	28,176,280	28,063,939	31,819,163	33,920,209	35,655,529	34,016,013	32,910,342	33,054,815	65.4	62.1
Petroleum	447,814	494,826	625,056	652,791	873,065	780,780	783,358	490,880	1.0	0.9
Natural Gas	539,839	1,030,407	1,199,577	1,591,954	1,844,436	1,507,412	2,743,986[R]	2,556,666	1.3	4.8
Nuclear	12,139,302	13,243,469	11,789,027	13,684,824	13,413,828	13,295,502	12,835,219	13,183,418	28.2	24.8
Hydroelectric	857,046	1,098,125	831,618	809,084	814,573	738,311	774,729	571,730	2.0	1.1
Other Renewables	910,095	1,240,118	1,977,113	1,786,687	2,120,631	1,733,851	2,647,622	3,057,478	2.1	5.7
Other	-	-	281,672	332,418	328,935	292,258	323,740	322,802	-	0.6

See footnotes at end of tables.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1990, 1995, and 2001 Through 2006

Fuel, Quality	1990	1995	2001	2002	2003	2004	2005	2006
Minnesota								
Coal (cents per million Btu)	125	114	102	W	W	W	W	W
Average heat value (Btu per pound)	8,788	8,828	8,930	8,860	8,895	8,914	8,909	8,911
Average sulfur Content (percent)	0.51	0.47	0.47	0.45	0.46	0.44	0.44	0.44
Petroleum (cents per million Btu)	93	85	65	60	W	W	W	W
Average heat value (Btu per gallon)	73,719	73,310	132,857	131,267	133,093	134,967	133,848	134,976
Average sulfur Content (percent)	5.17	5.11	5.43	5.76	5.72	5.38	5.45	5.99
Natural Gas (cents per million Btu)	192	176	521	W	W	W	W	W
Average heat value (Btu per cubic foot)	1,003	1,006	1,000	1,007	1,007	1,008	1,012	1,008

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1990, 1995, and 2001 Through 2006
(Thousand Metric Tons)

Emission Type	1990	1995	2001	2002	2003	2004	2005	2006
Minnesota								
Sulfur Dioxide								
Coal	95	102	70	83	83	86	82	80
Petroleum	*	*	17	14	27	17	15	10
Natural Gas	*	*	*	*	*	*	*	*
Other	6	8	4	4	3	4	4	4
Total	102	111	91	101	113	108	101	94
Nitrogen Oxide								
Coal	156	165	77	80	87	83	76	76
Petroleum	*	*	2	2	3	3	2	2
Natural Gas	2	3	2	2	2	2	3	3
Other	3	4	4	5	4	4	4	4
Total	161	172	85	89	97	92	86	85
Carbon Dioxide								
Coal	30,021	31,532	33,858	35,004	37,068	36,012	35,794	34,916
Petroleum	486	526	687	654	881	826	798	544
Natural Gas	704	1,142	1,079	1,158	1,221	1,121	1,787	1,637
Other Renewables	186	187	326	493	487	360	500	467
Total	31,396	33,387	35,950	37,309	39,658	38,318	38,879	37,565

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1990, 1995, and 2001 Through 2006

Sector	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Minnesota										
Retail Sales (thousand megawatthours)										
Residential	14,858	16,974	19,400	20,451	20,638	20,507	21,743	21,909	31.5	32.8
Commercial	8,086	9,700	19,799	19,457	20,533	20,407	21,985	22,175	17.1	33.2
Industrial	23,497	26,577	20,767	21,515	21,916	22,415	22,266	22,664	49.8	33.9
Other	727	707	721	740	NA	NA	NA	NA	1.5	NA
Transportation	NA	NA	NA	NA	NA	11	25	21	NA	*
All Sectors	47,167	53,959	60,687	62,162	63,087	63,340	66,019	66,770	100.0	100.0
Retail Revenue (million dollars)										
Residential	1,011	1,217	1,476	1,531	1,579	1,624	1,799	1,905	40.2	40.9
Commercial	483	601	1,193	1,143	1,257	1,287	1,448	1,556	19.2	33.4
Industrial	973	1,143	902	875	955	1,038	1,118	1,198	38.7	25.7
Other	49	51	54	54	NA	NA	NA	NA	1.9	NA
Transportation	NA	NA	NA	NA	NA	1	2	2	NA	*
All Sectors	2,516	3,011	3,626	3,604	3,791	3,950	4,366	4,662	100.0	100.0
Average Retail Prices (cents/KWh)										
Residential	6.80	7.17	7.61	7.49	7.65	7.92	8.28	8.70	NA	NA
Commercial	5.98	6.19	6.03	5.88	6.12	6.31	6.59	7.02	NA	NA
Industrial	4.14	4.30	4.34	4.07	4.36	4.63	5.02	5.29	NA	NA
Other	6.72	7.21	7.43	7.36	NA	NA	NA	NA	NA	NA
Transportation	NA	NA	NA	NA	NA	6.75	6.21	7.95	NA	NA
All Sectors	5.33	5.58	5.97	5.80	6.01	6.24	6.61	6.98	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2006

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Minnesota								
Number of Entities	5	125	1	46	NA	NA	NA	177
Number of Retail Customers	1,425,201	353,878	5	730,497	NA	NA	NA	2,509,581
Retail Sales (thousand megawatthours)	43,927	9,499	52	13,292	NA	NA	NA	66,770
Percentage of Retail Sales	65.79	14.23	0.08	19.91	NA	NA	NA	100.00
Revenue from Retail Sales (million dollars)	2,961	676	1	1,023	NA	NA	NA	4,662
Percentage of Revenue	63.52	14.51	0.02	21.95	NA	NA	NA	100.00
Average Retail Price (cents/kWh)	6.74	7.12	1.73	7.70	NA	NA	NA	6.98

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 services. 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.

Table 10. Supply and Disposition of Electricity, 1990, 1995, and 2001 Through 2006

(Million Kilowatthours)

Category	1990	1995	2001	2002	2003	2004	2005	2006
Minnesota								
Supply								
Generation								
Electric Utilities	41,550	42,503	44,798	48,569	49,576	47,232	46,791	46,711
Independent Power Producers	240	399	1,424	1,206	2,858	2,792	3,332	4,136
Combined Heat and Power, Electric	-	-	510	552	697	309	938	639
Electric Power Sector Generation Subtotal	**41,789**	**42,902**	**46,732**	**50,327**	**53,132**	**50,333**	**51,062**	**51,485**
Combined Heat and Power, Commercial	101	92	137	124	117	107	108	104
Combined Heat and Power, Industrial	1,180	2,177	1,655	2,327	1,802	1,924	1,849	1,649
Industrial and Commercial Generation Subtotal	**1,281**	**2,269**	**1,791**	**2,451**	**1,919**	**2,031**	**1,957**	**1,753**
Total Net Generation	**43,070**	**45,171**	**48,523**	**52,778**	**55,051**	**52,364**	**53,019**	**53,238**
Total International Imports	**1,742**	**8,589**	**8,871**	**6,605**	**3,852**	**6,152**	**10,768**	**11,208**
Total Supply	**44,812**	**53,760**	**57,394**	**59,383**	**58,903**	**58,516**	**63,787**	**64,446**
Disposition								
Retail Sales								
Full Service Providers	47,167	53,959	60,687	62,162	62,502	63,340	66,019	66,770
Facility Direct Retail Sales	-	-	-	-	586	-	-	-
Total Electric Industry Retail Sales	**47,167**	**53,959**	**60,687**	**62,162**	**63,087**	**63,340**	**66,019**	**66,770**
Direct Use	**1,273**	**2,280**	**2,830**	**2,892**	**2,928**	**2,931**	**1,467**	**1,666**
Total International Exports	**1,014**	**113**	**601**	**2,431**	**6,363**	**3,542**	**3,014**	**3,290**
Estimated Losses	**3,536**	**4,096**	**6,080**	**4,641**	**4,665**	**5,374**	**5,047**	**4,966**
Total Disposition	**52,991**	**60,448**	**70,197**	**72,126**	**77,044**	**75,188**	**75,547**	**76,692**
Net Interstate Trade	**-8,178**	**-6,688**	**-12,804**	**-12,742**	**-18,141**	**-16,672**	**-11,760**	**-12,247**
Net Trade Index (ratio)	**0.85**	**0.89**	**0.82**	**0.82**	**0.76**	**0.78**	**0.84**	**0.84**

R = Revised.
NA = Not applicable; NM = Not meaningful.
W = Withheld to avoid disclosure of individual company data.
- = Data not available.
* = 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 10 Notes: Estimated Losses are reported at the utility level, and then allocated to States based on the utility's retail sales by State. Reported losses may include electricity unaccounted for by the utility. Net Interstate Trade represents the difference between the amount of electricity produced in the State and consumed in the State. Positive values indicate a State that is a net interstate exporter of electricity; negative values indicate a State that is a net interstate importer of electricity. The Net Trade Index represents a State's electricity self-sufficiency. Values greater than 1 indicate that, on an annual net basis, the State supplied electricity consumed outside the State; values less than 1 indicate that, on an annual net basis, the State consumed electricity produced outside the State.
General Notes: Table 4 "Other Renewables" includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. The "Other" category includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. However, Table 5 "Other Renewables" includes only biogenic municipal solid waste, in addition to wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. In Table 5 "Other" includes Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. In Table 7, "Other Renewables" emissions include biogenic municipal solid waste, and other renewable 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.

Table 1. 2006 Summary Statistics

Item	Value	U.S. Rank
Mississippi		
NERC Region(s)		**SERC**
Primary Energy Source		**Coal**
Net Summer Capacity (megawatts)	**16,620**	**23**
Electric Utilities	9,407	27
Independent Power Producers & Combined Heat and Power	7,212	16
Net Generation (megawatthours)	**46,228,847**	**30**
Electric Utilities	34,158,706	31
Independent Power Producers & Combined Heat and Power	12,070,141	24
Emissions (thousand metric tons)		
Sulfur Dioxide	82	27
Nitrogen Oxide	45	33
Carbon Dioxide	25,802	33
Sulfur Dioxide (lbs/MWh)	3.9	24
Nitrogen Oxide (lbs/MWh)	2.2	27
Carbon Dioxide (lbs/MWh)	1,230	33
Total Retail Sales (megawatthours)	**46,936,437**	**29**
Full Service Provider Sales (megawatthours)	46,936,437	27
Direct Use (megawatthours)	**1,963,919**	**18**
Average Retail Price (cents/kWh)	**8.33**	**19**

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capacity, 2006

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
Mississippi			
1. Victor J Daniel Jr	Coal	Mississippi Power Co	1,979
2. Grand Gulf	Nuclear	System Energy Resources, Inc	1,266
3. Baxter Wilson	Gas	Entergy Mississippi Inc	1,246
4. Jack Watson	Coal	Mississippi Power Co	998
5. Magnolia Power Plant	Gas	InterGen North America	863
6. Batesville Generation Facility	Gas	LSP Energy Ltd Partnership	858
7. Caledonia	Gas	Caledonia Operating Serv LLC	783
8. Southaven Power LLC	Gas	Southhaven Operating Services, LLC	759
9. Choctaw Gas Generation Project	Gas	Choctaw Gas Generating Pro LLC	735
10. Reliant Energy Choctaw County	Gas	Reliant Energy Wholesale Generation LLC	726

See footnotes at end of tables.

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2006
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
Mississippi						
1. Entergy Mississippi Inc	Investor-Owned	13,477,107	5,386,994	5,162,628	2,927,485	-
2. Mississippi Power Co	Investor-Owned	8,973,957	2,118,106	2,712,904	4,142,947	-
3. Tennessee Valley Authority	Federal	3,139,788	-	-	3,139,788	-
4. Southern Pine Elec Power Assn	Cooperative	1,901,551	952,999	301,275	647,277	-
5. Coast Electric Power Assn	Cooperative	1,550,464	1,018,981	286,350	245,133	-
Total Sales, Top Five Providers		29,042,867	9,477,080	8,463,157	11,102,630	-
Percent of Total State Sales		62	52	65	71	-

See footnotes at end of tables.

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatts)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Mississippi										
Electric Utilities	**7,016**	**7,170**	**7,964**	**8,888**	**9,279**	**9,015**	**8,904**	**9,407**	**95.2**	**56.6**
Coal	2,244	2,255	2,208	2,225	2,231	2,220	2,123	2,108	30.4	12.7
Petroleum	894[R]	31	54	36	36	32	34	36	12.1	0.2
Natural Gas	2,736[R]	3,711	4,492	5,396	5,749	5,493	5,481	5,997	37.1	36.1
Nuclear	1,142	1,173	1,210	1,231	1,263	1,270	1,266	1,266	15.5	7.6
Independent Power Producers and Combined Heat and Power	**355**	**366**	**3,121**	**4,803**	**8,004**	**8,004**	**7,980**	**7,212**	**4.8**	**43.4**
Coal	-	-	-	440	440	440	440	440	-	2.6
Petroleum	-	1	6	-	-	-	-	-	-	-
Natural Gas	61	71	2,860	4,080	7,281	7,331	7,307	6,539	0.8	39.3
Other Gases	-	-	-	4	4	4	4	4	-	*
Other Renewables	294	294	255	279	279	229	229	229	4.0	1.4
Total Electric Industry	**7,371**	**7,536**	**11,084**	**13,691**	**17,282**	**17,019**	**16,885**	**16,620**	**100.0**	**100.0**
Coal	2,244	2,255	2,208	2,665	2,671	2,660	2,563	2,548	30.4	15.3
Petroleum	894[R]	32	60	36	36	32	34	36	12.1	0.2
Natural Gas	2,797[R]	3,782	7,352	9,476	13,029	12,824	12,789	12,537	37.9	75.4
Other Gases	-	-	-	4	4	4	4	4	-	*
Nuclear	1,142	1,173	1,210	1,231	1,263	1,270	1,266	1,266	15.5	7.6
Other Renewables	294	294	255	279	279	229	229	229	4.0	1.4

See footnotes at end of tables.

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatthours)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Mississippi										
Electric Utilities	**22,923,971**	**26,395,165**	**47,550,273**	**35,099,283**	**31,358,938**	**32,838,145**	**30,619,168**	**34,158,706**	**91.0**	**73.9**
Coal	9,445,584	9,259,980	19,196,065	12,483,658	13,742,273	14,274,786	13,389,906	14,907,777	37.5	32.2
Petroleum	705,474	23,738	5,120,602	26,357	1,620,395	2,763,630	1,432,077	395,330	2.8	0.9
Natural Gas	5,350,782	9,098,126	13,309,724	12,529,809	5,093,814	5,566,963	5,719,339	8,437,013	21.2	18.3
Nuclear	7,422,131	8,013,321	9,923,882	10,059,459	10,902,456	10,232,766	10,077,846	10,418,586	29.5	22.5
Independent Power Producers and Combined Heat and Power	**2,277,446**	**2,585,696**	**5,896,179**	**7,801,658**	**8,789,340**	**10,824,468**	**14,448,285**	**12,070,141**	**9.0**	**26.1**
Coal	80,943	64,972	-	2,369,485	3,340,331	3,202,897	3,245,982	3,197,561	0.3	6.9
Petroleum	33,497	14,042	23,088	3,945	11,461	34,038	12,771	3,378	0.1	*
Natural Gas	568,882	623,044	4,440,828	4,441,588	4,383,419	6,065,043	9,637,410	7,268,829	2.3	15.7
Other Gases	-	-	-	37,916	31,799	40,760	19,886	43,723	-	0.1
Hydroelectric	-	-	-	12,129	-	-	-	-	-	-
Other Renewables	1,594,124	1,883,638	1,432,117	936,595	1,022,175	1,478,056	1,525,285	1,541,083	6.3	3.3
Other	-	-	146	-	156	3,674	6,952	15,568	-	*
Total Electric Industry	**25,201,417**	**28,980,861**	**53,446,452**	**42,900,941**	**40,148,278**	**43,662,613**	**45,067,453**	**46,228,847**	**100.0**	**100.0**
Coal	9,526,527	9,324,952	19,196,065	14,853,143	17,082,604	17,477,683	16,635,888	18,105,338	37.8	39.2
Petroleum	738,971	37,780	5,143,690	30,302	1,631,856	2,797,668	1,444,848	398,708	2.9	0.9
Natural Gas	5,919,664	9,721,170	17,750,552	16,971,397	9,477,233	11,632,006	15,356,749	15,705,842	23.5	34.0
Other Gases	-	-	-	37,916	31,799	40,760	19,886	43,723	-	0.1
Nuclear	7,422,131	8,013,321	9,923,882	10,059,459	10,902,456	10,232,766	10,077,846	10,418,586	29.5	22.5
Hydroelectric	-	-	-	12,129	-	-	-	-	-	-
Other Renewables	1,594,124	1,883,638	1,432,117	936,595	1,022,175	1,478,056	1,525,285	1,541,083	6.3	3.3
Other	-	-	146	-	156	3,674	6,952	15,568	-	*

See footnotes at end of tables.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1990, 1995, and 2001 Through 2006

Fuel, Quality	1990	1995	2001	2002	2003	2004	2005	2006
Mississippi								
Coal (cents per million Btu)	165	153	163	W	W	W	W	W
Average heat value (Btu per pound)	12,543	11,221	11,670	9,723	9,235	9,087	8,993	8,961
Average sulfur Content (percent)	1.64	1.04	0.70	0.63	0.59	0.57	0.57	0.60
Petroleum (cents per million Btu)	243	374	377	428	412	465	651	830
Average heat value (Btu per gallon)	151,229	139,507	154,524	145,986	155,336	155,638	155,064	155,619
Average sulfur Content (percent)	2.82	0.23	2.96	1.36	2.79	2.83	2.86	2.83
Natural Gas (cents per million Btu)	176	171	345	346	557	594	911	695
Average heat value (Btu per cubic foot)	1,036	1,039	1,020	1,030	1,036	1,033	1,034	1,036

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1990, 1995, and 2001 Through 2006
(Thousand Metric Tons)

Emission Type	1990	1995	2001	2002	2003	2004	2005	2006
Mississippi								
Sulfur Dioxide								
Coal	96	72	63	60	62	62	60	69
Petroleum	11	*	64	1	12	16	8	3
Natural Gas	*	*	*	*	*	*	*	*
Other	12	15	11	11	12	12	11	11
Total	120	87	138	72	86	90	79	82
Nitrogen Oxide								
Coal	37	49	25	26	32	30	28	34
Petroleum	1	*	17	*	6	10	5	3
Natural Gas	11	16	12	16	6	5	7	5
Other	4	4	4	4	4	4	4	4
Total	53	70	59	47	48	50	44	45
Carbon Dioxide								
Coal	9,168	9,160	17,936	14,006	16,411	16,897	16,177	17,380
Petroleum	684	49	4,333	35	1,328	2,249	1,255	344
Natural Gas	4,789	7,228	8,965	9,297	5,678	6,201	7,694	8,055
Other Renewables	-	4	1	-	1	7	21	23
Total	14,641	16,440	31,235	23,337	23,418	25,354	25,146	25,802

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1990, 1995, and 2001 Through 2006

Sector	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Mississippi										
Retail Sales (thousand megawatthours)										
Residential	12,266	14,181	16,856	17,844	17,670	17,580	17,953	18,276	38.2	38.9
Commercial	6,746	7,539	11,357	11,773	12,593	12,750	12,666	12,949	21.0	27.6
Industrial	12,454	15,477	15,268	15,021	15,281	15,702	15,282	15,712	38.8	33.5
Other	661	671	805	815	NA	NA	NA	NA	2.1	NA
All Sectors	32,127	37,868	44,287	45,452	45,544	46,033	45,901	46,936	100.0	100.0
Retail Revenue (million dollars)										
Residential	845	991	1,243	1,299	1,343	1,444	1,564	1,765	43.0	45.1
Commercial	486	529	788	804	913	1,019	1,075	1,213	24.8	31.0
Industrial	579	688	672	661	684	759	821	934	29.5	23.9
Other	53	57	72	71	NA	NA	NA	NA	2.7	NA
All Sectors	1,963	2,265	2,775	2,835	2,940	3,221	3,460	3,912	100.0	100.0
Average Retail Prices (cents/KWh)										
Residential	6.89	6.99	7.37	7.28	7.60	8.21	8.71	9.66	NA	NA
Commercial	7.21	7.01	6.94	6.83	7.25	7.99	8.48	9.37	NA	NA
Industrial	4.65	4.44	4.40	4.40	4.48	4.83	5.37	5.94	NA	NA
Other	8.03	8.56	8.95	8.76	NA	NA	NA	NA	NA	NA
All Sectors	6.11	5.98	6.26	6.24	6.46	7.00	7.54	8.33	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2006

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Mississippi								
Number of Entities	2	23	1	25	NA	NA	NA	51
Number of Retail Customers	609,244	133,722	7	695,781	NA	NA	NA	1,438,754
Retail Sales (thousand megawatthours)	22,451	4,326	3,140	17,019	NA	NA	NA	46,936
Percentage of Retail Sales	47.83	9.22	6.69	36.26	NA	NA	NA	100.00
Revenue from Retail Sales (million dollars)	1,979	330	114	1,488	NA	NA	NA	3,912
Percentage of Revenue	50.60	8.45	2.92	38.03	NA	NA	NA	100.00
Average Retail Price (cents/kWh)	8.82	7.64	3.64	8.74	NA	NA	NA	8.33

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 services. 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.

Table 10. Supply and Disposition of Electricity, 1990, 1995, and 2001 Through 2006
(Million Kilowatthours)

Category	1990	1995	2001	2002	2003	2004	2005	2006
Mississippi								
Supply								
Generation								
Electric Utilities	22,924	26,395	47,550	35,099	31,359	32,838	30,619	34,159
Independent Power Producers	-	3	2,277	5,040	7,308	9,060	12,704	10,182
Combined Heat and Power, Electric	-	-	1,440	1,366	-	-	-	-
Electric Power Sector Generation Subtotal	**22,924**	**26,398**	**51,267**	**41,505**	**38,667**	**41,898**	**43,323**	**44,341**
Combined Heat and Power, Commercial	-	23	23	26	26	25	19	7
Combined Heat and Power, Industrial	2,277	2,560	2,156	1,370	1,455	1,740	1,725	1,881
Industrial and Commercial Generation Subtotal	**2,277**	**2,583**	**2,179**	**1,396**	**1,482**	**1,764**	**1,745**	**1,888**
Total Net Generation	**25,201**	**28,981**	**53,446**	**42,901**	**40,148**	**43,663**	**45,067**	**46,229**
Total Supply	**25,201**	**28,981**	**53,446**	**42,901**	**40,148**	**43,663**	**45,067**	**46,229**
Disposition								
Retail Sales								
Full Service Providers	32,127	37,868	44,287	45,452	45,544	46,033	45,901	46,936
Total Electric Industry Retail Sales	**32,127**	**37,868**	**44,287**	**45,452**	**45,544**	**46,033**	**45,901**	**46,936**
Direct Use	**2,205**	**2,554**	**2,303**	**2,353**	**2,383**	**2,385**	**1,166**	**1,964**
Estimated Losses	**2,409**	**2,875**	**3,061**	**2,634**	**2,944**	**3,471**	**3,705**	**3,729**
Total Disposition	**36,741**	**43,297**	**49,650**	**50,439**	**50,870**	**51,888**	**50,773**	**52,629**
Net Interstate Trade	**-11,540**	**-14,316**	**3,796**	**-7,538**	**-10,722**	**-8,226**	**-5,705**	**-6,401**
Net Trade Index (ratio)	**0.69**	**0.67**	**1.08**	**0.85**	**0.79**	**0.84**	**0.89**	**0.88**

R = Revised.
NA = Not applicable; NM = Not meaningful.
W = Withheld to avoid disclosure of individual company data.
- = Data not available.
* = 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 10 Notes: Estimated Losses are reported at the utility level, and then allocated to States based on the utility's retail sales by State. Reported losses may include electricity unaccounted for by the utility. Net Interstate Trade represents the difference between the amount of electricity produced in the State and consumed in the State. Positive values indicate a State that is a net interstate exporter of electricity; negative values indicate a State that is a net interstate importer of electricity. The Net Trade Index represents a State's electricity self-sufficiency. Values greater than 1 indicate that, on an annual net basis, the State supplied electricity consumed outside the State; values less than 1 indicate that, on an annual net basis, the State consumed electricity produced outside the State.
General Notes: Table 4 "Other Renewables" includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. The "Other" category includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. However, Table 5 "Other Renewables" includes only biogenic municipal solid waste, in addition to wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. In Table 5 "Other" includes Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. In Table 7, "Other Renewables" emissions include biogenic municipal solid waste, and other renewable 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.

Table 1. 2006 Summary Statistics

Item	Value	U.S. Rank
Missouri		
NERC Region(s)		**SERC/SPP**
Primary Energy Source		**Coal**
Net Summer Capacity (megawatts)	**20,599**	**19**
Electric Utilities	19,675	13
Independent Power Producers & Combined Heat and Power	924	39
Net Generation (megawatthours)	**91,686,343**	**19**
Electric Utilities	91,118,304	12
Independent Power Producers & Combined Heat and Power	568,039	47
Emissions (thousand metric tons)		
Sulfur Dioxide	260	15
Nitrogen Oxide	108	12
Carbon Dioxide	79,102	11
Sulfur Dioxide (lbs/MWh)	6.2	17
Nitrogen Oxide (lbs/MWh)	2.6	23
Carbon Dioxide (lbs/MWh)	1,902	10
Total Retail Sales (megawatthours)	**82,015,230**	**17**
Full Service Provider Sales (megawatthours)	82,015,230	17
Direct Use (megawatthours)	**160,160**	**41**
Average Retail Price (cents/kWh)	**6.30**	**43**

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capacity, 2006

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
Missouri			
1. Labadie	Coal	Union Electric Co	2,415
2. Rush Island	Coal	Union Electric Co	1,208
3. Callaway	Nuclear	Union Electric Co	1,190
4. New Madrid	Coal	Associated Electric Coop, Inc	1,160
5. Thomas Hill	Coal	Associated Electric Coop, Inc	1,120
6. Sioux	Coal	Union Electric Co	994
7. Hawthorn	Coal	Kansas City Power & Light Co	983
8. Meramec	Coal	Union Electric Co	966
9. Iatan	Coal	Kansas City Power & Light Co	651
10. Audrain Generating Station	Gas	Union Electric Co	640

See footnotes at end of tables.

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2006
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
Missouri						
1. Union Electric Co	Investor-Owned	36,864,186	13,081,168	14,056,465	9,707,618	18,935
2. Kansas City Power & Light Co	Investor-Owned	8,692,731	2,598,846	4,383,246	1,710,639	-
3. Aquila Inc	Investor-Owned	7,774,701	3,425,371	3,030,847	1,318,483	-
4. Empire District Electric Co	Investor-Owned	4,155,083	1,680,339	1,531,777	942,967	-
5. Springfield City of	Public	3,044,222	992,238	1,524,353	527,631	-
Total Sales, Top Five Providers		60,530,923	21,777,962	24,526,688	14,207,338	18,935
Percent of Total State Sales		74	64	82	78	100

See footnotes at end of tables.

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatts)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Missouri										
Electric Utilities	**15,180**	**15,724**	**17,726**	**18,409**	**18,587**	**18,606**	**18,970**	**19,675**	**99.3**	**95.5**
Coal	10,678	10,540	11,032	11,053	11,172	11,159	11,172	11,199	69.9	54.4
Petroleum	1,498[R]	1,710[R]	1,616	1,236	1,259	1,243	1,241	1,265	9.8	6.1
Natural Gas	818[R]	1,240[R]	2,736	3,778	3,806	3,853	4,158	4,809	5.3	23.3
Nuclear	1,125	1,125	1,143	1,143	1,137	1,137	1,190	1,190	7.4	5.8
Hydroelectric	544	543	543	543	556	556	552	552	3.6	2.7
Other Renewables	-	-	-	-	-	-	-	3	-	*
Pumped Storage	518	567	657	657	657	657	657	657	3.4	3.2
Independent Power Producers and Combined Heat and Power	**106**	**109**	**1,202**	**1,394**	**1,390**	**1,557**	**1,562**	**924**	**0.7**	**4.5**
Coal	97	96	95	96	96	98	100	100	0.6	0.5
Petroleum	2	9	9	11	11	11	13	13	*	0.1
Natural Gas	6	4	1,098	1,287	1,284	1,449	1,449	811	*	3.9
Total Electric Industry	**15,286**	**15,833**	**18,928**	**19,803**	**19,977**	**20,163**	**20,533**	**20,599**	**100.0**	**100.0**
Coal	10,775	10,636	11,127	11,148	11,267	11,257	11,273	11,299	70.5	54.9
Petroleum	1,500[R]	1,719[R]	1,625	1,247	1,270	1,254	1,254	1,279	9.8	6.2
Natural Gas	824[R]	1,243[R]	3,834	5,065	5,089	5,302	5,607	5,619	5.4	27.3
Nuclear	1,125	1,125	1,143	1,143	1,137	1,137	1,190	1,190	7.4	5.8
Hydroelectric	544	543	543	543	556	556	552	552	3.6	2.7
Other Renewables	-	-	-	-	-	-	-	3	-	*
Pumped Storage	518	567	657	657	657	657	657	657	3.4	3.2

See footnotes at end of tables.

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatthours)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Missouri										
Electric Utilities	**59,010,858**	**65,400,254**	**78,990,878**	**79,796,801**	**86,102,107**	**86,419,717**	**90,159,045**	**91,118,304**	**99.4**	**99.4**
Coal	48,501,751	53,582,211	65,445,161	67,147,996	73,904,272	74,711,159	77,123,580	77,113,165	81.7	84.1
Petroleum	89,342	682,321	637,504	528,353	155,968	195,098	168,258	59,958	0.2	0.1
Natural Gas	265,870	1,015,384	3,634,106	2,477,701	1,820,848	1,978,307	3,522,842	3,512,299	0.4	3.8
Other Gases	-	-	-	-	1,652	2,400	2,383	5,091	-	*
Nuclear	7,998,039	8,241,833	8,384,240	8,389,629	9,699,589	7,830,693	8,030,577	10,116,660	13.5	11.0
Hydroelectric	2,192,115	1,918,507	1,104,135	1,356,928	652,477	1,479,914	1,159,326	199,214	3.7	0.2
Other Renewables	-	24,979	-	143	179	192	-	15,291	-	*
Pumped Storage	-36,259	-64,981	-265,860	-159,004	-253,991	115,325	85,932	47,552	-0.1	0.1
Other	-	-	51,592	55,055	121,112	106,630	66,147	49,074	-	0.1
Independent Power Producers and Combined Heat and Power	**341,972**	**320,704**	**553,995**	**1,365,396**	**1,122,980**	**1,213,194**	**669,185**	**568,039**	**0.6**	**0.6**
Coal	295,042	278,209	303,522	286,971	307,512	268,923	313,562[R]	338,803	0.5	0.4
Petroleum	691	13,940	181	1,042	946	3,632	160	464	*	*
Natural Gas	46,239	28,056	239,456	1,066,236	803,502	901,820	342,625	216,439	0.1	0.2
Other Renewables	-	499	8,798	8,560	8,297	35,072	9,249	7,612	-	*
Other	-	-	2,038	2,587	2,724	3,747	3,589	4,721	-	*
Total Electric Industry	**59,352,830**	**65,720,958**	**79,544,873**	**81,162,197**	**87,225,087**	**87,632,911**	**90,828,230**	**91,686,343**	**100.0**	**100.0**
Coal	48,796,793	53,860,420	65,748,683	67,434,967	74,211,784	74,980,082	77,437,142[R]	77,451,968	82.2	84.5
Petroleum	90,033	696,261	637,685	529,395	156,914	198,730	168,418	60,422	0.2	0.1
Natural Gas	312,109	1,043,440	3,873,562	3,543,937	2,624,350	2,880,127	3,865,467	3,728,738	0.5	4.1
Other Gases	-	-	-	-	1,652	2,400	2,383	5,091	-	*
Nuclear	7,998,039	8,241,833	8,384,240	8,389,629	9,699,589	7,830,693	8,030,577	10,116,660	13.5	11.0
Hydroelectric	2,192,115	1,918,507	1,104,135	1,356,928	652,477	1,479,914	1,159,326	199,214	3.7	0.2
Other Renewables	-	25,478	8,798	8,703	8,476	35,264	9,249	22,903	-	*
Pumped Storage	-36,259	-64,981	-265,860	-159,004	-253,991	115,325	85,932	47,552	-0.1	0.1
Other	-	-	53,630	57,642	123,836	110,377	69,736	53,795	-	0.1

See footnotes at end of tables.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1990, 1995, and 2001 Through 2006

Fuel, Quality	1990	1995	2001	2002	2003	2004	2005	2006
Missouri								
Coal (cents per million Btu)	135	98	96	W	W	W	W	W
Average heat value (Btu per pound)	10,400	9,216	8,940	8,875	8,865	8,838	8,854	8,808
Average sulfur Content (percent)	2.01	0.57	0.36	0.36	0.37	0.38	0.37	0.36
Petroleum (cents per million Btu)	280	110	134	118	W	279	1,236	1,457
Average heat value (Btu per gallon)	107,890	79,069	136,667	136,381	137,769	139,288	137,693	137,188
Average sulfur Content (percent)	2.48	3.90	3.28	3.33	2.39	3.02	0.24	0.24
Natural Gas (cents per million Btu)	172	168	467	W	W	W	W	W
Average heat value (Btu per cubic foot)	1,018	1,006	1,020	1,012	1,016	1,016	1,020	1,024

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1990, 1995, and 2001 Through 2006
(Thousand Metric Tons)

Emission Type	1990	1995	2001	2002	2003	2004	2005	2006
Missouri								
Sulfur Dioxide								
Coal	721	291	218	224	255	265	266	253
Petroleum	3	4	18	11	2	3	7	6
Natural Gas	*	*	*	*	*	*	*	*
Other	-	*	-	*	2	1	1	1
Total	724	295	235	236	258	270	273	260
Nitrogen Oxide								
Coal	261	299	130	127	133	114	113	105
Petroleum	*	2	2	1	*	*	1	*
Natural Gas	1	2	3	2	1	2	1	2
Other	-	*	*	*	*	*	*	*
Total	262	303	135	130	135	117	115	108
Carbon Dioxide								
Coal	47,756	54,188	66,548	67,541	74,219	75,183	77,852	77,204
Petroleum	92	750	664	528	155	196	169	62
Natural Gas	232	726	1,796	1,634	1,192	1,344	1,738	1,781
Other Renewables	-	1	49	52	112	102	70	55
Total	48,080	55,664	69,058	69,755	75,678	76,824	79,829	79,102

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1990, 1995, and 2001 Through 2006

Sector	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Missouri										
Retail Sales (thousand megawatthours)										
Residential	21,652	25,409	30,168	31,684	31,422	31,351	34,412	33,880	40.2	41.3
Commercial	18,469	21,606	26,029	26,796	27,987	28,391	29,640	29,800	34.2	36.3
Industrial	12,937	14,321	15,815	15,341	14,831	14,303	16,869	18,316	24.0	22.3
Other	866	923	1,201	1,179	NA	NA	NA	NA	1.6	NA
Transportation	NA	NA	NA	NA	NA	10	19	19	NA	*
All Sectors	53,925	62,259	73,213	75,001	74,240	74,054	80,940	82,015	100.0	100.0
Retail Revenue (million dollars)										
Residential	1,593	1,843	2,113	2,238	2,186	2,185	2,437	2,520	45.7	48.7
Commercial	1,193	1,334	1,533	1,576	1,618	1,648	1,756	1,811	34.2	35.0
Industrial	640	649	695	679	667	661	766	838	18.4	16.2
Other	59	65	73	73	NA	NA	NA	NA	1.7	NA
Transportation	NA	NA	NA	NA	NA	*	1	1	NA	*
All Sectors	3,485	3,892	4,414	4,565	4,470	4,494	4,960	5,170	100.0	100.0
Average Retail Prices (cents/KWh)										
Residential	7.36	7.25	7.00	7.06	6.96	6.97	7.08	7.44	NA	NA
Commercial	6.46	6.18	5.89	5.88	5.78	5.80	5.92	6.08	NA	NA
Industrial	4.95	4.53	4.39	4.42	4.49	4.62	4.54	4.58	NA	NA
Other	6.81	7.05	6.08	6.20	NA	NA	NA	NA	NA	NA
Transportation	NA	NA	NA	NA	NA	4.91	4.77	5.75	NA	NA
All Sectors	6.46	6.25	6.03	6.09	6.02	6.07	6.13	6.30	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2006

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Missouri								
Number of Entities	4	88	NA	43	1	NA	NA	136
Number of Retail Customers	1,889,833	413,520	NA	707,852	1	NA	NA	3,011,206
Retail Sales (thousand megawatthours)	57,487	11,047	NA	13,462	20	NA	NA	82,015
Percentage of Retail Sales	70.09	13.47	NA	16.41	0.02	NA	NA	100.00
Revenue from Retail Sales (million dollars)	3,451	769	NA	949	1	NA	NA	5,170
Percentage of Revenue	66.75	14.87	NA	18.36	0.02	NA	NA	100.00
Average Retail Price (cents/kWh)	6.00	6.96	NA	7.05	4.89	NA	NA	6.30

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 services. 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.

Table 10. Supply and Disposition of Electricity, 1990, 1995, and 2001 Through 2006
(Million Kilowatthours)

Category	1990	1995	2001	2002	2003	2004	2005	2006
Missouri								
Supply								
Generation								
Electric Utilities	59,011	65,400	78,991	79,797	86,102	86,420	90,159	91,118
Independent Power Producers	-	-	226	1,039	783	828	319	165
Combined Heat and Power, Electric	-	-	-	-	-	46	5	30
Electric Power Sector Generation Subtotal	**59,011**	**65,400**	**79,217**	**80,836**	**86,886**	**87,294**	**90,483**	**91,313**
Combined Heat and Power, Commercial	158	140	137	140	134	155	163	201
Combined Heat and Power, Industrial	184	181	190	186	205	184	182	172
Industrial and Commercial Generation Subtotal	**342**	**321**	**328**	**327**	**340**	**339**	**345**	**373**
Total Net Generation	**59,353**	**65,721**	**79,545**	**81,162**	**87,225**	**87,633**	**90,828**	**91,686**
Total International Imports	**-**	*****	**-**	*****	**-**	**-**	**12**	**3**
Total Supply	**59,353**	**65,721**	**79,545**	**81,162**	**87,225**	**87,633**	**90,841**	**91,689**
Disposition								
Retail Sales								
Full Service Providers	53,925	62,259	73,213	75,001	74,220	74,035	80,921	81,996
Facility Direct Retail Sales	-	-	-	-	20	20	20	20
Total Electric Industry Retail Sales	**53,925**	**62,259**	**73,213**	**75,001**	**74,240**	**74,054**	**80,940**	**82,015**
Direct Use	**338**	**321**	**295**	**301**	**305**	**305**	**293**	**160**
Total International Exports	**-**	**-**	**-**	*****	*****	**6**	**2**	*****
Estimated Losses	**4,043**	**4,726**	**6,070**	**6,986**	**5,491**	**5,997**	**6,791**	**6,730**
Total Disposition	**58,306**	**67,306**	**79,577**	**82,288**	**80,036**	**80,363**	**88,027**	**88,906**
Net Interstate Trade	**1,047**	**-1,585**	**-32**	**-1,126**	**7,189**	**7,270**	**2,814**	**2,784**
Net Trade Index (ratio)	**1.02**	**0.98**	**1.00**	**0.99**	**1.09**	**1.09**	**1.03**	**1.03**

R = Revised.
NA = Not applicable; NM = Not meaningful.
W = Withheld to avoid disclosure of individual company data.
- = Data not available.
* = 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 10 Notes: Estimated Losses are reported at the utility level, and then allocated to States based on the utility's retail sales by State. Reported losses may include electricity unaccounted for by the utility. Net Interstate Trade represents the difference between the amount of electricity produced in the State and consumed in the State. Positive values indicate a State that is a net interstate exporter of electricity; negative values indicate a State that is a net interstate importer of electricity. The Net Trade Index represents a State's electricity self-sufficiency. Values greater than 1 indicate that, on an annual net basis, the State supplied electricity consumed outside the State; values less than 1 indicate that, on an annual net basis, the State consumed electricity produced outside the State.
General Notes: Table 4 "Other Renewables" includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. The "Other" category includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. However, Table 5 "Other Renewables" includes only biogenic municipal solid waste, in addition to wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. In Table 5 "Other" includes Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. In Table 7, "Other Renewables" emissions include biogenic municipal solid waste, and other renewable 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.

Table 1. 2006 Summary Statistics

Item	Value	U.S. Rank
Montana		
NERC Region(s)		**MRO/WECC**
Primary Energy Source		**Coal**
Net Summer Capacity (megawatts)	**5,437**	**40**
Electric Utilities	2,163	38
Independent Power Producers & Combined Heat and Power	3,274	27
Net Generation (megawatthours)	**28,243,536**	**41**
Electric Utilities	6,956,390	39
Independent Power Producers & Combined Heat and Power	21,287,146	14
Emissions (thousand metric tons)		
Sulfur Dioxide	22	40
Nitrogen Oxide	38	35
Carbon Dioxide	19,087	37
Sulfur Dioxide (lbs/MWh)	1.7	40
Nitrogen Oxide (lbs/MWh)	3.0	18
Carbon Dioxide (lbs/MWh)	1,490	21
Total Retail Sales (megawatthours)	**13,814,980**	**41**
Full Service Provider Sales (megawatthours)	10,820,511	42
Deregulated Sales (megawatthours)	2,994,469	12
Direct Use (megawatthours)	**120,358**	**44**
Average Retail Price (cents/kWh)	**6.91**	**37**

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capacity, 2006

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
Montana			
1. Colstrip	Coal	PPL Montana LLC	2,094
2. Noxon Rapids	Hydroelectric	Avista Corp	535
3. Libby	Hydroelectric	USCE-North Pacific Division	525
4. Hungry Horse	Hydroelectric	U S Bureau of Reclamation	428
5. Yellowtail	Hydroelectric	U S Bureau of Reclamation	287
6. Kerr	Hydroelectric	PPL Montana LLC	212
7. Fort Peck	Hydroelectric	USCE-Missouri River District	169
8. J E Corette Plant	Coal	PPL Montana LLC	158
9. Judith Gap Wind Energy Center	Other Renewables	Invenergy Services LLC	135
10. Hardin Generator Project	Coal	Rocky Mountain Power Inc	109

See footnotes at end of tables.

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2006
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
Montana						
1. NorthWestern Energy LLC	Investor-Owned	5,724,620	2,182,722	3,019,330	522,568	-
2. PPL EnergyPlus LLC	Other Provider	2,278,410	-	-	2,278,410	-
3. Flathead Electric Coop Inc	Cooperative	1,380,361	604,712	426,594	349,055	-
4. MDU Resources Group Inc	Investor-Owned	643,223	156,587	218,404	268,232	-
5. Conoco Inc	Other Provider	482,840	-	-	482,840	-
Total Sales, Top Five Providers		10,509,454	2,944,021	3,664,328	3,901,105	-
Percent of Total State Sales		75	67	81	76	-

See footnotes at end of tables.

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatts)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Montana										
Electric Utilities	**4,912**	**4,943**	**2,232**	**2,232**	**2,274**	**2,189**	**2,186**	**2,163**	**98.8**	**39.8**
Coal	2,260	2,260	52	52	52	52	52	52	45.4	1.0
Petroleum	-	-	-	-	-	-	2	2	-	*
Natural Gas	120	120	58	58	97	98	100	100	2.4	1.8
Hydroelectric	2,520	2,551	2,122	2,122	2,124	2,040	2,032	2,009	50.7	36.9
Other Renewables	13	13	-	-	-	-	-	-	0.3	-
Independent Power Producers and Combined Heat and Power	**60**	**121**	**2,907**	**2,939**	**2,937**	**2,943**	**3,082**	**3,274**	**1.2**	**60.2**
Coal	39	39	2,283	2,244	2,248	2,283	2,287	2,408	0.8	44.3
Petroleum	-	61	55	90	90	55	55	55	-	1.0
Natural Gas	-	-	-	-	-	-	-	54	-	1.0
Hydroelectric	11	11	558	595	588	588	588	595	0.2	11.0
Other Renewables	10	10	11	11	11	17	152	162	0.2	3.0
Total Electric Industry	**4,972**	**5,064**	**5,139**	**5,172**	**5,210**	**5,132**	**5,268**	**5,437**	**100.0**	**100.0**
Coal	2,299	2,299	2,335	2,296	2,300	2,335	2,339	2,460	46.2	45.2
Petroleum	-	61	55	90	90	55	57	57	-	1.0
Natural Gas	120	120	58	58	97	98	100	154	2.4	2.8
Hydroelectric	2,531	2,562	2,680	2,717	2,712	2,627	2,619	2,604	50.9	47.9
Other Renewables	23	23	11	11	11	17	152	162	0.5	3.0

See footnotes at end of tables.

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatthours)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Montana										
Electric Utilities	**25,718,975**	**25,411,151**	**4,415,943**	**6,726,239**	**6,020,681**	**6,066,404**	**6,587,015**	**6,956,390**	**98.8**	**24.6**
Coal	14,902,659	14,655,727	311,207	285,747	322,205	347,287	283,468	336,324	57.3	1.2
Petroleum	27,369	25,051	854	720	1,482	1,004	458	426	0.1	*
Natural Gas	41,173	31,908	9,979	6,747	17,997	12,532	10,602	8,347	0.2	*
Hydroelectric	10,672,287	10,698,465	4,093,903	6,433,025	5,678,997	5,705,581	6,292,487	6,611,293	41.0	23.4
Other Renewables	75,487	-	-	-	-	-	-	-	0.3	-
Independent Power Producers and Combined Heat and Power	**310,797**	**550,163**	**19,816,542**	**18,747,466**	**20,248,046**	**20,722,364**	**21,351,763**	**21,287,146**	**1.2**	**75.4**
Coal	216,960	278,420	16,724,676	15,052,082	16,726,430	17,032,941	17,539,871	16,748,756	0.8	59.3
Petroleum	1,613	143,003	496,760	468,939	400,682	437,035	413,533	416,489	*	1.5
Natural Gas	14,082	16,830	10,110	9,931	7,471	19,595	25,465	69,470	0.1	0.2
Other Gases	-	8,678	-	19,160	19,520	22,393	12,787	9,474	-	*
Hydroelectric	44,530	47,388	2,519,571	3,133,884	3,022,775	3,150,450	3,294,862	3,518,868	0.2	12.5
Other Renewables	33,612	55,844	65,425	63,470	71,168	59,950	65,245	524,089	0.1	1.9
Total Electric Industry	**26,029,772**	**25,961,314**	**24,232,485**	**25,473,705**	**26,268,727**	**26,788,768**	**27,938,778**	**28,243,536**	**100.0**	**100.0**
Coal	15,119,619	14,934,147	17,035,883	15,337,829	17,048,635	17,380,228	17,823,339	17,085,080	58.1	60.5
Petroleum	28,982	168,054	497,614	469,659	402,164	438,039	413,991	416,915	0.1	1.5
Natural Gas	55,255	48,738	20,089	16,678	25,468	32,127	36,067	77,817	0.2	0.3
Other Gases	-	8,678	-	19,160	19,520	22,393	12,787	9,474	-	*
Hydroelectric	10,716,817	10,745,853	6,613,474	9,566,909	8,701,772	8,856,031	9,587,349	10,130,161	41.2	35.9
Other Renewables	109,099	55,844	65,425	63,470	71,168	59,950	65,245	524,089	0.4	1.9

See footnotes at end of tables.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1990, 1995, and 2001 Through 2006

Fuel, Quality	1990	1995	2001	2002	2003	2004	2005	2006
Montana								
Coal (cents per million Btu)	67	67	95	W	W	W	W	W
Average heat value (Btu per pound)	8,564	8,520	8,380	8,482	8,515	8,504	8,447	8,428
Average sulfur Content (percent)	0.63	0.68	0.53	0.64	0.62	0.63	0.66	0.66
Petroleum (cents per million Btu)	543	491	-	W	W	W	W	W
Average heat value (Btu per gallon)	141,000	141,000	-	137,148	136,574	137,064	126,095	130,833
Average sulfur Content (percent)	-	-	-	3.66	0.45	0.46	0.35	5.57
Natural Gas (cents per million Btu)	145	358	666	W	W	W	W	W
Average heat value (Btu per cubic foot)	1,218	1,073	1,020	1,104	1,123	1,095	1,106	1,093

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1990, 1995, and 2001 Through 2006
(Thousand Metric Tons)

Emission Type	1990	1995	2001	2002	2003	2004	2005	2006
Montana								
Sulfur Dioxide								
Coal	16	18	28	18	16	19	18	18
Petroleum	*	3	26	3	2	2	2	2
Natural Gas	*	*	-	-	-	-	-	-
Other	1	2	1	2	5	2	2	1
Total	17	23	55	22	23	23	22	22
Nitrogen Oxide								
Coal	85	73	36	31	32	33	36	36
Petroleum	*	1	2	1	*	*	*	*
Natural Gas	*	*	*	*	*	*	*	1
Other	*	1	1	1	3	1	1	1
Total	86	75	40	34	35	35	38	38
Carbon Dioxide								
Coal	15,633	15,639	17,349	15,749	17,908	18,358	18,669	18,185
Petroleum	54	734	799	743	703	823	778	785
Natural Gas	174	205	75	68	58	124	102	117
Total	15,861	16,579	18,223	16,560	18,669	19,305	19,549	19,087

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1990, 1995, and 2001 Through 2006

Sector	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Montana										
Retail Sales (thousand megawatthours)										
Residential	3,358	3,640	3,886	4,031	4,120	4,053	4,221	4,394	25.6	31.8
Commercial	2,738	3,133	3,866	4,003	4,438	4,330	4,473	4,686	20.9	33.9
Industrial	6,529	6,368	3,370	4,463	4,267	4,574	4,784	4,735	49.7	34.3
Other	499	278	324	335	NA	NA	NA	NA	3.8	NA
All Sectors	13,125	13,419	11,447	12,831	12,825	12,957	13,479	13,815	100.0	100.0
Retail Revenue (million dollars)										
Residential	183	222	267	291	311	319	342	364	35.2	38.1
Commercial	128	166	228	251	304	321	332	349	24.7	36.5
Industrial	187	219	222	165	172	190	231	242	36.0	25.4
Other	21	17	24	24	NA	NA	NA	NA	4.1	NA
All Sectors	520	624	742	732	787	830	906	955	100.0	100.0
Average Retail Prices (cents/KWh)										
Residential	5.45	6.09	6.88	7.23	7.56	7.86	8.10	8.28	NA	NA
Commercial	4.68	5.31	5.91	6.28	6.85	7.42	7.43	7.44	NA	NA
Industrial	2.87	3.44	6.59	3.71	4.03	4.15	4.83	5.12	NA	NA
Other	4.26	6.21	7.47	7.04	NA	NA	NA	NA	NA	NA
All Sectors	3.96	4.65	6.48	5.70	6.14	6.40	6.72	6.91	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2006

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Montana								
Number of Entities	4	1	3	30	NA	5	2	45
Number of Retail Customers	343,677	950	19,853	186,160	NA	19	NA	550,659
Retail Sales (thousand megawatthours)	6,117	15	885	3,803	NA	2,994	NA	13,815
Percentage of Retail Sales	44.28	0.11	6.41	27.53	NA	21.68	NA	100.00
Revenue from Retail Sales (million dollars)	518	1	34	266	NA	120	16	955
Percentage of Revenue	54.23	0.09	3.54	27.87	NA	12.61	1.67	100.00
Average Retail Price (cents/kWh)	8.09	5.52	3.82	7.00	NA	4.02	0.53	6.91

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 services. 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.

Table 10. Supply and Disposition of Electricity, 1990, 1995, and 2001 Through 2006
(Million Kilowatthours)

Category	1990	1995	2001	2002	2003	2004	2005	2006
Montana								
Supply								
Generation								
Electric Utilities	25,719	25,411	4,416	6,726	6,021	6,066	6,587	6,956
Independent Power Producers	261	327	19,316	18,327	19,792	20,210	20,851	20,764
Combined Heat and Power, Electric	-	150	426	348	378	434	412	408
Electric Power Sector Generation Subtotal	**25,980**	**25,888**	**24,158**	**25,402**	**26,191**	**26,710**	**27,851**	**28,128**
Combined Heat and Power, Industrial	49	73	75	72	78	78	88	116
Industrial and Commercial Generation Subtotal	**49**	**73**	**75**	**72**	**78**	**78**	**88**	**116**
Total Net Generation	**26,030**	**25,961**	**24,232**	**25,474**	**26,269**	**26,789**	**27,939**	**28,244**
Total International Imports	**47**	**-**	**-**	**52**	**11**	**40**	**109**	**86**
Total Supply	**26,077**	**25,961**	**24,232**	**25,526**	**26,280**	**26,829**	**28,048**	**28,329**
Disposition								
Retail Sales								
Full Service Providers	13,125	13,419	9,599	10,323	10,282	10,084	10,642	10,821
Energy-Only Providers	-	-	1,847	2,508	2,542	2,873	2,836	2,994
Total Electric Industry Retail Sales	**13,125**	**13,419**	**11,447**	**12,831**	**12,825**	**12,957**	**13,479**	**13,815**
Direct Use	**70**	**100**	**150**	**153**	**155**	**155**	**93**	**120**
Total International Exports	*****	*****	*****	**-**	**1**	**76**	**100**	**299**
Estimated Losses	**984**	**1,019**	**1,415**	**2,257**	**1,449**	**3,066**	**3,721**	**3,575**
Total Disposition	**14,179**	**14,538**	**13,012**	**15,242**	**14,430**	**16,255**	**17,393**	**17,810**
Net Interstate Trade	**11,898**	**11,424**	**11,221**	**10,284**	**11,850**	**10,574**	**10,655**	**10,519**
Net Trade Index (ratio)	**1.84**	**1.79**	**1.86**	**1.67**	**1.82**	**1.65**	**1.61**	**1.59**

R = Revised.
NA = Not applicable; NM = Not meaningful.
W = Withheld to avoid disclosure of individual company data.
- = Data not available.
* = 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 *.)
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General Notes: Table 4 "Other Renewables" includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. The "Other" category includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. However, Table 5 "Other Renewables" includes only biogenic municipal solid waste, in addition to wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. In Table 5 "Other" includes Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. In Table 7, "Other Renewables" emissions include biogenic municipal solid waste, and other renewable 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.

Table 1. 2006 Summary Statistics

Item	Value	U.S. Rank
Nebraska		
NERC Region(s)		**MRO**
Primary Energy Source		**Coal**
Net Summer Capacity (megawatts)	**7,071**	**37**
Electric Utilities	7,056	29
Independent Power Producers & Combined Heat and Power	16	51
Net Generation (megawatthours)	**31,669,969**	**39**
Electric Utilities	31,599,046	32
Independent Power Producers & Combined Heat and Power	70,923	51
Emissions (thousand metric tons)		
Sulfur Dioxide	65	29
Nitrogen Oxide	61	30
Carbon Dioxide	22,293	35
Sulfur Dioxide (lbs/MWh)	4.5	21
Nitrogen Oxide (lbs/MWh)	4.3	6
Carbon Dioxide (lbs/MWh)	1,552	19
Total Retail Sales (megawatthours)	**27,276,292**	**36**
Full Service Provider Sales (megawatthours)	27,276,292	36
Direct Use (megawatthours)	**72,863**	**46**
Average Retail Price (cents/kWh)	**6.07**	**46**

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capacity, 2006

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
Nebraska			
1. Gerald Gentleman	Coal	Nebraska Public Power District	1,365
2. Cooper	Nuclear	Nebraska Public Power District	760
3. North Omaha	Coal	Omaha Public Power District	663
4. Nebraska City	Coal	Omaha Public Power District	646
5. Fort Calhoun	Nuclear	Omaha Public Power District	478
6. Cass County	Gas	Omaha Public Power District	320
7. Sarpy County	Gas	Omaha Public Power District	314
8. Rokeby	Gas	Lincoln Electric System	251
9. Beatrice	Gas	Nebraska Public Power District	237
10. Sheldon	Coal	Nebraska Public Power District	225

See footnotes at end of tables.

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2006
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
Nebraska						
1. Omaha Public Power District	Public	9,625,860	3,375,561	3,580,906	2,669,393	-
2. Nebraska Public Power District	Public	3,101,018	779,304	1,026,716	1,294,998	-
3. Lincoln Electric System	Public	3,056,537	1,088,033	1,428,071	540,433	-
4. Loup River Public Power Dist	Public	1,043,048	219,070	193,165	630,813	-
5. Southern Public Power District	Public	832,033	224,708	30,370	576,955	-
Total Sales, Top Five Providers		17,658,496	5,686,676	6,259,228	5,712,592	-
Percent of Total State Sales		65	61	70	64	-

See footnotes at end of tables.

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatts)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Nebraska										
Electric Utilities	**5,452**	**5,529**	**6,010**	**6,052**	**6,667**	**6,722**	**7,007**	**7,056**	**99.8**	**99.8**
Coal	3,094	3,112	3,181	3,196	3,196	3,196	3,196	3,196	56.7	45.2
Petroleum	370[R]	331[R]	708	638	637	638	639	641	6.8	9.1
Natural Gas	565[R]	666[R]	721	811	1,317	1,374	1,589	1,630	10.4	23.1
Nuclear	1,254	1,254	1,234	1,234	1,233	1,232	1,238	1,238	23.0	17.5
Hydroelectric	168	167	162	167	268	266	269	272	3.1	3.9
Other Renewables	-	-	4	6	16	16	76	78	-	1.1
Independent Power Producers and Combined Heat and Power	**8**	**10**	**18**	**17**	**17**	**16**	**16**	**16**	**0.2**	**0.2**
Coal	8	10	8	8	8	8	8	8	0.2	0.1
Petroleum	-	-	1	1	1	1	1	1	-	*
Natural Gas	-	-	5	4	4	2	2	2	-	*
Other Renewables	-	-	5	5	5	4	4	4	-	0.1
Total Electric Industry	**5,460**	**5,539**	**6,028**	**6,069**	**6,684**	**6,738**	**7,023**	**7,071**	**100.0**	**100.0**
Coal	3,102	3,122	3,189	3,204	3,204	3,204	3,204	3,204	56.8	45.3
Petroleum	370[R]	331[R]	709	639	638	639	640	642	6.8	9.1
Natural Gas	565[R]	666[R]	726	815	1,320	1,376	1,591	1,632	10.4	23.1
Nuclear	1,254	1,254	1,234	1,234	1,233	1,232	1,238	1,238	23.0	17.5
Hydroelectric	168	167	162	167	268	266	269	272	3.1	3.9
Other Renewables	-	-	9	10	21	21	80	83	-	1.2

See footnotes at end of tables.

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatthours)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Nebraska										
Electric Utilities	**21,630,677**	**25,279,277**	**30,411,669**	**31,550,226**	**30,367,879**	**31,944,127**	**31,391,643**	**31,599,046**	**100.0**	**99.8**
Coal	12,658,464	16,079,519	20,193,542	19,899,803	20,907,970	20,414,960	20,772,590	20,632,855	58.5	65.1
Petroleum	12,981	26,679	25,154	18,410	47,971	21,004	30,026	18,914	0.1	0.1
Natural Gas	307,841	245,305	340,050	404,106	369,409	288,576	794,533	752,584	1.4	2.4
Other Gases	-	-	-	101	206	142	6	-	-	-
Nuclear	7,511,298	7,485,448	8,726,113	10,122,242	7,996,902	10,241,254	8,801,841	9,002,656	34.7	28.4
Hydroelectric	1,140,093	1,426,058	1,124,122	1,097,486	980,110	913,021	871,473	893,386	5.3	2.8
Other Renewables	-	16,268	2,630	8,078	65,311	65,170	121,174	298,651	-	0.9
Other	-	-	58	-	-	-	-	-	-	-
Independent Power Producers and Combined Heat and Power	**2,910**	**25,023**	**73,543**	**68,268**	**88,105**	**64,582**	**73,091**	**70,923**	*****	**0.2**
Coal	2,686	24,900	45,164	44,104	46,203	42,125	45,581	49,693	*	0.2
Petroleum	-	-	3,035	2,139	881	853	1,209	575	-	*
Natural Gas	224	123	8,681	9,032	11,669	8,825	8,221	6,045	*	*
Other Renewables	-	-	16,663	12,993	29,352	12,779	18,080	14,610	-	*
Total Electric Industry	**21,633,587**	**25,304,300**	**30,485,212**	**31,618,494**	**30,455,984**	**32,008,709**	**31,464,734**	**31,669,969**	**100.0**	**100.0**
Coal	12,661,150	16,104,419	20,238,706	19,943,907	20,954,173	20,457,085	20,818,171	20,682,548	58.5	65.3
Petroleum	12,981	26,679	28,189	20,549	48,852	21,857	31,234[R]	19,489	0.1	0.1
Natural Gas	308,065	245,428	348,731	413,138	381,078	297,401	802,754	758,629	1.4	2.4
Other Gases	-	-	-	101	206	142	6	-	-	-
Nuclear	7,511,298	7,485,448	8,726,113	10,122,242	7,996,902	10,241,254	8,801,841	9,002,656	34.7	28.4
Hydroelectric	1,140,093	1,426,058	1,124,122	1,097,486	980,110	913,021	871,473	893,386	5.3	2.8
Other Renewables	-	16,268	19,293	21,071	94,663	77,949	139,254	313,261	-	1.0
Other	-	-	58	-	-	-	-	-	-	-

See footnotes at end of tables.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1990, 1995, and 2001 Through 2006

Fuel, Quality	1990	1995	2001	2002	2003	2004	2005	2006
Nebraska								
Coal (cents per million Btu)	75	75	57	58	60	66	71	80
Average heat value (Btu per pound)	8,561	8,594	8,585	8,654	8,673	8,574	8,570	8,514
Average sulfur Content (percent)	0.35	0.33	0.31	0.30	0.29	0.32	0.31	0.30
Petroleum (cents per million Btu)	703	224	656	555	457	712	1,343	1,534
Average heat value (Btu per gallon)	138,043	103,081	138,571	138,043	138,040	136,976	138,119	138,124
Average sulfur Content (percent)	0.27	2.68	0.15	0.17	0.12	0.17	0.04	0.02
Natural Gas (cents per million Btu)	201	166	428	417	564	654	824	743
Average heat value (Btu per cubic foot)	946	998	1,020	1,002	998	995	990	984

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1990, 1995, and 2001 Through 2006
(Thousand Metric Tons)

Emission Type	1990	1995	2001	2002	2003	2004	2005	2006
Nebraska								
Sulfur Dioxide								
Coal	47	57	64	62	63	68	67	65
Petroleum	*	*	*	*	*	*	*	*
Natural Gas	*	-	*	-	-	-	*	*
Total	47	57	64	62	63	68	67	65
Nitrogen Oxide								
Coal	78	86	44	43	46	44	46	41
Petroleum	*	*	*	*	*	*	*	*
Natural Gas	*	*	1	1	1	*	11	19
Other	-	-	*	*	1	1	1	1
Total	78	86	45	44	48	46	58	61
Carbon Dioxide								
Coal	13,129	16,648	20,810	20,172	21,096	20,775	21,233	21,087
Petroleum	13	26	29	20	44	21	29	18
Natural Gas	188	161	253	261	248	181	817	1,188
Other Renewables	-	-	*	-	-	-	-	-
Total	13,330	16,835	21,092	20,453	21,388	20,977	22,079	22,293

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1990, 1995, and 2001 Through 2006

Sector	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Nebraska										
Retail Sales (thousand megawatthours)										
Residential	6,800	7,597	8,638	8,956	8,852	8,757	9,309	9,294	38.1	34.1
Commercial	5,086	5,986	7,232	7,384	8,583	8,501	8,848	9,006	28.5	33.0
Industrial	4,618	5,802	7,328	7,563	8,421	8,618	8,819	8,977	25.8	32.9
Other	1,364	1,508	1,525	1,758	NA	NA	NA	NA	7.6	NA
All Sectors	17,868	20,892	24,723	25,661	25,857	25,876	26,976	27,276	100.0	100.0
Retail Revenue (million dollars)										
Residential	423	484	562	603	608	610	665	689	42.5	41.6
Commercial	292	333	396	415	499	497	529	558	29.3	33.7
Industrial	194	223	276	294	352	369	391	409	19.4	24.7
Other	87	88	99	112	NA	NA	NA	NA	8.8	NA
All Sectors	996	1,128	1,333	1,424	1,458	1,475	1,584	1,656	100.0	100.0
Average Retail Prices (cents/KWh)										
Residential	6.23	6.37	6.50	6.73	6.87	6.96	7.14	7.41	NA	NA
Commercial	5.73	5.56	5.48	5.62	5.81	5.84	5.98	6.19	NA	NA
Industrial	4.19	3.84	3.76	3.89	4.18	4.28	4.43	4.56	NA	NA
Other	6.39	5.86	6.51	6.37	NA	NA	NA	NA	NA	NA
All Sectors	5.57	5.40	5.39	5.55	5.64	5.70	5.87	6.07	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2006

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Nebraska								
Number of Entities	NA	151	1	10	NA	NA	NA	162
Number of Retail Customers	NA	947,972	15	22,643	NA	NA	NA	970,630
Retail Sales (thousand megawatthours)	NA	26,441	166	669	NA	NA	NA	27,276
Percentage of Retail Sales	NA	96.94	0.61	2.45	NA	NA	NA	100.00
Revenue from Retail Sales (million dollars)	NA	1,596	3	57	NA	NA	NA	1,656
Percentage of Revenue	NA	96.40	0.17	3.43	NA	NA	NA	100.00
Average Retail Price (cents/kWh)	NA	6.04	1.72	8.48	NA	NA	NA	6.07

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 services. 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.

Table 10. Supply and Disposition of Electricity, 1990, 1995, and 2001 Through 2006
(Million Kilowatthours)

Category	1990	1995	2001	2002	2003	2004	2005	2006
Nebraska								
Supply								
Generation								
Electric Utilities	21,631	25,279	30,412	31,550	30,368	31,944	31,392	31,599
Combined Heat and Power, Electric	-	-	8	8	21	*	8	4
Electric Power Sector Generation Subtotal	**21,631**	**25,279**	**30,420**	**31,558**	**30,389**	**31,944**	**31,400**	**31,604**
Combined Heat and Power, Commercial	-	-	17	17	20	22	19	17
Combined Heat and Power, Industrial	3	25	48	44	46	42	46	50
Industrial and Commercial Generation Subtotal	**3**	**25**	**65**	**61**	**67**	**65**	**65**	**66**
Total Net Generation	**21,634**	**25,304**	**30,485**	**31,618**	**30,456**	**32,009**	**31,465**	**31,670**
Total International Imports	**-**	**-**	**-**	**-**	**2**	**-**	*****	*****
Total Supply	**21,634**	**25,304**	**30,485**	**31,618**	**30,458**	**32,009**	**31,465**	**31,670**
Disposition								
Retail Sales								
Full Service Providers	17,868	20,892	24,723	25,661	25,857	25,876	26,976	27,276
Total Electric Industry Retail Sales	**17,868**	**20,892**	**24,723**	**25,661**	**25,857**	**25,876**	**26,976**	**27,276**
Direct Use	**3**	**25**	**70**	**71**	**72**	**72**	**75**	**73**
Total International Exports	**-**	**-**	**-**	**-**	**-**	**3**	**4**	**1**
Estimated Losses	**1,340**	**1,586**	**1,404**	**2,099**	**1,847**	**2,118**	**2,321**	**2,437**
Total Disposition	**19,211**	**22,504**	**26,196**	**27,831**	**27,775**	**28,069**	**29,376**	**29,788**
Net Interstate Trade	**2,423**	**2,801**	**4,289**	**3,787**	**2,683**	**3,940**	**2,089**	**1,882**
Net Trade Index (ratio)	**1.13**	**1.12**	**1.16**	**1.14**	**1.10**	**1.14**	**1.07**	**1.06**

R = Revised.
NA = Not applicable; NM = Not meaningful.
W = Withheld to avoid disclosure of individual company data.
- = Data not available.
* = 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 10 Notes: Estimated Losses are reported at the utility level, and then allocated to States based on the utility's retail sales by State. Reported losses may include electricity unaccounted for by the utility. Net Interstate Trade represents the difference between the amount of electricity produced in the State and consumed in the State. Positive values indicate a State that is a net interstate exporter of electricity; negative values indicate a State that is a net interstate importer of electricity. The Net Trade Index represents a State's electricity self-sufficiency. Values greater than 1 indicate that, on an annual net basis, the State supplied electricity consumed outside the State; values less than 1 indicate that, on an annual net basis, the State consumed electricity produced outside the State.
General Notes: Table 4 "Other Renewables" includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. The "Other" category includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. However, Table 5 "Other Renewables" includes only biogenic municipal solid waste, in addition to wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. In Table 5 "Other" includes Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. In Table 7, "Other Renewables" emissions include biogenic municipal solid waste, and other renewable 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.

Table 1. 2006 Summary Statistics

Item	Value	U.S. Rank
Nevada		
NERC Region(s)		**WECC**
Primary Energy Source		**Gas**
Net Summer Capacity (megawatts)	**9,648**	**34**
Electric Utilities	6,771	30
Independent Power Producers & Combined Heat and Power	2,876	31
Net Generation (megawatthours)	**31,860,022**	**38**
Electric Utilities	19,686,302	34
Independent Power Producers & Combined Heat and Power	12,173,720	23
Emissions (thousand metric tons)		
Sulfur Dioxide	8	45
Nitrogen Oxide	31	36
Carbon Dioxide	16,620	38
Sulfur Dioxide (lbs/MWh)	0.6	45
Nitrogen Oxide (lbs/MWh)	2.1	28
Carbon Dioxide (lbs/MWh)	1,150	35
Total Retail Sales (megawatthours)	**34,586,260**	**33**
Full Service Provider Sales (megawatthours)	33,329,949	33
Deregulated Sales (megawatthours)	1,256,311	16
Direct Use (megawatthours)	**893,050**	**31**
Average Retail Price (cents/kWh)	**9.63**	**17**

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capacity, 2006

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
Nevada			
1. Mohave	Coal	Southern California Edison Co	1,580
2. Hoover Dam	Hydroelectric	U S Bureau of Reclamation	1,039
3. Chuck Lenzie Generating Station	Gas	Nevada Power Co	935
4. Bighorn Electric Generating Station	Gas	Reliant Energy Wholesale Generation LLC	570
5. Silverhawk	Gas	Nevada Power Co	560
6. Reid Gardner	Coal	Nevada Power Co	555
7. North Valmy	Coal	Sierra Pacific Power Co	522
8. Clark	Gas	Nevada Power Co	519
9. Tracy	Gas	Sierra Pacific Power Co	500
10. Apex Generating Station	Gas	Mirant Las Vegas LLC	494

See footnotes at end of tables.

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2006
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
Nevada						
1. Nevada Power Company	Investor-Owned	21,100,871	9,033,142	4,618,229	7,441,314	8,186
2. Sierra Pacific Power Co	Investor-Owned	8,183,648	2,214,195	2,982,752	2,986,701	-
3. Colorado River Comm of Nevada	Public	1,594,336	-	770,454	823,882	-
4. Avista Energy Inc	Other Provider	811,662	-	-	811,662	-
5. Wells Rural Electric Co	Cooperative	710,881	46,777	45,119	618,985	-
Total Sales, Top Five Providers		32,401,398	11,294,114	8,416,554	12,682,544	8,186
Percent of Total State Sales		94	94	94	93	100

See footnotes at end of tables.

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatts)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Nevada										
Electric Utilities	**4,944**	**5,556**	**5,388**	**5,384**	**5,323**	**5,389**	**5,611[R]**	**6,771**	**97.0**	**70.2**
Coal	2,692	2,717	2,747	2,658	2,657	2,657	2,657	2,657	52.8	27.5
Petroleum	79[R]	50[R]	46	43	45	45	45	45	1.6	0.5
Natural Gas	1,142[R]	1,743[R]	1,547	1,636	1,576	1,642	1,862[R]	3,023	22.4	31.3
Hydroelectric	1,031	1,046	1,048	1,048	1,045	1,045	1,047[R]	1,047	20.2	10.9
Independent Power Producers and Combined Heat and Power	**154**	**749**	**1,495**	**1,472**	**2,185**	**3,281**	**3,103[R]**	**2,876**	**3.0**	**29.8**
Natural Gas	-	517	1,343	1,293	2,007	3,137	2,917[R]	2,688	-	27.9
Hydroelectric	4	4	4	4	6	2	-[R]	-	0.1	-
Other Renewables	150	228	148	168	172	142	185	188	2.9	2.0
Other	-	-	-	7	-	-	-	-	-	-
Total Electric Industry	**5,098**	**6,306**	**6,883**	**6,856**	**7,508**	**8,670**	**8,714**	**9,648**	**100.0**	**100.0**
Coal	2,692	2,717	2,747	2,658	2,657	2,657	2,657	2,657	52.8	27.5
Petroleum	79[R]	50[R]	46	43	45	45	45	45	1.6	0.5
Natural Gas	1,142[R]	2,260[R]	2,890	2,929	3,583	4,779	4,779	5,711	22.4	59.2
Hydroelectric	1,034	1,050	1,052	1,052	1,051	1,047	1,047	1,047	20.3	10.9
Other Renewables	150	228	148	168	172	142	185	188	2.9	2.0
Other	-	-	-	7	-	-	-	-	-	-

See footnotes at end of tables.

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatthours)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Nevada										
Electric Utilities	**19,286,260**	**19,997,354**	**27,896,065**	**25,008,568**	**24,634,871**	**24,246,391**	**24,112,225**	**19,686,302**	**96.2**	**61.8**
Coal	15,053,277	13,971,824	17,736,970	16,413,025	17,085,959	18,257,265	18,384,261	7,253,521	75.1	22.8
Petroleum	284,108	26,549	911,611	25,472	16,793	95,766	20,500	17,347	1.4	0.1
Natural Gas	2,217,027	4,076,540	6,742,903	6,310,687	5,784,181	4,288,157	4,005,084	10,357,808	11.1	32.5
Hydroelectric	1,731,848	1,922,441	2,504,581	2,259,384	1,747,938	1,605,203	1,702,380	2,057,626	8.6	6.5
Independent Power Producers and Combined Heat and Power	**764,425**	**3,966,640**	**5,979,901**	**7,080,367**	**8,560,017**	**13,421,044**	**16,101,527**	**12,173,720**	**3.8**	**38.2**
Petroleum	-	4	17	-	-	-	-	-	-	-
Natural Gas	-	2,367,213	4,770,870	5,899,973	7,468,598	12,098,047	14,726,368	10,815,564	-	33.9
Other Gases	-	-	-	44,909	16,941	15,572	112,451	14,444	-	*
Hydroelectric	3,233	19,093	9,141	8,202	8,767	9,920	-	-	*	-
Other Renewables	761,192	1,553,696	1,199,873	1,127,283	1,065,711	1,297,504	1,262,707	1,343,711	3.8	4.2
Other	-	26,634	-	-	-	-	-	-	-	-
Total Electric Industry	**20,050,685**	**23,963,994**	**33,875,966**	**32,088,935**	**33,194,888**	**37,667,435**	**40,213,752**	**31,860,022**	**100.0**	**100.0**
Coal	15,053,277	13,971,824	17,736,970	16,413,025	17,085,959	18,257,265	18,384,261	7,253,521	75.1	22.8
Petroleum	284,108	26,553	911,628	25,472	16,793	95,766	20,500	17,347	1.4	0.1
Natural Gas	2,217,027	6,443,753	11,513,773	12,210,660	13,252,779	16,386,204	18,731,452	21,173,372	11.1	66.5
Other Gases	-	-	-	44,909	16,941	15,572	112,451	14,444	-	*
Hydroelectric	1,735,081	1,941,534	2,513,722	2,267,586	1,756,705	1,615,123	1,702,380	2,057,626	8.7	6.5
Other Renewables	761,192	1,553,696	1,199,873	1,127,283	1,065,711	1,297,504	1,262,707	1,343,711	3.8	4.2
Other	-	26,634	-	-	-	-	-	-	-	-

See footnotes at end of tables.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1990, 1995, and 2001 Through 2006

Fuel, Quality	1990	1995	2001	2002	2003	2004	2005	2006
Nevada								
Coal (cents per million Btu)	149	131	126	134	142	136	154	173
Average heat value (Btu per pound)	11,122	11,075	11,210	11,284	11,120	11,118	11,176	11,495
Average sulfur Content (percent)	0.53	0.48	0.51	0.53	0.50	0.54	0.53	0.54
Petroleum (cents per million Btu)	314	337	585	600	601	473	990	1,270
Average heat value (Btu per gallon)	148,233	146,667	151,667	139,110	138,548	149,914	141,760	140,610
Average sulfur Content (percent)	0.81	0.59	0.30	0.30	0.26	0.86	0.34	0.31
Natural Gas (cents per million Btu)	196	166	803	438	511	556	723	653
Average heat value (Btu per cubic foot)	1,031	1,029	1,020	1,034	1,040	1,036	1,033	1,040

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1990, 1995, and 2001 Through 2006
(Thousand Metric Tons)

Emission Type	1990	1995	2001	2002	2003	2004	2005	2006
Nevada								
Sulfur Dioxide								
Coal	48	46	45	45	47	49	48	8
Petroleum	1	*	4	*	*	*	*	*
Natural Gas	*	*	*	*	*	*	*	*
Other	-	-	-	-	-	-	-	*
Total	50	46	50	45	47	50	48	8
Nitrogen Oxide								
Coal	65	67	32	35	34	35	36	15
Petroleum	*	*	1	*	*	*	*	*
Natural Gas	3	7	11	8	8	8	8	15
Other	-	*	-	-	*	*	*	1
Total	69	74	44	43	42	43	44	31
Carbon Dioxide								
Coal	14,908	14,468	16,934	15,078	16,671	17,400	17,810	7,331
Petroleum	255	24	1,057	21	15	80	19	16
Natural Gas	1,326	3,364	5,883	5,907	6,272	7,457	8,092	9,238
Geothermal	19	35	31	29	27	33	32	34
Total	16,509	17,891	23,905	21,034	22,985	24,969	25,954	16,620

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1990, 1995, and 2001 Through 2006

Sector	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Nevada										
Retail Sales (thousand megawatthours)										
Residential	5,540	6,655	9,607	9,702	10,340	10,673	11,080	11,978	33.9	34.6
Commercial	3,866	4,731	6,693	7,538	8,168	8,275	8,516	8,975	23.6	26.0
Industrial	6,263	8,496	11,239	11,373	11,624	12,364	12,897	13,625	38.3	39.4
Other	684	777	628	592	NA	NA	NA	NA	4.2	NA
Transportation	NA	NA	NA	NA	NA	NA	8	8	NA	*
All Sectors	16,352	20,659	28,167	29,204	30,132	31,312	32,501	34,586	100.0	100.0
Retail Revenue (million dollars)										
Residential	316	473	872	915	932	1,034	1,130	1,327	35.9	39.9
Commercial	239	319	565	683	718	752	808	908	27.2	27.3
Industrial	294	429	738	824	849	895	994	1,094	33.4	32.8
Other	31	39	39	39	NA	NA	NA	NA	3.5	NA
Transportation	NA	NA	NA	NA	NA	NA	1	1	NA	*
All Sectors	880	1,260	2,213	2,460	2,499	2,681	2,932	3,330	100.0	100.0
Average Retail Prices (cents/KWh)										
Residential	5.70	7.11	9.08	9.43	9.02	9.69	10.20	11.08	NA	NA
Commercial	6.19	6.75	8.45	9.06	8.79	9.08	9.48	10.12	NA	NA
Industrial	4.70	5.05	6.56	7.25	7.30	7.24	7.71	8.03	NA	NA
Other	4.49	5.00	6.15	6.54	NA	NA	NA	NA	NA	NA
Transportation	NA	NA	NA	NA	NA	NA	9.34	9.89	NA	NA
All Sectors	5.38	6.10	7.86	8.42	8.29	8.56	9.02	9.63	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2006

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Nevada								
Number of Entities	2	8	1	8	NA	1	2	22
Number of Retail Customers	1,105,807	27,330	6	35,599	NA	18	NA	1,168,760
Retail Sales (thousand megawatthours)	29,285	2,259	28	1,758	NA	1,256	NA	34,586
Percentage of Retail Sales	84.67	6.53	0.08	5.08	NA	3.63	NA	100.00
Revenue from Retail Sales (million dollars)	3,000	137	*	112	NA	77	3	3,330
Percentage of Revenue	90.11	4.12	0.01	3.35	NA	2.32	0.08	100.00
Average Retail Price (cents/kWh)	10.25	6.08	0.83	6.35	NA	6.15	0.22	9.63

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 services. 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.

Table 10. Supply and Disposition of Electricity, 1990, 1995, and 2001 Through 2006
(Million Kilowatthours)

Category	1990	1995	2001	2002	2003	2004	2005	2006
Nevada								
Supply								
Generation								
Electric Utilities	19,286	19,997	27,896	25,009	24,635	24,246	24,112	19,686
Independent Power Producers	764	1,611	3,535	4,653	5,324	11,022	13,955	9,546
Combined Heat and Power, Electric	-	2,356	2,445	2,428	3,236	2,399	2,146	2,282
Electric Power Sector Generation Subtotal	**20,051**	**23,964**	**33,876**	**32,089**	**33,195**	**37,667**	**40,214**	**31,515**
Combined Heat and Power, Industrial	-	*	-	-	-	-	-	345
Industrial and Commercial Generation Subtotal	**-**	*****	**-**	**-**	**-**	**-**	**-**	**345**
Total Net Generation	**20,051**	**23,964**	**33,876**	**32,089**	**33,195**	**37,667**	**40,214**	**31,860**
Total International Imports	**2**	**-**	**-**	**85**	**250**	**203**	**404**	**157**
Total Supply	**20,053**	**23,964**	**33,876**	**32,174**	**33,445**	**37,870**	**40,618**	**32,017**
Disposition								
Retail Sales								
Full Service Providers	16,352	20,659	28,167	29,204	30,132	31,311	32,326	33,330
Energy-Only Providers	-	-	-	-	-	2	175	1,256
Total Electric Industry Retail Sales	**16,352**	**20,659**	**28,167**	**29,204**	**30,132**	**31,312**	**32,501**	**34,586**
Direct Use	**35**	**213**	**224**	**229**	**232**	**233**	**587**	**893**
Total International Exports	**-**	**-**	**-**	**-**	**-**	**15**	**43**	**67**
Estimated Losses	**1,226**	**1,568**	**1,177**	**1,377**	**1,288**	**1,658**	**1,669**	**2,096**
Total Disposition	**17,613**	**22,441**	**29,568**	**30,811**	**31,652**	**33,218**	**34,800**	**37,643**
Net Interstate Trade	**2,440**	**1,523**	**4,308**	**1,363**	**1,793**	**4,652**	**5,818**	**-5,625**
Net Trade Index (ratio)	**1.14**	**1.07**	**1.15**	**1.04**	**1.06**	**1.14**	**1.17**	**0.85**

R = Revised.
NA = Not applicable; NM = Not meaningful.
W = Withheld to avoid disclosure of individual company data.
- = Data not available.
* = 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 10 Notes: Estimated Losses are reported at the utility level, and then allocated to States based on the utility's retail sales by State. Reported losses may include electricity unaccounted for by the utility. Net Interstate Trade represents the difference between the amount of electricity produced in the State and consumed in the State. Positive values indicate a State that is a net interstate exporter of electricity; negative values indicate a State that is a net interstate importer of electricity. The Net Trade Index represents a State's electricity self-sufficiency. Values greater than 1 indicate that, on an annual net basis, the State supplied electricity consumed outside the State; values less than 1 indicate that, on an annual net basis, the State consumed electricity produced outside the State.
General Notes: Table 4 "Other Renewables" includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. The "Other" category includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. However, Table 5 "Other Renewables" includes only biogenic municipal solid waste, in addition to wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. In Table 5 "Other" includes Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. In Table 7, "Other Renewables" emissions include biogenic municipal solid waste, and other renewable 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.

Table 1. 2006 Summary Statistics

Item	Value	U.S. Rank
New Hampshire		
NERC Region(s)		**NPCC**
Primary Energy Source		**Nuclear**
Net Summer Capacity (megawatts)	**4,340**	**42**
Electric Utilities	1,116	41
Independent Power Producers & Combined Heat and Power	3,224	28
Net Generation (megawatthours)	**22,063,695**	**42**
Electric Utilities	4,574,520	41
Independent Power Producers & Combined Heat and Power	17,489,175	17
Emissions (thousand metric tons)		
Sulfur Dioxide	37	34
Nitrogen Oxide	9	46
Carbon Dioxide	7,065	43
Sulfur Dioxide (lbs/MWh)	3.7	26
Nitrogen Oxide (lbs/MWh)	0.9	46
Carbon Dioxide (lbs/MWh)	706	45
Total Retail Sales (megawatthours)	**11,094,343**	**46**
Full Service Provider Sales (megawatthours)	10,048,822	45
Deregulated Sales (megawatthours)	1,045,521	18
Direct Use (megawatthours)	**124,832**	**43**
Average Retail Price (cents/kWh)	**13.84**	**6**

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capacity, 2006

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
New Hampshire			
1. Seabrook	Nuclear	FPL Energy Seabrook LLC	1,244
2. Granite Ridge	Gas	Granite Ridge Energy LLC	797
3. Newington Power Facility	Gas	Newington Energy LLC	525
4. Merrimack	Coal	Public Service Co of NH	466
5. Newington	Petroleum	Public Service Co of NH	400
6. S C Moore	Hydroelectric	TransCanada Hydro Northeast Inc.,	191
7. Comerford	Hydroelectric	TransCanada Hydro Northeast Inc.,	161
8. Schiller	Coal	Public Service Co of NH	149
9. Berlin Gorham	Petroleum	Fraser NH LLC	35
10. Berlin Gorham	Hydroelectric	Great Lakes Hydro America LLC	30

See footnotes at end of tables.

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2006
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
New Hampshire						
1. Public Service Co of NH	Investor-Owned	7,462,688	3,087,531	3,204,713	1,170,444	-
2. Unitil Energy Systems	Investor-Owned	1,048,943	500,109	429,151	119,683	-
3. Granite State Electric Co	Investor-Owned	749,207	298,083	380,895	70,229	-
4. New Hampshire Elec Coop Inc	Cooperative	735,926	447,197	236,297	52,432	-
5. Constellation NewEnergy, Inc	Other Provider	469,777	-	435,978	33,799	-
Total Sales, Top Five Providers		10,466,541	4,332,920	4,687,034	1,446,587	-
Percent of Total State Sales		93	98	94	79	-

See footnotes at end of tables.

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatts)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
New Hampshire										
Electric Utilities	**2,638**	**2,506**	**1,128**	**1,105**	**1,121**	**1,121**	**1,121**	**1,116**	**90.7**	**25.7**
Coal	622	578	575	575	575	575	575	528	21.4	12.2
Petroleum	546[R]	489[R]	489	465	481	482	482	482	18.8	11.1
Nuclear	1,150	1,155	-	-	-	-	-	-	39.6	-
Hydroelectric	319	284	64	64	65	64	64	68	11.0	1.6
Other Renewables	-	-	-	-	-	-	-	37	-	0.9
Independent Power Producers and Combined Heat and Power	**269**	**245**	**1,715**	**2,322**	**3,123**	**3,149**	**3,200**	**3,224**	**9.3**	**74.3**
Petroleum	35	32	32	32	32	46	47	47	1.2	1.1
Natural Gas	5	-	24	549	1,354	1,354	1,354	1,354	0.2	31.2
Nuclear	-	-	1,161	1,161	1,159	1,159	1,220	1,244	-	28.7
Hydroelectric	88	88	366	449	447	454	443	443	3.0	10.2
Other Renewables	141	125	132	130	131	136	136	136	4.9	3.1
Total Electric Industry	**2,907**	**2,751**	**2,843**	**3,427**	**4,244**	**4,270**	**4,321**	**4,340**	**100.0**	**100.0**
Coal	622	578	575	575	575	575	575	528	21.4	12.2
Petroleum	581[R]	522[R]	521	497	513	528	529	529	20.0	12.2
Natural Gas	5[R]	-[R]	24	549	1,354	1,354	1,354	1,354	0.2	31.2
Nuclear	1,150	1,155	1,161	1,161	1,159	1,159	1,220	1,244	39.6	28.7
Hydroelectric	408	371	429	514	511	518	507	512	14.0	11.8
Other Renewables	141	125	132	130	131	136	136	173	4.9	4.0

See footnotes at end of tables.

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatthours)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
New Hampshire										
Electric Utilities	**10,810,155**	**13,936,033**	**13,095,085**	**12,276,456**	**6,231,573**	**6,169,110**	**5,638,000**	**4,574,520**	**87.1**	**20.7**
Coal	2,959,203	3,367,488	3,706,399	3,722,386	3,923,303	4,076,075	4,072,987	3,885,433	23.9	17.6
Petroleum	2,293,037	1,003,899	428,990	595,575	1,976,692	1,770,459	1,187,323	230,474	18.5	1.0
Natural Gas	-	201,304	42,143	95,547	87	78	1,114	61,054	-	0.3
Nuclear	4,080,691	8,379,376	8,692,743	7,599,861	-	-	-	-	32.9	-
Hydroelectric	1,477,224	983,966	224,810	263,087	331,491	322,498	376,576	342,231	11.9	1.6
Other Renewables	-	-	-	-	-	-	-	55,328	-	0.3
Independent Power Producers and Combined Heat and Power	**1,595,041**	**1,498,346**	**1,979,539**	**3,676,622**	**15,365,534**	**17,706,677**	**18,832,013[R]**	**17,489,175**	**12.9**	**79.3**
Petroleum	53,456	60,857	52,687	54,134	67,834	189,349	169,819	207,076	0.4	0.9
Natural Gas	-	-	76,383	124,822	4,165,378	5,400,332	6,783,621	5,947,173	-	27.0
Nuclear	-	-	-	1,694,756	9,276,288	10,177,573	9,455,885	9,397,856	-	42.6
Hydroelectric	403,863	385,924	765,769	877,853	999,778	993,258	1,422,327	1,186,679	3.3	5.4
Other Renewables	1,137,722	1,051,565	1,025,621	864,954	795,896	883,251	941,899	691,073	9.2	3.1
Other	-	-	59,079	60,103	60,360	62,915	58,462	59,317	-	0.3
Total Electric Industry	**12,405,196**	**15,434,379**	**15,074,624**	**15,953,078**	**21,597,107**	**23,875,787**	**24,470,013[R]**	**22,063,695**	**100.0**	**100.0**
Coal	2,959,203	3,367,488	3,706,399	3,722,386	3,923,303	4,076,075	4,072,987	3,885,433	23.9	17.6
Petroleum	2,346,493	1,064,756	481,677	649,709	2,044,526	1,959,808	1,357,142	437,550	18.9	2.0
Natural Gas	-	201,304	118,526	220,369	4,165,465	5,400,410	6,784,735	6,008,227	-	27.2
Nuclear	4,080,691	8,379,376	8,692,743	9,294,617	9,276,288	10,177,573	9,455,885	9,397,856	32.9	42.6
Hydroelectric	1,881,087	1,369,890	990,579	1,140,940	1,331,269	1,315,756	1,798,903	1,528,910	15.2	6.9
Other Renewables	1,137,722	1,051,565	1,025,621	864,954	795,896	883,251	941,899	746,401	9.2	3.4
Other	-	-	59,079	60,103	60,360	62,915	58,462	59,317	-	0.3

See footnotes at end of tables.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1990, 1995, and 2001 Through 2006

Fuel, Quality	1990	1995	2001	2002	2003	2004	2005	2006
New Hampshire								
Coal (cents per million Btu)	178	159	167	180	170	202	244	256
Average heat value (Btu per pound)	13,303	13,111	13,050	13,245	13,262	13,199	13,087	13,196
Average sulfur Content (percent)	1.81	1.38	1.34	1.17	1.09	1.16	1.32	1.29
Petroleum (cents per million Btu)	227	233	337	371	W	W	W	782
Average heat value (Btu per gallon)	154,329	154,402	151,190	152,400	152,724	152,883	154,024	155,071
Average sulfur Content (percent)	1.86	1.51	0.81	1.48	1.52	1.39	1.15	1.01
Natural Gas (cents per million Btu)	-	183	239	388	W	W	W	W
Average heat value (Btu per cubic foot)	-	1,018	1,010	1,051	1,047	1,045	1,044	1,043

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1990, 1995, and 2001 Through 2006
(Thousand Metric Tons)

Emission Type	1990	1995	2001	2002	2003	2004	2005	2006
New Hampshire								
Sulfur Dioxide								
Coal	37	33	40	35	30	34	37	35
Petroleum	23	8	5	5	21	17	9	2
Natural Gas	-	*	-	-	*	*	*	*
Other	*	*	1	*	1	1	*	*
Total	60	41	46	41	52	52	47	37
Nitrogen Oxide								
Coal	15	8	6	5	5	5	6	6
Petroleum	3	1	1	2	4	3	2	1
Natural Gas	-	*	*	*	2	1	1	1
Other	1	1	3	2	2	2	2	2
Total	19	11	9	9	13	12	11	9
Carbon Dioxide								
Coal	2,816	3,260	3,690	3,664	3,834	4,001	4,063	4,121
Petroleum	2,115	1,009	503	658	1,817	1,826	1,327	433
Natural Gas	-	121	195	128	1,840	2,230	2,665	2,398
Other Renewables	102	101	108	104	109	112	111	112
Total	5,032	4,492	4,496	4,554	7,599	8,169	8,166	7,065

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1990, 1995, and 2001 Through 2006

Sector	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
New Hampshire										
Retail Sales (thousand megawatthours)										
Residential	3,444	3,364	3,789	4,003	4,252	4,282	4,495	4,401	38.4	39.7
Commercial	2,010	3,226	3,911	4,024	4,318	4,363	4,576	4,563	22.4	41.1
Industrial	3,418	2,286	2,483	2,222	2,403	2,328	2,174	2,131	38.1	19.2
Other	107	131	133	134	NA	NA	NA	NA	1.2	NA
All Sectors	8,980	9,007	10,316	10,383	10,973	10,973	11,245	11,094	100.0	100.0
Retail Revenue (million dollars)										
Residential	356	454	473	476	509	535	607	646	43.6	42.1
Commercial	191	367	412	405	445	480	552	642	23.4	41.8
Industrial	256	219	226	202	234	233	249	248	31.3	16.1
Other	14	16	18	17	NA	NA	NA	NA	1.7	NA
All Sectors	816	1,056	1,129	1,100	1,188	1,248	1,408	1,536	100.0	100.0
Average Retail Prices (cents/KWh)										
Residential	10.34	13.50	12.49	11.89	11.98	12.49	13.51	14.68	NA	NA
Commercial	9.50	11.38	10.53	10.06	10.30	10.99	12.06	14.07	NA	NA
Industrial	7.47	9.56	9.11	9.09	9.75	10.01	11.48	11.62	NA	NA
Other	12.74	12.32	13.28	12.84	NA	NA	NA	NA	NA	NA
All Sectors	9.09	11.72	10.95	10.60	10.83	11.37	12.53	13.84	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2006

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
New Hampshire								
Number of Entities	3	5	NA	1	1	5	4	19
Number of Retail Customers	601,475	11,843	NA	77,058	2	1,417	NA	691,795
Retail Sales (thousand megawatthours)	9,123	186	NA	736	4	1,046	NA	11,094
Percentage of Retail Sales	82.24	1.67	NA	6.63	0.03	9.42	NA	100.00
Revenue from Retail Sales (million dollars)	1,283	19	NA	100	1	94	38	1,536
Percentage of Revenue	83.58	1.25	NA	6.49	0.03	6.14	2.50	100.00
Average Retail Price (cents/kWh)	13.92	10.35	NA	13.55	13.25	9.02	3.67	13.84

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 services. 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.

Table 10. Supply and Disposition of Electricity, 1990, 1995, and 2001 Through 2006
(Million Kilowatthours)

Category	1990	1995	2001	2002	2003	2004	2005	2006
New Hampshire								
Supply								
Generation								
Electric Utilities	10,810	13,936	13,095	12,276	6,232	6,169	5,638	4,575
Independent Power Producers	1,135	1,099	1,574	3,385	15,014	17,315	18,438	17,297
Combined Heat and Power, Electric	93	85	80	20	-	-	-	-
Electric Power Sector Generation Subtotal	**12,038**	**15,120**	**14,749**	**15,681**	**21,245**	**23,484**	**24,076**	**21,872**
Combined Heat and Power, Commercial	28	25	31	30	34	33	30	25
Combined Heat and Power, Industrial	338	290	295	242	318	358	364	167
Industrial and Commercial Generation Subtotal	**367**	**315**	**326**	**272**	**352**	**392**	**394**	**192**
Total Net Generation	**12,405**	**15,434**	**15,075**	**15,953**	**21,597**	**23,876**	**24,470**	**22,064**
Total International Imports	**37**	**1,276**	**766**	**326**	**200**	**452**	**575**	**581**
Total Supply	**12,442**	**16,711**	**15,840**	**16,279**	**21,797**	**24,328**	**25,045**	**22,644**
Disposition								
Retail Sales								
Full Service Providers	8,980	9,007	10,314	10,213	10,668	10,848	11,111	10,045
Energy-Only Providers	-	-	1	170	148	110	123	1,046
Facility Direct Retail Sales	-	-	-	-	156	15	11	4
Total Electric Industry Retail Sales	**8,980**	**9,007**	**10,316**	**10,383**	**10,973**	**10,973**	**11,245**	**11,094**
Direct Use	**425**	**397**	**440**	**450**	**456**	**456**	**216**	**125**
Total International Exports	**-**	**-**	**-**	**-**	**53**	**28**	**84**	**106**
Estimated Losses	**673**	**684**	**568**	**725**	**392**	**618**	**667**	**695**
Total Disposition	**10,078**	**10,089**	**11,323**	**11,559**	**11,873**	**12,075**	**12,212**	**12,020**
Net Interstate Trade	**2,364**	**6,622**	**4,517**	**4,720**	**9,924**	**12,253**	**12,833**	**10,624**
Net Trade Index (ratio)	**1.23**	**1.66**	**1.40**	**1.41**	**1.84**	**2.01**	**2.05**	**1.88**

R = Revised.
NA = Not applicable; NM = Not meaningful.
W = Withheld to avoid disclosure of individual company data.
- = Data not available.
* = 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 10 Notes: Estimated Losses are reported at the utility level, and then allocated to States based on the utility's retail sales by State. Reported losses may include electricity unaccounted for by the utility. Net Interstate Trade represents the difference between the amount of electricity produced in the State and consumed in the State. Positive values indicate a State that is a net interstate exporter of electricity; negative values indicate a State that is a net interstate importer of electricity. The Net Trade Index represents a State's electricity self-sufficiency. Values greater than 1 indicate that, on an annual net basis, the State supplied electricity consumed outside the State; values less than 1 indicate that, on an annual net basis, the State consumed electricity produced outside the State.
General Notes: Table 4 "Other Renewables" includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. The "Other" category includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. However, Table 5 "Other Renewables" includes only biogenic municipal solid waste, in addition to wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. In Table 5 "Other" includes Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. In Table 7, "Other Renewables" emissions include biogenic municipal solid waste, and other renewable 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.

Table 1. 2006 Summary Statistics

Item	Value	U.S. Rank
New Jersey		
NERC Region(s)		**RFC**
Primary Energy Source		**Nuclear**
Net Summer Capacity (megawatts)	**18,971**	**22**
Electric Utilities	1,005	42
Independent Power Producers & Combined Heat and Power	17,966	6
Net Generation (megawatthours)	**60,700,139**	**24**
Electric Utilities	1,042,511	43
Independent Power Producers & Combined Heat and Power	59,657,628	6
Emissions (thousand metric tons)		
Sulfur Dioxide	56	31
Nitrogen Oxide	28	38
Carbon Dioxide	19,861	36
Sulfur Dioxide (lbs/MWh)	2.0	37
Nitrogen Oxide (lbs/MWh)	1.0	43
Carbon Dioxide (lbs/MWh)	721	44
Total Retail Sales (megawatthours)	**79,680,947**	**19**
Full Service Provider Sales (megawatthours)	64,113,031	23
Deregulated Sales (megawatthours)	15,567,916	6
Direct Use (megawatthours)	**2,209,981**	**16**
Average Retail Price (cents/kWh)	**11.88**	**9**

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capacity, 2006

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
New Jersey			
1. PSEG Salem Generating Station	Nuclear	PSEG Nuclear LLC	2,342
2. PSEG Linden Generating Station	Gas	PSEG Fossil LLC	1,977
3. Bergen Generating Station	Gas	PSEG Fossil LLC	1,246
4. PSEG Hope Creek Generating Station	Nuclear	PSEG Nuclear LLC	1,061
5. PSEG Hudson Generating Station	Coal	PSEG Fossil LLC	991
6. Linden Cogen Plant	Gas	Cogen Technologies Linden Vent	900
7. PSEG Mercer Generating Station	Coal	PSEG Fossil LLC	777
8. AES Red Oak LLC	Gas	AES Red Oak LLC	766
9. Oyster Creek	Nuclear	AmerGen Energy Co LLC	619
10. PSEG Essex Generating Station	Gas	PSEG Fossil LLC	617

See footnotes at end of tables.

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2006
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
New Jersey						
1. Public Service Elec & Gas Co	Investor-Owned	34,354,438	13,392,801	18,829,797	2,119,605	12,235
2. Jersey Central Power & Lt Co	Investor-Owned	17,885,859	9,547,719	7,610,312	727,828	-
3. Atlantic City Electric Co	Investor-Owned	7,881,023	4,275,086	3,220,027	385,910	-
4. Reliant Energy Solutions East	Other Provider	3,129,905	-	-	3,129,905	-
5. PEPCO Energy Services	Other Provider	2,611,186	-	2,534,252	-	76,934
Total Sales, Top Five Providers		65,862,411	27,215,606	32,194,388	6,363,248	89,169
Percent of Total State Sales		83	95	82	56	31

See footnotes at end of tables.

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatts)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
New Jersey										
Electric Utilities	**13,730**	**13,817**	**1,244**	**1,244**	**1,244**	**1,005**	**1,005**	**1,005**	**94.5**	**5.3**
Coal	1,652	1,629	387	387	387	307	307	307	11.4	1.6
Petroleum	3,784[R]	2,890[R]	286	286	286	232	232	232	26.0	1.2
Natural Gas	4,101[R]	5,056[R]	171	171	171	66	66	66	28.2	0.3
Nuclear	3,863	3,862	-	-	-	-	-	-	26.6	-
Pumped Storage	330	380	400	400	400	400	400	400	2.3	2.1
Independent Power Producers and Combined Heat and Power	**806**	**3,066**	**14,838**	**17,140**	**17,403**	**17,159**	**16,531**	**17,966**	**5.5**	**94.7**
Coal	-	483	1,701	1,737	1,737	1,817	1,770	1,817	-	9.6
Petroleum	6	28	2,159	2,247	2,921	2,582	1,550	1,578	*	8.3
Natural Gas	683	2,374	7,493	9,066	8,602	8,545	8,992	10,319	4.7	54.4
Other Gases	-	-	21	21	21	21	21	44	-	0.2
Nuclear	-	-	3,270	3,875	3,908	3,972	3,984	3,984	-	21.0
Hydroelectric	13	13	12	13	14	12	3	5	0.1	*
Other Renewables	105	169	182	181	200	200	200	208	0.7	1.1
Other	-	-	-	-	-	11	11	11	-	0.1
Total Electric Industry	**14,536**	**16,883**	**16,082**	**18,384**	**18,647**	**18,164**	**17,536**	**18,971**	**100.0**	**100.0**
Coal	1,652	2,112	2,088	2,124	2,124	2,124	2,077	2,124	11.4	11.2
Petroleum	3,790[R]	2,918[R]	2,445	2,533	3,207	2,814	1,782	1,810	26.1	9.5
Natural Gas	4,784[R]	7,430[R]	7,664	9,237	8,773	8,611	9,058	10,385	32.9	54.7
Other Gases	-	-	21	21	21	21	21	44	-	0.2
Nuclear	3,863	3,862	3,270	3,875	3,908	3,972	3,984	3,984	26.6	21.0
Hydroelectric	13	13	12	13	14	12	3	5	0.1	*
Other Renewables	105	169	182	181	200	200	200	208	0.7	1.1
Pumped Storage	330	380	400	400	400	400	400	400	2.3	2.1
Other	-	-	-	-	-	11	11	11	-	0.1

See footnotes at end of tables.

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatthours)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
New Jersey										
Electric Utilities	**36,488,596**	**27,087,559**	**1,630,319**	**1,569,056**	**1,910,115**	**1,648,908**	**1,248,594**	**1,042,511**	**91.3**	**1.7**
Coal	7,057,820	5,105,184	1,439,282	1,416,711	1,792,734	1,800,845	1,376,852	1,213,235	17.7	2.0
Petroleum	1,831,935	884,897	230,522	202,514	209,017	98,826	122,098	98,605	4.6	0.2
Natural Gas	3,978,001	4,386,493	102,255	95,631	28,246	36,476	32,351	29,272	10.0	*
Nuclear	23,770,387	16,805,517	-	-	-	-	-	-	59.5	-
Pumped Storage	-149,547	-94,532	-141,740	-145,800	-119,882	-287,239	-282,707	-298,601	-0.4	-0.5
Independent Power Producers and Combined Heat and Power	**3,480,238**	**18,011,099**	**57,790,941**	**60,000,330**	**55,489,236**	**54,233,433**	**59,300,989**[R]	**59,657,628**	**8.7**	**98.3**
Coal	-	2,060,796	7,879,758	8,188,343	7,996,829	8,521,626	10,248,558	9,648,638	-	15.9
Petroleum	263,034	837,391	1,066,103	528,119	1,332,535	1,291,994	984,463	178,623	0.7	0.3
Natural Gas	2,936,324	13,816,028	16,605,946	18,973,727	14,747,331	15,950,119	15,164,814	15,608,350	7.3	25.7
Other Gases	-	64,073	448,885	90,483	255,374	49,464	64,932	130,450	-	0.2
Nuclear	-	-	30,469,230	30,865,675	29,709,201	27,081,566	31,391,685	32,567,885	-	53.7
Hydroelectric	31,351	10,955	18,002	12,030	38,891	37,503	31,113	35,436	0.1	0.1
Other Renewables	249,529	1,221,856	843,632	847,199	906,771	804,792	874,905[R]	916,783	0.6	1.5
Other	-	-	459,385	494,755	502,304	496,369	540,519	571,461	-	0.9
Total Electric Industry	**39,968,834**	**45,098,658**	**59,421,260**	**61,569,386**	**57,399,351**	**55,882,341**	**60,549,583**[R]	**60,700,139**	**100.0**	**100.0**
Coal	7,057,820	7,165,980	9,319,040	9,605,054	9,789,563	10,322,471	11,625,410	10,861,873	17.7	17.9
Petroleum	2,094,969	1,722,288	1,296,625	730,633	1,541,552	1,390,820	1,106,561	277,228	5.2	0.5
Natural Gas	6,914,325	18,202,521	16,708,201	19,069,358	14,775,577	15,986,595	15,197,165	15,637,622	17.3	25.8
Other Gases	-	64,073	448,885	90,483	255,374	49,464	64,932	130,450	-	0.2
Nuclear	23,770,387	16,805,517	30,469,230	30,865,675	29,709,201	27,081,566	31,391,685	32,567,885	59.5	53.7
Hydroelectric	31,351	10,955	18,002	12,030	38,891	37,503	31,113	35,436	0.1	0.1
Other Renewables	249,529	1,221,856	843,632	847,199	906,771	804,792	874,905[R]	916,783	0.6	1.5
Pumped Storage	-149,547	-94,532	-141,740	-145,800	-119,882	-287,239	-282,707	-298,601	-0.4	-0.5
Other	-	-	459,385	494,755	502,304	496,369	540,519	571,461	-	0.9

See footnotes at end of tables.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1990, 1995, and 2001 Through 2006

Fuel, Quality	1990	1995	2001	2002	2003	2004	2005	2006
New Jersey								
Coal (cents per million Btu)	180	178	227	187	180	205	218	273
Average heat value (Btu per pound)	13,429	13,282	13,000	13,137	13,056	12,868	12,644	12,770
Average sulfur Content (percent)	1.16	1.21	1.57	1.23	1.11	1.58	1.14	1.17
Petroleum (cents per million Btu)	360	286	454	468	604	602	985	970
Average heat value (Btu per gallon)	148,298	149,310	141,667	143,162	139,250	135,095	134,802	141,505
Average sulfur Content (percent)	0.38	0.37	0.54	0.38	0.16	0.14	0.08	0.19
Natural Gas (cents per million Btu)	217	212	336	404	620	696	963	789
Average heat value (Btu per cubic foot)	1,032	1,031	1,030	1,035	1,036	1,031	1,024	1,024

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1990, 1995, and 2001 Through 2006
(Thousand Metric Tons)

Emission Type	1990	1995	2001	2002	2003	2004	2005	2006
New Jersey								
Sulfur Dioxide								
Coal	63	34	45	44	46	47	63	55
Petroleum	9	4	3	2	3	2	2	1
Natural Gas	*	*	*	*	*	*	*	*
Other	*	*	*	*	*	*	*	*
Total	71	38	48	46	49	49	65	56
Nitrogen Oxide								
Coal	35	29	23	24	21	20	22	16
Petroleum	4	2	2	1	2	2	2	1
Natural Gas	10	20	7	9	6	7	6	6
Other	1	2	5	5	5	5	5	5
Total	50	54	37	39	35	34	35	28
Carbon Dioxide								
Coal	6,777	7,323	10,323	9,645	9,825	10,364	11,537	10,691
Petroleum	2,227	1,623	1,400	814	1,489	1,354	997	409
Natural Gas	4,358	10,180	9,189	10,635	8,178	8,874	7,880	8,039
Other Renewables	152	862	840	878	712	697	689	721
Total	13,513	19,987	21,752	21,972	20,205	21,289	21,103	19,861

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1990, 1995, and 2001 Through 2006

Sector	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
New Jersey										
Retail Sales (thousand megawatthours)										
Residential	20,498	22,470	25,491	27,171	27,367	28,020	29,973	28,622	32.6	35.9
Commercial	26,839	29,792	34,445	35,429	36,616	38,074	39,762	39,437	42.7	49.5
Industrial	15,041	13,989	12,707	11,476	12,215	11,210	11,862	11,331	23.9	14.2
Other	479	504	534	526	NA	NA	NA	NA	0.8	NA
Transportation	NA	NA	NA	NA	184	290	299	291	NA	0.4
All Sectors	62,857	66,754	73,177	74,603	76,383	77,593	81,897	79,681	100.0	100.0
Retail Revenue (million dollars)										
Residential	2,123	2,692	2,603	2,820	2,921	3,148	3,518	3,676	37.2	38.8
Commercial	2,400	3,049	3,132	3,155	3,335	3,793	4,218	4,583	42.1	48.4
Industrial	1,107	1,140	1,059	886	976	1,012	1,158	1,180	19.4	12.5
Other	77	91	60	78	NA	NA	NA	NA	1.3	NA
Transportation	NA	NA	NA	NA	13	32	23	28	NA	0.3
All Sectors	5,707	6,972	6,853	6,939	7,245	7,984	8,917	9,467	100.0	100.0
Average Retail Prices (cents/KWh)										
Residential	10.36	11.98	10.21	10.38	10.67	11.23	11.74	12.84	NA	NA
Commercial	8.94	10.23	9.09	8.90	9.11	9.96	10.61	11.62	NA	NA
Industrial	7.36	8.15	8.33	7.72	7.99	9.03	9.76	10.42	NA	NA
Other	15.96	18.07	11.21	14.81	NA	NA	NA	NA	NA	NA
Transportation	NA	NA	NA	NA	7.15	10.94	7.65	9.70	NA	NA
All Sectors	9.08	10.44	9.36	9.30	9.48	10.29	10.89	11.88	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2006

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
New Jersey								
Number of Entities	4	9	NA	1	3	17	4	38
Number of Retail Customers	3,770,658	63,258	NA	11,599	4	2,325	NA	3,847,844
Retail Sales (thousand megawatthours)	61,620	1,217	NA	151	1,125	15,568	NA	79,681
Percentage of Retail Sales	77.33	1.53	NA	0.19	1.41	19.54	NA	100.00
Revenue from Retail Sales (million dollars)	7,431	142	NA	17	121	1,194	562	9,467
Percentage of Revenue	78.50	1.50	NA	0.18	1.28	12.61	5.93	100.00
Average Retail Price (cents/kWh)	12.06	11.70	NA	11.17	10.78	7.67	3.61	11.88

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 services. 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.

Table 10. Supply and Disposition of Electricity, 1990, 1995, and 2001 Through 2006
(Million Kilowatthours)

Category	1990	1995	2001	2002	2003	2004	2005	2006
New Jersey								
Supply								
Generation								
Electric Utilities	36,489	27,088	1,630	1,569	1,910	1,649	1,249	1,043
Independent Power Producers	253	1,434	41,097	43,924	41,228	42,169	46,809	48,723
Combined Heat and Power, Electric	2,202	13,591	13,418	13,693	12,777	10,705	11,365	9,999
Electric Power Sector Generation Subtotal	**38,943**	**42,113**	**56,145**	**59,186**	**55,916**	**54,523**	**59,422**	**59,765**
Combined Heat and Power, Commercial	78	146	172	119	133	106	70	115
Combined Heat and Power, Industrial	948	2,840	3,104	2,265	1,351	1,254	1,057	820
Industrial and Commercial Generation Subtotal	**1,026**	**2,986**	**3,277**	**2,384**	**1,484**	**1,359**	**1,128**	**935**
Total Net Generation	**39,969**	**45,099**	**59,421**	**61,569**	**57,399**	**55,882**	**60,550**	**60,700**
Total Supply	**39,969**	**45,099**	**59,421**	**61,569**	**57,399**	**55,882**	**60,550**	**60,700**
Disposition								
Retail Sales								
Full Service Providers	62,857	66,754	70,136	73,368	68,558	58,768	64,160	62,988
Energy-Only Providers	-	-	3,042	1,235	6,714	18,574	16,553	15,568
Facility Direct Retail Sales	-	-	-	-	1,110	252	1,184	1,125
Total Electric Industry Retail Sales	**62,857**	**66,754**	**73,177**	**74,603**	**76,383**	**77,593**	**81,897**	**79,681**
Direct Use	**1,094**	**2,235**	**2,324**	**2,374**	**2,404**	**2,407**	**2,643**	**2,210**
Total International Exports	**-**	**-**	**-**	**-**	**-**	*****	**-**	**-**
Estimated Losses	**4,713**	**5,068**	**4,418**	**5,686**	**5,890**	**5,721**	**6,504**	**6,080**
Total Disposition	**68,664**	**74,056**	**79,919**	**82,663**	**84,676**	**85,721**	**91,044**	**87,971**
Net Interstate Trade	**-28,695**	**-28,958**	**-20,497**	**-21,093**	**-27,277**	**-29,839**	**-30,494**	**-27,271**
Net Trade Index (ratio)	**0.58**	**0.61**	**0.74**	**0.74**	**0.68**	**0.65**	**0.67**	**0.69**

R = Revised.
NA = Not applicable; NM = Not meaningful.
W = Withheld to avoid disclosure of individual company data.
- = Data not available.
* = 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 10 Notes: Estimated Losses are reported at the utility level, and then allocated to States based on the utility's retail sales by State. Reported losses may include electricity unaccounted for by the utility. Net Interstate Trade represents the difference between the amount of electricity produced in the State and consumed in the State. Positive values indicate a State that is a net interstate exporter of electricity; negative values indicate a State that is a net interstate importer of electricity. The Net Trade Index represents a State's electricity self-sufficiency. Values greater than 1 indicate that, on an annual net basis, the State supplied electricity consumed outside the State; values less than 1 indicate that, on an annual net basis, the State consumed electricity produced outside the State.
General Notes: Table 4 "Other Renewables" includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. The "Other" category includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. However, Table 5 "Other Renewables" includes only biogenic municipal solid waste, in addition to wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. In Table 5 "Other" includes Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. In Table 7, "Other Renewables" emissions include biogenic municipal solid waste, and other renewable 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.

Table 1. 2006 Summary Statistics

Item	Value	U.S. Rank
New Mexico		
NERC Region(s)		**SPP/WECC**
Primary Energy Source		**Coal**
Net Summer Capacity (megawatts)	**7,102**	**36**
Electric Utilities	6,223	31
Independent Power Producers & Combined Heat and Power	880	40
Net Generation (megawatthours)	**37,265,625**	**36**
Electric Utilities	35,411,074	30
Independent Power Producers & Combined Heat and Power	1,854,551	43
Emissions (thousand metric tons)		
Sulfur Dioxide	28	37
Nitrogen Oxide	72	23
Carbon Dioxide	33,051	29
Sulfur Dioxide (lbs/MWh)	1.7	41
Nitrogen Oxide (lbs/MWh)	4.3	7
Carbon Dioxide (lbs/MWh)	1,955	8
Total Retail Sales (megawatthours)	**21,434,957**	**39**
Full Service Provider Sales (megawatthours)	21,434,957	39
Direct Use (megawatthours)	**92,839**	**45**
Average Retail Price (cents/kWh)	**7.37**	**28**

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capacity, 2006

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
New Mexico			
1. Four Corners	Coal	Arizona Public Service Co	2,060
2. San Juan	Coal	Public Service Co of NM	1,643
3. Luna Energy Facility	Gas	Public Service Co of NM	559
4. Cunningham	Gas	Southwestern Public Service Co	485
5. Escalante	Coal	Tri-State G & T Assn, Inc	247
6. Rio Grande	Gas	El Paso Electric Co	229
7. New Mexico Wind Energy Center	Other Renewables	FPL Energy New Mexico Wind LLC	204
8. Maddox	Gas	Southwestern Public Service Co	179
9. Pyramid	Gas	Tri-State G & T Assn, Inc	158
10. Reeves	Gas	Public Service Co of NM	154

See footnotes at end of tables.

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2006
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
New Mexico						
1. Public Service Co of NM	Investor-Owned	7,957,531	2,754,614	3,875,630	1,327,287	-
2. Southwestern Public Service Co	Investor-Owned	3,883,263	911,241	1,363,930	1,608,092	-
3. El Paso Electric Co	Investor-Owned	1,543,723	554,500	884,915	104,308	-
4. City of Farmington	Public	1,228,255	241,849	533,581	452,825	-
5. Texas-New Mexico Power Co	Investor-Owned	1,117,588	256,417	262,502	598,669	-
Total Sales, Top Five Providers		15,730,360	4,718,621	6,920,558	4,091,181	-
Percent of Total State Sales		73	79	80	60	-

See footnotes at end of tables.

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatts)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
New Mexico										
Electric Utilities	**5,042**	**5,078**	**5,250**	**5,463**	**5,398**	**5,393**	**5,692[R]**	**6,223**	**97.3**	**87.6**
Coal	3,899	3,901	3,942	3,942	3,942	3,937	3,957	3,957	75.2	55.7
Petroleum	24	44[R]	-	15	35	35	35	26	0.5	0.4
Natural Gas	1,063	1,076[R]	1,226	1,425	1,339	1,339	1,619[R]	2,158	20.5	30.4
Hydroelectric	57	58	82	82	82	82	82	82	1.1	1.2
Independent Power Producers and Combined Heat and Power	**141**	**182**	**409**	**473**	**891**	**937**	**788[R]**	**880**	**2.7**	**12.4**
Petroleum	26	24	10	10	10	10	2	2	0.5	*
Natural Gas	113	155	397	457	670	656	375[R]	377	2.2	5.3
Other Renewables	2	2	2	6	210	270	410	500	*	7.0
Total Electric Industry	**5,183**	**5,260**	**5,659**	**5,936**	**6,288**	**6,329**	**6,480**	**7,102**	**100.0**	**100.0**
Coal	3,899	3,901	3,942	3,942	3,942	3,937	3,957	3,957	75.2	55.7
Petroleum	49	68[R]	10	25	45	45	37	28	1.0	0.4
Natural Gas	1,176	1,231[R]	1,623	1,881	2,009	1,995	1,994	2,535	22.7	35.7
Hydroelectric	57	58	82	82	82	82	82	82	1.1	1.2
Other Renewables	2	2	2	6	210	270	410	500	*	7.0

See footnotes at end of tables.

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatthours)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
New Mexico										
Electric Utilities	**28,491,171**	**29,431,903**	**32,210,683**	**29,926,241**	**31,770,151**	**32,242,728**	**33,561,875**	**35,411,074**	**98.9**	**95.0**
Coal	25,826,928	26,121,447	28,402,187	26,902,880	28,812,844	29,263,899	29,947,248	29,859,008	89.6	80.1
Petroleum	34,081	23,073	30,210	30,710	47,860	30,321	32,528	40,634	0.1	0.1
Natural Gas	2,424,727	3,023,463	3,540,966	2,728,060	2,738,748	2,809,561	3,417,106	5,313,221	8.4	14.3
Hydroelectric	205,435	263,920	237,320	264,591	170,699	138,947	164,993	198,211	0.7	0.5
Independent Power Producers and Combined Heat and Power	**329,033**	**399,256**	**1,400,960**	**735,466**	**965,502**	**697,632**	**1,573,767**	**1,854,551**	**1.1**	**5.0**
Petroleum	1,545	4,673	36,002	2,379	2,809	1,055	4,381	852	*	*
Natural Gas	313,360	385,530	1,346,306	713,679	779,958	183,112	770,112	576,378	1.1	1.5
Other Renewables	14,128	9,053	18,652	19,408	182,735	513,465	799,274	1,277,321	*	3.4
Total Electric Industry	**28,820,204**	**29,831,159**	**33,611,643**	**30,661,707**	**32,735,653**	**32,940,360**	**35,135,642**	**37,265,625**	**100.0**	**100.0**
Coal	25,826,928	26,121,447	28,402,187	26,902,880	28,812,844	29,263,899	29,947,248	29,859,008	89.6	80.1
Petroleum	35,626	27,746	66,212	33,089	50,669	31,376	36,909	41,486	0.1	0.1
Natural Gas	2,738,087	3,408,993	4,887,272	3,441,739	3,518,706	2,992,673	4,187,218	5,889,599	9.5	15.8
Hydroelectric	205,435	263,920	237,320	264,591	170,699	138,947	164,993	198,211	0.7	0.5
Other Renewables	14,128	9,053	18,652	19,408	182,735	513,465	799,274	1,277,321	*	3.4

See footnotes at end of tables.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1990, 1995, and 2001 Through 2006

Fuel, Quality	1990	1995	2001	2002	2003	2004	2005	2006
New Mexico								
Coal (cents per million Btu)	132	142	147	153	143	148	151	156
Average heat value (Btu per pound)	9,117	9,033	9,250	9,444	9,164	9,225	9,173	9,282
Average sulfur Content (percent)	0.79	0.80	0.72	0.73	0.73	0.72	0.79	0.76
Petroleum (cents per million Btu)	525	490	631	614	W	W	W	W
Average heat value (Btu per gallon)	138,098	136,000	139,524	136,000	136,048	136,007	136,252	136,024
Average sulfur Content (percent)	0.75	1.00	1.00	0.13	-	-	0.01	-
Natural Gas (cents per million Btu)	191	155	415	304	W	W	W	W
Average heat value (Btu per cubic foot)	1,034	1,017	980	997	996	1,000	1,002	997

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1990, 1995, and 2001 Through 2006
(Thousand Metric Tons)

Emission Type	1990	1995	2001	2002	2003	2004	2005	2006
New Mexico								
Sulfur Dioxide								
Coal	54	53	57	46	46	35	28	28
Petroleum	*	*	*	*	*	*	*	*
Natural Gas	*	*	*	*	*	*	*	*
Total	54	53	57	46	46	35	28	28
Nitrogen Oxide								
Coal	122	107	72	68	67	65	66	68
Petroleum	*	*	1	*	*	*	*	*
Natural Gas	4	4	5	4	4	3	4	4
Other	*	*	*	*	-	-	-	*
Total	125	111	78	72	71	68	69	72
Carbon Dioxide								
Coal	26,240	26,116	28,197	26,956	28,993	29,356	30,173	30,011
Petroleum	32	22	57	24	37	23	27	30
Natural Gas	1,655	2,004	2,980	2,172	2,147	1,891	2,540	3,009
Total	27,927	28,142	31,234	29,151	31,177	31,269	32,740	33,051

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1990, 1995, and 2001 Through 2006

Sector	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
New Mexico										
Retail Sales (thousand megawatthours)										
Residential	3,566	4,124	4,999	5,238	5,418	5,635	5,865	6,009	25.8	28.0
Commercial	4,464	5,094	6,844	7,000	8,063	8,239	8,411	8,604	32.3	40.1
Industrial	4,413	5,651	5,272	5,316	5,849	5,972	6,363	6,822	31.9	31.8
Other	1,378	1,547	1,612	1,653	NA	NA	NA	NA	10.0	NA
All Sectors	13,821	16,416	18,727	19,207	19,330	19,846	20,639	21,435	100.0	100.0
Retail Revenue (million dollars)										
Residential	319	368	437	445	471	488	536	544	32.5	34.5
Commercial	363	403	513	505	593	609	657	655	37.0	41.5
Industrial	220	249	287	238	290	312	357	380	22.4	24.1
Other	80	92	103	103	NA	NA	NA	NA	8.1	NA
All Sectors	981	1,112	1,340	1,292	1,354	1,409	1,549	1,579	100.0	100.0
Average Retail Prices (cents/KWh)										
Residential	8.94	8.93	8.74	8.50	8.69	8.67	9.13	9.06	NA	NA
Commercial	8.14	7.91	7.50	7.22	7.36	7.39	7.81	7.61	NA	NA
Industrial	4.98	4.40	5.45	4.48	4.95	5.22	5.61	5.57	NA	NA
Other	5.78	5.95	6.37	6.23	NA	NA	NA	NA	NA	NA
All Sectors	7.10	6.77	7.16	6.73	7.00	7.10	7.51	7.37	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2006

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
New Mexico								
Number of Entities	4	8	1	21	NA	NA	NA	34
Number of Retail Customers	671,306	81,703	32	198,456	NA	NA	NA	951,497
Retail Sales (thousand megawatthours)	14,502	2,277	207	4,449	NA	NA	NA	21,435
Percentage of Retail Sales	67.66	10.62	0.97	20.76	NA	NA	NA	100.00
Revenue from Retail Sales (million dollars)	1,059	160	5	356	NA	NA	NA	1,579
Percentage of Revenue	67.03	10.14	0.31	22.53	NA	NA	NA	100.00
Average Retail Price (cents/kWh)	7.30	7.03	2.34	8.00	NA	NA	NA	7.37

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 services. 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.

Table 10. Supply and Disposition of Electricity, 1990, 1995, and 2001 Through 2006
(Million Kilowatthours)

Category	1990	1995	2001	2002	2003	2004	2005	2006
New Mexico								
Supply								
Generation								
Electric Utilities	28,491	29,432	32,211	29,926	31,770	32,243	33,562	35,411
Independent Power Producers	-	-	370	40	273	589	805	1,291
Combined Heat and Power, Electric	19	17	493	496	504	-	479	479
Electric Power Sector Generation Subtotal	**28,510**	**29,449**	**33,074**	**30,462**	**32,548**	**32,831**	**34,846**	**37,181**
Combined Heat and Power, Commercial	24	22	57	56	55	42	51	49
Combined Heat and Power, Industrial	286	360	481	143	133	67	239	35
Industrial and Commercial Generation Subtotal	**310**	**382**	**537**	**199**	**188**	**109**	**290**	**85**
Total Net Generation	**28,820**	**29,831**	**33,612**	**30,662**	**32,736**	**32,940**	**35,136**	**37,266**
Total International Imports	**-**	**-**	**-**	**15**	**29**	**79**	**126**	**30**
Total Supply	**28,820**	**29,831**	**33,612**	**30,677**	**32,765**	**33,019**	**35,262**	**37,296**
Disposition								
Retail Sales								
Full Service Providers	13,821	16,416	18,727	19,207	19,330	19,846	20,639	21,435
Total Electric Industry Retail Sales	**13,821**	**16,416**	**18,727**	**19,207**	**19,330**	**19,846**	**20,639**	**21,435**
Direct Use	**329**	**399**	**430**	**440**	**445**	**446**	**78**	**93**
Total International Exports	**-**	**-**	**-**	**-**	**-**	**22**	**98**	**65**
Estimated Losses	**1,036**	**1,246**	**1,425**	**1,524**	**846**	**1,302**	**1,768**	**1,853**
Total Disposition	**15,186**	**18,061**	**20,582**	**21,171**	**20,622**	**21,616**	**22,582**	**23,446**
Net Interstate Trade	**13,634**	**11,770**	**13,030**	**9,506**	**12,143**	**11,403**	**12,679**	**13,850**
Net Trade Index (ratio)	**1.90**	**1.65**	**1.63**	**1.45**	**1.59**	**1.53**	**1.56**	**1.59**

R = Revised.
NA = Not applicable; NM = Not meaningful.
W = Withheld to avoid disclosure of individual company data.
- = Data not available.
* = 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 10 Notes: Estimated Losses are reported at the utility level, and then allocated to States based on the utility's retail sales by State. Reported losses may include electricity unaccounted for by the utility. Net Interstate Trade represents the difference between the amount of electricity produced in the State and consumed in the State. Positive values indicate a State that is a net interstate exporter of electricity; negative values indicate a State that is a net interstate importer of electricity. The Net Trade Index represents a State's electricity self-sufficiency. Values greater than 1 indicate that, on an annual net basis, the State supplied electricity consumed outside the State; values less than 1 indicate that, on an annual net basis, the State consumed electricity produced outside the State.
General Notes: Table 4 "Other Renewables" includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. The "Other" category includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. However, Table 5 "Other Renewables" includes only biogenic municipal solid waste, in addition to wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. In Table 5 "Other" includes Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. In Table 7, "Other Renewables" emissions include biogenic municipal solid waste, and other renewable 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.

Table 1. 2006 Summary Statistics

Item	Value	U.S. Rank
New York		
NERC Region(s)		**NPCC**
Primary Energy Source		**Nuclear**
Net Summer Capacity (megawatts)	**39,550**	**6**
Electric Utilities	12,046	20
Independent Power Producers & Combined Heat and Power	27,505	5
Net Generation (megawatthours)	**142,265,432**	**7**
Electric Utilities	41,598,844	26
Independent Power Producers & Combined Heat and Power	100,666,588	5
Emissions (thousand metric tons)		
Sulfur Dioxide	122	21
Nitrogen Oxide	64	28
Carbon Dioxide	50,961	19
Sulfur Dioxide (lbs/MWh)	1.9	38
Nitrogen Oxide (lbs/MWh)	1.0	44
Carbon Dioxide (lbs/MWh)	790	42
Total Retail Sales (megawatthours)	**142,238,019**	**7**
Full Service Provider Sales (megawatthours)	87,101,911	15
Deregulated Sales (megawatthours)	55,136,108	1
Direct Use (megawatthours)	**1,717,878**	**19**
Average Retail Price (cents/kWh)	**15.27**	**3**

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capacity, 2006

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
New York			
1. Robert Moses Niagara	Hydroelectric	New York Power Authority	2,353
2. Ravenswood	Gas	KeySpan-Ravenswood Inc	2,324
3. Nine Mile Point Nuclear Station	Nuclear	Nine Mile Point Nuclear Sta LLC	1,761
4. Oswego Harbor Power	Petroleum	NRG Oswego Harbor Power Operations Inc	1,635
5. Northport	Gas	KeySpan Generation LLC	1,565
6. Astoria Generating Station	Gas	U S Power Generating Company LLC	1,273
7. Roseton Generating Station	Petroleum	Dynegy Northeast Gen Inc	1,213
8. Bowline Point	Gas	Mirant New York Inc	1,139
9. Athens Generating Plant	Gas	Athens Generating Company LLC	1,138
10. Blenheim Gilboa	Pumped Storage	New York Power Authority	1,057

See footnotes at end of tables.

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2006
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
New York						
1. Consolidated Edison Co-NY Inc	Investor-Owned	26,100,714	12,589,959	13,230,007	267,531	13,217
2. Long Island Power Authority	Public	18,353,670	9,277,824	8,824,667	-	251,179
3. Niagara Mohawk Power Corp	Investor-Owned	16,912,826	10,247,534	5,075,399	1,589,350	543
4. New York Power Authority	Public	14,887,670	-	7,560,230	4,711,473	2,615,967
5. New York State Elec & Gas Corp	Investor-Owned	9,953,801	5,648,612	2,532,073	1,745,002	28,114
Total Sales, Top Five Providers		86,208,681	37,763,929	37,222,376	8,313,356	2,909,020
Percent of Total State Sales		61	78	49	56	100

See footnotes at end of tables.

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatts)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
New York										
Electric Utilities	**31,224**	**32,147**	**11,572**	**11,675**	**11,902**	**11,386**	**11,927**	**12,046**	**96.3**	**30.5**
Coal	3,887	3,870	302	302	302	297	297	297	12.0	0.8
Petroleum	12,349[R]	7,637[R]	3,638	3,638	3,688	2,642	2,450	2,468	38.1	6.2
Natural Gas	5,065[R]	8,469[R]	2,682	2,783	2,908	3,894	4,628	4,628	15.6	11.7
Nuclear	4,839	4,824	498	498	498	-	-	-	14.9	-
Hydroelectric	1,645	3,906	3,155	3,158	3,210	3,256	3,256	3,356	5.1	8.5
Pumped Storage	3,440	3,440	1,297	1,297	1,297	1,297	1,297	1,297	10.6	3.3
Independent Power Producers and Combined Heat and Power	**1,184**	**5,329**	**24,080**	**24,366**	**24,795**	**26,457**	**27,195**	**27,505**	**3.7**	**69.5**
Coal	264	395	3,811	3,842	3,924	3,904	3,921	3,717	0.8	9.4
Petroleum	86	55	4,155	4,218	4,768	4,766	4,782	4,773	0.3	12.1
Natural Gas	258	4,078	10,242	10,415	10,249	11,380	11,867	12,189	0.8	30.8
Other Gases	20	20	-	-	-	-	-	-	0.1	-
Nuclear	-	-	4,550	4,550	4,531	5,067	5,150	5,156	-	13.0
Hydroelectric	289	366	957	952	950	954	951	951	0.9	2.4
Other Renewables	266	413	365	390	373	386	525	720	0.8	1.8
Total Electric Industry	**32,408**	**37,476**	**35,653**	**36,041**	**36,696**	**37,842**	**39,122**	**39,550**	**100.0**	**100.0**
Coal	4,151	4,266	4,113	4,144	4,226	4,201	4,218	4,014	12.8	10.1
Petroleum	12,435[R]	7,693[R]	7,793	7,856	8,456	7,407	7,231	7,241	38.4	18.3
Natural Gas	5,322[R]	12,547[R]	12,925	13,197	13,156	15,274	16,494	16,816	16.4	42.5
Other Gases	20	20	-	-	-	-	-	-	0.1	-
Nuclear	4,839	4,824	5,047	5,047	5,028	5,067	5,150	5,156	14.9	13.0
Hydroelectric	1,934	4,272	4,113	4,109	4,160	4,210	4,207	4,307	6.0	10.9
Other Renewables	266	413	365	390	373	386	525	720	0.8	1.8
Pumped Storage	3,440	3,440	1,297	1,297	1,297	1,297	1,297	1,297	10.6	3.3

See footnotes at end of tables.

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatthours)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
New York										
Electric Utilities	**128,655,291**	**101,160,796**	**58,568,850**	**43,466,278**	**41,578,894**	**40,955,819**	**39,962,653**	**41,598,844**	**95.1**	**29.2**
Coal	24,616,655	19,943,312	2,087,952	1,682,022	1,693,854	1,707,414	1,108,151	1,211,432	18.2	0.9
Petroleum	33,404,291	7,834,878	9,177,172	7,434,611	9,681,490	9,159,172	9,769,302	3,927,419	24.7	2.8
Natural Gas	21,262,936	23,414,071	8,871,000	10,798,275	7,737,717	7,210,772	8,113,145	15,424,911	15.7	10.8
Nuclear	23,623,356	26,336,172	20,753,492	3,826,848	3,864,019	1,917,259	-	-	17.5	-
Hydroelectric	26,802,148	24,782,142	18,609,754	20,645,746	19,513,620	21,774,373	21,752,786	21,791,238	19.8	15.3
Other Renewables	-	12,234	-	-	-	-	-	-	-	-
Pumped Storage	-1,054,095	-1,162,013	-930,520	-921,224	-911,806	-813,171	-780,731	-756,156	-0.8	-0.5
Independent Power Producers and Combined Heat and Power	**6,690,401**	**32,252,485**	**85,345,709**	**96,125,411**	**96,064,422**	**97,008,974**	**106,924,766**	**100,666,588**	**4.9**	**70.8**
Coal	1,296,392	2,345,601	21,343,970	21,557,091	21,887,213	21,146,482	19,489,531[R]	19,757,216	1.0	13.9
Petroleum	480,564	433,412	7,334,921	4,099,498	9,610,109	11,998,634	14,274,956	2,902,450	0.4	2.0
Natural Gas	1,461,399	25,642,435	29,826,215	27,652,917	20,418,631	20,114,103	23,717,861[R]	26,646,281	1.1	18.7
Other Gases	89,034	96,673	114,537	-	-	-	-	-	0.1	-
Nuclear	-	-	19,641,493	35,790,643	36,815,186	38,723,046	42,443,152	42,223,899	-	29.7
Hydroelectric	1,386,074	1,211,055	4,474,201	4,402,149	4,755,040	2,215,289	4,029,732	5,553,417	1.0	3.9
Other Renewables	1,976,938	2,523,309	1,801,072	1,807,668	1,735,500	1,927,047	1,998,458[R]	2,606,487	1.5	1.8
Other	-	-	809,300	815,443	842,742	884,374	971,076	976,838	-	0.7
Total Electric Industry	**135,345,692**	**133,413,281**	**143,914,559**	**139,591,689**	**137,643,316**	**137,964,793**	**146,887,419**	**142,265,432**	**100.0**	**100.0**
Coal	25,913,047	22,288,913	23,431,922	23,239,113	23,581,067	22,853,896	20,597,682[R]	20,968,648	19.1	14.7
Petroleum	33,884,855	8,268,290	16,512,093	11,534,109	19,291,599	21,157,806	24,044,258	6,829,869	25.0	4.8
Natural Gas	22,724,335	49,056,506	38,697,215	38,451,192	28,156,348	27,324,875	31,831,006[R]	42,071,192	16.8	29.6
Other Gases	89,034	96,673	114,537	-	-	-	-	-	0.1	-
Nuclear	23,623,356	26,336,172	40,394,985	39,617,491	40,679,205	40,640,305	42,443,152	42,223,899	17.5	29.7
Hydroelectric	28,188,222	25,993,197	23,083,955	25,047,895	24,268,660	23,989,662	25,782,518	27,344,655	20.8	19.2
Other Renewables	1,976,938	2,535,543	1,801,072	1,807,668	1,735,500	1,927,047	1,998,458[R]	2,606,487	1.5	1.8
Pumped Storage	-1,054,095	-1,162,013	-930,520	-921,224	-911,806	-813,171	-780,731	-756,156	-0.8	-0.5
Other	-	-	809,300	815,443	842,742	884,374	971,076	976,838	-	0.7

See footnotes at end of tables.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1990, 1995, and 2001 Through 2006

Fuel, Quality	1990	1995	2001	2002	2003	2004	2005	2006
New York								
Coal (cents per million Btu)	161	141	142	155	159	176	213	240
Average heat value (Btu per pound)	12,846	13,051	13,025	13,019	12,545	12,063	11,832	11,584
Average sulfur Content (percent)	1.84	1.79	1.97	1.78	1.80	1.66	1.40	1.36
Petroleum (cents per million Btu)	360	263	350	366	493	486	731	800
Average heat value (Btu per gallon)	150,036	148,624	149,286	149,371	149,998	149,024	148,914	150,136
Average sulfur Content (percent)	0.76	0.57	0.65	1.02	0.67	0.89	0.72	0.63
Natural Gas (cents per million Btu)	238	208	405	399	605	653	905	761
Average heat value (Btu per cubic foot)	1,033	1,026	1,010	1,019	1,025	1,021	1,019	1,018

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1990, 1995, and 2001 Through 2006
(Thousand Metric Tons)

Emission Type	1990	1995	2001	2002	2003	2004	2005	2006
New York								
Sulfur Dioxide								
Coal	271	200	198	194	187	158	121	100
Petroleum	138	27	62	43	70	76	65	21
Natural Gas	*	*	*	*	*	*	*	*
Other	8	3	1	1	2	2	2	1
Total	417	229	261	239	259	236	187	122
Nitrogen Oxide								
Coal	106	81	46	46	39	33	30	29
Petroleum	51	12	25	16	24	28	28	13
Natural Gas	30	50	17	22	14	13	15	11
Other	6	6	8	8	9	10	10	11
Total	193	149	97	91	86	85	82	64
Carbon Dioxide								
Coal	26,368	23,408	24,280	23,496	24,072	23,407	21,536	21,542
Petroleum	27,877	7,159	14,449	10,046	16,337	18,044	20,237	6,143
Natural Gas	13,096	24,545	20,216	20,715	15,007	14,481	16,954	21,526
Other Renewables	1,087	1,389	1,518	1,514	1,531	1,604	1,719	1,750
Total	68,428	56,501	60,463	55,771	56,946	57,535	60,445	50,961

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1990, 1995, and 2001 Through 2006

Sector	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
New York										
Retail Sales (thousand megawatthours)										
Residential	38,574	39,887	44,236	46,457	47,116	47,379	50,533	48,427	29.8	34.0
Commercial	46,921	52,751	60,806	62,271	72,495	74,378	76,822	76,029	36.3	53.5
Industrial	31,929	25,317	25,450	25,148	21,745	20,675	19,947	14,976	24.7	10.5
Other	11,900	12,515	13,689	13,565	NA	NA	NA	NA	9.2	NA
Transportation	NA	NA	NA	NA	2,689	2,650	2,846	2,806	NA	2.0
All Sectors	129,324	130,471	144,181	147,440	144,045	145,082	150,148	142,238	100.0	100.0
Retail Revenue (million dollars)										
Residential	4,414	5,544	6,209	6,295	6,743	6,890	7,945	8,181	36.4	37.7
Commercial	4,911	6,290	7,827	7,681	9,372	9,654	11,031	11,793	40.5	54.3
Industrial	1,846	1,466	1,414	1,302	1,552	1,455	1,641	1,407	15.2	6.5
Other	947	1,135	1,201	1,177	NA	NA	NA	NA	7.8	NA
Transportation	NA	NA	NA	NA	252	210	324	335	NA	1.5
All Sectors	12,119	14,435	16,651	16,454	17,920	18,209	20,941	21,716	100.0	100.0
Average Retail Prices (cents/KWh)										
Residential	11.44	13.90	14.04	13.55	14.31	14.54	15.72	16.89	NA	NA
Commercial	10.47	11.92	12.87	12.33	12.93	12.98	14.36	15.51	NA	NA
Industrial	5.78	5.79	5.56	5.18	7.14	7.04	8.23	9.39	NA	NA
Other	7.96	9.07	8.77	8.68	NA	NA	NA	NA	NA	NA
Transportation	NA	NA	NA	NA	9.38	7.92	11.39	11.94	NA	NA
All Sectors	9.37	11.06	11.55	11.16	12.44	12.55	13.95	15.27	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2006

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
New York								
Number of Entities	8	49	NA	4	4	32	9	106
Number of Retail Customers	5,913,193	1,268,579	NA	17,511	1,872	642,226	NA	7,843,381
Retail Sales (thousand megawatthours)	63,062	23,003	NA	193	844	55,136	NA	142,238
Percentage of Retail Sales	44.34	16.17	NA	0.14	0.59	38.76	NA	100.00
Revenue from Retail Sales (million dollars)	10,044	3,793	NA	19	145	5,398	2,316	21,716
Percentage of Revenue	46.25	17.47	NA	0.09	0.67	24.86	10.67	100.00
Average Retail Price (cents/kWh)	15.93	16.49	NA	9.81	17.22	9.79	4.20	15.27

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 services. 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.

Table 10. Supply and Disposition of Electricity, 1990, 1995, and 2001 Through 2006
(Million Kilowatthours)

Category	1990	1995	2001	2002	2003	2004	2005	2006
New York								
Supply								
Generation								
Electric Utilities	128,655	101,161	58,569	43,466	41,579	40,956	39,963	41,599
Independent Power Producers	2,433	3,142	62,191	76,297	77,979	81,182	90,252	86,965
Combined Heat and Power, Electric	1,262	23,754	20,401	17,189	15,615	13,744	14,475	11,624
Electric Power Sector Generation Subtotal	**132,350**	**128,057**	**141,161**	**136,952**	**135,173**	**135,882**	**144,690**	**140,187**
Combined Heat and Power, Commercial	178	1,085	621	567	551	614	672	727
Combined Heat and Power, Industrial	2,818	4,271	2,133	2,073	1,920	1,468	1,525	1,351
Industrial and Commercial Generation Subtotal	**2,996**	**5,357**	**2,754**	**2,639**	**2,471**	**2,083**	**2,197**	**2,078**
Total Net Generation	**135,346**	**133,413**	**143,915**	**139,592**	**137,643**	**137,965**	**146,887**	**142,265**
Total International Imports	**3,802**	**9,002**	**11,845**	**14,075**	**9,995**	**9,458**	**10,717**	**12,495**
Total Supply	**139,148**	**142,415**	**155,760**	**153,667**	**147,638**	**147,423**	**157,605**	**154,761**
Disposition								
Retail Sales								
Full Service Providers	129,324	130,471	125,595	123,932	100,096	95,980	93,237	86,258
Energy-Only Providers	-	-	18,586	23,508	43,657	48,731	56,673	55,136
Facility Direct Retail Sales	-	-	-	-	291	370	238	844
Total Electric Industry Retail Sales	**129,324**	**130,471**	**144,181**	**147,440**	**144,045**	**145,082**	**150,148**	**142,238**
Direct Use	**2,739**	**3,911**	**4,075**	**4,164**	**4,217**	**4,221**	**3,803**	**1,718**
Total International Exports	**3,090**	**190**	**4,083**	**3,111**	**4,511**	**4,264**	**3,416**	**2,510**
Estimated Losses	**9,696**	**9,905**	**4,154**	**7,233**	**7,411**	**15,133**	**12,003**	**6,700**
Total Disposition	**144,850**	**144,476**	**156,493**	**161,948**	**160,183**	**168,700**	**169,369**	**153,166**
Net Interstate Trade	**-5,702**	**-2,061**	**-733**	**-8,281**	**-12,545**	**-21,278**	**-11,765**	**1,595**
Net Trade Index (ratio)	**0.96**	**0.99**	**1.00**	**0.95**	**0.92**	**0.87**	**0.93**	**1.01**

R = Revised.
NA = Not applicable; NM = Not meaningful.
W = Withheld to avoid disclosure of individual company data.
- = Data not available.
* = 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 10 Notes: Estimated Losses are reported at the utility level, and then allocated to States based on the utility's retail sales by State. Reported losses may include electricity unaccounted for by the utility. Net Interstate Trade represents the difference between the amount of electricity produced in the State and consumed in the State. Positive values indicate a State that is a net interstate exporter of electricity; negative values indicate a State that is a net interstate importer of electricity. The Net Trade Index represents a State's electricity self-sufficiency. Values greater than 1 indicate that, on an annual net basis, the State supplied electricity consumed outside the State; values less than 1 indicate that, on an annual net basis, the State consumed electricity produced outside the State.
General Notes: Table 4 "Other Renewables" includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. The "Other" category includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. However, Table 5 "Other Renewables" includes only biogenic municipal solid waste, in addition to wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. In Table 5 "Other" includes Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. In Table 7, "Other Renewables" emissions include biogenic municipal solid waste, and other renewable 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.

Table 1. 2006 Summary Statistics

Item	Value	U.S. Rank
North Carolina		
NERC Region(s)		**SERC**
Primary Energy Source		**Coal**
Net Summer Capacity (megawatts)	**27,061**	**12**
Electric Utilities	24,553	5
Independent Power Producers & Combined Heat and Power	2,508	32
Net Generation (megawatthours)	**125,214,784**	**11**
Electric Utilities	117,797,331	4
Independent Power Producers & Combined Heat and Power	7,417,453	33
Emissions (thousand metric tons)		
Sulfur Dioxide	447	7
Nitrogen Oxide	100	13
Carbon Dioxide	73,138	13
Sulfur Dioxide (lbs/MWh)	7.9	11
Nitrogen Oxide (lbs/MWh)	1.8	34
Carbon Dioxide (lbs/MWh)	1,288	29
Total Retail Sales (megawatthours)	**126,698,979**	**9**
Full Service Provider Sales (megawatthours)	126,698,979	7
Direct Use (megawatthours)	**2,350,399**	**15**
Average Retail Price (cents/kWh)	**7.53**	**27**

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capacity, 2006

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
North Carolina			
1. Roxboro	Coal	Progress Energy Carolinas Inc	2,437
2. Belews Creek	Coal	Duke Energy Carolinas, LLC	2,270
3. McGuire	Nuclear	Duke Energy Carolinas, LLC	2,200
4. Marshall	Coal	Duke Energy Carolinas, LLC	2,110
5. Brunswick	Nuclear	Progress Energy Carolinas Inc	1,875
6. Lincoln Combustion	Gas	Duke Energy Carolinas, LLC	1,267
7. Richmond	Gas	Progress Energy Carolinas Inc	1,231
8. G G Allen	Coal	Duke Energy Carolinas, LLC	1,145
9. Rowan	Gas	Southern Power Co	977
10. Harris	Nuclear	Progress Energy Carolinas Inc	900

See footnotes at end of tables.

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2006
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
North Carolina						
1. Duke Energy Carolinas, LLC	Investor-Owned	54,918,715	19,639,855	20,813,639	14,465,190	31
2. Progress Energy Carolinas Inc	Investor-Owned	36,225,024	14,064,992	12,926,194	9,233,838	-
3. Virginia Electric & Power Co	Investor-Owned	4,172,478	1,476,012	921,875	1,774,591	-
4. EnergyUnited Elec Member Corp	Cooperative	2,138,747	1,460,960	526,166	151,621	-
5. Public Works Comm-City of Fayetteville	Public	2,023,641	889,160	827,599	306,882	-
Total Sales, Top Five Providers		99,478,605	37,530,979	36,015,473	25,932,122	31
Percent of Total State Sales		79	71	81	89	100

See footnotes at end of tables.

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatts)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
North Carolina										
Electric Utilities	**20,190**	**20,597**	**23,478**	**23,652**	**23,726**	**23,671**	**23,822**	**24,553**	**94.8**	**90.7**
Coal	12,500	12,440	12,440	12,440	12,440	12,495	12,487	12,439	58.7	46.0
Petroleum	760[R]	1,676[R]	790	836	836	541	540	509	3.6	1.9
Natural Gas	270[R]	314[R]	3,931	4,010	4,010	4,035	4,200	4,975	1.3	18.4
Nuclear	4,698	4,639	4,731	4,731	4,783	4,938	4,938	4,975	22.1	18.4
Hydroelectric	1,894	1,528	1,490	1,538	1,562	1,567	1,562	1,571	8.9	5.8
Other Renewables	-	-	2	2	-	-	-	-	-	-
Pumped Storage	68	-	94	94	94	95	95	84	0.3	0.3
Independent Power Producers and Combined Heat and Power	**1,110**	**1,798**	**2,598**	**3,023**	**3,537**	**3,438**	**3,284**	**2,508**	**5.2**	**9.3**
Coal	614	965	882	828	828	731	709	674	2.9	2.5
Petroleum	6	36	49	50	54	53	53	53	*	0.2
Natural Gas	166	201	1,000	1,465	1,977	1,962	1,797	1,022	0.8	3.8
Hydroelectric	9	363	377	376	376	385	383	383	*	1.4
Other Renewables	277	196	253	266	264	270	305	338	1.3	1.3
Other	37	37	37	37	37	37	37	37	0.2	0.1
Total Electric Industry	**21,300**	**22,394**	**26,076**	**26,674**	**27,263**	**27,110**	**27,107**	**27,061**	**100.0**	**100.0**
Coal	13,114	13,405	13,322	13,268	13,268	13,226	13,196	13,113	61.6	48.5
Petroleum	766[R]	1,712[R]	839	887	891	595	594	563	3.6	2.1
Natural Gas	436[R]	515[R]	4,931	5,475	5,987	5,997	5,997	5,997	2.0	22.2
Nuclear	4,698	4,639	4,731	4,731	4,783	4,938	4,938	4,975	22.1	18.4
Hydroelectric	1,903	1,890	1,867	1,914	1,939	1,951	1,945	1,954	8.9	7.2
Other Renewables	277	196	255	268	264	270	305	338	1.3	1.3
Pumped Storage	68	-	94	94	94	95	95	84	0.3	0.3
Other	37	37	37	37	37	37	37	37	0.2	0.1

See footnotes at end of tables.

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatthours)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
North Carolina										
Electric Utilities	**79,845,217**	**96,109,819**	**109,807,278**	**115,597,653**	**118,433,112**	**118,328,694**	**121,674,733**	**117,797,331**	**94.0**	**94.1**
Coal	46,631,040	55,698,342	68,775,284	71,223,313	70,630,278	71,956,852	74,915,235	72,311,023	54.9	57.7
Petroleum	186,899	234,263	412,765	376,170	459,947	250,402	231,141	219,114	0.2	0.2
Natural Gas	165,362	252,862	999,515	1,935,684	1,257,328	2,019,290	2,573,322	2,476,836	0.2	2.0
Nuclear	25,905,319	35,910,195	37,775,025	39,626,849	40,906,900	40,090,623	39,981,739	39,963,184	30.5	31.9
Hydroelectric	6,776,551	3,846,840	1,844,689	2,410,462	5,059,386	3,933,276	3,826,791	2,695,832	8.0	2.2
Pumped Storage	180,046	167,317	-	25,175	119,273	78,251	146,505	131,342	0.2	0.1
Independent Power Producers and Combined Heat and Power	**5,080,550**	**10,184,837**	**7,688,572**	**8,870,376**	**9,149,208**	**8,001,262**	**8,073,845**	**7,417,453**	**6.0**	**5.9**
Coal	3,190,555	5,786,656	4,182,483	3,964,428	4,145,953	3,590,713	3,535,917	3,206,618	3.8	2.6
Petroleum	141,126	245,355	242,979	215,856	323,748	329,825	253,938	212,005	0.2	0.2
Natural Gas	38,103	518,826	534,840	1,625,186	323,038	524,372	570,054[R]	701,024	*	0.6
Other Gases	-	-	991	863	17	-	-	-	-	-
Hydroelectric	42,876	1,673,970	751,016	1,081,586	2,141,558	1,501,923	1,569,711	1,143,180	0.1	0.9
Other Renewables	1,464,484	1,700,900	1,751,290	1,786,255	1,975,716	1,772,471	1,838,369[R]	1,834,902	1.7	1.5
Other	203,406	259,130	224,973	196,202	239,178	281,958	305,856	319,725	0.2	0.3
Total Electric Industry	**84,925,767**	**106,294,656**	**117,495,850**	**124,468,029**	**127,582,320**	**126,329,956**	**129,748,578**	**125,214,784**	**100.0**	**100.0**
Coal	49,821,595	61,484,998	72,957,767	75,187,741	74,776,231	75,547,565	78,451,152	75,517,641	58.7	60.3
Petroleum	328,025	479,618	655,744	592,026	783,695	580,227	485,079	431,119	0.4	0.3
Natural Gas	203,465	771,688	1,534,355	3,560,870	1,580,366	2,543,662	3,143,376[R]	3,177,860	0.2	2.5
Other Gases	-	-	991	863	17	-	-	-	-	-
Nuclear	25,905,319	35,910,195	37,775,025	39,626,849	40,906,900	40,090,623	39,981,739	39,963,184	30.5	31.9
Hydroelectric	6,819,427	5,520,810	2,595,705	3,492,048	7,200,944	5,435,199	5,396,502	3,839,012	8.0	3.1
Other Renewables	1,464,484	1,700,900	1,751,290	1,786,255	1,975,716	1,772,471	1,838,369[R]	1,834,902	1.7	1.5
Pumped Storage	180,046	167,317	-	25,175	119,273	78,251	146,505	131,342	0.2	0.1
Other	203,406	259,130	224,973	196,202	239,178	281,958	305,856	319,725	0.2	0.3

See footnotes at end of tables.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1990, 1995, and 2001 Through 2006

Fuel, Quality	1990	1995	2001	2002	2003	2004	2005	2006
North Carolina								
Coal (cents per million Btu)	178	163	159	176	178	200	240	269
Average heat value (Btu per pound)	12,544	12,461	12,380	12,422	12,423	12,345	12,309	12,268
Average sulfur Content (percent)	0.96	0.86	0.86	0.85	0.87	0.86	0.88	0.91
Petroleum (cents per million Btu)	512	382	584	467	623	715	W	W
Average heat value (Btu per gallon)	138,229	138,148	145,952	144,098	140,848	141,338	142,869	139,114
Average sulfur Content (percent)	0.24	0.26	0.24	0.98	0.48	0.73	0.76	0.36
Natural Gas (cents per million Btu)	-	233	435	344	560	658	W	W
Average heat value (Btu per cubic foot)	-	1,033	1,020	1,012	1,032	1,036	1,037	1,035

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1990, 1995, and 2001 Through 2006
(Thousand Metric Tons)

Emission Type	1990	1995	2001	2002	2003	2004	2005	2006
North Carolina								
Sulfur Dioxide								
Coal	343	356	430	437	437	443	469	438
Petroleum	5	1	4	3	4	2	2	2
Natural Gas	*	*	*	*	*	*	*	*
Other	16	16	12	9	10	11	11	7
Total	364	373	445	450	450	456	482	447
Nitrogen Oxide								
Coal	197	212	144	144	129	113	103	97
Petroleum	1	1	3	2	3	1	1	1
Natural Gas	1	1	1	2	1	1	1	1
Other	4	4	5	4	4	2	2	2
Total	203	218	152	152	136	116	107	100
Carbon Dioxide								
Coal	47,466	57,437	68,176	69,715	69,766	70,249	73,425	70,627
Petroleum	752	1,185	1,265	1,070	1,259	957	864	812
Natural Gas	220	612	936	1,741	789	1,172	1,478	1,560
Other Renewables	10	42	84	61	82	105	124	139
Total	48,448	59,276	70,461	72,588	71,897	72,483	75,890	73,138

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1990, 1995, and 2001 Through 2006

Sector	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
North Carolina										
Retail Sales (thousand megawatthours)										
Residential	33,144	39,506	46,201	49,854	49,349	51,717	54,073	52,851	36.9	41.7
Commercial	23,835	29,195	37,744	39,277	41,672	42,864	44,161	44,585	26.5	35.2
Industrial	31,265	34,063	32,931	31,381	30,314	31,075	30,101	29,263	34.8	23.1
Other	1,681	1,909	2,151	2,174	NA	NA	NA	NA	1.9	NA
Transportation	NA	NA	NA	NA	NA	NA	*	*	NA	*
All Sectors	89,924	104,673	119,027	122,686	121,335	125,657	128,335	126,699	100.0	100.0
Retail Revenue (million dollars)										
Residential	2,599	3,207	3,750	4,085	4,106	4,369	4,680	4,818	45.3	50.5
Commercial	1,531	1,888	2,423	2,559	2,770	2,871	3,028	3,195	26.7	33.5
Industrial	1,492	1,652	1,518	1,474	1,453	1,516	1,516	1,531	26.0	16.0
Other	118	138	144	146	NA	NA	NA	NA	2.1	NA
Transportation	NA	NA	NA	NA	NA	NA	*	*	NA	*
All Sectors	5,740	6,885	7,835	8,263	8,329	8,756	9,224	9,544	100.0	100.0
Average Retail Prices (cents/KWh)										
Residential	7.84	8.12	8.12	8.19	8.32	8.45	8.65	9.12	NA	NA
Commercial	6.42	6.47	6.42	6.51	6.65	6.70	6.86	7.17	NA	NA
Industrial	4.77	4.85	4.61	4.70	4.79	4.88	5.04	5.23	NA	NA
Other	7.00	7.21	6.68	6.70	NA	NA	NA	NA	NA	NA
Transportation	NA	NA	NA	NA	NA	NA	8.33	3.23	NA	NA
All Sectors	6.38	6.58	6.58	6.74	6.86	6.97	7.19	7.53	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2006

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
North Carolina								
Number of Entities	3	72	1	32	NA	NA	NA	108
Number of Retail Customers	3,107,724	568,554	5	967,909	NA	NA	NA	4,644,192
Retail Sales (thousand megawatthours)	95,316	15,303	6	16,074	NA	NA	NA	126,699
Percentage of Retail Sales	75.23	12.08	*	12.69	NA	NA	NA	100.00
Revenue from Retail Sales (million dollars)	6,607	1,345	*	1,591	NA	NA	NA	9,544
Percentage of Revenue	69.22	14.10	*	16.67	NA	NA	NA	100.00
Average Retail Price (cents/kWh)	6.93	8.79	6.46	9.90	NA	NA	NA	7.53

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 services. 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.

Table 10. Supply and Disposition of Electricity, 1990, 1995, and 2001 Through 2006
(Million Kilowatthours)

Category	1990	1995	2001	2002	2003	2004	2005	2006
North Carolina								
Supply								
Generation								
Electric Utilities	79,845	96,110	109,807	115,598	118,433	118,329	121,675	117,797
Independent Power Producers	104	1,773	810	1,914	1,943	1,699	1,863	1,815
Combined Heat and Power, Electric	2,587	3,965	3,343	3,272	3,575	3,207	3,064	2,854
Electric Power Sector Generation Subtotal	**82,535**	**101,848**	**113,961**	**120,784**	**123,951**	**123,234**	**126,602**	**122,467**
Combined Heat and Power, Commercial	24	141	95	106	102	119	131	101
Combined Heat and Power, Industrial	2,366	4,305	3,440	3,578	3,529	2,977	3,015	2,648
Industrial and Commercial Generation Subtotal	**2,390**	**4,447**	**3,535**	**3,684**	**3,631**	**3,096**	**3,147**	**2,748**
Total Net Generation	**84,926**	**106,295**	**117,496**	**124,468**	**127,582**	**126,330**	**129,749**	**125,215**
Total Supply	**84,926**	**106,295**	**117,496**	**124,468**	**127,582**	**126,330**	**129,749**	**125,215**
Disposition								
Retail Sales								
Full Service Providers	89,924	104,673	119,027	122,686	121,304	125,657	128,335	126,699
Facility Direct Retail Sales	-	-	-	-	31	-	-	-
Total Electric Industry Retail Sales	**89,924**	**104,673**	**119,027**	**122,686**	**121,335**	**125,657**	**128,335**	**126,699**
Direct Use	**3,187**	**4,696**	**3,954**	**4,040**	**4,091**	**4,096**	**2,932**	**2,350**
Estimated Losses	**6,742**	**7,946**	**5,574**	**7,820**	**7,342**	**8,907**	**12,997**	**13,398**
Total Disposition	**99,854**	**117,315**	**128,555**	**134,547**	**132,768**	**138,660**	**144,265**	**142,448**
Net Interstate Trade	**-14,928**	**-11,020**	**-11,059**	**-10,079**	**-5,186**	**-12,330**	**-14,516**	**-17,233**
Net Trade Index (ratio)	**0.85**	**0.91**	**0.91**	**0.93**	**0.96**	**0.91**	**0.90**	**0.88**

R = Revised.
NA = Not applicable; NM = Not meaningful.
W = Withheld to avoid disclosure of individual company data.
- = Data not available.
* = 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 10 Notes: Estimated Losses are reported at the utility level, and then allocated to States based on the utility's retail sales by State. Reported losses may include electricity unaccounted for by the utility. Net Interstate Trade represents the difference between the amount of electricity produced in the State and consumed in the State. Positive values indicate a State that is a net interstate exporter of electricity; negative values indicate a State that is a net interstate importer of electricity. The Net Trade Index represents a State's electricity self-sufficiency. Values greater than 1 indicate that, on an annual net basis, the State supplied electricity consumed outside the State; values less than 1 indicate that, on an annual net basis, the State consumed electricity produced outside the State.
General Notes: Table 4 "Other Renewables" includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. The "Other" category includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. However, Table 5 "Other Renewables" includes only biogenic municipal solid waste, in addition to wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. In Table 5 "Other" includes Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. In Table 7, "Other Renewables" emissions include biogenic municipal solid waste, and other renewable 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.

Table 1. 2006 Summary Statistics

Item	Value	U.S. Rank
North Dakota		
NERC Region(s)		**MRO**
Primary Energy Source		**Coal**
Net Summer Capacity (megawatts)	**4,839**	**41**
Electric Utilities	4,636	35
Independent Power Producers & Combined Heat and Power	203	48
Net Generation (megawatthours)	**30,881,137**	**40**
Electric Utilities	30,328,375	33
Independent Power Producers & Combined Heat and Power	552,762	48
Emissions (thousand metric tons)		
Sulfur Dioxide	119	22
Nitrogen Oxide	68	25
Carbon Dioxide	31,267	30
Sulfur Dioxide (lbs/MWh)	8.5	9
Nitrogen Oxide (lbs/MWh)	4.9	4
Carbon Dioxide (lbs/MWh)	2,232	2
Total Retail Sales (megawatthours)	**11,245,238**	**45**
Full Service Provider Sales (megawatthours)	11,245,238	41
Direct Use (megawatthours)	**195,339**	**40**
Average Retail Price (cents/kWh)	**6.21**	**44**

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capacity, 2006

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
North Dakota			
1. Coal Creek	Coal	Great River Energy	1,116
2. Antelope Valley	Coal	Basin Electric Power Coop	900
3. Milton R Young	Coal	Minnkota Power Coop, Inc	705
4. Leland Olds	Coal	Basin Electric Power Coop	669
5. Garrison	Hydroelectric	USCE-Missouri River District	443
6. Coyote	Coal	Otter Tail Power Co	427
7. Stanton	Coal	Great River Energy	188
8. R M Heskett	Coal	MDU Resources Group Inc	103
9. FPL Energy North Dakota Wind I/II	Other Renewables	FPL Energy North Dakota Wind LLC	62
10. FPL Energy Oliver Wind I LLC	Other Renewables	FPL Energy Oliver County Wind	51

See footnotes at end of tables.

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2006
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
North Dakota						
1. Northern States Power Co	Investor-Owned	2,149,476	733,006	1,056,340	360,130	-
2. Otter Tail Power Co	Investor-Owned	1,539,462	536,172	942,983	60,307	-
3. MDU Resources Group Inc	Investor-Owned	1,446,938	547,535	757,469	141,934	-
4. Basin Electric Power Coop	Cooperative	958,453	-	-	958,453	-
5. Cass County Electric Coop Inc	Cooperative	805,191	443,491	301,928	59,772	-
Total Sales, Top Five Providers		6,899,520	2,260,204	3,058,720	1,580,596	-
Percent of Total State Sales		61	59	74	48	-

See footnotes at end of tables.

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatts)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
North Dakota										
Electric Utilities	**4,525**	**4,485**	**4,677**	**4,659**	**4,562**	**4,673**	**4,625**	**4,636**	**99.4**	**95.8**
Coal	3,876	3,862	4,107	4,084	4,107	4,105	4,106	4,106	85.1	84.9
Petroleum	94	69	64	69	72	71	75	75	2.1	1.6
Natural Gas	10	10	10	10	10	10	10	10	0.2	0.2
Hydroelectric	545	545	497	497	371	485	432	443	12.0	9.2
Other Renewables	-	-	-	-	3	3	3	3	-	0.1
Independent Power Producers and Combined Heat and Power	**29**	**35**	**40**	**40**	**101**	**101**	**133**	**203**	**0.6**	**4.2**
Coal	18	18	21	21	21	21	21	21	0.4	0.4
Petroleum	-	-	-	-	-	-	-	2	-	*
Natural Gas	11	-	-	-	-	-	-	-	0.2	-
Other Gases	-	7	8	8	8	8	8	8	-	0.2
Other Renewables	-	9	10	10	72	71	103	171	-	3.5
Total Electric Industry	**4,553**	**4,520**	**4,717**	**4,699**	**4,663**	**4,774**	**4,758**	**4,839**	**100.0**	**100.0**
Coal	3,894	3,880	4,128	4,105	4,129	4,126	4,127	4,127	85.5	85.3
Petroleum	94	69	64	69	72	71	75	77	2.1	1.6
Natural Gas	21	10	10	10	10	10	10	10	0.5	0.2
Other Gases	-	7	8	8	8	8	8	8	-	0.2
Hydroelectric	545	545	497	497	371	485	432	443	12.0	9.2
Other Renewables	-	9	10	10	74	74	105	174	-	3.6

See footnotes at end of tables.

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatthours)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
North Dakota										
Electric Utilities	**26,824,491**	**28,842,021**	**30,135,733**	**31,147,221**	**31,075,012**	**29,526,814**	**31,512,768**	**30,328,375**	**99.4**	**98.2**
Coal	25,092,696	26,336,456	28,769,721	29,518,865	29,298,347	27,938,264	30,133,242	28,761,820	93.0	93.1
Petroleum	20,682	49,107	33,850	35,728	45,648	36,565	32,480	39,269	0.1	0.1
Natural Gas	-35	-943	86	12	-47	265	-29	49	*	*
Hydroelectric	1,711,148	2,457,401	1,332,076	1,592,616	1,723,904	1,545,864	1,341,824	1,521,034	6.3	4.9
Other Renewables	-	-	-	-	7,160	5,856	5,251	6,203	-	*
Independent Power Producers and Combined Heat and Power	**168,770**	**162,226**	**196,339**	**159,091**	**247,117**	**409,292**	**419,847**	**552,762**	**0.6**	**1.8**
Coal	96,307	87,415	107,454	92,659	128,964	125,960	125,517	117,171	0.4	0.4
Petroleum	20,865	8,584	14,036	2,848	6,244	1,912	1,727	3,460	0.1	*
Natural Gas	51,598	595	2,450	8,030	9,493	6,485	9,126	8,215	0.2	*
Other Gases	-	43,673	64,734	55,144	50,096	60,665	58,394	57,090	-	0.2
Other Renewables	-	21,959	7,665	410	52,320	214,270	225,083	366,826	-	1.2
Total Electric Industry	**26,993,261**	**29,004,247**	**30,332,072**	**31,306,312**	**31,322,129**	**29,936,106**	**31,932,615**	**30,881,137**	**100.0**	**100.0**
Coal	25,189,003	26,423,871	28,877,175	29,611,524	29,427,311	28,064,224	30,258,759	28,878,991	93.3	93.5
Petroleum	41,547	57,691	47,886	38,576	51,892	38,477	34,207	42,729	0.2	0.1
Natural Gas	51,563	-348	2,536	8,042	9,446	6,750	9,097	8,264	0.2	*
Other Gases	-	43,673	64,734	55,144	50,096	60,665	58,394	57,090	-	0.2
Hydroelectric	1,711,148	2,457,401	1,332,076	1,592,616	1,723,904	1,545,864	1,341,824	1,521,034	6.3	4.9
Other Renewables	-	21,959	7,665	410	59,480	220,126	230,334	373,029	-	1.2

See footnotes at end of tables.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1990, 1995, and 2001 Through 2006

Fuel, Quality	1990	1995	2001	2002	2003	2004	2005	2006
North Dakota								
Coal (cents per million Btu)	69	73	74	74	74	77	82	88
Average heat value (Btu per pound)	6,636	6,585	6,560	6,564	6,549	6,602	6,686	6,651
Average sulfur Content (percent)	0.81	0.74	0.73	0.72	0.69	0.70	0.69	0.71
Petroleum (cents per million Btu)	499	418	639	573	676	863	1,244	1,486
Average heat value (Btu per gallon)	139,276	139,176	141,905	138,955	138,995	138,410	139,014	138,976
Average sulfur Content (percent)	0.69	0.38	0.36	0.37	0.37	0.36	0.37	0.37
Natural Gas (cents per million Btu)	386	349	687	248	744	778	954	1,013
Average heat value (Btu per cubic foot)	1,038	1,066	1,030	1,023	1,030	1,034	1,073	1,079

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1990, 1995, and 2001 Through 2006
(Thousand Metric Tons)

Emission Type	1990	1995	2001	2002	2003	2004	2005	2006
North Dakota								
Sulfur Dioxide								
Coal	133	123	142	128	128	137	125	119
Petroleum	1	*	*	*	*	*	*	*
Natural Gas	*	-	-	-	-	-	-	-
Other	-	-	*	*	*	*	*	*
Total	133	124	142	129	128	137	126	119
Nitrogen Oxide								
Coal	68	65	73	69	70	72	70	68
Petroleum	*	*	*	*	*	*	*	*
Natural Gas	*	*	-	*	*	*	*	*
Other	-	-	*	1	*	*	*	*
Total	69	65	73	70	71	73	70	68
Carbon Dioxide								
Coal	28,020	29,264	31,729	32,087	31,669	30,322	32,775	31,203
Petroleum	111	80	75	43	63	39	37	45
Natural Gas	113	2	6	27	23	29	22	18
Total	28,244	29,345	31,810	32,156	31,754	30,390	32,833	31,267

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1990, 1995, and 2001 Through 2006

Sector	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
North Dakota										
Retail Sales (thousand megawatthours)										
Residential	2,954	3,384	3,480	3,664	3,707	3,663	3,796	3,853	42.1	34.3
Commercial	1,795	2,237	3,071	3,404	3,800	3,843	3,994	4,127	25.6	36.7
Industrial	1,760	1,771	2,753	2,636	2,954	3,010	3,050	3,266	25.1	29.0
Other	506	490	506	516	NA	NA	NA	NA	7.2	NA
All Sectors	7,014	7,883	9,810	10,219	10,461	10,516	10,840	11,245	100.0	100.0
Retail Revenue (million dollars)										
Residential	185	211	225	234	241	249	265	275	45.8	39.4
Commercial	116	139	184	199	214	225	244	260	28.7	37.2
Industrial	84	80	110	105	117	124	132	163	20.9	23.4
Other	18	21	19	19	NA	NA	NA	NA	4.6	NA
All Sectors	403	450	538	557	572	599	641	698	100.0	100.0
Average Retail Prices (cents/KWh)										
Residential	6.26	6.23	6.47	6.39	6.49	6.79	6.99	7.14	NA	NA
Commercial	6.45	6.20	5.99	5.85	5.64	5.86	6.11	6.30	NA	NA
Industrial	4.79	4.50	3.98	3.98	3.96	4.13	4.32	5.00	NA	NA
Other	3.66	4.21	3.79	3.68	NA	NA	NA	NA	NA	NA
All Sectors	5.75	5.71	5.48	5.45	5.47	5.69	5.92	6.21	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2006

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
North Dakota								
Number of Entities	3	12	1	23	NA	NA	NA	39
Number of Retail Customers	213,520	10,884	28	141,605	NA	NA	NA	366,037
Retail Sales (thousand megawatthours)	5,136	271	203	5,635	NA	NA	NA	11,245
Percentage of Retail Sales	45.67	2.41	1.81	50.11	NA	NA	NA	100.00
Revenue from Retail Sales (million dollars)	341	15	4	339	NA	NA	NA	698
Percentage of Revenue	48.84	2.10	0.52	48.55	NA	NA	NA	100.00
Average Retail Price (cents/kWh)	6.64	5.41	1.78	6.01	NA	NA	NA	6.21

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 services. 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.

Table 10. Supply and Disposition of Electricity, 1990, 1995, and 2001 Through 2006
(Million Kilowatthours)

Category	1990	1995	2001	2002	2003	2004	2005	2006
North Dakota								
Supply								
Generation								
Electric Utilities	26,824	28,842	30,136	31,147	31,075	29,527	31,513	30,328
Independent Power Producers	-	-	-	-	52	209	215	363
Electric Power Sector Generation Subtotal	**26,824**	**28,842**	**30,136**	**31,147**	**31,127**	**29,735**	**31,728**	**30,692**
Combined Heat and Power, Industrial	169	162	196	159	195	201	205	189
Industrial and Commercial Generation Subtotal	**169**	**162**	**196**	**159**	**195**	**201**	**205**	**189**
Total Net Generation	**26,993**	**29,004**	**30,332**	**31,306**	**31,322**	**29,936**	**31,933**	**30,881**
Total International Imports	**250**	**785**	**1,510**	**1,414**	**1,251**	**1,513**	**2,151**	**2,016**
Total Supply	**27,243**	**29,790**	**31,842**	**32,720**	**32,573**	**31,449**	**34,084**	**32,897**
Disposition								
Retail Sales								
Full Service Providers	7,014	7,883	9,810	10,219	10,461	10,516	10,840	11,245
Total Electric Industry Retail Sales	**7,014**	**7,883**	**9,810**	**10,219**	**10,461**	**10,516**	**10,840**	**11,245**
Direct Use	**154**	**162**	**161**	**164**	**167**	**167**	**212**	**195**
Total International Exports	**230**	**124**	**940**	**1,238**	**1,664**	**1,409**	**457**	**1,252**
Estimated Losses	**526**	**598**	**1,404**	**1,996**	**2,137**	**2,132**	**1,580**	**1,567**
Total Disposition	**7,924**	**8,767**	**12,315**	**13,618**	**14,429**	**14,223**	**13,090**	**14,260**
Net Interstate Trade	**19,320**	**21,023**	**19,528**	**19,102**	**18,144**	**17,226**	**20,994**	**18,637**
Net Trade Index (ratio)	**3.44**	**3.40**	**2.59**	**2.40**	**2.26**	**2.21**	**2.60**	**2.31**

R = Revised.
NA = Not applicable; NM = Not meaningful.
W = Withheld to avoid disclosure of individual company data.
- = Data not available.
* = 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 10 Notes: Estimated Losses are reported at the utility level, and then allocated to States based on the utility's retail sales by State. Reported losses may include electricity unaccounted for by the utility. Net Interstate Trade represents the difference between the amount of electricity produced in the State and consumed in the State. Positive values indicate a State that is a net interstate exporter of electricity; negative values indicate a State that is a net interstate importer of electricity. The Net Trade Index represents a State's electricity self-sufficiency. Values greater than 1 indicate that, on an annual net basis, the State supplied electricity consumed outside the State; values less than 1 indicate that, on an annual net basis, the State consumed electricity produced outside the State.
General Notes: Table 4 "Other Renewables" includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. The "Other" category includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. However, Table 5 "Other Renewables" includes only biogenic municipal solid waste, in addition to wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. In Table 5 "Other" includes Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. In Table 7, "Other Renewables" emissions include biogenic municipal solid waste, and other renewable 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.

Table 1. 2006 Summary Statistics

Item	Value	U.S. Rank
Ohio		
NERC Region(s)		**RFC**
Primary Energy Source		**Coal**
Net Summer Capacity (megawatts)	**33,877**	**8**
Electric Utilities	20,147	11
Independent Power Producers & Combined Heat and Power	13,731	7
Net Generation (megawatthours)	**155,434,075**	**6**
Electric Utilities	98,159,139	7
Independent Power Producers & Combined Heat and Power	57,274,936	7
Emissions (thousand metric tons)		
Sulfur Dioxide	970	1
Nitrogen Oxide	224	2
Carbon Dioxide	129,010	2
Sulfur Dioxide (lbs/MWh)	13.8	1
Nitrogen Oxide (lbs/MWh)	3.2	16
Carbon Dioxide (lbs/MWh)	1,830	11
Total Retail Sales (megawatthours)	**153,428,844**	**4**
Full Service Provider Sales (megawatthours)	140,258,856	4
Deregulated Sales (megawatthours)	13,169,988	7
Direct Use (megawatthours)	**1,296,078**	**26**
Average Retail Price (cents/kWh)	**7.71**	**24**

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capacity, 2006

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
Ohio			
1. General James M Gavin	Coal	Ohio Power Co	2,610
2. J M Stuart	Coal	Dayton Power & Light Co	2,397
3. W H Sammis	Coal	FirstEnergy Generation Corp	2,233
4. Cardinal	Coal	Cardinal Operating Co	1,815
5. Conesville	Coal	Columbus Southern Power Co	1,695
6. Muskingum River	Coal	Ohio Power Co	1,375
7. Walter C Beckjord	Coal	Duke Energy Ohio Inc	1,304
8. W H Zimmer	Coal	Duke Energy Ohio Inc	1,300
9. Miami Fort	Coal	Duke Energy Ohio Inc	1,300
10. Hanging Rock Energy Facility	Gas	Duke Energy Ohio Inc	1,288

See footnotes at end of tables.

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2006
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
Ohio						
1. Ohio Power Co	Investor-Owned	25,262,084	7,207,804	5,733,217	12,321,063	-
2. Ohio Edison Co	Investor-Owned	20,273,176	7,349,003	5,331,132	7,593,041	-
3. Duke Energy Ohio Inc	Investor-Owned	20,219,900	7,049,188	7,370,420	5,800,292	-
4. Columbus Southern Power Co	Investor-Owned	19,374,356	7,270,635	8,287,092	3,816,629	-
5. Cleveland Electric Illum Co	Investor-Owned	16,936,804	4,985,554	4,104,349	7,809,656	37,245
Total Sales, Top Five Providers		102,066,320	33,862,184	30,826,210	37,340,681	37,245
Percent of Total State Sales		67	66	67	67	85

See footnotes at end of tables.

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatts)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Ohio										
Electric Utilities	**26,996**	**27,365**	**27,081**	**27,885**	**27,694**	**27,684**	**19,312[R]**	**20,147**	**98.8**	**59.5**
Coal	23,086	23,123	21,675	21,599	21,258	21,366	16,272[R]	16,296	84.5	48.1
Petroleum	1,151[R]	853[R]	1,381	1,000	1,017	1,008	588[R]	588	4.2	1.7
Natural Gas	501[R]	1,140[R]	1,661	2,921	3,056	3,074	2,346[R]	3,156	1.8	9.3
Nuclear	2,043	2,042	2,111	2,111	2,108	2,108	-	-	7.5	-
Hydroelectric	125	117	163	164	162	122	101	101	0.5	0.3
Other Renewables	90	90	90	90	94	7	7	7	0.3	*
Independent Power Producers and Combined Heat and Power	**328**	**328**	**2,472**	**3,592**	**6,366**	**6,366**	**14,558[R]**	**13,731**	**1.2**	**40.5**
Coal	193	197	1,099	1,099	1,094	1,047	6,042[R]	5,969	0.7	17.6
Petroleum	-	6	49	49	49	49	469[R]	469	-	1.4
Natural Gas	41	20	1,223	2,345	5,124	5,113	5,812[R]	5,006	0.2	14.8
Other Gases	63	73	84	81	81	100	100	100	0.2	0.3
Nuclear	-	-	-	-	-	-	2,108	2,120	-	6.3
Hydroelectric	2	3	-	-	-	-	-	-	*	-
Other Renewables	29	29	17	17	17	57	27	67	0.1	0.2
Total Electric Industry	**27,324**	**27,693**	**29,553**	**31,477**	**34,060**	**34,050**	**33,870**	**33,877**	**100.0**	**100.0**
Coal	23,279	23,320	22,774	22,698	22,352	22,412	22,313	22,264	85.2	65.7
Petroleum	1,151[R]	859[R]	1,430	1,049	1,066	1,057	1,057	1,057	4.2	3.1
Natural Gas	542[R]	1,159[R]	2,884	5,266	8,180	8,187	8,157	8,161	2.0	24.1
Other Gases	63	73	84	81	81	100	100	100	0.2	0.3
Nuclear	2,043	2,042	2,111	2,111	2,108	2,108	2,108	2,120	7.5	6.3
Hydroelectric	127	120	163	164	162	122	101	101	0.5	0.3
Other Renewables	119	119	107	107	111	65	35	75	0.4	0.2

See footnotes at end of tables.

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatthours)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Ohio										
Electric Utilities	**126,509,829**	**137,860,132**	**135,484,174**	**139,904,106**	**139,086,083**	**142,305,499**	**102,750,838[R]**	**98,159,139**	**98.9**	**63.2**
Coal	115,014,081	120,043,024	118,766,821	127,373,404	129,255,272	124,004,082	101,302,047[R]	96,674,346	89.9	62.2
Petroleum	301,244	298,119	406,434	380,710	387,257	1,354,023	253,906[R]	245,951	0.2	0.2
Natural Gas	91,191	523,480	336,372	796,761	456,255	266,954	665,873[R]	592,505	0.1	0.4
Nuclear	10,663,897	16,768,050	15,463,762	10,864,902	8,475,016	15,950,121	-[R]	-	8.3	-
Hydroelectric	172,582	227,459	510,785	488,329	510,835	729,876	515,744	631,936	0.1	0.4
Other Renewables	266,834	-	-	-	1,448	443	13,268	14,401	0.2	*
Independent Power Producers and Combined Heat and Power	**1,470,698**	**1,483,770**	**6,777,633**	**7,164,743**	**7,552,045**	**6,040,406**	**54,225,485[R]**	**57,274,936**	**1.1**	**36.8**
Coal	818,569	586,404	5,446,415	5,579,661	5,513,865	4,212,989	35,572,504[R]	36,787,206	0.6	23.7
Petroleum	73,237	31,945	10,264	8,409	22,897	34,859	1,136,743[R]	1,109,449	0.1	0.7
Natural Gas	150,394	201,341	588,044	969,893	1,337,328	1,119,303	2,028,356[R]	1,784,684	0.1	1.1
Other Gases	64,159	139,069	301,949	206,565	212,523	302,628	297,392	360,009	0.1	0.2
Nuclear	-	-	-	-	-	-	14,802,733[R]	16,846,939	-	10.8
Hydroelectric	8,813	4,762	-	-	-	-	-	-	*	-
Other Renewables	355,526	520,249	430,961	151,311	439,269	370,617	385,819[R]	384,494	0.3	0.2
Other	-	-	-	248,904	26,163	8	1,937	2,155	-	*
Total Electric Industry	**127,980,527**	**139,343,902**	**142,261,807**	**147,068,849**	**146,638,128**	**148,345,905**	**156,976,323**	**155,434,075**	**100.0**	**100.0**
Coal	115,832,650	120,629,428	124,213,236	132,953,065	134,769,137	128,217,071	136,874,551	133,461,552	90.5	85.9
Petroleum	374,481	330,064	416,698	389,119	410,154	1,388,882	1,390,649	1,355,400	0.3	0.9
Natural Gas	241,585	724,821	924,416	1,766,654	1,793,583	1,386,257	2,694,229	2,377,189	0.2	1.5
Other Gases	64,159	139,069	301,949	206,565	212,523	302,628	297,392	360,009	0.1	0.2
Nuclear	10,663,897	16,768,050	15,463,762	10,864,902	8,475,016	15,950,121	14,802,733	16,846,939	8.3	10.8
Hydroelectric	181,395	232,221	510,785	488,329	510,835	729,876	515,744	631,936	0.1	0.4
Other Renewables	622,360	520,249	430,961	151,311	440,717	371,060	399,087[R]	398,895	0.5	0.3
Other	-	-	-	248,904	26,163	8	1,937	2,155	-	*

See footnotes at end of tables.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1990, 1995, and 2001 Through 2006

Fuel, Quality	1990	1995	2001	2002	2003	2004	2005	2006
Ohio								
Coal (cents per million Btu)	152	142	131	W	121	133	154	170
Average heat value (Btu per pound)	11,882	12,122	11,550	12,143	12,160	12,098	12,097	11,525
Average sulfur Content (percent)	2.44	1.89	2.07	1.98	2.14	2.25	2.16	1.68
Petroleum (cents per million Btu)	459	349	601	W	731	W	1,291	1,224
Average heat value (Btu per gallon)	142,917	128,733	142,143	125,426	137,810	137,986	138,193	138,150
Average sulfur Content (percent)	0.48	0.76	0.23	0.13	0.23	0.19	0.09	0.07
Natural Gas (cents per million Btu)	255	228	797	375	598	648	924	771
Average heat value (Btu per cubic foot)	1,008	1,027	1,010	1,028	1,037	1,034	1,030	1,033

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1990, 1995, and 2001 Through 2006
(Thousand Metric Tons)

Emission Type	1990	1995	2001	2002	2003	2004	2005	2006
Ohio								
Sulfur Dioxide								
Coal	2,008	1,108	1,081	1,082	1,135	1,044	1,050	941
Petroleum	4	3	10	11	4	4	5	27
Natural Gas	-	*	*	*	*	*	*	*
Other	2	7	2	2	2	2	2	2
Total	2,014	1,118	1,093	1,096	1,141	1,050	1,057	970
Nitrogen Oxide								
Coal	500	474	309	340	326	247	234	220
Petroleum	1	1	4	4	2	1	1	1
Natural Gas	1	1	1	1	1	2	1	1
Other	2	1	2	2	2	2	1	1
Total	503	478	316	347	331	251	238	224
Carbon Dioxide								
Coal	108,326	113,590	116,704	121,296	125,944	120,669	128,847	125,454
Petroleum	733	787	424	308	410	1,416	1,372	2,198
Natural Gas	290	695	1,163	1,364	1,224	1,181	1,603	1,351
Other Renewables	9	7	-	-	-	14	9	8
Total	109,359	115,078	118,291	122,968	127,577	123,281	131,831	129,010

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1990, 1995, and 2001 Through 2006

Sector	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Ohio										
Retail Sales (thousand megawatthours)										
Residential	37,889	44,010	47,346	50,864	49,621	50,300	53,904	51,375	26.6	33.5
Commercial	30,541	35,549	39,372	39,924	44,737	45,313	46,870	46,141	21.4	30.1
Industrial	69,682	74,473	65,099	58,472	57,828	58,558	59,354	55,869	48.9	36.4
Other	4,354	4,592	3,981	4,148	NA	NA	NA	NA	3.1	NA
Transportation	NA	NA	NA	NA	5	49	48	44	NA	*
All Sectors	142,465	158,626	155,798	153,407	152,189	154,221	160,176	153,429	100.0	100.0
Retail Revenue (million dollars)										
Residential	3,049	3,784	3,963	4,193	4,100	4,251	4,586	4,801	36.3	40.6
Commercial	2,269	2,731	3,333	3,119	3,377	3,510	3,716	3,893	27.0	32.9
Industrial	2,808	3,104	2,780	2,845	2,768	2,864	3,029	3,133	33.5	26.5
Other	267	287	233	225	NA	NA	NA	NA	3.2	NA
Transportation	NA	NA	NA	NA	*	5	4	4	NA	*
All Sectors	8,393	9,906	10,309	10,383	10,246	10,629	11,336	11,831	100.0	100.0
Average Retail Prices (cents/KWh)										
Residential	8.05	8.60	8.37	8.24	8.26	8.45	8.51	9.34	NA	NA
Commercial	7.43	7.68	8.46	7.81	7.55	7.75	7.93	8.44	NA	NA
Industrial	4.03	4.17	4.27	4.87	4.79	4.89	5.10	5.61	NA	NA
Other	6.14	6.26	5.86	5.42	NA	NA	NA	NA	NA	NA
Transportation	NA	NA	NA	NA	6.17	9.21	9.03	10.13	NA	NA
All Sectors	5.89	6.24	6.62	6.77	6.73	6.89	7.08	7.71	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2006

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Ohio								
Number of Entities	8	85	NA	25	NA	8	6	132
Number of Retail Customers	4,452,882	378,714	NA	374,639	NA	312,498	NA	5,518,733
Retail Sales (thousand megawatthours)	122,884	9,879	NA	7,496	NA	13,170	NA	153,429
Percentage of Retail Sales	80.09	6.44	NA	4.89	NA	8.58	NA	100.00
Revenue from Retail Sales (million dollars)	9,382	802	NA	583	NA	591	474	11,831
Percentage of Revenue	79.30	6.78	NA	4.93	NA	5.00	4.00	100.00
Average Retail Price (cents/kWh)	7.63	8.12	NA	7.77	NA	4.49	3.60	7.71

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 services. 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.

Table 10. Supply and Disposition of Electricity, 1990, 1995, and 2001 Through 2006
(Million Kilowatthours)

Category	1990	1995	2001	2002	2003	2004	2005	2006
Ohio								
Supply								
Generation								
Electric Utilities	126,510	137,860	135,484	139,904	139,086	142,305	102,751	98,159
Independent Power Producers	9	5	5,242	6,421	6,124	4,699	52,817	55,836
Combined Heat and Power, Electric	32	20	268	302	382	319	328	322
Electric Power Sector Generation Subtotal	**126,551**	**137,885**	**140,995**	**146,627**	**145,591**	**147,324**	**155,896**	**154,317**
Combined Heat and Power, Commercial	87	34	20	7	6	*	*	-
Combined Heat and Power, Industrial	1,343	1,425	1,247	434	1,041	1,022	1,080	1,117
Industrial and Commercial Generation Subtotal	**1,430**	**1,459**	**1,267**	**442**	**1,047**	**1,022**	**1,080**	**1,117**
Total Net Generation	**127,981**	**139,344**	**142,262**	**147,069**	**146,638**	**148,346**	**156,976**	**155,434**
Total International Imports	**-**	**-**	**-**	*****	**2**	**3**	**49**	**844**
Total Supply	**127,981**	**139,344**	**142,262**	**147,069**	**146,640**	**148,349**	**157,025**	**156,278**
Disposition								
Retail Sales								
Full Service Providers	142,465	158,626	144,438	132,971	127,119	126,207	133,461	140,259
Energy-Only Providers	-	-	11,360	20,436	24,940	27,882	26,716	13,170
Facility Direct Retail Sales	-	-	-	-	130	132	-	-
Total Electric Industry Retail Sales	**142,465**	**158,626**	**155,798**	**153,407**	**152,189**	**154,221**	**160,176**	**153,429**
Direct Use	**1,430**	**1,465**	**1,436**	**1,468**	**1,486**	**1,488**	**1,265**	**1,296**
Total International Exports	**-**	**-**	**-**	**4**	**14**	**68**	**397**	**225**
Estimated Losses	**10,682**	**12,042**	**8,469**	**9,788**	**8,984**	**12,719**	**10,529**	**11,075**
Total Disposition	**154,577**	**172,132**	**165,704**	**164,667**	**162,674**	**168,496**	**172,367**	**166,025**
Net Interstate Trade	**-26,596**	**-32,789**	**-23,442**	**-17,598**	**-16,033**	**-20,147**	**-15,342**	**-9,746**
Net Trade Index (ratio)	**0.83**	**0.81**	**0.86**	**0.89**	**0.90**	**0.88**	**0.91**	**0.94**

R = Revised.
NA = Not applicable; NM = Not meaningful.
W = Withheld to avoid disclosure of individual company data.
- = Data not available.
* = 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 10 Notes: Estimated Losses are reported at the utility level, and then allocated to States based on the utility's retail sales by State. Reported losses may include electricity unaccounted for by the utility. Net Interstate Trade represents the difference between the amount of electricity produced in the State and consumed in the State. Positive values indicate a State that is a net interstate exporter of electricity; negative values indicate a State that is a net interstate importer of electricity. The Net Trade Index represents a State's electricity self-sufficiency. Values greater than 1 indicate that, on an annual net basis, the State supplied electricity consumed outside the State; values less than 1 indicate that, on an annual net basis, the State consumed electricity produced outside the State.
General Notes: Table 4 "Other Renewables" includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. The "Other" category includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. However, Table 5 "Other Renewables" includes only biogenic municipal solid waste, in addition to wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. In Table 5 "Other" includes Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. In Table 7, "Other Renewables" emissions include biogenic municipal solid waste, and other renewable 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.

Table 1. 2006 Summary Statistics

Item	Value	U.S. Rank
Oklahoma		
NERC Region(s)		**SPP**
Primary Energy Source		**Coal**
Net Summer Capacity (megawatts)	**20,085**	**20**
Electric Utilities	14,648	18
Independent Power Producers & Combined Heat and Power	5,437	18
Net Generation (megawatthours)	**70,614,880**	**22**
Electric Utilities	51,917,155	18
Independent Power Producers & Combined Heat and Power	18,697,725	16
Emissions (thousand metric tons)		
Sulfur Dioxide	110	23
Nitrogen Oxide	84	18
Carbon Dioxide	52,242	18
Sulfur Dioxide (lbs/MWh)	3.4	30
Nitrogen Oxide (lbs/MWh)	2.6	22
Carbon Dioxide (lbs/MWh)	1,631	17
Total Retail Sales (megawatthours)	**54,905,314**	**26**
Full Service Provider Sales (megawatthours)	54,905,314	24
Direct Use (megawatthours)	**986,758**	**28**
Average Retail Price (cents/kWh)	**7.30**	**29**

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capacity, 2006

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
Oklahoma			
1. Northeastern	Coal	Public Service Co of Oklahoma	1,799
2. Muskogee	Coal	Oklahoma Gas & Electric Co	1,713
3. Seminole	Gas	Oklahoma Gas & Electric Co	1,542
4. Kiamichi Energy Facility	Gas	Kiowa Power Partners LLC	1,178
5. Redbud Power Plant	Gas	InterGen North America	1,144
6. Oneta Energy Center	Gas	Calpine Central L P	1,082
7. Sooner	Coal	Oklahoma Gas & Electric Co	1,066
8. GRDA	Coal	Grand River Dam Authority	1,010
9. Riverside	Gas	Public Service Co of Oklahoma	910
10. Horseshoe Lake	Gas	Oklahoma Gas & Electric Co	881

See footnotes at end of tables.

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2006
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
Oklahoma						
1. Oklahoma Gas & Electric Co	Investor-Owned	22,102,266	8,010,314	8,200,163	5,891,789	-
2. Public Service Co of Oklahoma	Investor-Owned	17,845,471	6,021,196	6,167,146	5,657,129	-
3. Oklahoma Electric Coop Inc	Cooperative	940,285	661,816	197,713	80,756	-
4. City of Edmond	Public	791,815	453,254	324,668	13,893	-
5. Grand River Dam Authority	Public	649,851	-	3,302	646,549	-
Total Sales, Top Five Providers		42,329,688	15,146,580	14,892,992	12,290,116	-
Percent of Total State Sales		77	70	82	82	-

See footnotes at end of tables.

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatts)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Oklahoma										
Electric Utilities	**12,769**	**12,928**	**13,436**	**13,387**	**13,463**	**13,550**	**13,992[R]**	**14,648**	**94.2**	**72.9**
Coal	4,850	4,831	4,856	4,896	4,941	4,949	4,964	4,981	35.8	24.8
Petroleum	58[R]	58[R]	60	60	62	68	68	72	0.4	0.4
Natural Gas	6,858[R]	6,952[R]	7,410	7,314	7,340	7,427	7,899[R]	8,364	50.6	41.6
Other Gases	-	52	57	61	61	58	-	-	-	-
Hydroelectric	744	776	793	796	800	788	800	851	5.5	4.2
Other Renewables	-	-	-	-	-	-	-	120	-	0.6
Pumped Storage	260	260	260	260	260	260	260	260	1.9	1.3
Independent Power Producers and Combined Heat and Power	**788**	**781**	**1,505**	**2,845**	**4,776**	**5,847**	**5,782[R]**	**5,437**	**5.8**	**27.1**
Coal	434	434	391	391	391	391	391	391	3.2	1.9
Petroleum	-	-	2	2	2	2	2	2	-	*
Natural Gas	259	254	1,020	2,360	4,111	5,182	4,836[R]	4,491	1.9	22.4
Other Gases	19	17	17	17	17	17	-	-	0.1	-
Other Renewables	76	76	75	76	255	255	553	553	0.6	2.8
Total Electric Industry	**13,557**	**13,709**	**14,941**	**16,232**	**18,238**	**19,397**	**19,773**	**20,085**	**100.0**	**100.0**
Coal	5,284	5,265	5,247	5,287	5,332	5,340	5,355	5,372	39.0	26.7
Petroleum	58[R]	58[R]	62	62	64	70	71	75	0.4	0.4
Natural Gas	7,117[R]	7,206[R]	8,430	9,673	11,451	12,609	12,735	12,854	52.5	64.0
Other Gases	19	69	74	78	78	75	-	-	0.1	-
Hydroelectric	744	776	793	796	800	788	800	851	5.5	4.2
Other Renewables	76	76	75	76	255	255	553	673	0.6	3.3
Pumped Storage	260	260	260	260	260	260	260	260	1.9	1.3

See footnotes at end of tables.

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatthours)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Oklahoma										
Electric Utilities	**45,063,182**	**47,955,288**	**50,413,729**	**51,218,320**	**49,776,514**	**48,298,390**	**54,250,814**	**51,917,155**	**95.7**	**73.5**
Coal	25,188,557	29,714,368	32,164,601	33,444,114	34,200,128	31,240,478	33,604,628	32,324,391	53.5	45.8
Petroleum	49,422	77,528	146,375	10,311	111,555	21,008	13,181	24,187	0.1	*
Natural Gas	17,074,845	15,448,135	15,886,542	15,953,919	13,872,606	14,294,108	18,156,469	19,058,314	36.3	27.0
Hydroelectric	2,730,594	2,779,920	2,344,690	1,987,844	1,798,412	2,976,676	2,630,361	623,579	5.8	0.9
Other Renewables	-	-	-	-	-	-	-	3,157	-	*
Pumped Storage	19,764	-64,663	-128,479	-177,868	-206,187	-233,879	-153,825	-116,473	*	-0.2
Independent Power Producers and Combined Heat and Power	**2,015,949**	**4,712,079**	**4,835,721**	**7,965,099**	**10,850,342**	**12,431,170**	**14,357,013**	**18,697,725**	**4.3**	**26.5**
Coal	466,790	3,070,694	2,451,167	2,520,664	2,476,198	2,561,898	2,744,805	2,751,575	1.0	3.9
Petroleum	27,525	21,157	28,800	39,560	49,655	47,189	57,152	39,936	0.1	0.1
Natural Gas	1,161,921	1,267,372	2,057,266	5,095,120	7,950,090	8,991,125	10,392,914[R]	13,874,863	2.5	19.6
Other Gases	88,970	65,000	67,792	70,710	45,408	-	18,838	16,143	0.2	*
Other Renewables	270,743	287,856	230,696	239,045	321,593	822,092	1,136,990	2,009,764	0.6	2.8
Other	-	-	-	-	7,398	8,867	6,314	5,445	-	*
Total Electric Industry	**47,079,131**	**52,667,367**	**55,249,450**	**59,183,419**	**60,626,856**	**60,729,560**	**68,607,827**	**70,614,880**	**100.0**	**100.0**
Coal	25,655,347	32,785,062	34,615,768	35,964,778	36,676,326	33,802,376	36,349,433	35,075,966	54.5	49.7
Petroleum	76,947	98,685	175,175	49,871	161,210	68,197	70,333	64,123	0.2	0.1
Natural Gas	18,236,766	16,715,507	17,943,808	21,049,039	21,822,696	23,285,233	28,549,383[R]	32,933,177	38.7	46.6
Other Gases	88,970	65,000	67,792	70,710	45,408	-	18,838	16,143	0.2	*
Hydroelectric	2,730,594	2,779,920	2,344,690	1,987,844	1,798,412	2,976,676	2,630,361	623,579	5.8	0.9
Other Renewables	270,743	287,856	230,696	239,045	321,593	822,092	1,136,990	2,012,921	0.6	2.9
Pumped Storage	19,764	-64,663	-128,479	-177,868	-206,187	-233,879	-153,825	-116,473	*	-0.2
Other	-	-	-	-	7,398	8,867	6,314	5,445	-	*

See footnotes at end of tables.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1990, 1995, and 2001 Through 2006

Fuel, Quality	1990	1995	2001	2002	2003	2004	2005	2006
Oklahoma								
Coal (cents per million Btu)	140	99	91	W	W	W	W	W
Average heat value (Btu per pound)	8,894	8,557	8,910	8,836	8,872	8,854	8,765	8,747
Average sulfur Content (percent)	0.47	0.36	0.30	0.39	0.41	0.40	0.41	0.42
Petroleum (cents per million Btu)	320	253	633	484	548	609	1,199	1,331
Average heat value (Btu per gallon)	155,948	141,788	147,381	142,181	142,205	145,071	140,674	151,336
Average sulfur Content (percent)	1.09	0.27	0.04	0.05	0.45	0.56	0.30	0.42
Natural Gas (cents per million Btu)	301	226	448	344	542	594	802	640
Average heat value (Btu per cubic foot)	1,045	1,034	1,020	1,030	1,031	1,031	1,030	1,028

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1990, 1995, and 2001 Through 2006
(Thousand Metric Tons)

Emission Type	1990	1995	2001	2002	2003	2004	2005	2006
Oklahoma								
Sulfur Dioxide								
Coal	99	113	100	105	107	99	102	104
Petroleum	1	*	1	1	1	2	2	2
Natural Gas	*	*	*	*	*	*	*	*
Other	2	2	2	3	3	3	3	3
Total	103	115	103	109	111	103	106	110
Nitrogen Oxide								
Coal	145	153	57	61	65	60	64	61
Petroleum	*	*	*	*	1	*	*	1
Natural Gas	23	20	27	24	19	16	19	21
Other	1	1	1	1	1	1	1	2
Total	168	175	86	86	86	77	84	84
Carbon Dioxide								
Coal	25,945	32,919	35,688	36,835	36,928	34,918	37,292	36,102
Petroleum	148	145	237	164	265	237	240	184
Natural Gas	10,163	9,507	10,104	11,193	11,357	11,705	13,805	15,827
Other Renewables	1	1	-	-	-	127	114	128
Total	36,257	42,573	46,030	48,192	48,549	46,987	51,451	52,242

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1990, 1995, and 2001 Through 2006

Sector	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Oklahoma										
Retail Sales (thousand megawatthours)										
Residential	17,077	16,319	19,796	19,927	20,162	19,699	21,309	21,690	40.2	39.5
Commercial	11,634	11,115	13,552	13,097	16,958	17,020	17,477	18,197	27.4	33.1
Industrial	11,764	11,714	13,356	12,898	13,308	14,223	14,920	15,018	27.7	27.4
Other	2,029	2,244	2,963	3,564	NA	NA	NA	NA	4.8	NA
All Sectors	42,504	41,392	49,667	49,485	50,428	50,942	53,707	54,905	100.0	100.0
Retail Revenue (million dollars)										
Residential	1,124	1,113	1,439	1,341	1,507	1,520	1,695	1,854	48.3	46.2
Commercial	668	642	861	753	1,083	1,116	1,223	1,336	28.7	33.3
Industrial	427	440	573	491	611	677	762	819	18.4	20.4
Other	108	111	160	180	NA	NA	NA	NA	4.6	NA
All Sectors	2,328	2,306	3,032	2,765	3,201	3,313	3,680	4,010	100.0	100.0
Average Retail Prices (cents/KWh)										
Residential	6.58	6.82	7.27	6.73	7.47	7.72	7.95	8.55	NA	NA
Commercial	5.74	5.78	6.35	5.75	6.38	6.55	7.00	7.34	NA	NA
Industrial	3.63	3.75	4.29	3.81	4.59	4.76	5.11	5.46	NA	NA
Other	5.33	4.93	5.39	5.06	NA	NA	NA	NA	NA	NA
All Sectors	5.48	5.57	6.10	5.59	6.35	6.50	6.85	7.30	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2006

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Oklahoma								
Number of Entities	4	62	1	31	1	NA	NA	99
Number of Retail Customers	1,219,779	194,807	1	470,077	80	NA	NA	1,884,744
Retail Sales (thousand megawatthours)	40,253	4,865	159	9,495	134	NA	NA	54,905
Percentage of Retail Sales	73.31	8.86	0.29	17.29	0.24	NA	NA	100.00
Revenue from Retail Sales (million dollars)	2,809	368	9	814	10	NA	NA	4,010
Percentage of Revenue	70.05	9.18	0.22	20.30	0.25	NA	NA	100.00
Average Retail Price (cents/kWh)	6.98	7.56	5.60	8.57	7.35	NA	NA	7.30

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 services. 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.

Table 10. Supply and Disposition of Electricity, 1990, 1995, and 2001 Through 2006
(Million Kilowatthours)

Category	1990	1995	2001	2002	2003	2004	2005	2006
Oklahoma								
Supply								
Generation								
Electric Utilities	45,063	47,955	50,414	51,218	49,777	48,298	54,251	51,917
Independent Power Producers	-	-	844	3,970	4,247	8,913	10,282	14,784
Combined Heat and Power, Electric	1,017	3,314	2,731	2,622	5,217	2,256	2,822	2,642
Electric Power Sector Generation Subtotal	**46,080**	**51,269**	**53,988**	**57,810**	**59,240**	**59,467**	**67,355**	**69,344**
Combined Heat and Power, Commercial	48	58	26	27	28	18	19	25
Combined Heat and Power, Industrial	951	1,340	1,236	1,346	1,358	1,245	1,234	1,246
Industrial and Commercial Generation Subtotal	**999**	**1,398**	**1,261**	**1,373**	**1,387**	**1,262**	**1,253**	**1,271**
Total Net Generation	**47,079**	**52,667**	**55,249**	**59,183**	**60,627**	**60,730**	**68,608**	**70,615**
Total Supply	**47,079**	**52,667**	**55,249**	**59,183**	**60,627**	**60,730**	**68,608**	**70,615**
Disposition								
Retail Sales								
Full Service Providers	42,504	41,392	49,667	49,485	50,288	50,811	53,571	54,771
Facility Direct Retail Sales	-	-	-	-	140	131	136	134
Total Electric Industry Retail Sales	**42,504**	**41,392**	**49,667**	**49,485**	**50,428**	**50,942**	**53,707**	**54,905**
Direct Use	**958**	**1,267**	**1,114**	**1,138**	**1,153**	**1,154**	**953**	**987**
Total International Exports	-	-	-	-	-	*	*	-
Estimated Losses	**3,187**	**3,142**	**1,779**	**4,609**	**3,528**	**3,431**	**4,219**	**4,715**
Total Disposition	**46,649**	**45,802**	**52,560**	**55,233**	**55,109**	**55,528**	**58,880**	**60,607**
Net Interstate Trade	**430**	**6,866**	**2,689**	**3,951**	**5,518**	**5,202**	**9,728**	**10,007**
Net Trade Index (ratio)	**1.01**	**1.15**	**1.05**	**1.07**	**1.10**	**1.09**	**1.17**	**1.17**

R = Revised.
NA = Not applicable; NM = Not meaningful.
W = Withheld to avoid disclosure of individual company data.
- = Data not available.
* = 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 10 Notes: Estimated Losses are reported at the utility level, and then allocated to States based on the utility's retail sales by State. Reported losses may include electricity unaccounted for by the utility. Net Interstate Trade represents the difference between the amount of electricity produced in the State and consumed in the State. Positive values indicate a State that is a net interstate exporter of electricity; negative values indicate a State that is a net interstate importer of electricity. The Net Trade Index represents a State's electricity self-sufficiency. Values greater than 1 indicate that, on an annual net basis, the State supplied electricity consumed outside the State; values less than 1 indicate that, on an annual net basis, the State consumed electricity produced outside the State.
General Notes: Table 4 "Other Renewables" includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. The "Other" category includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. However, Table 5 "Other Renewables" includes only biogenic municipal solid waste, in addition to wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. In Table 5 "Other" includes Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. In Table 7, "Other Renewables" emissions include biogenic municipal solid waste, and other renewable 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.

Table 1. 2006 Summary Statistics

Item	Value	U.S. Rank
Oregon		
NERC Region(s)		**WECC**
Primary Energy Source		**Hydroelectric**
Net Summer Capacity (megawatts)	**12,333**	**30**
Electric Utilities	9,971	25
Independent Power Producers & Combined Heat and Power	2,362	33
Net Generation (megawatthours)	**53,340,695**	**25**
Electric Utilities	43,068,822	22
Independent Power Producers & Combined Heat and Power	10,271,873	28
Emissions (thousand metric tons)		
Sulfur Dioxide	11	44
Nitrogen Oxide	12	43
Carbon Dioxide	7,088	42
Sulfur Dioxide (lbs/MWh)	0.5	46
Nitrogen Oxide (lbs/MWh)	0.5	48
Carbon Dioxide (lbs/MWh)	293	48
Total Retail Sales (megawatthours)	**48,069,265**	**28**
Full Service Provider Sales (megawatthours)	46,962,026	26
Deregulated Sales (megawatthours)	1,107,239	17
Direct Use (megawatthours)	**1,418,985**	**23**
Average Retail Price (cents/kWh)	**6.53**	**41**

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capacity, 2006

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
Oregon			
1. John Day	Hydroelectric	USCE-North Pacific Division	2,160
2. The Dalles	Hydroelectric	USCE-North Pacific Division	1,823
3. Bonneville	Hydroelectric	USCE-North Pacific Division	1,093
4. McNary	Hydroelectric	USCE-North Pacific Division	991
5. Hermiston Power Partnership	Gas	Hermiston Power Partnership	615
6. Boardman	Coal	Portland General Electric Co	585
7. Beaver	Gas	Portland General Electric Co	495
8. Klamath Cogeneration Plant	Gas	Pacific Klamath Energy Inc	470
9. Hermiston Generating Plant	Gas	Hermiston Generating Co LP	464
10. Hells Canyon	Hydroelectric	Idaho Power Co	381

See footnotes at end of tables.

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2006
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
Oregon						
1. Portland General Electric Company	Investor-Owned	18,432,528	7,572,788	7,224,360	3,630,074	5,306
2. PacifiCorp	Investor-Owned	13,912,004	5,553,588	4,870,791	3,474,848	12,777
3. Eugene City of	Public	2,689,923	943,140	974,369	772,414	-
4. Central Lincoln People's Ut Dt	Public	1,309,389	428,622	205,124	675,643	-
5. Clatskanie Peoples Util Dist	Public	1,009,445	69,927	27,877	911,641	-
Total Sales, Top Five Providers		37,353,289	14,568,065	13,302,521	9,464,620	18,083
Percent of Total State Sales		78	77	83	73	100

See footnotes at end of tables.

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatts)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Oregon										
Electric Utilities	**11,236**	**10,446**	**10,354**	**10,348**	**10,338**	**9,555**	**9,839[R]**	**9,971**	**97.4**	**80.9**
Coal	530	508	557	557	556	556	585	585	4.6	4.7
Petroleum	109[R]	103[R]	-	-	-	-	-	-	0.9	-
Natural Gas	493[R]	767[R]	729	753	725	725	967[R]	962	4.3	7.8
Nuclear	1,104	-	-	-	-	-	-	-	9.6	-
Hydroelectric	8,988	9,031	9,063	9,033	9,020	8,239	8,281[R]	8,319	77.9	67.5
Other Renewables	11	38	6	6	37	35	5[R]	106	0.1	0.9
Independent Power Producers and Combined Heat and Power	**305**	**352**	**1,415**	**2,137**	**2,545**	**2,538**	**2,360[R]**	**2,362**	**2.6**	**19.1**
Coal	13	13	10	10	10	10	-	-	0.1	-
Petroleum	7	-	-	-	-	-	-	-	0.1	-
Natural Gas	1	72	1,021	1,720	2,053	2,047	1,803[R]	1,803	*	14.6
Hydroelectric	93	109	55	55	92	91	55[R]	55	0.8	0.4
Other Renewables	189	158	329	352	390	390	502[R]	504	1.6	4.1
Total Electric Industry	**11,540**	**10,798**	**11,769**	**12,485**	**12,883**	**12,093**	**12,198**	**12,333**	**100.0**	**100.0**
Coal	543	521	567	567	566	566	585	585	4.7	4.7
Petroleum	116[R]	103[R]	-	-	-	-	-	-	1.0	-
Natural Gas	494[R]	839[R]	1,750	2,472	2,778	2,771	2,770	2,764	4.3	22.4
Nuclear	1,104	-	-	-	-	-	-	-	9.6	-
Hydroelectric	9,082	9,140	9,118	9,089	9,112	8,330	8,336	8,374	78.7	67.9
Other Renewables	201	196	335	357	427	426	508	610	1.7	4.9

See footnotes at end of tables.

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatthours)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Oregon										
Electric Utilities	**49,171,999**	**44,031,261**	**38,059,649**	**39,731,986**	**38,577,937**	**39,092,958**	**37,407,039**	**43,068,822**	**97.6**	**80.7**
Coal	1,297,978	1,527,874	4,423,843	3,768,531	4,285,697	3,535,764	3,463,644	2,370,628	2.6	4.4
Petroleum	26,809	4,346	92,767	5,893	44,035	20,305	47,427	4,323	0.1	*
Natural Gas	811,262	2,084,035	5,183,521	1,799,217	1,232,518	2,605,531	3,097,591	2,988,707	1.6	5.6
Nuclear	6,073,796	-	-	-	-	-	-	-	12.1	-
Hydroelectric	40,961,577	40,415,006	28,359,518	34,158,327	32,980,206	32,896,035	30,765,882	37,603,801	81.3	70.5
Other Renewables	577	-	-	18	35,481	35,323	32,495	101,363	*	0.2
Independent Power Producers and Combined Heat and Power	**1,200,237**	**1,234,292**	**6,992,257**	**7,367,382**	**10,388,202**	**12,288,320**	**11,917,964[R]**	**10,271,873**	**2.4**	**19.3**
Coal	19,366	24,617	21,210	11,153	19,151	19,897	3,067	-	*	-
Petroleum	968	681	9,456	811	61	42,633	30,764[R]	7,496	*	*
Natural Gas	8,066	269,440	5,799,444	6,013,676	9,011,178	10,875,015	10,052,064	8,209,068	*	15.4
Hydroelectric	278,790	349,459	285,034	254,840	270,126	184,784	182,463	246,496	0.6	0.5
Other Renewables	893,047	590,095	839,528	1,048,773	1,047,116	1,124,412	1,609,128	1,768,493	1.8	3.3
Other	-	-	37,585	38,129	40,569	41,578	40,477	40,320	-	0.1
Total Electric Industry	**50,372,236**	**45,265,553**	**45,051,906**	**47,099,368**	**48,966,139**	**51,381,278**	**49,325,003[R]**	**53,340,695**	**100.0**	**100.0**
Coal	1,317,344	1,552,491	4,445,053	3,779,684	4,304,848	3,555,661	3,466,711	2,370,628	2.6	4.4
Petroleum	27,777	5,027	102,223	6,704	44,096	62,938	78,191[R]	11,819	0.1	*
Natural Gas	819,328	2,353,475	10,982,965	7,812,893	10,243,696	13,480,546	13,149,655	11,197,775	1.6	21.0
Nuclear	6,073,796	-	-	-	-	-	-	-	12.1	-
Hydroelectric	41,240,367	40,764,465	28,644,552	34,413,167	33,250,332	33,080,819	30,948,345	37,850,297	81.9	71.0
Other Renewables	893,624	590,095	839,528	1,048,791	1,082,597	1,159,735	1,641,623	1,869,856	1.8	3.5
Other	-	-	37,585	38,129	40,569	41,578	40,477	40,320	-	0.1

See footnotes at end of tables.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1990, 1995, and 2001 Through 2006

Fuel, Quality	1990	1995	2001	2002	2003	2004	2005	2006
Oregon								
Coal (cents per million Btu)	108	106	111	133	125	118	128	130
Average heat value (Btu per pound)	8,348	8,882	8,710	8,695	8,516	8,402	8,356	8,321
Average sulfur Content (percent)	0.31	0.30	0.38	0.31	0.29	0.33	0.32	0.37
Petroleum (cents per million Btu)	347	427	636	572	787	870	1,217	1,406
Average heat value (Btu per gallon)	139,000	140,164	143,095	140,000	138,490	141,074	139,760	139,205
Average sulfur Content (percent)	0.48	0.29	0.07	0.05	0.20	0.14	0.08	0.17
Natural Gas (cents per million Btu)	-	130	375	328	437	500	662	600
Average heat value (Btu per cubic foot)	-	1,012	1,020	1,019	1,022	1,021	1,021	1,021

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1990, 1995, and 2001 Through 2006
(Thousand Metric Tons)

Emission Type	1990	1995	2001	2002	2003	2004	2005	2006
Oregon								
Sulfur Dioxide								
Coal	7	7	16	11	12	12	11	8
Petroleum	*	*	*	*	*	*	*	*
Natural Gas	*	*	*	*	*	*	*	*
Other	2	2	3	3	3	3	3	3
Total	9	9	19	14	15	14	14	11
Nitrogen Oxide								
Coal	6	7	10	8	9	7	8	5
Petroleum	*	*	*	*	*	*	*	*
Natural Gas	1	3	6	2	3	4	4	5
Other	2	1	2	1	2	2	2	2
Total	9	11	18	11	14	13	14	12
Carbon Dioxide								
Coal	1,469	1,812	4,229	3,580	4,247	3,458	3,399	2,314
Petroleum	29	8	115	9	42	71	87	16
Natural Gas	456	1,385	4,867	3,475	4,413	5,568	5,447	4,690
Other Renewables	73	69	68	67	69	67	33	68
Total	2,027	3,273	9,279	7,132	8,771	9,163	8,966	7,088

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1990, 1995, and 2001 Through 2006

Sector	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Oregon										
Retail Sales (thousand megawatthours)										
Residential	15,380	16,315	17,503	17,554	17,736	18,001	18,339	18,978	35.8	39.5
Commercial	11,319	12,900	14,816	14,902	15,483	15,667	15,380	16,083	26.3	33.5
Industrial	15,498	15,839	13,084	12,296	11,961	11,954	12,684	12,991	36.1	27.0
Other	780	672	481	503	NA	NA	NA	NA	1.8	NA
Transportation	NA	NA	NA	NA	15	16	17	18	NA	*
All Sectors	42,977	45,725	45,885	45,255	45,195	45,636	46,419	48,069	100.0	100.0
Retail Revenue (million dollars)										
Residential	727	895	1,100	1,249	1,252	1,293	1,330	1,419	40.5	45.2
Commercial	543	653	808	982	988	1,010	1,001	1,088	30.2	34.7
Industrial	490	550	551	581	554	529	613	630	27.2	20.1
Other	37	37	35	48	NA	NA	NA	NA	2.1	NA
Transportation	NA	NA	NA	NA	1	1	1	1	NA	*
All Sectors	1,797	2,135	2,494	2,859	2,795	2,833	2,945	3,139	100.0	100.0
Average Retail Prices (cents/KWh)										
Residential	4.73	5.49	6.29	7.12	7.06	7.18	7.25	7.48	NA	NA
Commercial	4.79	5.06	5.45	6.59	6.38	6.45	6.51	6.77	NA	NA
Industrial	3.16	3.47	4.21	4.72	4.63	4.43	4.83	4.85	NA	NA
Other	4.77	5.49	7.33	9.44	NA	NA	NA	NA	NA	NA
Transportation	NA	NA	NA	NA	6.68	6.50	6.36	6.40	NA	NA
All Sectors	4.18	4.67	5.44	6.32	6.18	6.21	6.34	6.53	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2006

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Oregon								
Number of Entities	3	18	1	19	NA	2	2	45
Number of Retail Customers	1,347,061	286,045	1	193,912	NA	283	NA	1,827,302
Retail Sales (thousand megawatthours)	33,048	9,405	4	4,505	NA	1,107	NA	48,069
Percentage of Retail Sales	68.75	19.57	0.01	9.37	NA	2.30	NA	100.00
Revenue from Retail Sales (million dollars)	2,223	526	*	301	NA	80	8	3,139
Percentage of Revenue	70.84	16.75	0.01	9.60	NA	2.56	0.24	100.00
Average Retail Price (cents/kWh)	6.73	5.59	5.72	6.69	NA	7.26	0.69	6.53

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 services. 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.

Table 10. Supply and Disposition of Electricity, 1990, 1995, and 2001 Through 2006
(Million Kilowatthours)

Category	1990	1995	2001	2002	2003	2004	2005	2006
Oregon								
Supply								
Generation								
Electric Utilities	49,172	44,031	38,060	39,732	38,578	39,093	37,407	43,069
Independent Power Producers	370	429	467	718	4,003	4,801	4,493	4,055
Combined Heat and Power, Electric	250	276	5,675	5,842	5,358	5,891	5,947	4,831
Electric Power Sector Generation Subtotal	**49,792**	**44,736**	**44,201**	**46,292**	**47,939**	**49,785**	**47,847**	**51,955**
Combined Heat and Power, Commercial	63	1	13	6	9	6	5	4
Combined Heat and Power, Industrial	517	528	837	802	1,018	1,591	1,473	1,382
Industrial and Commercial Generation Subtotal	**580**	**529**	**851**	**808**	**1,027**	**1,596**	**1,478**	**1,386**
Total Net Generation	**50,372**	**45,266**	**45,052**	**47,099**	**48,966**	**51,381**	**49,325**	**53,341**
Total International Imports	**852**	**828**	**151**	**1,477**	**3,121**	**2,523**	**4,287**	**456**
Total Supply	**51,225**	**46,093**	**45,203**	**48,576**	**52,087**	**53,904**	**53,612**	**53,797**
Disposition								
Retail Sales								
Full Service Providers	42,977	45,725	45,885	45,255	45,195	44,791	44,865	46,962
Energy-Only Providers	-	-	-	-	-	845	1,555	1,107
Total Electric Industry Retail Sales	**42,977**	**45,725**	**45,885**	**45,255**	**45,195**	**45,636**	**46,419**	**48,069**
Direct Use	**505**	**544**	**668**	**682**	**691**	**691**	**1,266**	**1,419**
Total International Exports	**-**	**-**	**11**	**9**	**6**	**77**	**445**	**470**
Estimated Losses	**3,222**	**3,471**	**2,594**	**2,857**	**2,596**	**2,882**	**3,226**	**3,570**
Total Disposition	**46,705**	**49,741**	**49,158**	**48,803**	**48,487**	**49,288**	**51,357**	**53,528**
Net Interstate Trade	**4,520**	**-3,647**	**-3,955**	**-226**	**3,600**	**4,616**	**2,255**	**269**
Net Trade Index (ratio)	**1.10**	**0.93**	**0.92**	**1.00**	**1.07**	**1.09**	**1.04**	**1.01**

R = Revised.
NA = Not applicable; NM = Not meaningful.
W = Withheld to avoid disclosure of individual company data.
- = Data not available.
* = 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 10 Notes: Estimated Losses are reported at the utility level, and then allocated to States based on the utility's retail sales by State. Reported losses may include electricity unaccounted for by the utility. Net Interstate Trade represents the difference between the amount of electricity produced in the State and consumed in the State. Positive values indicate a State that is a net interstate exporter of electricity; negative values indicate a State that is a net interstate importer of electricity. The Net Trade Index represents a State's electricity self-sufficiency. Values greater than 1 indicate that, on an annual net basis, the State supplied electricity consumed outside the State; values less than 1 indicate that, on an annual net basis, the State consumed electricity produced outside the State.
General Notes: Table 4 "Other Renewables" includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. The "Other" category includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. However, Table 5 "Other Renewables" includes only biogenic municipal solid waste, in addition to wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. In Table 5 "Other" includes Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. In Table 7, "Other Renewables" emissions include biogenic municipal solid waste, and other renewable 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.

Table 1. 2006 Summary Statistics

Item	Value	U.S. Rank
Pennsylvania		
NERC Region(s)		**RFC**
Primary Energy Source		**Coal**
Net Summer Capacity (megawatts)	**45,005**	**4**
Electric Utilities	455	44
Independent Power Producers & Combined Heat and Power	44,551	2
Net Generation (megawatthours)	**218,811,595**	**3**
Electric Utilities	1,311,434	42
Independent Power Producers & Combined Heat and Power	217,500,161	2
Emissions (thousand metric tons)		
Sulfur Dioxide	839	2
Nitrogen Oxide	176	5
Carbon Dioxide	125,864	4
Sulfur Dioxide (lbs/MWh)	8.5	10
Nitrogen Oxide (lbs/MWh)	1.8	32
Carbon Dioxide (lbs/MWh)	1,268	31
Total Retail Sales (megawatthours)	**146,150,358**	**5**
Full Service Provider Sales (megawatthours)	137,244,377	5
Deregulated Sales (megawatthours)	8,905,981	9
Direct Use (megawatthours)	**2,872,473**	**11**
Average Retail Price (cents/kWh)	**8.68**	**18**

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capacity, 2006

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
Pennsylvania			
1. Bruce Mansfield	Coal	FirstEnergy Generation Corp	2,460
2. PPL Susquehanna	Nuclear	PPL Susquehanna LLC	2,275
3. Limerick	Nuclear	Exelon Generation Co LLC	2,268
4. Peach Bottom	Nuclear	Exelon Generation Co LLC	2,224
5. PPL Martins Creek	Coal	PPL Martins Creek LLC	2,027
6. Homer City Station	Coal	Midwest Generations EME LLC	1,884
7. Conemaugh	Coal	Reliant Engy NE Management Co	1,712
7. Keystone	Coal	Reliant Engy NE Management Co	1,712
9. Beaver Valley	Nuclear	FirstEnergy Nuclear Operating Company	1,681
10. Hatfields Ferry Power Station	Coal	Allegheny Energy Supply Co LLC	1,590

See footnotes at end of tables.

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2006
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
Pennsylvania						
1. PECO Energy Co	Investor-Owned	37,332,842	12,797,386	8,021,143	15,788,191	726,122
2. PPL Electric Utilities Corp	Investor-Owned	36,502,025	13,645,099	13,209,976	9,584,940	62,010
3. West Penn Power Co	Investor-Owned	19,925,043	6,903,375	4,908,511	8,102,172	10,985
4. Metropolitan Edison Co	Investor-Owned	13,825,347	5,286,865	4,542,584	3,995,898	-
5. Pennsylvania Electric Co	Investor-Owned	13,518,662	4,350,840	4,985,305	4,182,517	-
Total Sales, Top Five Providers		121,103,919	42,983,565	35,667,519	41,653,718	799,117
Percent of Total State Sales		83	83	78	87	98

See footnotes at end of tables.

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatts)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Pennsylvania										
Electric Utilities	**33,440**	**33,699**	**4,978**	**4,887**	**4,921**	**4,968**	**455[R]**	**455**	**94.8**	**1.0**
Coal	17,543	17,503	2,407	2,360	2,360	2,407	-[R]	-	49.7	-
Petroleum	5,031[R]	4,860[R]	3	3	-	-	-	-	14.3	-
Natural Gas	242[R]	447[R]	48	4	30	30	30	30	0.7	0.1
Nuclear	8,747	8,956	1,641	1,641	1,652	1,652	-[R]	-	24.8	-
Hydroelectric	647	647	444	444	444	444	425[R]	425	1.8	0.9
Pumped Storage	1,230	1,285	435	435	435	435	-[R]	-	3.5	-
Independent Power Producers and Combined Heat and Power	**1,850**	**2,715**	**32,699**	**34,896**	**37,448**	**40,168**	**44,442[R]**	**44,551**	**5.2**	**99.0**
Coal	926	1,564	16,171	16,024	15,777	16,255	18,659[R]	18,771	2.6	41.7
Petroleum	74	75	4,807	3,368	5,030	4,918	4,604	4,664	0.2	10.4
Natural Gas	487	448	2,466	6,218	7,053	9,354	9,371	9,319	1.4	20.7
Other Gases	161	257	106	105	110	110	110	110	0.5	0.2
Nuclear	-	-	7,489	7,486	7,523	7,577	9,195[R]	9,234	-	20.5
Hydroelectric	85	85	292	307	307	307	322[R]	322	0.2	0.7
Other Renewables	114	285	458	477	575	578	675	618	0.3	1.4
Pumped Storage	-	-	910	910	1,072	1,070	1,505[R]	1,513	-	3.4
Other	2	2	-	-	-	-	-	-	*	-
Total Electric Industry	**35,290**	**36,413**	**37,678**	**39,783**	**42,368**	**45,136**	**44,897**	**45,005**	**100.0**	**100.0**
Coal	18,469	19,067	18,578	18,384	18,137	18,662	18,659	18,771	52.3	41.7
Petroleum	5,104[R]	4,935[R]	4,811	3,372	5,030	4,918	4,604	4,664	14.5	10.4
Natural Gas	729[R]	895[R]	2,515	6,223	7,083	9,384	9,400	9,349	2.1	20.8
Other Gases	161	257	106	105	110	110	110	110	0.5	0.2
Nuclear	8,747	8,956	9,130	9,127	9,175	9,229	9,195	9,234	24.8	20.5
Hydroelectric	732	732	736	751	751	751	748	748	2.1	1.7
Other Renewables	114	285	458	477	575	578	675	618	0.3	1.4
Pumped Storage	1,230	1,285	1,345	1,345	1,507	1,505	1,505	1,513	3.5	3.4
Other	2	2	-	-	-	-	-	-	*	-

See footnotes at end of tables.

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatthours)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Pennsylvania										
Electric Utilities	**165,682,846**	**168,941,707**	**27,633,966**	**30,537,243**	**30,099,444**	**33,900,004**	**1,058,313[R]**	**1,311,434**	**94.3**	**0.6**
Coal	101,996,271	96,799,645	13,863,092	15,935,860	15,944,113	18,396,944	-[R]	-	58.1	-
Petroleum	4,013,814	3,072,153	21,609	39,420	34,944	32,129	7,717[R]	2,942	2.3	*
Natural Gas	182,957	2,164,830	1,138	1,934	2,857	25,316	34,394	13,923	0.1	*
Nuclear	57,787,051	66,461,535	13,179,236	13,594,705	12,619,098	13,993,379	-[R]	-	32.9	-
Hydroelectric	2,582,002	1,683,697	776,727	1,166,959	1,745,193	1,666,727	1,016,202[R]	1,294,569	1.5	0.6
Pumped Storage	-879,249	-1,240,153	-207,836	-201,635	-246,761	-214,491	-[R]	-	-0.5	-
Independent Power Producers and Combined Heat and Power	**9,940,465**	**16,509,604**	**168,942,625**	**173,785,635**	**176,250,070**	**180,758,496**	**217,032,812[R]**	**217,500,161**	**5.7**	**99.4**
Coal	4,680,884	9,535,002	98,037,356	97,970,580	100,065,761	98,783,678	120,938,406[R]	122,548,593	2.7	56.0
Petroleum	640,708	575,446	3,540,978	2,693,525	4,500,393	4,090,785	4,957,670[R]	1,569,837	0.4	0.7
Natural Gas	2,650,925	2,761,353	3,035,159	6,713,603	5,515,680	9,803,647	10,771,248	13,525,817	1.5	6.2
Other Gases	841,604	781,665	613,137	568,725	508,176	581,246	511,038	507,404	0.5	0.2
Nuclear	-	-	60,551,561	62,494,225	61,741,764	63,465,253	76,289,432[R]	75,297,632	-	34.4
Hydroelectric	287,190	346,510	873,277	1,043,604	1,601,074	1,488,611	1,215,977[R]	1,549,573	0.2	0.7
Other Renewables	838,422	2,464,348	1,896,196	2,062,494	2,097,618	2,276,584	2,329,467	2,477,869	0.5	1.1
Pumped Storage	-	-	-407,614	-456,119	-492,233	-471,393	-711,041[R]	-698,177	-	-0.3
Other	732	45,280	802,575	694,998	711,838	740,086	730,615[R]	721,613	*	0.3
Total Electric Industry	**175,623,311**	**185,451,311**	**196,576,591**	**204,322,878**	**206,349,514**	**214,658,500**	**218,091,125**	**218,811,595**	**100.0**	**100.0**
Coal	106,677,155	106,334,647	111,900,448	113,906,440	116,009,874	117,180,622	120,938,406	122,548,593	60.7	56.0
Petroleum	4,654,522	3,647,599	3,562,587	2,732,945	4,535,337	4,122,914	4,965,387	1,572,779	2.7	0.7
Natural Gas	2,833,882	4,926,183	3,036,297	6,715,537	5,518,537	9,828,963	10,805,642	13,539,740	1.6	6.2
Other Gases	841,604	781,665	613,137	568,725	508,176	581,246	511,038	507,404	0.5	0.2
Nuclear	57,787,051	66,461,535	73,730,797	76,088,930	74,360,862	77,458,632	76,289,432	75,297,632	32.9	34.4
Hydroelectric	2,869,192	2,030,207	1,650,004	2,210,563	3,346,267	3,155,338	2,232,179	2,844,142	1.6	1.3
Other Renewables	838,422	2,464,348	1,896,196	2,062,494	2,097,618	2,276,584	2,329,467	2,477,869	0.5	1.1
Pumped Storage	-879,249	-1,240,153	-615,450	-657,754	-738,994	-685,884	-711,041	-698,177	-0.5	-0.3
Other	732	45,280	802,575	694,998	711,838	740,086	730,615[R]	721,613	*	0.3

See footnotes at end of tables.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1990, 1995, and 2001 Through 2006

Fuel, Quality	1990	1995	2001	2002	2003	2004	2005	2006
Pennsylvania								
Coal (cents per million Btu)	152	136	121	125	122	137	159	172
Average heat value (Btu per pound)	12,241	12,315	11,240	12,111	11,733	11,615	11,741	11,459
Average sulfur Content (percent)	2.16	2.12	2.12	1.95	1.95	2.00	1.94	2.09
Petroleum (cents per million Btu)	322	224	373	464	467	451	746	762
Average heat value (Btu per gallon)	140,462	128,574	146,429	145,976	144,660	144,343	146,174	139,310
Average sulfur Content (percent)	1.27	2.00	0.46	0.50	1.35	1.42	1.07	1.87
Natural Gas (cents per million Btu)	295	198	851	390	625	723	990	772
Average heat value (Btu per cubic foot)	1,032	1,030	1,020	1,036	1,038	1,033	1,033	1,033

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1990, 1995, and 2001 Through 2006
(Thousand Metric Tons)

Emission Type	1990	1995	2001	2002	2003	2004	2005	2006
Pennsylvania								
Sulfur Dioxide								
Coal	1,169	1,051	945	861	888	904	994	819
Petroleum	68	50	32	15	18	21	20	17
Natural Gas	*	*	*	*	*	*	*	*
Other	2	3	3	4	3	3	4	3
Total	1,240	1,104	980	880	910	929	1,019	839
Nitrogen Oxide								
Coal	435	325	200	203	161	160	161	156
Petroleum	12	8	14	6	7	9	10	7
Natural Gas	5	6	5	6	5	4	4	4
Other	2	5	11	9	8	9	11	9
Total	453	344	230	224	182	182	186	176
Carbon Dioxide								
Coal	100,030	102,040	105,098	110,970	110,392	111,398	115,163	116,964
Petroleum	6,178	4,399	3,634	2,956	4,442	4,117	5,194	1,401
Natural Gas	1,886	3,004	2,018	3,572	3,026	4,964	5,183	6,270
Other Renewables	183	1,102	1,296	1,162	1,212	1,178	1,172	1,228
Total	108,277	110,546	112,046	118,660	119,072	121,657	126,713	125,864

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1990, 1995, and 2001 Through 2006

Sector	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Pennsylvania										
Retail Sales (thousand megawatthours)										
Residential	38,164	42,802	46,030	48,730	49,651	50,663	53,661	51,790	33.3	35.4
Commercial	29,159	34,544	40,553	42,632	43,218	44,355	45,782	45,624	25.4	31.2
Industrial	45,992	47,528	47,383	47,090	46,773	47,659	47,950	47,920	40.1	32.8
Other	1,435	1,377	1,306	1,368	NA	NA	NA	NA	1.3	NA
Transportation	NA	NA	NA	NA	727	823	880	816	NA	0.6
All Sectors	114,751	126,251	135,272	139,820	140,369	143,501	148,273	146,150	100.0	100.0
Retail Revenue (million dollars)										
Residential	3,519	4,161	4,454	4,747	4,760	4,853	5,289	5,359	40.1	42.3
Commercial	2,360	2,877	3,497	3,623	3,724	3,774	3,890	4,081	26.9	32.2
Industrial	2,748	2,813	2,731	2,747	2,715	2,799	3,018	3,179	31.3	25.1
Other	155	155	150	159	NA	NA	NA	NA	1.8	NA
Transportation	NA	NA	NA	NA	57	60	64	61	NA	0.5
All Sectors	8,782	10,006	10,832	11,276	11,256	11,486	12,261	12,680	100.0	100.0
Average Retail Prices (cents/KWh)										
Residential	9.22	9.72	9.68	9.74	9.59	9.58	9.86	10.35	NA	NA
Commercial	8.09	8.33	8.62	8.50	8.62	8.51	8.50	8.94	NA	NA
Industrial	5.97	5.92	5.76	5.83	5.80	5.87	6.29	6.63	NA	NA
Other	10.80	11.29	11.46	11.59	NA	NA	NA	NA	NA	NA
Transportation	NA	NA	NA	NA	7.78	7.32	7.22	7.45	NA	NA
All Sectors	7.65	7.93	8.01	8.06	8.02	8.00	8.27	8.68	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2006

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Pennsylvania								
Number of Entities	11	35	NA	13	NA	16	6	81
Number of Retail Customers	5,438,241	83,262	NA	213,521	NA	149,722	NA	5,884,746
Retail Sales (thousand megawatthours)	133,267	1,470	NA	2,507	NA	8,906	NA	146,150
Percentage of Retail Sales	91.18	1.01	NA	1.72	NA	6.09	NA	100.00
Revenue from Retail Sales (million dollars)	11,546	139	NA	261	NA	596	137	12,680
Percentage of Revenue	91.06	1.10	NA	2.06	NA	4.70	1.08	100.00
Average Retail Price (cents/kWh)	8.66	9.46	NA	10.41	NA	6.70	1.54	8.68

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 services. 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.

Table 10. Supply and Disposition of Electricity, 1990, 1995, and 2001 Through 2006

(Million Kilowatthours)

Category	1990	1995	2001	2002	2003	2004	2005	2006
Pennsylvania								
Supply								
Generation								
Electric Utilities	165,683	168,942	27,634	30,537	30,099	33,900	1,058	1,311
Independent Power Producers	784	4,161	158,605	164,018	165,678	170,336	205,816	205,075
Combined Heat and Power, Electric	4,587	7,129	6,171	5,718	6,774	6,676	7,629	8,854
Electric Power Sector Generation Subtotal	**171,054**	**180,232**	**192,410**	**200,274**	**202,551**	**210,912**	**214,503**	**215,240**
Combined Heat and Power, Commercial	229	385	405	443	399	414	408	400
Combined Heat and Power, Industrial	4,341	4,835	3,762	3,606	3,399	3,332	3,181	3,172
Industrial and Commercial Generation Subtotal	**4,569**	**5,220**	**4,167**	**4,049**	**3,798**	**3,746**	**3,589**	**3,571**
Total Net Generation	**175,623**	**185,451**	**196,577**	**204,323**	**206,350**	**214,659**	**218,091**	**218,812**
Total International Imports	**-**	**23**	**-**	*****	**18**	**86**	**30**	**32**
Total Supply	**175,623**	**185,474**	**196,577**	**204,323**	**206,367**	**214,745**	**218,122**	**218,843**
Disposition								
Retail Sales								
Full Service Providers	114,751	126,251	115,913	128,688	127,964	130,848	137,221	137,244
Energy-Only Providers	-	-	19,359	11,132	12,405	12,653	11,052	8,906
Total Electric Industry Retail Sales	**114,751**	**126,251**	**135,272**	**139,820**	**140,369**	**143,501**	**148,273**	**146,150**
Direct Use	**3,739**	**4,979**	**4,328**	**4,422**	**4,478**	**4,483**	**3,287**	**2,872**
Total International Exports	**-**	**-**	**-**	**96**	**100**	**263**	**317**	**127**
Estimated Losses	**8,604**	**9,584**	**9,237**	**10,474**	**9,131**	**11,007**	**11,660**	**11,264**
Total Disposition	**127,094**	**140,814**	**148,837**	**154,813**	**154,079**	**159,254**	**163,537**	**160,413**
Net Interstate Trade	**48,530**	**44,660**	**47,740**	**49,511**	**52,289**	**55,491**	**54,584**	**58,430**
Net Trade Index (ratio)	**1.38**	**1.32**	**1.32**	**1.32**	**1.34**	**1.35**	**1.33**	**1.36**

R = Revised.
NA = Not applicable; NM = Not meaningful.
W = Withheld to avoid disclosure of individual company data.
- = Data not available.
* = 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 10 Notes: Estimated Losses are reported at the utility level, and then allocated to States based on the utility's retail sales by State. Reported losses may include electricity unaccounted for by the utility. Net Interstate Trade represents the difference between the amount of electricity produced in the State and consumed in the State. Positive values indicate a State that is a net interstate exporter of electricity; negative values indicate a State that is a net interstate importer of electricity. The Net Trade Index represents a State's electricity self-sufficiency. Values greater than 1 indicate that, on an annual net basis, the State supplied electricity consumed outside the State; values less than 1 indicate that, on an annual net basis, the State consumed electricity produced outside the State.
General Notes: Table 4 "Other Renewables" includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. The "Other" category includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. However, Table 5 "Other Renewables" includes only biogenic municipal solid waste, in addition to wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. In Table 5 "Other" includes Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. In Table 7, "Other Renewables" emissions include biogenic municipal solid waste, and other renewable 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.

Table 1. 2006 Summary Statistics

Item	Value	U.S. Rank
Rhode Island		
NERC Region(s)		**NPCC**
Primary Energy Source		**Gas**
Net Summer Capacity (megawatts)	**1,771**	**49**
Electric Utilities	8	50
Independent Power Producers & Combined Heat and Power	1,763	36
Net Generation (megawatthours)	**5,967,725**	**50**
Electric Utilities	11,008	49
Independent Power Producers & Combined Heat and Power	5,956,717	37
Emissions (thousand metric tons)		
Sulfur Dioxide	1	49
Nitrogen Oxide	3	48
Carbon Dioxide	2,513	48
Sulfur Dioxide (lbs/MWh)	0.3	48
Nitrogen Oxide (lbs/MWh)	1.1	40
Carbon Dioxide (lbs/MWh)	928	40
Total Retail Sales (megawatthours)	**7,799,126**	**49**
Full Service Provider Sales (megawatthours)	6,770,572	47
Deregulated Sales (megawatthours)	1,028,554	19
Direct Use (megawatthours)	**66,119**	**47**
Average Retail Price (cents/kWh)	**13.98**	**5**

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capacity, 2006

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
Rhode Island			
1. Rhode Island State Energy Partners	Gas	FPL Energy Operating Serv Inc	515
2. Manchester Street	Gas	Dominion Energy New England, LLC	447
3. Tiverton Power Plant	Gas	General Electric International Inc	250
4. Ocean State Power II	Gas	Ocean State Power II	219
4. Ocean State Power	Gas	Ocean State Power Co	219
6. Pawtucket Power Associates	Gas	Pawtucket Power Associates LP	63
7. Ridgewood Providence Power	Other Renewables	Ridgewood Power Management LLC	24
8. Central Power Plant	Gas	State of Rhode Island	10
9. Rhode Island Hospital	Gas	Rhode Island Hospital	9
10. Block Island	Petroleum	Block Island Power Co	7

See footnotes at end of tables.

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2006
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
Rhode Island						
1. Narragansett Electric Co	Investor-Owned	6,707,930	2,972,381	2,908,890	826,659	-
2. Constellation NewEnergy, Inc	Other Provider	684,165	-	635,460	48,705	-
3. TransCanada Power Mktg Ltd	Other Provider	183,390	-	-	183,390	-
4. Pascoag Utility District	Public	51,635	29,124	4,306	18,205	-
5. WPS Energy Services	Other Provider	36,540	-	12,882	23,658	-
Total Sales, Top Five Providers		7,663,660	3,001,505	3,561,538	1,100,617	-
Percent of Total State Sales		98	100	99	92	-

See footnotes at end of tables.

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatts)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Rhode Island										
Electric Utilities	**263**	**442**	**7**	**9**	**9**	**9**	**6**	**8**	**46.8**	**0.5**
Petroleum	262[R]	20	6	7	7	7	5	7	46.5	0.4
Natural Gas	-[R]	420	-	-	-	-	-	-	-	-
Hydroelectric	1	1	1	1	1	1	1	1	0.3	0.1
Independent Power Producers and Combined Heat and Power	**300**	**538**	**1,214**	**1,715**	**1,726**	**1,734**	**1,742**	**1,763**	**53.2**	**99.5**
Petroleum	-	3	7	10	10	24	24	24	-	1.4
Natural Gas	284	519	1,189	1,687	1,698	1,692	1,691	1,712	50.4	96.7
Hydroelectric	3	3	3	3	3	3	3	3	0.5	0.2
Other Renewables	13	13	15	15	15	15	24	24	2.4	1.3
Total Electric Industry	**563**	**980**	**1,221**	**1,723**	**1,734**	**1,743**	**1,748**	**1,771**	**100.0**	**100.0**
Petroleum	262[R]	23	13	17	17	31	29	31	46.5	1.7
Natural Gas	284[R]	939	1,189	1,687	1,698	1,692	1,691	1,712	50.4	96.7
Hydroelectric	4	4	4	4	4	4	4	4	0.7	0.2
Other Renewables	13	13	15	15	15	15	24	24	2.4	1.3

See footnotes at end of tables.

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatthours)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Rhode Island										
Electric Utilities	**591,756**	**653,076**	**-**	**11,836**	**11,771**	**12,402**	**10,805**	**11,008**	**53.4**	**0.2**
Petroleum	158,154	50,334	-	11,836	11,771	12,402	10,805	11,008	14.3	0.2
Natural Gas	433,602	602,742	-	-	-	-	-	-	39.2	-
Independent Power Producers and Combined Heat and Power	**515,560**	**3,835,137**	**7,501,892**	**7,044,929**	**5,609,373**	**4,927,018**	**6,042,489**	**5,956,717**	**46.6**	**99.8**
Petroleum	27,517	26,739	70,003	45,697	46,588	36,343	45,009	21,272	2.5	0.4
Natural Gas	443,341	3,719,500	7,325,130	6,310,417	5,454,996	4,783,687	5,990,746	5,780,622	40.0	96.9
Hydroelectric	9,946	9,169	3,143	3,685	6,021	5,461	6,734	5,909	0.9	0.1
Other Renewables	34,756	79,729	103,616	97,752	101,768	101,526	-	148,913	3.1	2.5
Other	-	-	-	587,378	-	-	-	-	-	-
Total Electric Industry	**1,107,316**	**4,488,213**	**7,501,892**	**7,056,765**	**5,621,144**	**4,939,420**	**6,053,294**	**5,967,725**	**100.0**	**100.0**
Petroleum	185,671	77,073	70,003	57,533	58,359	48,745	55,814	32,280	16.8	0.5
Natural Gas	876,943	4,322,242	7,325,130	6,310,417	5,454,996	4,783,687	5,990,746	5,780,622	79.2	96.9
Hydroelectric	9,946	9,169	3,143	3,685	6,021	5,461	6,734	5,909	0.9	0.1
Other Renewables	34,756	79,729	103,616	97,752	101,768	101,526	-	148,913	3.1	2.5
Other	-	-	-	587,378	-	-	-	-	-	-

See footnotes at end of tables.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1990, 1995, and 2001 Through 2006

Fuel, Quality	1990	1995	2001	2002	2003	2004	2005	2006
Rhode Island								
Petroleum (cents per million Btu)	359	413	-	-	W	W	W	-
Average heat value (Btu per gallon)	152,445	139,562	-	-	140,564	140,562	135,160	-
Average sulfur Content (percent)	0.93	0.03	-	-	0.14	0.09	0.03	-
Natural Gas (cents per million Btu)	217	185	-	455	650	680	951	734
Average heat value (Btu per cubic foot)	1,033	1,028	-	1,032	1,033	1,036	1,018	1,032

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1990, 1995, and 2001 Through 2006
(Thousand Metric Tons)

Emission Type	1990	1995	2001	2002	2003	2004	2005	2006
Rhode Island								
Sulfur Dioxide								
Petroleum	2	1	1	1	1	1	1	1
Natural Gas	*	*	*	*	*	*	*	*
Other	-	-	*	*	*	*	*	*
Total	2	1	1	1	1	1	1	1
Nitrogen Oxide								
Petroleum	*	*	*	*	*	*	*	1
Natural Gas	1	4	1	1	*	*	*	*
Other	*	*	1	1	1	1	1	2
Total	2	5	2	2	2	2	2	3
Carbon Dioxide								
Petroleum	186	146	234	165	128	165	193	117
Natural Gas	409	2,021	3,194	2,917	2,272	1,942	2,409	2,395
Total	595	2,167	3,428	3,082	2,400	2,106	2,602	2,513

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1990, 1995, and 2001 Through 2006

Sector	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Rhode Island										
Retail Sales (thousand megawatthours)										
Residential	2,376	2,472	2,699	2,829	2,998	3,000	3,171	3,008	37.0	38.6
Commercial	2,492	2,625	3,240	3,316	3,490	3,542	3,628	3,599	38.8	46.2
Industrial	1,354	1,374	1,386	1,331	1,309	1,345	1,250	1,191	21.1	15.3
Other	196	165	68	85	NA	NA	NA	NA	3.1	NA
All Sectors	6,419	6,636	7,393	7,561	7,797	7,888	8,049	7,799	100.0	100.0
Retail Revenue (million dollars)										
Residential	234	283	327	289	348	366	413	455	39.8	41.7
Commercial	223	265	374	287	352	373	425	486	37.9	44.6
Industrial	113	122	130	106	116	126	125	149	19.2	13.7
Other	18	19	16	14	NA	NA	NA	NA	3.0	NA
All Sectors	587	689	847	696	816	865	963	1,090	100.0	100.0
Average Retail Prices (cents/KWh)										
Residential	9.84	11.47	12.13	10.20	11.61	12.19	13.04	15.12	NA	NA
Commercial	8.93	10.08	11.54	8.65	10.09	10.53	11.71	13.51	NA	NA
Industrial	8.35	8.87	9.36	7.96	8.88	9.37	10.01	12.51	NA	NA
Other	9.06	11.44	22.86	16.46	NA	NA	NA	NA	NA	NA
All Sectors	9.15	10.38	11.45	9.20	10.47	10.96	11.97	13.98	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2006

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Rhode Island								
Number of Entities	2	1	NA	NA	NA	6	1	10
Number of Retail Customers	477,056	4,512	NA	NA	NA	3,218	NA	484,786
Retail Sales (thousand megawatthours)	6,719	52	NA	NA	NA	1,029	NA	7,799
Percentage of Retail Sales	86.15	0.66	NA	NA	NA	13.19	NA	100.00
Revenue from Retail Sales (million dollars)	957	7	NA	NA	NA	85	42	1,090
Percentage of Revenue	87.80	0.62	NA	NA	NA	7.76	3.82	100.00
Average Retail Price (cents/kWh)	14.24	13.16	NA	NA	NA	8.22	4.04	13.98

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 services. 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.

Table 10. Supply and Disposition of Electricity, 1990, 1995, and 2001 Through 2006
(Million Kilowatthours)

Category	1990	1995	2001	2002	2003	2004	2005	2006
Rhode Island								
Supply								
Generation								
Electric Utilities	592	653	-	12	12	12	11	11
Independent Power Producers	50	3,310	6,990	6,927	5,557	4,891	5,957	5,875
Combined Heat and Power, Electric	422	447	459	71	9	-	18	18
Electric Power Sector Generation Subtotal	**1,064**	**4,410**	**7,449**	**7,010**	**5,578**	**4,904**	**5,987**	**5,904**
Combined Heat and Power, Commercial	43	57	50	47	43	33	65	62
Combined Heat and Power, Industrial	-	21	2	*	*	2	2	1
Industrial and Commercial Generation Subtotal	**43**	**78**	**52**	**47**	**43**	**36**	**67**	**64**
Total Net Generation	**1,107**	**4,488**	**7,502**	**7,057**	**5,621**	**4,939**	**6,053**	**5,968**
Total International Imports	**37**	**1,276**	**766**	**326**	**144**	**322**	**407**	**410**
Total Supply	**1,144**	**5,764**	**8,268**	**7,382**	**5,765**	**5,261**	**6,460**	**6,378**
Disposition								
Retail Sales								
Full Service Providers	6,419	6,636	6,448	6,633	7,097	7,043	7,160	6,771
Energy-Only Providers	-	-	945	928	700	844	889	1,029
Total Electric Industry Retail Sales	**6,419**	**6,636**	**7,393**	**7,561**	**7,797**	**7,888**	**8,049**	**7,799**
Direct Use	**53**	**94**	**63**	**64**	**65**	**65**	**69**	**66**
Total International Exports	**-**	**-**	**-**	**-**	**38**	**20**	**60**	**89**
Estimated Losses	**481**	**504**	**399**	**502**	**449**	**490**	**533**	**526**
Total Disposition	**6,953**	**7,234**	**7,854**	**8,127**	**8,349**	**8,463**	**8,711**	**8,481**
Net Interstate Trade	**-5,809**	**-1,469**	**413**	**-744**	**-2,584**	**-3,202**	**-2,251**	**-2,102**
Net Trade Index (ratio)	**0.16**	**0.80**	**1.05**	**0.91**	**0.69**	**0.62**	**0.74**	**0.75**

R = Revised.
NA = Not applicable; NM = Not meaningful.
W = Withheld to avoid disclosure of individual company data.
- = Data not available.
* = 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 10 Notes: Estimated Losses are reported at the utility level, and then allocated to States based on the utility's retail sales by State. Reported losses may include electricity unaccounted for by the utility. Net Interstate Trade represents the difference between the amount of electricity produced in the State and consumed in the State. Positive values indicate a State that is a net interstate exporter of electricity; negative values indicate a State that is a net interstate importer of electricity. The Net Trade Index represents a State's electricity self-sufficiency. Values greater than 1 indicate that, on an annual net basis, the State supplied electricity consumed outside the State; values less than 1 indicate that, on an annual net basis, the State consumed electricity produced outside the State.
General Notes: Table 4 "Other Renewables" includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. The "Other" category includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. However, Table 5 "Other Renewables" includes only biogenic municipal solid waste, in addition to wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. In Table 5 "Other" includes Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. In Table 7, "Other Renewables" emissions include biogenic municipal solid waste, and other renewable 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.

Table 1. 2006 Summary Statistics

Item	Value	U.S. Rank
South Carolina		
NERC Region(s)		**SERC**
Primary Energy Source		**Nuclear**
Net Summer Capacity (megawatts)	**22,782**	**16**
Electric Utilities	21,019	10
Independent Power Producers & Combined Heat and Power	1,764	35
Net Generation (megawatthours)	**99,267,606**	**15**
Electric Utilities	95,872,763	9
Independent Power Producers & Combined Heat and Power	3,394,843	39
Emissions (thousand metric tons)		
Sulfur Dioxide	219	16
Nitrogen Oxide	49	32
Carbon Dioxide	40,847	24
Sulfur Dioxide (lbs/MWh)	4.9	20
Nitrogen Oxide (lbs/MWh)	1.1	41
Carbon Dioxide (lbs/MWh)	907	41
Total Retail Sales (megawatthours)	**80,877,321**	**18**
Full Service Provider Sales (megawatthours)	80,877,321	18
Direct Use (megawatthours)	**1,619,838**	**21**
Average Retail Price (cents/kWh)	**6.98**	**34**

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capacity, 2006

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
South Carolina			
1. Oconee	Nuclear	Duke Energy Carolinas, LLC	2,538
2. Catawba	Nuclear	Duke Energy Carolinas, LLC	2,258
3. Bad Creek	Pumped Storage	Duke Energy Carolinas, LLC	1,360
4. Cross	Coal	South Carolina Pub Serv Auth	1,160
5. Winyah	Coal	South Carolina Pub Serv Auth	1,155
6. V C Summer	Nuclear	South Carolina Electric&Gas Co	966
7. John S Rainey	Gas	South Carolina Pub Serv Auth	958
8. H B Robinson	Nuclear	Progress Energy Carolinas Inc	905
9. Broad River Energy Center	Gas	Calpine Operating Services Company Inc	841
10. Jasper	Gas	South Carolina Electric&Gas Co	795

See footnotes at end of tables.

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2006
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
South Carolina						
1. Duke Energy Carolinas, LLC	Investor-Owned	21,685,649	6,089,242	5,551,117	10,045,290	-
2. South Carolina Electric & Gas Co	Investor-Owned	21,580,435	7,598,169	7,799,530	6,182,736	-
3. South Carolina Pub Serv Auth	Public	11,616,626	1,616,868	1,951,064	8,048,694	-
4. Progress Energy Carolinas Inc	Investor-Owned	7,066,596	2,112,581	1,823,697	3,130,318	-
5. Berkeley Electric Coop Inc	Cooperative	1,511,169	1,133,270	201,499	176,400	-
Total Sales, Top Five Providers		63,460,475	18,550,130	17,326,907	27,583,438	-
Percent of Total State Sales		78	65	83	88	-

See footnotes at end of tables.

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatts)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
South Carolina										
Electric Utilities	**14,908**	**16,701**	**18,246**	**19,101**	**19,402**	**20,406**	**20,787**	**21,019**	**97.5**	**92.3**
Coal	4,818	5,352	6,077	5,925	5,925	5,968	5,968	5,984	31.5	26.3
Petroleum	897[R]	1,192[R]	955	955	970	684	689	682	5.9	3.0
Natural Gas	301[R]	345[R]	1,279	2,150	2,437	3,712	3,708	3,923	2.0	17.2
Other Gases	364	-	-	-	-	-	-	-	2.4	-
Nuclear	6,346	6,364	6,445	6,492	6,472	6,472	6,472	6,472	41.5	28.4
Hydroelectric	1,031	1,262	1,271	1,360	1,360	1,316	1,324	1,321	6.7	5.8
Other Renewables	-	-	-	-	3	3	9	20	-	0.1
Pumped Storage	1,152	2,187	2,219	2,219	2,235	2,251	2,616	2,616	7.5	11.5
Independent Power Producers and Combined Heat and Power	**375**	**405**	**1,181**	**1,262**	**1,257**	**1,790**	**1,765**	**1,764**	**2.5**	**7.7**
Coal	158	131	103	103	103	103	103	103	1.0	0.5
Petroleum	1	1	3	3	3	3	3	3	*	*
Natural Gas	5	5	819	901	895	1,430	1,408	1,404	*	6.2
Hydroelectric	18	18	24	24	24	24	24	24	0.1	0.1
Other Renewables	193	250	232	232	232	230	227	230	1.3	1.0
Total Electric Industry	**15,283**	**17,106**	**19,427**	**20,363**	**20,659**	**22,196**	**22,551**	**22,782**	**100.0**	**100.0**
Coal	4,976	5,483	6,180	6,028	6,028	6,072	6,072	6,088	32.6	26.7
Petroleum	898[R]	1,193[R]	958	958	972	686	692	685	5.9	3.0
Natural Gas	306[R]	349[R]	2,098	3,051	3,332	5,143	5,116	5,327	2.0	23.4
Other Gases	364	-	-	-	-	-	-	-	2.4	-
Nuclear	6,346	6,364	6,445	6,492	6,472	6,472	6,472	6,472	41.5	28.4
Hydroelectric	1,049	1,280	1,295	1,384	1,384	1,340	1,348	1,345	6.9	5.9
Other Renewables	193	250	232	232	235	233	236	250	1.3	1.1
Pumped Storage	1,152	2,187	2,219	2,219	2,235	2,251	2,616	2,616	7.5	11.5

See footnotes at end of tables.

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatthours)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
South Carolina										
Electric Utilities	**69,259,815**	**78,439,814**	**86,734,778**	**93,689,257**	**91,544,429**	**94,406,828**	**99,104,373**	**95,872,763**	**97.1**	**96.6**
Coal	22,874,805	25,801,600	36,302,690	36,490,769	37,065,509	38,516,633	39,352,428	39,140,908	32.1	39.4
Petroleum	71,997	129,854	225,008	205,664	289,474	690,071	484,181	135,522	0.1	0.1
Natural Gas	703,435	600,385	193,612	3,466,140	1,365,534	2,527,103	4,153,040	4,742,493	1.0	4.8
Nuclear	42,880,669	49,173,476	49,869,998	53,325,854	50,417,690	51,200,640	53,137,554	50,797,372	60.1	51.2
Hydroelectric	3,235,298	3,392,394	1,179,192	1,328,524	3,590,944	2,382,225	2,858,778	1,766,438	4.5	1.8
Other Renewables	-	-	-	15,522	22,091	239,246	317,067	409,929	-	0.4
Pumped Storage	-506,389	-657,895	-1,035,722	-1,143,216	-1,206,813	-1,149,090	-1,198,675	-1,119,899	-0.7	-1.1
Independent Power Producers and Combined Heat and Power	**2,103,359**	**2,473,834**	**2,424,209**	**2,874,241**	**2,228,249**	**3,533,101**	**3,410,292**	**3,394,843**	**2.9**	**3.4**
Coal	537,062	535,590	396,314	456,953	366,514	403,291	324,368	350,526	0.8	0.4
Petroleum	100,578	127,586	83,097	94,673	167,397	220,007	188,622	162,165	0.1	0.2
Natural Gas	84,100	89,497	982,502	1,032,179	297,248	1,267,986	1,259,512	1,325,925	0.1	1.3
Other Gases	-	9,254	198	314	73	9	-	-	-	-
Hydroelectric	62,768	64,749	46,251	61,227	74,482	64,684	79,369	40,510	0.1	*
Other Renewables	1,318,851	1,647,158	894,154	1,228,895	1,273,858	1,488,665	1,468,149	1,426,945	1.8	1.4
Other	-	-	21,693	-	48,677	88,459	90,273	88,771	-	0.1
Total Electric Industry	**71,363,174**	**80,913,648**	**89,158,987**	**96,563,498**	**93,772,678**	**97,939,929**	**102,514,665**	**99,267,606**	**100.0**	**100.0**
Coal	23,411,867	26,337,190	36,699,004	36,947,722	37,432,023	38,919,924	39,676,796	39,491,434	32.8	39.8
Petroleum	172,575	257,440	308,105	300,337	456,871	910,078	672,803	297,687	0.2	0.3
Natural Gas	787,535	689,882	1,176,114	4,498,319	1,662,782	3,795,089	5,412,552	6,068,418	1.1	6.1
Other Gases	-	9,254	198	314	73	9	-	-	-	-
Nuclear	42,880,669	49,173,476	49,869,998	53,325,854	50,417,690	51,200,640	53,137,554	50,797,372	60.1	51.2
Hydroelectric	3,298,066	3,457,143	1,225,443	1,389,751	3,665,426	2,446,909	2,938,147	1,806,948	4.6	1.8
Other Renewables	1,318,851	1,647,158	894,154	1,244,417	1,295,949	1,727,911	1,785,216	1,836,874	1.8	1.9
Pumped Storage	-506,389	-657,895	-1,035,722	-1,143,216	-1,206,813	-1,149,090	-1,198,675	-1,119,899	-0.7	-1.1
Other	-	-	21,693	-	48,677	88,459	90,273	88,771	-	0.1

See footnotes at end of tables.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1990, 1995, and 2001 Through 2006

Fuel, Quality	1990	1995	2001	2002	2003	2004	2005	2006
South Carolina								
Coal (cents per million Btu)	172	151	157	W	W	W	W	W
Average heat value (Btu per pound)	12,655	12,852	12,570	12,698	12,669	12,565	12,617	12,584
Average sulfur Content (percent)	1.19	1.19	1.15	1.16	1.10	1.24	1.24	1.29
Petroleum (cents per million Btu)	622	411	585	W	W	W	W	W
Average heat value (Btu per gallon)	138,031	138,040	143,095	145,331	144,988	138,905	143,257	138,717
Average sulfur Content (percent)	0.21	0.21	0.21	1.23	1.69	3.67	2.42	2.89
Natural Gas (cents per million Btu)	172	160	257	W	W	W	W	787
Average heat value (Btu per cubic foot)	1,023	1,024	1,030	1,034	1,031	1,035	1,033	1,033

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1990, 1995, and 2001 Through 2006
(Thousand Metric Tons)

Emission Type	1990	1995	2001	2002	2003	2004	2005	2006
South Carolina								
Sulfur Dioxide								
Coal	165	198	197	191	197	207	206	206
Petroleum	6	*	3	3	3	5	4	4
Natural Gas	*	*	*	*	*	*	*	*
Other	9	11	7	7	8	9	9	9
Total	181	209	206	201	208	221	218	219
Nitrogen Oxide								
Coal	88	94	78	77	72	60	47	44
Petroleum	1	1	1	1	1	1	1	1
Natural Gas	1	1	*	1	1	1	1	1
Other	3	3	4	4	3	3	3	3
Total	93	99	83	84	76	65	51	49
Carbon Dioxide								
Coal	22,533	25,200	34,395	33,993	35,033	36,930	37,313	37,365
Petroleum	275	332	423	486	656	1,066	795	407
Natural Gas	502	492	647	2,074	754	1,729	2,477	2,779
Other Renewables	90	96	91	-	179	249	283	296
Total	23,400	26,120	35,556	36,553	36,622	39,975	40,867	40,847

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1990, 1995, and 2001 Through 2006

Sector	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
South Carolina										
Retail Sales (thousand megawatthours)										
Residential	18,258	21,392	24,875	26,787	26,422	27,910	28,676	28,539	32.8	35.3
Commercial	11,927	14,020	17,484	18,157	19,336	20,113	20,498	20,923	21.4	25.9
Industrial	24,701	28,819	31,528	31,926	31,296	31,886	32,080	31,416	44.4	38.8
Other	766	843	946	950	NA	NA	NA	NA	1.4	NA
All Sectors	55,652	65,074	74,832	77,819	77,054	79,908	81,254	80,877	100.0	100.0
Retail Revenue (million dollars)										
Residential	1,305	1,611	1,912	2,069	2,117	2,267	2,487	2,576	41.9	45.6
Commercial	734	890	1,127	1,177	1,316	1,390	1,515	1,591	23.6	28.2
Industrial	1,032	1,153	1,218	1,229	1,251	1,315	1,460	1,481	33.1	26.2
Other	42	49	60	61	NA	NA	NA	NA	1.4	NA
All Sectors	3,113	3,703	4,317	4,537	4,684	4,972	5,462	5,648	100.0	100.0
Average Retail Prices (cents/KWh)										
Residential	7.15	7.53	7.69	7.72	8.01	8.12	8.67	9.03	NA	NA
Commercial	6.15	6.35	6.45	6.48	6.81	6.91	7.39	7.60	NA	NA
Industrial	4.18	4.00	3.86	3.85	4.00	4.13	4.55	4.71	NA	NA
Other	5.53	5.87	6.39	6.44	NA	NA	NA	NA	NA	NA
All Sectors	5.59	5.69	5.77	5.83	6.08	6.22	6.72	6.98	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2006

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
South Carolina								
Number of Entities	4	22	NA	21	NA	NA	NA	47
Number of Retail Customers	1,312,725	329,290	NA	681,776	NA	NA	NA	2,323,791
Retail Sales (thousand megawatthours)	50,547	15,702	NA	14,629	NA	NA	NA	80,877
Percentage of Retail Sales	62.50	19.41	NA	18.09	NA	NA	NA	100.00
Revenue from Retail Sales (million dollars)	3,407	968	NA	1,273	NA	NA	NA	5,648
Percentage of Revenue	60.33	17.13	NA	22.54	NA	NA	NA	100.00
Average Retail Price (cents/kWh)	6.74	6.16	NA	8.70	NA	NA	NA	6.98

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 services. 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.

Table 10. Supply and Disposition of Electricity, 1990, 1995, and 2001 Through 2006
(Million Kilowatthours)

Category	1990	1995	2001	2002	2003	2004	2005	2006
South Carolina								
Supply								
Generation								
Electric Utilities	69,260	78,440	86,735	93,689	91,544	94,407	99,104	95,873
Independent Power Producers	60	61	497	633	278	486	735	730
Combined Heat and Power, Electric	-	-	509	416	100	855	595	623
Electric Power Sector Generation Subtotal	**69,320**	**78,501**	**87,741**	**94,738**	**91,923**	**95,747**	**100,435**	**97,225**
Combined Heat and Power, Commercial	67	77	54	2	56	87	82	84
Combined Heat and Power, Industrial	1,976	2,335	1,364	1,823	1,794	2,106	1,998	1,958
Industrial and Commercial Generation Subtotal	**2,043**	**2,412**	**1,418**	**1,826**	**1,850**	**2,193**	**2,080**	**2,042**
Total Net Generation	**71,363**	**80,914**	**89,159**	**96,563**	**93,773**	**97,940**	**102,515**	**99,268**
Total Supply	**71,363**	**80,914**	**89,159**	**96,563**	**93,773**	**97,940**	**102,515**	**99,268**
Disposition								
Retail Sales								
Full Service Providers	55,652	65,074	74,832	77,819	77,054	79,908	81,254	80,877
Total Electric Industry Retail Sales	**55,652**	**65,074**	**74,832**	**77,819**	**77,054**	**79,908**	**81,254**	**80,877**
Direct Use	**1,787**	**2,103**	**1,973**	**2,016**	**2,042**	**2,044**	**1,599**	**1,620**
Estimated Losses	**4,173**	**4,940**	**2,976**	**4,675**	**4,203**	**4,889**	**5,659**	**5,469**
Total Disposition	**61,612**	**72,118**	**79,782**	**84,511**	**83,299**	**86,842**	**88,512**	**87,966**
Net Interstate Trade	**9,752**	**8,796**	**9,377**	**12,053**	**10,473**	**11,098**	**14,003**	**11,302**
Net Trade Index (ratio)	**1.16**	**1.12**	**1.12**	**1.14**	**1.13**	**1.13**	**1.16**	**1.13**

R = Revised.
NA = Not applicable; NM = Not meaningful.
W = Withheld to avoid disclosure of individual company data.
- = Data not available.
* = 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 10 Notes: Estimated Losses are reported at the utility level, and then allocated to States based on the utility's retail sales by State. Reported losses may include electricity unaccounted for by the utility. Net Interstate Trade represents the difference between the amount of electricity produced in the State and consumed in the State. Positive values indicate a State that is a net interstate exporter of electricity; negative values indicate a State that is a net interstate importer of electricity. The Net Trade Index represents a State's electricity self-sufficiency. Values greater than 1 indicate that, on an annual net basis, the State supplied electricity consumed outside the State; values less than 1 indicate that, on an annual net basis, the State consumed electricity produced outside the State.
General Notes: Table 4 "Other Renewables" includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. The "Other" category includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. However, Table 5 "Other Renewables" includes only biogenic municipal solid waste, in addition to wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. In Table 5 "Other" includes Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. In Table 7, "Other Renewables" emissions include biogenic municipal solid waste, and other renewable 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.

Table 1. 2006 Summary Statistics

Item	Value	U.S. Rank
South Dakota		
NERC Region(s)		**MRO/WECC**
Primary Energy Source		**Hydroelectric**
Net Summer Capacity (megawatts)	**2,933**	**46**
Electric Utilities	2,889	36
Independent Power Producers & Combined Heat and Power	44	50
Net Generation (megawatthours)	**7,132,243**	**47**
Electric Utilities	6,989,062	38
Independent Power Producers & Combined Heat and Power	143,181	49
Emissions (thousand metric tons)		
Sulfur Dioxide	12	42
Nitrogen Oxide	14	42
Carbon Dioxide	3,526	47
Sulfur Dioxide (lbs/MWh)	3.6	27
Nitrogen Oxide (lbs/MWh)	4.3	5
Carbon Dioxide (lbs/MWh)	1,090	39
Total Retail Sales (megawatthours)	**10,056,387**	**48**
Full Service Provider Sales (megawatthours)	10,056,387	44
Direct Use (megawatthours)	**-**	**50**
Average Retail Price (cents/kWh)	**6.70**	**40**

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capacity, 2006

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
South Dakota			
1. Oahe	Hydroelectric	USCE-Missouri River District	640
2. Big Bend	Hydroelectric	USCE-Missouri River District	520
3. Big Stone	Coal	Otter Tail Power Co	471
4. Angus Anson	Gas	Northern States Power Co	384
5. Fort Randall	Hydroelectric	USCE-Missouri River District	356
6. Spirit Mound	Petroleum	Basin Electric Power Coop	100
7. Ben French	Coal	Black Hills Power Inc	100
8. Groton Generating Station	Gas	Basin Electric Power Coop	96
9. Huron	Gas	NorthWestern Energy	55
10. Watertown Power Plant	Petroleum	Missouri Basin Muni Power Agny	52

See footnotes at end of tables.

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2006
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
South Dakota						
1. Northern States Power Co	Investor-Owned	1,847,003	613,421	895,233	338,349	-
2. Black Hills Power Inc	Investor-Owned	1,455,456	479,628	676,900	298,928	-
3. NorthWestern Energy	Investor-Owned	1,269,343	473,718	590,331	205,294	-
4. Sioux Valley Energy	Cooperative	476,152	231,894	112,674	131,584	-
5. Otter Tail Power Co	Investor-Owned	365,025	108,784	256,241	-	-
Total Sales, Top Five Providers		5,412,979	1,907,445	2,531,379	974,155	-
Percent of Total State Sales		54	47	62	50	-

See footnotes at end of tables.

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatts)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
South Dakota										
Electric Utilities	**2,708**	**2,950**	**2,814**	**2,854**	**2,650**	**2,618**	**2,759**	**2,889**	**100.0**	**98.5**
Coal	495	475	477	477	476	477	482	492	18.3	16.8
Petroleum	298[R]	291[R]	296	238	237	228	221	229	11.0	7.8
Natural Gas	93[R]	363[R]	360	459	385	385	553	649	3.5	22.1
Hydroelectric	1,821	1,820	1,678	1,678	1,549	1,526	1,500	1,516	67.2	51.7
Other Renewables	-	-	3	3	3	3	3	3	-	0.1
Independent Power Producers and Combined Heat and Power	**-**	**-**	**-**	**-**	**41**	**41**	**44**	**44**	**-**	**1.5**
Petroleum	-	-	-	-	-	-	3	3	-	0.1
Other Renewables	-	-	-	-	41	41	41	41	-	1.4
Total Electric Industry	**2,708**	**2,950**	**2,814**	**2,854**	**2,690**	**2,659**	**2,802**	**2,933**	**100.0**	**100.0**
Coal	495	475	477	477	476	477	482	492	18.3	16.8
Petroleum	298[R]	291[R]	296	238	237	228	224	232	11.0	7.9
Natural Gas	93[R]	363[R]	360	459	385	385	553	649	3.5	22.1
Hydroelectric	1,821	1,820	1,678	1,678	1,549	1,526	1,500	1,516	67.2	51.7
Other Renewables	-	-	3	3	43	43	43	43	-	1.5

See footnotes at end of tables.

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatthours)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
South Dakota										
Electric Utilities	**6,427,473**	**8,811,793**	**7,400,743**	**7,721,958**	**7,904,755**	**7,357,617**	**6,368,442**	**6,989,062**	**100.0**	**98.0**
Coal	2,472,514	2,721,295	3,611,680	3,271,523	3,431,203	3,620,001	2,996,347	3,315,911	38.5	46.5
Petroleum	8,149	17,488	51,524	4,961	16,058	22,771	20,785	4,660	0.1	0.1
Natural Gas	12,408	63,139	304,803	85,778	176,024	112,255	270,946	265,817	0.2	3.7
Hydroelectric	3,934,402	6,009,871	3,431,865	4,353,653	4,276,303	3,597,509	3,074,566	3,396,833	61.2	47.6
Other Renewables	-	-	871	6,043	5,167	5,081	5,777	5,784	-	0.1
Other	-	-	-	-	-	-	21	57	-	*
Independent Power Producers and Combined Heat and Power	-	-	-	-	**39,082**	**152,597**	**152,327**	**143,181**	-	**2.0**
Other Renewables	-	-	-	-	39,082	152,597	152,327	143,181	-	2.0
Total Electric Industry	**6,427,473**	**8,811,793**	**7,400,743**	**7,721,958**	**7,943,837**	**7,510,214**	**6,520,769**	**7,132,243**	**100.0**	**100.0**
Coal	2,472,514	2,721,295	3,611,680	3,271,523	3,431,203	3,620,001	2,996,347	3,315,911	38.5	46.5
Petroleum	8,149	17,488	51,524	4,961	16,058	22,771	20,785	4,660	0.1	0.1
Natural Gas	12,408	63,139	304,803	85,778	176,024	112,255	270,946	265,817	0.2	3.7
Hydroelectric	3,934,402	6,009,871	3,431,865	4,353,653	4,276,303	3,597,509	3,074,566	3,396,833	61.2	47.6
Other Renewables	-	-	871	6,043	44,249	157,678	158,104	148,965	-	2.1
Other	-	-	-	-	-	-	21	57	-	*

See footnotes at end of tables.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1990, 1995, and 2001 Through 2006

Fuel, Quality	1990	1995	2001	2002	2003	2004	2005	2006
South Dakota								
Coal (cents per million Btu)	115	103	103	130	134	139	142	151
Average heat value (Btu per pound)	6,096	6,972	8,540	8,550	8,560	8,523	8,711	8,534
Average sulfur Content (percent)	0.90	0.87	0.33	0.37	0.33	0.34	0.31	0.32
Petroleum (cents per million Btu)	565	-	-	-	804	822	1,245	1,546
Average heat value (Btu per gallon)	140,000	-	-	-	138,210	138,536	139,083	138,988
Average sulfur Content (percent)	0.31	-	-	-	0.22	0.18	0.22	0.25
Natural Gas (cents per million Btu)	-	158	-	-	-	-	-	-
Average heat value (Btu per cubic foot)	-	1,002	-	-	-	-	-	-

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1990, 1995, and 2001 Through 2006
(Thousand Metric Tons)

Emission Type	1990	1995	2001	2002	2003	2004	2005	2006
South Dakota								
Sulfur Dioxide								
Coal	28	25	13	23	11	13	10	11
Petroleum	*	*	*	*	*	*	*	*
Natural Gas	-	-	*	-	*	-	-	-
Other	-	*	-	1	*	1	1	1
Total	28	25	13	24	12	14	10	12
Nitrogen Oxide								
Coal	9	8	15	24	15	16	13	13
Petroleum	*	*	*	*	*	*	*	*
Natural Gas	*	*	*	*	*	*	*	*
Other	-	*	-	*	*	*	*	*
Total	9	9	16	25	15	16	13	14
Carbon Dioxide								
Coal	2,710	2,853	3,608	3,321	3,518	3,770	3,088	3,340
Petroleum	14	20	45	8	18	24	22	8
Natural Gas	13	49	244	66	115	87	190	178
Other Renewables	-	-	-	-	-	-	*	*
Total	2,736	2,922	3,898	3,394	3,651	3,881	3,300	3,526

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1990, 1995, and 2001 Through 2006

Sector	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
South Dakota										
Retail Sales (thousand megawatthours)										
Residential	2,866	3,268	3,580	3,733	3,740	3,696	3,973	4,051	45.3	40.3
Commercial	1,450	2,088	2,915	3,062	3,713	3,627	3,998	4,054	22.9	40.3
Industrial	1,657	1,722	1,666	1,604	1,627	1,891	1,840	1,952	26.2	19.4
Other	361	335	465	538	NA	NA	NA	NA	5.7	NA
All Sectors	6,334	7,414	8,627	8,937	9,080	9,214	9,811	10,056	100.0	100.0
Retail Revenue (million dollars)										
Residential	199	231	266	276	280	283	309	317	51.3	47.1
Commercial	97	137	191	191	224	224	248	262	25.0	38.9
Industrial	77	76	74	73	73	87	91	94	19.9	14.0
Other	15	15	17	20	NA	NA	NA	NA	3.8	NA
All Sectors	388	460	548	560	577	594	648	674	100.0	100.0
Average Retail Prices (cents/KWh)										
Residential	6.95	7.08	7.42	7.40	7.47	7.65	7.77	7.83	NA	NA
Commercial	6.68	6.55	6.55	6.24	6.04	6.18	6.20	6.47	NA	NA
Industrial	4.66	4.43	4.46	4.54	4.51	4.59	4.95	4.84	NA	NA
Other	4.11	4.58	3.71	3.63	NA	NA	NA	NA	NA	NA
All Sectors	6.13	6.20	6.35	6.26	6.35	6.44	6.60	6.70	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2006

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
South Dakota								
Number of Entities	6	35	1	30	NA	NA	NA	72
Number of Retail Customers	221,069	57,407	21	140,999	NA	NA	NA	419,496
Retail Sales (thousand megawatthours)	5,265	1,413	316	3,061	NA	NA	NA	10,056
Percentage of Retail Sales	52.36	14.05	3.15	30.44	NA	NA	NA	100.00
Revenue from Retail Sales (million dollars)	378	77	6	213	NA	NA	NA	674
Percentage of Revenue	56.07	11.47	0.87	31.60	NA	NA	NA	100.00
Average Retail Price (cents/kWh)	7.18	5.47	1.84	6.96	NA	NA	NA	6.70

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 services. 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.

Table 10. Supply and Disposition of Electricity, 1990, 1995, and 2001 Through 2006
(Million Kilowatthours)

Category	1990	1995	2001	2002	2003	2004	2005	2006
South Dakota								
Supply								
Generation								
Electric Utilities	6,427	8,812	7,401	7,722	7,905	7,358	6,368	6,989
Independent Power Producers	-	-	-	-	39	153	152	143
Electric Power Sector Generation Subtotal	**6,427**	**8,812**	**7,401**	**7,722**	**7,944**	**7,510**	**6,521**	**7,132**
Total Net Generation	**6,427**	**8,812**	**7,401**	**7,722**	**7,944**	**7,510**	**6,521**	**7,132**
Total International Imports	**-**	**-**	*****	*****	**-**	**-**	**-**	**-**
Total Supply	**6,427**	**8,812**	**7,401**	**7,722**	**7,944**	**7,510**	**6,521**	**7,132**
Disposition								
Retail Sales								
Full Service Providers	6,334	7,414	8,627	8,937	9,080	9,214	9,811	10,056
Total Electric Industry Retail Sales	**6,334**	**7,414**	**8,627**	**8,937**	**9,080**	**9,214**	**9,811**	**10,056**
Total International Exports	**-**	**-**	**-**	**-**	**-**	**1**	*****	**-**
Estimated Losses	**475**	**563**	**553**	**858**	**947**	**1,094**	**908**	**872**
Total Disposition	**6,809**	**7,976**	**9,180**	**9,795**	**10,027**	**10,308**	**10,719**	**10,928**
Net Interstate Trade	**-381**	**835**	**-1,779**	**-2,073**	**-2,083**	**-2,798**	**-4,198**	**-3,796**
Net Trade Index (ratio)	**0.94**	**1.10**	**0.81**	**0.79**	**0.79**	**0.73**	**0.61**	**0.65**

R = Revised.
NA = Not applicable; NM = Not meaningful.
W = Withheld to avoid disclosure of individual company data.
- = Data not available.
* = 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 10 Notes: Estimated Losses are reported at the utility level, and then allocated to States based on the utility's retail sales by State. Reported losses may include electricity unaccounted for by the utility. Net Interstate Trade represents the difference between the amount of electricity produced in the State and consumed in the State. Positive values indicate a State that is a net interstate exporter of electricity; negative values indicate a State that is a net interstate importer of electricity. The Net Trade Index represents a State's electricity self-sufficiency. Values greater than 1 indicate that, on an annual net basis, the State supplied electricity consumed outside the State; values less than 1 indicate that, on an annual net basis, the State consumed electricity produced outside the State.
General Notes: Table 4 "Other Renewables" includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. The "Other" category includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. However, Table 5 "Other Renewables" includes only biogenic municipal solid waste, in addition to wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. In Table 5 "Other" includes Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. In Table 7, "Other Renewables" emissions include biogenic municipal solid waste, and other renewable 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.

Table 1. 2006 Summary Statistics

Item	Value	U.S. Rank
Tennessee		
NERC Region(s)		**SERC**
Primary Energy Source		**Coal**
Net Summer Capacity (megawatts)	**20,905**	**18**
Electric Utilities	19,768	12
Independent Power Producers & Combined Heat and Power	1,137	38
Net Generation (megawatthours)	**93,911,102**	**17**
Electric Utilities	90,960,035	13
Independent Power Producers & Combined Heat and Power	2,951,067	40
Emissions (thousand metric tons)		
Sulfur Dioxide	270	14
Nitrogen Oxide	100	14
Carbon Dioxide	61,380	14
Sulfur Dioxide (lbs/MWh)	6.3	16
Nitrogen Oxide (lbs/MWh)	2.3	24
Carbon Dioxide (lbs/MWh)	1,441	23
Total Retail Sales (megawatthours)	**103,931,744**	**13**
Full Service Provider Sales (megawatthours)	103,931,744	11
Direct Use (megawatthours)	**2,376,179**	**13**
Average Retail Price (cents/kWh)	**6.97**	**36**

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capacity, 2006

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
Tennessee			
1. Cumberland	Coal	Tennessee Valley Authority	2,462
2. Johnsonville	Coal	Tennessee Valley Authority	2,335
3. Sequoyah	Nuclear	Tennessee Valley Authority	2,277
4. Raccoon Mountain	Pumped Storage	Tennessee Valley Authority	1,635
5. Gallatin	Coal	Tennessee Valley Authority	1,563
6. Kingston	Coal	Tennessee Valley Authority	1,411
7. Allen Steam Plant	Coal	Tennessee Valley Authority	1,197
8. Watts Bar Nuclear Plant	Nuclear	Tennessee Valley Authority	1,121
9. Lagoon Creek	Gas	Tennessee Valley Authority	941
10. Bull Run	Coal	Tennessee Valley Authority	885

See footnotes at end of tables.

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2006
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
Tennessee						
1. Memphis City of	Public	14,862,652	5,675,662	5,045,371	4,140,188	1,431
2. Nashville Electric Service	Public	12,353,971	4,666,565	4,481,987	3,205,419	-
3. Tennessee Valley Authority	Federal	9,004,270	-	-	9,004,270	-
4. Knoxville Utilities Board	Public	5,737,783	2,435,200	1,859,243	1,443,340	-
5. Chattanooga City of	Public	5,715,089	2,103,938	1,882,545	1,728,606	-
Total Sales, Top Five Providers		47,673,765	14,881,365	13,269,146	19,521,823	1,431
Percent of Total State Sales		46	36	46	57	100

See footnotes at end of tables.

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatts)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Tennessee										
Electric Utilities	**16,996**	**16,144**	**18,600**	**19,137**	**19,235**	**19,239**	**19,120**	**19,768**	**97.8**	**94.6**
Coal	9,289	8,615	8,618	8,602	8,609	8,623	8,618	8,585	53.4	41.1
Petroleum	1,152[R]	1,096[R]	836	56	56	56	58	58	6.6	0.3
Natural Gas	516[R]	472[R]	1,960	3,116	3,128	3,137	3,032	3,659	3.0	17.5
Nuclear	2,296	2,217	3,367	3,389	3,398	3,398	3,398	3,398	13.2	16.3
Hydroelectric	2,211	2,212	2,239	2,348	2,389	2,429	2,415	2,429	12.7	11.6
Other Renewables	-	-	2	2	2	-	2	4	-	*
Pumped Storage	1,532	1,532	1,578	1,624	1,652	1,597	1,597	1,635	8.8	7.8
Independent Power Producers and Combined Heat and Power	**387**	**614**	**1,559**	**1,587**	**1,659**	**1,702**	**1,629**	**1,137**	**2.2**	**5.4**
Coal	314	332	295	276	276	276	256	256	1.8	1.2
Natural Gas	24	28	1,026	1,034	1,106	1,106	1,034	494	0.1	2.4
Hydroelectric	-	170	165	165	165	179	193	209	-	1.0
Other Renewables	11	46	74	112	112	141	146	179	0.1	0.9
Other	38	38	-	-	-	-	-	-	0.2	-
Total Electric Industry	**17,383**	**16,759**	**20,160**	**20,723**	**20,893**	**20,941**	**20,749**	**20,905**	**100.0**	**100.0**
Coal	9,603	8,947	8,913	8,878	8,885	8,899	8,874	8,841	55.2	42.3
Petroleum	1,152[R]	1,096[R]	836	56	56	56	58	58	6.6	0.3
Natural Gas	540[R]	500[R]	2,986	4,150	4,234	4,243	4,066	4,153	3.1	19.9
Nuclear	2,296	2,217	3,367	3,389	3,398	3,398	3,398	3,398	13.2	16.3
Hydroelectric	2,211	2,382	2,404	2,513	2,554	2,608	2,608	2,638	12.7	12.6
Other Renewables	11	46	76	114	114	141	148	182	0.1	0.9
Pumped Storage	1,532	1,532	1,578	1,624	1,652	1,597	1,597	1,635	8.8	7.8
Other	38	38	-	-	-	-	-	-	0.2	-

See footnotes at end of tables.

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatthours)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Tennessee										
Electric Utilities	**73,902,614**	**82,277,534**	**92,937,315**	**92,570,929**	**88,678,127**	**94,371,964**	**93,942,273**	**90,960,035**	**97.0**	**96.9**
Coal	50,186,951	57,971,909	58,166,973	58,080,553	53,376,149	56,583,558	57,560,600	59,146,323	65.9	63.0
Petroleum	134,397	252,611	379,703	250,325	379,007	166,943	201,121	137,187	0.2	0.1
Natural Gas	41,463	158,234	5,316	40,414	408,059	173,999	434,043	494,104	0.1	0.5
Nuclear	14,002,591	15,708,421	28,576,431	27,573,925	24,152,580	28,612,271	27,803,108	24,678,777	18.4	26.3
Hydroelectric	10,015,363	8,801,848	6,542,616	7,317,487	11,087,048	9,649,206	8,537,997	7,167,342	13.1	7.6
Other Renewables	-	-	-	4,068	3,933	3,813	3,339	3,842	-	*
Pumped Storage	-478,151	-615,489	-733,724	-695,843	-728,649	-817,826	-597,935	-667,540	-0.6	-0.7
Independent Power Producers and Combined Heat and Power	**2,284,995**	**3,453,301**	**3,284,661**	**3,543,333**	**3,543,663**	**3,222,578**	**3,174,892**[R]	**2,951,067**	**3.0**	**3.1**
Coal	1,638,655	1,503,095	1,563,059	1,625,128	1,545,148	1,733,922	1,716,869[R]	1,672,682	2.2	1.8
Petroleum	2,670	4,774	20,361	19,288	26,803	23,414	29,406	23,118	*	*
Natural Gas	182,683	316,861	450,187	429,159	218,927	126,503	101,527	152,677	0.2	0.2
Other Gases	4,210	11,062	18,496	11,873	2,834	-	-	-	*	-
Hydroelectric	-	826,703	403,913	656,175	916,598	758,906	771,544	581,308	-	0.6
Other Renewables	411,777	632,743	822,025	796,160	825,903	579,834	555,546	521,282	0.5	0.6
Other	45,000	158,063	6,620	5,550	7,451	-	-	-	0.1	-
Total Electric Industry	**76,187,609**	**85,730,835**	**96,221,976**	**96,114,262**	**92,221,790**	**97,594,542**	**97,117,165**[R]	**93,911,102**	**100.0**	**100.0**
Coal	51,825,606	59,475,004	59,730,032	59,705,681	54,921,297	58,317,480	59,277,469[R]	60,819,005	68.0	64.8
Petroleum	137,067	257,385	400,064	269,613	405,810	190,357	230,527	160,305	0.2	0.2
Natural Gas	224,146	475,095	455,503	469,573	626,986	300,502	535,570	646,781	0.3	0.7
Other Gases	4,210	11,062	18,496	11,873	2,834	-	-	-	*	-
Nuclear	14,002,591	15,708,421	28,576,431	27,573,925	24,152,580	28,612,271	27,803,108	24,678,777	18.4	26.3
Hydroelectric	10,015,363	9,628,551	6,946,529	7,973,662	12,003,646	10,408,112	9,309,541	7,748,650	13.1	8.3
Other Renewables	411,777	632,743	822,025	800,228	829,836	583,647	558,885	525,124	0.5	0.6
Pumped Storage	-478,151	-615,489	-733,724	-695,843	-728,649	-817,826	-597,935	-667,540	-0.6	-0.7
Other	45,000	158,063	6,620	5,550	7,451	-	-	-	0.1	-

See footnotes at end of tables.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1990, 1995, and 2001 Through 2006

Fuel, Quality	1990	1995	2001	2002	2003	2004	2005	2006
Tennessee								
Coal (cents per million Btu)	134	115	122	W	W	W	W	W
Average heat value (Btu per pound)	11,966	12,130	12,155	11,615	11,465	11,457	10,993	10,819
Average sulfur Content (percent)	2.00	1.97	1.36	1.32	1.19	1.27	1.09	1.11
Petroleum (cents per million Btu)	561	397	554	536	619	842	1,262	1,400
Average heat value (Btu per gallon)	138,824	138,262	145,952	139,900	139,902	139,357	137,160	136,379
Average sulfur Content (percent)	0.49	0.50	0.50	0.50	0.50	0.50	0.42	0.40
Natural Gas (cents per million Btu)	-	-	-	323	620	W	870	W
Average heat value (Btu per cubic foot)	-	-	-	1,024	1,025	1,035	1,032	1,030

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1990, 1995, and 2001 Through 2006
(Thousand Metric Tons)

Emission Type	1990	1995	2001	2002	2003	2004	2005	2006
Tennessee								
Sulfur Dioxide								
Coal	760	494	360	339	336	310	270	263
Petroleum	*	*	1	1	1	1	1	*
Natural Gas	*	*	*	*	*	-	-	-
Other	3	5	7	7	7	8	7	6
Total	764	500	368	347	345	318	278	270
Nitrogen Oxide								
Coal	237	239	149	147	124	103	95	98
Petroleum	*	*	2	1	2	*	*	*
Natural Gas	1	1	1	1	2	*	1	1
Other	1	2	5	4	1	2	1	1
Total	239	243	157	153	129	105	97	100
Carbon Dioxide								
Coal	52,061	57,609	60,232	58,261	54,739	57,995	59,126	60,597
Petroleum	106	209	434	268	460	242	286	209
Natural Gas	416	729	565	506	571	320	445	564
Other Renewables	136	114	94	30	8	16	25	9
Total	52,720	58,660	61,325	59,065	55,778	58,573	59,882	61,380

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1990, 1995, and 2001 Through 2006

Sector	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Tennessee										
Retail Sales (thousand megawatthours)										
Residential	28,757	30,967	36,932	38,752	37,697	38,526	41,132	40,816	37.3	39.3
Commercial	12,128	5,176	25,974	26,523	27,481	28,249	29,146	29,033	15.7	27.9
Industrial	35,313	44,828	32,149	31,845	32,278	32,885	33,625	34,081	45.8	32.8
Other	947	1,060	1,077	1,113	NA	NA	NA	NA	1.2	NA
Transportation	NA	NA	NA	NA	NA	1	1	1	NA	*
All Sectors	77,145	82,030	96,131	98,233	97,456	99,661	103,905	103,932	100.0	100.0
Retail Revenue (million dollars)										
Residential	1,637	1,832	2,335	2,483	2,467	2,657	2,872	3,164	40.0	43.7
Commercial	739	344	1,639	1,712	1,836	1,992	2,090	2,323	18.0	32.1
Industrial	1,656	2,018	1,301	1,322	1,384	1,466	1,591	1,761	40.4	24.3
Other	65	80	95	99	NA	NA	NA	NA	1.6	NA
Transportation	NA	NA	NA	NA	NA	*	*	*	NA	*
All Sectors	4,096	4,274	5,370	5,616	5,687	6,115	6,553	7,248	100.0	100.0
Average Retail Prices (cents/KWh)										
Residential	5.69	5.91	6.32	6.41	6.55	6.90	6.98	7.75	NA	NA
Commercial	6.09	6.65	6.31	6.45	6.68	7.05	7.17	8.00	NA	NA
Industrial	4.69	4.50	4.05	4.15	4.29	4.46	4.73	5.17	NA	NA
Other	6.86	7.56	8.83	8.92	NA	NA	NA	NA	NA	NA
Transportation	NA	NA	NA	NA	NA	11.75	11.46	11.18	NA	NA
All Sectors	5.31	5.21	5.59	5.72	5.84	6.14	6.31	6.97	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2006

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Tennessee								
Number of Entities	3	62	1	25	5	NA	NA	96
Number of Retail Customers	46,231	2,113,801	37	904,541	5	NA	NA	3,064,615
Retail Sales (thousand megawatthours)	1,999	70,321	9,004	21,413	1,194	NA	NA	103,932
Percentage of Retail Sales	1.92	67.66	8.66	20.60	1.15	NA	NA	100.00
Revenue from Retail Sales (million dollars)	93	5,115	358	1,658	24	NA	NA	7,248
Percentage of Revenue	1.29	70.57	4.94	22.87	0.33	NA	NA	100.00
Average Retail Price (cents/kWh)	4.68	7.27	3.97	7.74	2.01	NA	NA	6.97

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 services. 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.

Table 10. Supply and Disposition of Electricity, 1990, 1995, and 2001 Through 2006
(Million Kilowatthours)

Category	1990	1995	2001	2002	2003	2004	2005	2006
Tennessee								
Supply								
Generation								
Electric Utilities	73,903	82,278	92,937	92,571	88,678	94,372	93,942	90,960
Independent Power Producers	-	20	247	208	55	29	39	119
Combined Heat and Power, Electric	-	-	*	*	-	-	-	-
Electric Power Sector Generation Subtotal	**73,903**	**82,297**	**93,185**	**92,779**	**88,734**	**94,401**	**93,981**	**91,079**
Combined Heat and Power, Commercial	87	78	107	86	112	111	101	108
Combined Heat and Power, Industrial	2,198	3,355	2,931	3,249	3,376	3,083	3,035	2,724
Industrial and Commercial Generation Subtotal	**2,285**	**3,433**	**3,037**	**3,336**	**3,488**	**3,194**	**3,136**	**2,832**
Total Net Generation	**76,188**	**85,731**	**96,222**	**96,114**	**92,222**	**97,595**	**97,117**	**93,911**
Total International Imports	**-**	**-**	**-**	**-**	*****	*****	**-**	**-**
Total Supply	**76,188**	**85,731**	**96,222**	**96,114**	**92,222**	**97,595**	**97,117**	**93,911**
Disposition								
Retail Sales								
Full Service Providers	77,145	82,030	96,131	98,233	96,384	99,661	102,292	102,737
Facility Direct Retail Sales	-	-	-	-	1,072	-	1,614	1,194
Total Electric Industry Retail Sales	**77,145**	**82,030**	**96,131**	**98,233**	**97,456**	**99,661**	**103,905**	**103,932**
Direct Use	**2,255**	**3,391**	**3,276**	**3,347**	**3,389**	**3,393**	**1,809**	**2,376**
Estimated Losses	**5,784**	**6,227**	**3,080**	**4,954**	**3,991**	**4,881**	**6,024**	**5,415**
Total Disposition	**85,184**	**91,649**	**102,486**	**106,534**	**104,836**	**107,935**	**111,738**	**111,723**
Net Interstate Trade	**-8,996**	**-5,918**	**-6,264**	**-10,420**	**-12,614**	**-10,340**	**-14,621**	**-17,812**
Net Trade Index (ratio)	**0.89**	**0.94**	**0.94**	**0.90**	**0.88**	**0.90**	**0.87**	**0.84**

R = Revised.
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- = Data not available.
* = 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 10 Notes: Estimated Losses are reported at the utility level, and then allocated to States based on the utility's retail sales by State. Reported losses may include electricity unaccounted for by the utility. Net Interstate Trade represents the difference between the amount of electricity produced in the State and consumed in the State. Positive values indicate a State that is a net interstate exporter of electricity; negative values indicate a State that is a net interstate importer of electricity. The Net Trade Index represents a State's electricity self-sufficiency. Values greater than 1 indicate that, on an annual net basis, the State supplied electricity consumed outside the State; values less than 1 indicate that, on an annual net basis, the State consumed electricity produced outside the State.
General Notes: Table 4 "Other Renewables" includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. The "Other" category includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. However, Table 5 "Other Renewables" includes only biogenic municipal solid waste, in addition to wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. In Table 5 "Other" includes Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. In Table 7, "Other Renewables" emissions include biogenic municipal solid waste, and other renewable waste.
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Table 1. 2006 Summary Statistics

Item	Value	U.S. Rank
Texas		
NERC Region(s)		**ERCOT/SERC/SPP/WECC**
Primary Energy Source		**Gas**
Net Summer Capacity (megawatts)	**100,754**	**1**
Electric Utilities	24,991	4
Independent Power Producers & Combined Heat and Power	75,763	1
Net Generation (megawatthours)	**400,582,878**	**1**
Electric Utilities	94,637,956	10
Independent Power Producers & Combined Heat and Power	305,944,922	1
Emissions (thousand metric tons)		
Sulfur Dioxide	558	5
Nitrogen Oxide	260	1
Carbon Dioxide	257,552	1
Sulfur Dioxide (lbs/MWh)	3.1	32
Nitrogen Oxide (lbs/MWh)	1.4	37
Carbon Dioxide (lbs/MWh)	1,417	25
Total Retail Sales (megawatthours)	**342,724,213**	**1**
Full Service Provider Sales (megawatthours)	342,724,213	1
Direct Use (megawatthours)	**33,121,582**	**1**
Average Retail Price (cents/kWh)	**10.34**	**14**

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capacity, 2006

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
Texas			
1. W A Parish	Coal	NRG Texas LLC	3,681
2. South Texas Project	Nuclear	STP Nuclear Operating Co	2,560
3. Comanche Peak	Nuclear	TXU Generation Co LP	2,300
4. Cedar Bayou	Gas	NRG Texas LLC	2,258
5. Martin Lake	Coal	TXU Generation Co LP	2,250
6. P H Robinson	Gas	NRG Texas LLC	2,211
7. Sabine	Gas	Entergy Gulf States Inc	1,890
8. Monticello	Coal	TXU Generation Co LP	1,880
9. Limestone	Coal	NRG Texas LLC	1,700
10. Fayette Power Project	Coal	Lower Colorado River Authority	1,641

See footnotes at end of tables.

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2006
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
Texas						
1. Reliant Energy Retail Services, Inc	Other Provider	55,864,759	23,431,787	8,283,424	24,149,548	-
2. TXU Energy Retail Co LP	Other Provider	51,502,028	29,314,580	8,188,075	13,999,373	-
3. Constellation NewEnergy, Inc	Other Provider	20,137,227	-	8,900,375	11,236,852	-
4. San Antonio City of	Public	19,142,270	8,554,569	9,077,475	1,510,226	-
5. Entergy Gulf States Inc	Investor-Owned	15,383,226	5,211,126	4,257,300	5,914,800	-
Total Sales, Top Five Providers		162,029,510	66,512,062	38,706,649	56,810,799	-
Percent of Total State Sales		47	52	35	54	-

See footnotes at end of tables.

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatts)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Texas										
Electric Utilities	**62,034**	**64,424**	**38,940**	**38,903**	**22,629**	**22,897**	**24,033**[R]	**24,991**	**89.7**	**24.8**
Coal	18,590	19,399	12,471	12,398	8,189	8,320	8,984[R]	8,889	26.9	8.8
Petroleum	56[R]	48[R]	5	5	5	13	13	13	0.1	*
Natural Gas	39,068[R]	39,495[R]	23,230	23,274	13,729	13,889	14,329[R]	15,271	56.5	15.2
Other Gases	-	-	-	-	-	-	-[R]	104	-	0.1
Nuclear	3,651	4,802	2,529	2,529	-	-	-	-	5.3	-
Hydroelectric	640	680	690	690	692	661	666	674	0.9	0.7
Other Renewables	29	*	3	7	1	1	1	1	*	*
Other	-	-	13	-	13	13	39	39	-	*
Independent Power Producers and Combined Heat and Power	**7,122**	**8,238**	**49,015**	**55,585**	**76,964**	**78,207**	**77,013**[R]	**75,763**	**10.3**	**75.2**
Coal	338	338	7,442	7,798	11,864	11,881	11,204[R]	10,954	0.5	10.9
Petroleum	79	238	1,695	779	785	217	209	207	0.1	0.2
Natural Gas	6,242	7,231	36,298	43,179	57,730	59,327	58,397[R]	56,467	9.0	56.0
Other Gases	252	163	155	295	289	359	237[R]	183	0.4	0.2
Nuclear	-	-	2,208	2,208	4,768	4,860	4,860	4,860	-	4.8
Hydroelectric	-	-	7	7	7	7	7	7	-	*
Other Renewables	141	199	1,032	1,200	1,432	1,431	1,940	2,924	0.2	2.9
Other	70	70	178	118	89	123	160	161	0.1	0.2
Total Electric Industry	**69,156**	**72,663**	**87,956**	**94,488**	**99,594**	**101,104**	**101,046**	**100,754**	**100.0**	**100.0**
Coal	18,928	19,737	19,913	20,196	20,053	20,201	20,188	19,843	27.4	19.7
Petroleum	135[R]	286[R]	1,700	784	790	231	222	220	0.2	0.2
Natural Gas	45,311[R]	46,726[R]	59,528	66,453	71,459	73,216	72,726	71,737	65.5	71.2
Other Gases	252	163	155	295	289	359	237	287	0.4	0.3
Nuclear	3,651	4,802	4,737	4,737	4,768	4,860	4,860	4,860	5.3	4.8
Hydroelectric	640	680	697	697	699	668	673	681	0.9	0.7
Other Renewables	171	199	1,035	1,208	1,434	1,433	1,941	2,925	0.2	2.9
Other	70	70	191	118	102	136	199	200	0.1	0.2

See footnotes at end of tables.

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatthours)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Texas										
Electric Utilities	**234,047,343**	**261,708,943**	**265,012,955**	**149,587,269**	**86,882,044**	**92,054,150**	**95,187,030**	**94,637,956**	**83.1**	**23.6**
Coal	118,354,490	122,149,283	132,296,611	90,259,574	60,288,940	63,893,450	61,275,542	59,478,349	42.0	14.8
Petroleum	480,617	203,267	1,741,052	25,987	257,818	67,624	68,365	72,613	0.2	*
Natural Gas	97,279,980	101,501,467	91,617,908	39,173,483	25,473,500	26,726,978	32,324,018	34,131,142	34.6	8.5
Nuclear	15,859,258	36,151,325	38,162,863	19,049,602	-	-	-	-	5.6	-
Hydroelectric	1,793,625	1,703,348	1,194,526	1,076,338	858,933	1,266,098	1,288,469	611,491	0.6	0.2
Other Renewables	279,373	253	-5	2,285	2,852	2,454	1,056	393	0.1	*
Other	-	-	-	-	-	97,546	229,580	343,968	-	0.1
Independent Power Producers and Combined Heat and Power	**47,512,292**	**55,927,303**	**107,567,047**	**236,041,272**	**292,317,641**	**298,244,982**	**301,481,692**[R]	**305,944,922**	**16.9**	**76.4**
Coal	2,566,906	2,567,665	2,803,310	51,587,666	86,700,570	84,991,205	87,082,481	86,912,992	0.9	21.7
Petroleum	1,347,186	1,404,528	1,062,351	1,594,977	2,257,437	1,673,060	1,544,883	1,693,606	0.5	0.4
Natural Gas	38,954,345	45,477,241	98,493,073	157,259,926	159,437,850	160,076,434	163,446,531[R]	162,329,811	13.8	40.5
Other Gases	2,997,509	4,276,154	1,574,325	3,052,992	5,999,489	5,823,966	5,184,273	4,960,864	1.1	1.2
Nuclear	-	-	-	16,568,402	33,437,484	40,435,372	38,232,493	41,264,278	-	10.3
Hydroelectric	-	-	5,806	47,154	37,606	34,511	44,091	50,480	-	*
Other Renewables	1,157,615	1,412,152	2,180,950	3,972,969	3,962,885	4,362,061	5,333,353[R]	7,833,340	0.4	2.0
Other	488,731	789,563	1,447,232	1,957,186	484,320	848,373	613,587	899,551	0.2	0.2
Total Electric Industry	**281,559,635**	**317,636,246**	**372,580,002**	**385,628,541**	**379,199,685**	**390,299,132**	**396,668,722**[R]	**400,582,878**	**100.0**	**100.0**
Coal	120,921,396	124,716,948	135,099,921	141,847,240	146,989,510	148,884,655	148,358,023	146,391,341	42.9	36.5
Petroleum	1,827,803	1,607,795	2,803,403	1,620,964	2,515,255	1,740,684	1,613,248	1,766,219	0.6	0.4
Natural Gas	136,234,325	146,978,708	190,110,981	196,433,409	184,911,350	186,803,412	195,770,549[R]	196,460,953	48.4	49.0
Other Gases	2,997,509	4,276,154	1,574,325	3,052,992	5,999,489	5,823,966	5,184,273	4,960,864	1.1	1.2
Nuclear	15,859,258	36,151,325	38,162,863	35,618,004	33,437,484	40,435,372	38,232,493	41,264,278	5.6	10.3
Hydroelectric	1,793,625	1,703,348	1,200,332	1,123,492	896,539	1,300,609	1,332,560	661,971	0.6	0.2
Other Renewables	1,436,988	1,412,405	2,180,945	3,975,254	3,965,737	4,364,515	5,334,409[R]	7,833,733	0.5	2.0
Other	488,731	789,563	1,447,232	1,957,186	484,320	945,919	843,167	1,243,519	0.2	0.3

See footnotes at end of tables.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1990, 1995, and 2001 Through 2006

Fuel, Quality	1990	1995	2001	2002	2003	2004	2005	2006
Texas								
Coal (cents per million Btu)	145	134	133	126	125	131	129	W
Average heat value (Btu per pound)	7,291	7,346	7,635	7,677	7,605	7,641	7,611	7,665
Average sulfur Content (percent)	0.74	0.77	0.67	0.68	0.78	0.77	0.74	0.67
Petroleum (cents per million Btu)	517	283	556	200	423	171	248	W
Average heat value (Btu per gallon)	141,838	117,555	141,905	140,340	139,979	137,700	137,955	137,876
Average sulfur Content (percent)	0.47	1.57	0.45	3.91	1.40	3.32	3.64	3.64
Natural Gas (cents per million Btu)	210	189	421	332	528	577	783	645
Average heat value (Btu per cubic foot)	1,035	1,023	1,020	1,023	1,029	1,026	1,029	1,025

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1990, 1995, and 2001 Through 2006
(Thousand Metric Tons)

Emission Type	1990	1995	2001	2002	2003	2004	2005	2006
Texas								
Sulfur Dioxide								
Coal	484	516	528	555	573	531	537	523
Petroleum	74	37	81	83	22	21	6	29
Natural Gas	*	*	1	*	1	1	1	1
Other	10	15	6	5	18	21	5	6
Total	569	568	615	644	614	574	549	558
Nitrogen Oxide								
Coal	471	445	184	163	146	132	126	120
Petroleum	4	3	12	12	5	7	5	8
Natural Gas	181	178	191	131	131	117	104	109
Other	6	8	17	27	26	18	12	23
Total	663	634	403	333	308	273	247	260
Carbon Dioxide								
Coal	125,004	128,271	139,376	144,222	149,738	152,246	152,353	150,589
Petroleum	2,569	2,023	3,367	2,324	2,889	2,704	2,175	2,869
Natural Gas	83,468	89,928	110,449	109,297	102,445	101,775	104,133	104,094
Other Renewables	5	1	35	47	-	-	-	-
Total	211,045	220,223	253,227	255,890	255,073	256,725	258,661	257,552

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1990, 1995, and 2001 Through 2006

Sector	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Texas										
Retail Sales (thousand megawatthours)										
Residential	82,548	92,831	117,343	121,435	121,355	120,330	126,562	126,843	34.8	37.0
Commercial	62,238	68,580	87,912	87,746	96,694	99,616	110,784	111,130	26.2	32.4
Industrial	84,087	90,093	98,208	102,251	104,547	100,588	96,841	104,689	35.4	30.5
Other	8,542	11,775	14,581	9,414	NA	NA	NA	NA	3.6	NA
Transportation	NA	NA	NA	NA	90	81	71	62	NA	*
All Sectors	237,415	263,279	318,044	320,846	322,686	320,615	334,258	342,724	100.0	100.0
Retail Revenue (million dollars)										
Residential	5,947	7,162	10,399	9,778	11,111	11,707	13,832	16,307	43.4	46.0
Commercial	3,843	4,556	6,807	6,095	7,581	7,867	9,810	10,951	28.0	30.9
Industrial	3,391	3,590	5,174	4,761	5,512	5,902	6,916	8,185	24.7	23.1
Other	534	758	1,103	616	NA	NA	NA	NA	3.9	NA
Transportation	NA	NA	NA	NA	6	6	6	5	NA	*
All Sectors	13,715	16,066	23,484	21,251	24,211	25,482	30,564	35,448	100.0	100.0
Average Retail Prices (cents/KWh)										
Residential	7.20	7.71	8.86	8.05	9.16	9.73	10.93	12.86	NA	NA
Commercial	6.17	6.64	7.74	6.95	7.84	7.90	8.85	9.85	NA	NA
Industrial	4.03	3.98	5.27	4.66	5.27	5.87	7.14	7.82	NA	NA
Other	6.25	6.44	7.56	6.55	NA	NA	NA	NA	NA	NA
Transportation	NA	NA	NA	NA	6.62	7.02	8.45	8.42	NA	NA
All Sectors	5.78	6.10	7.38	6.62	7.50	7.95	9.14	10.34	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2006

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Texas								
Number of Entities	61	72	NA	69	11	NA	NA	213
Number of Retail Customers	7,382,308	1,599,664	NA	1,749,644	11	NA	NA	10,731,627
Retail Sales (thousand megawatthours)	256,589	45,047	NA	36,623	4,465	NA	NA	342,724
Percentage of Retail Sales	74.87	13.14	NA	10.69	1.30	NA	NA	100.00
Revenue from Retail Sales (million dollars)	27,726	3,726	NA	3,725	272	NA	NA	35,448
Percentage of Revenue	78.21	10.51	NA	10.51	0.77	NA	NA	100.00
Average Retail Price (cents/kWh)	10.81	8.27	NA	10.17	6.09	NA	NA	10.34

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 services. 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.

Table 10. Supply and Disposition of Electricity, 1990, 1995, and 2001 Through 2006
(Million Kilowatthours)

Category	1990	1995	2001	2002	2003	2004	2005	2006
Texas								
Supply								
Generation								
Electric Utilities	234,047	261,709	265,013	149,587	86,882	92,054	95,187	94,638
Independent Power Producers	24	24	30,779	138,777	197,114	205,978	216,933	224,749
Combined Heat and Power, Electric	13,642	18,178	35,618	56,862	55,432	49,841	44,759	41,286
Electric Power Sector Generation Subtotal	**247,713**	**279,911**	**331,410**	**345,226**	**339,428**	**347,872**	**356,879**	**360,674**
Combined Heat and Power, Commercial	512	482	483	471	495	476	508	521
Combined Heat and Power, Industrial	33,334	37,244	40,688	39,932	39,277	41,951	39,282	39,388
Industrial and Commercial Generation Subtotal	**33,846**	**37,725**	**41,170**	**40,402**	**39,772**	**42,427**	**39,790**	**39,909**
Total Net Generation	**281,560**	**317,636**	**372,580**	**385,629**	**379,200**	**390,299**	**396,669**	**400,583**
Total International Imports	**1**	**-**	**4**	**80**	**80**	**79**	**78**	**80**
Total Supply	**281,561**	**317,636**	**372,584**	**385,709**	**379,279**	**390,378**	**396,747**	**400,662**
Disposition								
Retail Sales								
Full Service Providers	237,415	263,279	317,048	320,846	312,902	318,116	330,118	338,259
Energy-Only Providers	-	-	997	-	-	-	-	-
Facility Direct Retail Sales	-	-	-	-	9,784	2,499	4,141	4,465
Total Electric Industry Retail Sales	**237,415**	**263,279**	**318,044**	**320,846**	**322,686**	**320,615**	**334,258**	**342,724**
Direct Use	**28,031**	**37,852**	**40,307**	**41,183**	**41,706**	**41,749**	**45,497**	**33,122**
Total International Exports	**65**	**965**	**3**	**299**	**297**	**295**	**298**	**292**
Estimated Losses	**17,801**	**19,987**	**15,785**	**17,661**	**15,319**	**20,129**	**14,491**	**17,368**
Total Disposition	**283,311**	**322,082**	**374,139**	**379,989**	**380,008**	**382,788**	**394,545**	**393,506**
Net Interstate Trade	**-1,751**	**-4,446**	**-1,555**	**5,720**	**-728**	**7,590**	**2,202**	**7,157**
Net Trade Index (ratio)	**0.99**	**0.99**	**1.00**	**1.02**	**1.00**	**1.02**	**1.01**	**1.02**

R = Revised.
NA = Not applicable; NM = Not meaningful.
W = Withheld to avoid disclosure of individual company data.
- = Data not available.
* = 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 10 Notes: Estimated Losses are reported at the utility level, and then allocated to States based on the utility's retail sales by State. Reported losses may include electricity unaccounted for by the utility. Net Interstate Trade represents the difference between the amount of electricity produced in the State and consumed in the State. Positive values indicate a State that is a net interstate exporter of electricity; negative values indicate a State that is a net interstate importer of electricity. The Net Trade Index represents a State's electricity self-sufficiency. Values greater than 1 indicate that, on an annual net basis, the State supplied electricity consumed outside the State; values less than 1 indicate that, on an annual net basis, the State consumed electricity produced outside the State.
General Notes: Table 4 "Other Renewables" includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. The "Other" category includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. However, Table 5 "Other Renewables" includes only biogenic municipal solid waste, in addition to wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. In Table 5 "Other" includes Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. In Table 7, "Other Renewables" emissions include biogenic municipal solid waste, and other renewable 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.

Table 1. 2006 Summary Statistics

Item	Value	U.S. Rank
Utah		
NERC Region(s)		**WECC**
Primary Energy Source		**Coal**
Net Summer Capacity (megawatts)	**6,712**	**38**
Electric Utilities	6,212	32
Independent Power Producers & Combined Heat and Power	500	46
Net Generation (megawatthours)	**41,263,324**	**35**
Electric Utilities	39,590,509	28
Independent Power Producers & Combined Heat and Power	1,672,815	44
Emissions (thousand metric tons)		
Sulfur Dioxide	34	35
Nitrogen Oxide	69	24
Carbon Dioxide	36,445	27
Sulfur Dioxide (lbs/MWh)	1.8	39
Nitrogen Oxide (lbs/MWh)	3.7	9
Carbon Dioxide (lbs/MWh)	1,947	9
Total Retail Sales (megawatthours)	**26,365,716**	**37**
Full Service Provider Sales (megawatthours)	26,365,716	37
Direct Use (megawatthours)	**967,261**	**29**
Average Retail Price (cents/kWh)	**5.99**	**47**

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capacity, 2006

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
Utah			
1. Intermountain Power Project	Coal	Los Angeles City of	1,800
2. Hunter	Coal	PacifiCorp	1,320
3. Huntington	Coal	PacifiCorp	895
4. Currant Creek	Gas	PacifiCorp	527
5. Bonanza	Coal	Deseret Generation & Tran Coop	458
6. Gadsby	Gas	PacifiCorp	352
7. West Valley Generation Project	Gas	PacifiCorp	202
8. KUCC	Coal	Kennecott Utah Copper Corporation	187
9. Carbon	Coal	PacifiCorp	172
10. Flaming Gorge	Hydroelectric	U S Bureau of Reclamation	152

See footnotes at end of tables.

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2006
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
Utah						
1. PacifiCorp	Investor-Owned	21,227,144	6,139,297	7,575,699	7,482,943	29,205
2. Provo City Corporation	Public	759,609	230,898	393,706	135,005	-
3. City of St George	Public	537,408	330,408	78,000	129,000	-
4. City of Logan	Public	419,300	89,228	171,084	158,988	-
5. City of Murray	Public	397,899	116,103	281,796	-	-
Total Sales, Top Five Providers		23,341,360	6,905,934	8,500,285	7,905,936	29,205
Percent of Total State Sales		89	84	87	95	100

See footnotes at end of tables.

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatts)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Utah										
Electric Utilities	**4,805**	**4,927**	**5,129**	**5,573**	**5,574**	**5,754**	**6,053**	**6,212**	**98.3**	**92.6**
Coal	4,316	4,374	4,464	4,461	4,461	4,645	4,645	4,645	88.3	69.2
Petroleum	26	25	50	45	46	38	35	35	0.5	0.5
Natural Gas	228	231	332	782	782	796	1,098	1,257	4.7	18.7
Hydroelectric	213	261	251	252	252	252	253	253	4.4	3.8
Other Renewables	21	35	33	33	33	23	23	23	0.4	0.3
Pumped Storage	*	*	-	-	-	-	-	-	*	-
Independent Power Producers and Combined Heat and Power	**82**	**136**	**179**	**179**	**223**	**436**	**475**	**500**	**1.7**	**7.4**
Coal	-	54	101	101	144	181	246	246	-	3.7
Petroleum	3	2	3	3	3	-	-	-	0.1	-
Natural Gas	20	21	72	72	72	195	225	215	0.4	3.2
Other Gases	48	48	-	-	-	-	-	-	1.0	-
Hydroelectric	10	10	2	2	2	2	2	2	0.2	*
Other Renewables	-	-	1	1	1	1	1	4	-	0.1
Other	-	-	-	-	-	57	-	32	-	0.5
Total Electric Industry	**4,886**	**5,063**	**5,308**	**5,752**	**5,797**	**6,190**	**6,528**	**6,712**	**100.0**	**100.0**
Coal	4,316	4,429	4,565	4,562	4,606	4,826	4,891	4,891	88.3	72.9
Petroleum	30	27	53	48	49	38	35	35	0.6	0.5
Natural Gas	249	253	404	854	854	991	1,323	1,473	5.1	21.9
Other Gases	48	48	-	-	-	-	-	-	1.0	-
Hydroelectric	223	271	253	254	254	254	255	255	4.6	3.8
Other Renewables	21	35	34	34	34	24	24	27	0.4	0.4
Pumped Storage	*	*	-	-	-	-	-	-	*	-
Other	-	-	-	-	-	57	-	32	-	0.5

See footnotes at end of tables.

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatthours)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Utah										
Electric Utilities	**32,260,340**	**32,101,107**	**35,138,801**	**36,071,946**	**37,544,892**	**37,165,917**	**36,695,193**	**39,590,509**	**99.1**	**95.9**
Coal	31,519,477	30,259,914	33,204,340	34,080,979	35,579,158	35,634,374	34,824,862	35,667,551	96.8	86.4
Petroleum	49,262	34,000	57,538	53,469	31,386	32,567	40,245	29,619	0.2	0.1
Natural Gas	54,034	741,115	1,223,978	1,268,326	1,322,984	864,181	874,505	2,965,072	0.2	7.2
Hydroelectric	485,742	926,336	500,203	451,521	412,899	439,919	770,779	737,659	1.5	1.8
Other Renewables	151,825	139,742	152,742	217,651	198,465	194,876	184,802	190,608	0.5	0.5
Independent Power Producers and Combined Heat and Power	**303,199**	**706,281**	**714,949**	**536,057**	**478,774**	**1,046,060**	**1,469,938**	**1,672,815**	**0.9**	**4.1**
Coal	3,449	351,149	474,968	406,744	399,490	983,480	1,145,543	1,187,999	*	2.9
Petroleum	2,590	1,934	38	50	1,480	-	664	32,469	*	0.1
Natural Gas	92,454	50,097	222,099	111,855	60,123	45,669	302,996	423,478	0.3	1.0
Other Gases	182,005	260,694	-	-	-	-	-	-	0.6	-
Hydroelectric	22,701	42,407	8,202	6,211	8,440	9,929	13,684	9,124	0.1	*
Other Renewables	-	-	5,496	6,270	5,083	3,840	3,948[R]	14,889	-	*
Other	-	-	4,146	4,927	4,158	3,142	3,102	4,855	-	*
Total Electric Industry	**32,563,539**	**32,807,388**	**35,853,750**	**36,608,003**	**38,023,666**	**38,211,977**	**38,165,131**	**41,263,324**	**100.0**	**100.0**
Coal	31,522,926	30,611,063	33,679,308	34,487,723	35,978,648	36,617,854	35,970,405	36,855,550	96.8	89.3
Petroleum	51,852	35,934	57,576	53,519	32,866	32,567	40,909	62,088	0.2	0.2
Natural Gas	146,488	791,212	1,446,077	1,380,181	1,383,107	909,850	1,177,501	3,388,550	0.4	8.2
Other Gases	182,005	260,694	-	-	-	-	-	-	0.6	-
Hydroelectric	508,443	968,743	508,405	457,732	421,339	449,848	784,463	746,783	1.6	1.8
Other Renewables	151,825	139,742	158,238	223,921	203,548	198,716	188,750[R]	205,497	0.5	0.5
Other	-	-	4,146	4,927	4,158	3,142	3,102	4,855	-	*

See footnotes at end of tables.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1990, 1995, and 2001 Through 2006

Fuel, Quality	1990	1995	2001	2002	2003	2004	2005	2006
Utah								
Coal (cents per million Btu)	117	109	112	W	W	W	W	W
Average heat value (Btu per pound)	11,483	11,550	11,375	11,223	11,025	10,718	10,786	10,981
Average sulfur Content (percent)	0.49	0.47	0.49	0.55	0.55	0.52	0.52	0.58
Petroleum (cents per million Btu)	541	505	635	556	722	924	1,291	1,525
Average heat value (Btu per gallon)	140,000	139,338	139,286	139,821	139,493	139,512	139,752	139,660
Average sulfur Content (percent)	0.30	0.20	0.26	0.28	0.23	0.23	0.26	0.25
Natural Gas (cents per million Btu)	504	215	464	W	W	W	W	W
Average heat value (Btu per cubic foot)	1,000	1,055	1,030	1,056	1,062	1,049	1,047	1,052

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1990, 1995, and 2001 Through 2006
(Thousand Metric Tons)

Emission Type	1990	1995	2001	2002	2003	2004	2005	2006
Utah								
Sulfur Dioxide								
Coal	29	26	32	30	32	34	31	34
Petroleum	*	*	*	*	*	*	*	*
Natural Gas	-	*	*	*	*	*	*	*
Other	-	-	*	2	*	*	*	-
Total	29	26	33	32	32	34	31	34
Nitrogen Oxide								
Coal	109	102	66	65	64	65	62	68
Petroleum	*	*	*	*	*	*	*	*
Natural Gas	*	1	3	2	2	1	1	1
Other	-	-	1	6	*	*	*	*
Total	109	103	70	74	66	66	64	69
Carbon Dioxide								
Coal	28,768	28,796	31,391	32,497	33,520	34,511	35,120	34,707
Petroleum	35	28	46	41	26	26	31	55
Natural Gas	89	520	1,020	832	780	525	698	1,623
Geothermal	4	4	4	6	5	5	5	5
Other Renewables	-	-	55	59	54	57	57	56
Total	28,896	29,348	32,516	33,434	34,385	35,124	35,911	36,445

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1990, 1995, and 2001 Through 2006

Sector	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Utah										
Retail Sales (thousand megawatthours)										
Residential	4,246	5,041	6,693	6,938	7,166	7,325	7,567	8,232	27.6	31.2
Commercial	4,515	5,642	8,262	8,463	9,024	9,345	9,417	9,749	29.3	37.0
Industrial	5,766	6,957	7,411	7,019	7,646	7,816	7,989	8,356	37.4	31.7
Other	875	820	851	846	NA	NA	NA	NA	5.7	NA
Transportation	NA	NA	NA	NA	25	25	28	29	NA	0.1
All Sectors	15,402	18,460	23,217	23,267	23,860	24,512	25,000	26,366	100.0	100.0
Retail Revenue (million dollars)										
Residential	303	350	450	471	494	528	569	625	36.0	39.6
Commercial	283	334	461	474	504	551	571	599	33.6	38.0
Industrial	219	259	262	269	290	314	339	352	26.1	22.3
Other	36	37	39	40	NA	NA	NA	NA	4.3	NA
Transportation	NA	NA	NA	NA	1	2	2	2	NA	0.1
All Sectors	841	979	1,211	1,255	1,290	1,395	1,481	1,578	100.0	100.0
Average Retail Prices (cents/KWh)										
Residential	7.13	6.94	6.72	6.79	6.90	7.21	7.52	7.59	NA	NA
Commercial	6.26	5.92	5.58	5.60	5.59	5.90	6.07	6.15	NA	NA
Industrial	3.80	3.72	3.53	3.84	3.79	4.01	4.24	4.21	NA	NA
Other	4.16	4.46	4.53	4.69	NA	NA	NA	NA	NA	NA
Transportation	NA	NA	NA	NA	6.01	6.57	7.20	7.19	NA	NA
All Sectors	5.46	5.30	5.21	5.39	5.41	5.69	5.92	5.99	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2006

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Utah								
Number of Entities	1	40	1	9	NA	NA	NA	51
Number of Retail Customers	747,525	215,769	9	40,037	NA	NA	NA	1,003,340
Retail Sales (thousand megawatthours)	21,227	4,180	48	911	NA	NA	NA	26,366
Percentage of Retail Sales	80.51	15.86	0.18	3.45	NA	NA	NA	100.00
Revenue from Retail Sales (million dollars)	1,206	312	1	59	NA	NA	NA	1,578
Percentage of Revenue	76.40	19.77	0.08	3.76	NA	NA	NA	100.00
Average Retail Price (cents/kWh)	5.68	7.46	2.59	6.52	NA	NA	NA	5.99

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 services. 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.

Table 10. Supply and Disposition of Electricity, 1990, 1995, and 2001 Through 2006
(Million Kilowatthours)

Category	1990	1995	2001	2002	2003	2004	2005	2006
Utah								
Supply								
Generation								
Electric Utilities	32,260	32,101	35,139	36,072	37,545	37,166	36,695	39,591
Independent Power Producers	23	377	396	485	447	406	706	829
Combined Heat and Power, Electric	-	-	10	11	9	7	7	11
Electric Power Sector Generation Subtotal	**32,283**	**32,478**	**35,544**	**36,568**	**38,002**	**37,579**	**37,408**	**40,430**
Combined Heat and Power, Commercial	30	28	21	24	22	21	20	28
Combined Heat and Power, Industrial	250	302	289	16	-	612	737	805
Industrial and Commercial Generation Subtotal	**280**	**330**	**310**	**40**	**22**	**633**	**757**	**833**
Total Net Generation	**32,564**	**32,807**	**35,854**	**36,608**	**38,024**	**38,212**	**38,165**	**41,263**
Total International Imports	**-**	**-**	**-**	**9**	**6**	**15**	**42**	**15**
Total Supply	**32,564**	**32,807**	**35,854**	**36,617**	**38,029**	**38,227**	**38,207**	**41,279**
Disposition								
Retail Sales								
Full Service Providers	15,402	18,460	23,217	23,267	23,860	24,512	25,000	26,366
Total Electric Industry Retail Sales	**15,402**	**18,460**	**23,217**	**23,267**	**23,860**	**24,512**	**25,000**	**26,366**
Direct Use	**252**	**382**	**348**	**356**	**360**	**361**	**742**	**967**
Total International Exports	**-**	**-**	**-**	**-**	**-**	**-**	**1**	**1**
Estimated Losses	**1,155**	**1,401**	**1,671**	**1,892**	**1,524**	**1,860**	**2,134**	**2,323**
Total Disposition	**16,809**	**20,243**	**25,236**	**25,515**	**25,744**	**26,732**	**27,877**	**29,656**
Net Interstate Trade	**15,755**	**12,564**	**10,618**	**11,102**	**12,285**	**11,494**	**10,330**	**11,622**
Net Trade Index (ratio)	**1.94**	**1.62**	**1.42**	**1.44**	**1.48**	**1.43**	**1.37**	**1.39**

R = Revised.
NA = Not applicable; NM = Not meaningful.
W = Withheld to avoid disclosure of individual company data.
- = Data not available.
* = 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 10 Notes: Estimated Losses are reported at the utility level, and then allocated to States based on the utility's retail sales by State. Reported losses may include electricity unaccounted for by the utility. Net Interstate Trade represents the difference between the amount of electricity produced in the State and consumed in the State. Positive values indicate a State that is a net interstate exporter of electricity; negative values indicate a State that is a net interstate importer of electricity. The Net Trade Index represents a State's electricity self-sufficiency. Values greater than 1 indicate that, on an annual net basis, the State supplied electricity consumed outside the State; values less than 1 indicate that, on an annual net basis, the State consumed electricity produced outside the State.
General Notes: Table 4 "Other Renewables" includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. The "Other" category includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. However, Table 5 "Other Renewables" includes only biogenic municipal solid waste, in addition to wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. In Table 5 "Other" includes Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. In Table 7, "Other Renewables" emissions include biogenic municipal solid waste, and other renewable 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.

Table 1. 2006 Summary Statistics

Item	Value	U.S. Rank
Vermont		
NERC Region(s)		**NPCC**
Primary Energy Source		**Nuclear**
Net Summer Capacity (megawatts)	**1,117**	**50**
Electric Utilities	259	45
Independent Power Producers & Combined Heat and Power	859	41
Net Generation (megawatthours)	**7,084,344**	**48**
Electric Utilities	802,680	45
Independent Power Producers & Combined Heat and Power	6,281,664	36
Emissions (thousand metric tons)		
Sulfur Dioxide	*	51
Nitrogen Oxide	*	50
Carbon Dioxide	10	51
Sulfur Dioxide (lbs/MWh)	*	51
Nitrogen Oxide (lbs/MWh)	0.2	51
Carbon Dioxide (lbs/MWh)	3	51
Total Retail Sales (megawatthours)	**5,795,029**	**51**
Full Service Provider Sales (megawatthours)	5,795,029	50
Direct Use (megawatthours)	**25,524**	**48**
Average Retail Price (cents/kWh)	**11.37**	**11**

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capacity, 2006

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
Vermont			
1. Vermont Yankee	Nuclear	Entergy Nuclear Vermont Yankee	620
2. J C McNeil	Other Renewables	City of Burlington-Electric	52
3. Bellows Falls	Hydroelectric	TransCanada Hydro Northeast Inc.,	49
4. Wilder	Hydroelectric	TransCanada Hydro Northeast Inc.,	41
5. Harriman	Hydroelectric	TransCanada Hydro Northeast Inc.,	40
6. Berlin 5	Petroleum	Green Mountain Power Corp	35
7. Sheldon Springs Hydroelectric	Hydroelectric	Sheldon Vermont Hydro Co., Inc.	24
8. Vernon	Hydroelectric	TransCanada Hydro Northeast Inc.,	22
9. Burlington GT	Petroleum	City of Burlington-Electric	20
9. Ryegate Power Station	Other Renewables	SUEZ Energy Generation NA Inc	20

See footnotes at end of tables.

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2006
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
Vermont						
1. Central Vermont Pub Serv Corp	Investor-Owned	2,284,464	959,454	894,662	430,348	-
2. Green Mountain Power Corp	Investor-Owned	1,962,923	582,284	712,118	668,521	-
3. Vermont Electric Cooperative, Inc.	Cooperative	468,285	242,370	115,614	110,301	-
4. Burlington City of	Public	359,268	91,153	197,084	71,031	-
5. Omya Inc	Investor-Owned	219,234	6,297	4,992	207,945	-
Total Sales, Top Five Providers		5,294,174	1,881,558	1,924,470	1,488,146	-
Percent of Total State Sales		91	88	95	92	-

See footnotes at end of tables.

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatts)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Vermont										
Electric Utilities	**1,065**	**1,090**	**262**	**261**	**260**	**251**	**258**	**259**	**96.0**	**23.1**
Petroleum	117	118	111	107	107	101	100	101	10.6	9.0
Nuclear	496	496	-	-	-	-	-	-	44.7	-
Hydroelectric	404	426	99	102	96	93	100	101	36.4	9.0
Other Renewables	47	50	52	53	57	57	57	57	4.3	5.1
Independent Power Producers and Combined Heat and Power	**44**	**71**	**708**	**733**	**737**	**747**	**745**	**859**	**4.0**	**76.9**
Petroleum	-	-	-	-	-	7	7	7	-	0.6
Nuclear	-	-	506	506	506	506	506	620	-	55.5
Hydroelectric	40	47	178	203	207	211	208	208	3.6	18.6
Other Renewables	4	24	24	24	24	24	24	24	0.3	2.1
Total Electric Industry	**1,109**	**1,161**	**970**	**994**	**997**	**998**	**1,002**	**1,117**	**100.0**	**100.0**
Petroleum	117	118	111	107	107	107	107	108	10.6	9.6
Nuclear	496	496	506	506	506	506	506	620	44.7	55.5
Hydroelectric	444	474	277	305	303	304	309	309	40.1	27.6
Other Renewables	51	74	76	76	81	81	81	81	4.6	7.2

See footnotes at end of tables.

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatthours)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Vermont										
Electric Utilities	**4,992,578**	**4,839,820**	**4,734,002**	**2,971,224**	**626,337**	**643,426**	**673,607**	**802,680**	**96.7**	**11.3**
Petroleum	2,543	13,357	31,740	9,406	22,607	17,800	10,179	7,371	*	0.1
Natural Gas	65,281	6,593	11,000	3,275	2,029	3,224	2,240	1,875	1.3	*
Nuclear	3,616,268	3,858,509	4,171,120	2,367,209	-	-	-	-	70.0	-
Hydroelectric	1,214,248	834,193	330,674	404,227	367,624	395,734	415,691	520,077	23.5	7.3
Other Renewables	94,238	127,168	189,468	187,107	234,077	226,668	245,497	273,357	1.8	3.9
Independent Power Producers and Combined Heat and Power	**171,530**	**320,242**	**746,612**	**2,484,966**	**5,401,625**	**4,826,952**	**5,043,148**	**6,281,664**	**3.3**	**88.7**
Petroleum	-	127	-	-	-	-	-	-	-	-
Nuclear	-	-	-	1,595,407	4,444,152	3,858,020	4,071,547	5,106,523	-	72.1
Hydroelectric	150,783	138,464	553,539	710,695	786,414	791,522	795,120	998,588	2.9	14.1
Other Renewables	20,747	181,651	193,073	178,864	171,059	177,410	176,480	176,553	0.4	2.5
Total Electric Industry	**5,164,108**	**5,160,062**	**5,480,614**	**5,456,190**	**6,027,962**	**5,470,378**	**5,716,755**	**7,084,344**	**100.0**	**100.0**
Petroleum	2,543	13,484	31,740	9,406	22,607	17,800	10,179	7,371	*	0.1
Natural Gas	65,281	6,593	11,000	3,275	2,029	3,224	2,240	1,875	1.3	*
Nuclear	3,616,268	3,858,509	4,171,120	3,962,616	4,444,152	3,858,020	4,071,547	5,106,523	70.0	72.1
Hydroelectric	1,365,031	972,657	884,213	1,114,922	1,154,038	1,187,256	1,210,811	1,518,665	26.4	21.4
Other Renewables	114,985	308,819	382,541	365,971	405,136	404,078	421,977	449,910	2.2	6.4

See footnotes at end of tables.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1990, 1995, and 2001 Through 2006

Fuel, Quality	1990	1995	2001	2002	2003	2004	2005	2006
Vermont								
Petroleum (cents per million Btu)	-	412	-	-	-	-	1,314	-
Average heat value (Btu per gallon)	-	137,900	-	-	-	-	138,098	-
Average sulfur Content (percent)	-	0.18	-	-	-	-	0.40	-
Natural Gas (cents per million Btu)	-	195	478	384	-	-	887	781
Average heat value (Btu per cubic foot)	-	1,001	1,010	1,006	-	-	1,007	1,000

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1990, 1995, and 2001 Through 2006
(Thousand Metric Tons)

Emission Type	1990	1995	2001	2002	2003	2004	2005	2006
Vermont								
Sulfur Dioxide								
Petroleum	*	*	*	*	*	*	*	*
Other	*	*	*	*	*	*	*	*
Total	*	*	*	*	*	*	*	*
Nitrogen Oxide								
Petroleum	*	*	*	*	*	*	*	*
Natural Gas	*	*	*	-	*	*	*	*
Other	*	*	*	*	*	*	*	*
Total	*	*	1	*	*	*	*	*
Carbon Dioxide								
Petroleum	3	17	37	13	24	19	12	9
Natural Gas	37	7	6	2	2	3	2	2
Total	41	24	43	15	25	22	14	10

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1990, 1995, and 2001 Through 2006

Sector	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Vermont										
Retail Sales (thousand megawatthours)										
Residential	1,809	1,973	2,009	2,047	2,011	2,109	2,189	2,142	38.3	37.0
Commercial	1,484	1,605	1,926	1,946	1,881	1,978	2,051	2,027	31.5	35.0
Industrial	1,381	1,484	1,608	1,592	1,460	1,577	1,644	1,626	29.3	28.1
Other	42	42	42	45	NA	NA	NA	NA	0.9	NA
All Sectors	4,716	5,104	5,585	5,629	5,352	5,664	5,883	5,795	100.0	100.0
Retail Revenue (million dollars)										
Residential	168	208	255	262	258	273	284	287	42.9	43.5
Commercial	126	157	217	216	212	226	232	237	32.3	35.9
Industrial	91	112	127	126	117	126	128	135	23.4	20.6
Other	5	6	8	9	NA	NA	NA	NA	1.3	NA
All Sectors	390	483	607	612	588	624	644	659	100.0	100.0
Average Retail Prices (cents/KWh)										
Residential	9.27	10.52	12.67	12.78	12.82	12.94	12.96	13.39	NA	NA
Commercial	8.50	9.80	11.28	11.10	11.29	11.42	11.33	11.67	NA	NA
Industrial	6.62	7.56	7.89	7.90	8.05	7.96	7.77	8.33	NA	NA
Other	12.13	14.03	18.85	19.26	NA	NA	NA	NA	NA	NA
All Sectors	8.28	9.46	10.86	10.87	10.98	11.02	10.95	11.37	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2006

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Vermont								
Number of Entities	4	15	NA	2	NA	NA	NA	21
Number of Retail Customers	251,370	53,995	NA	50,156	NA	NA	NA	355,521
Retail Sales (thousand megawatthours)	4,471	788	NA	537	NA	NA	NA	5,795
Percentage of Retail Sales	77.15	13.59	NA	9.26	NA	NA	NA	100.00
Revenue from Retail Sales (million dollars)	488	99	NA	72	NA	NA	NA	659
Percentage of Revenue	74.08	14.95	NA	10.97	NA	NA	NA	100.00
Average Retail Price (cents/kWh)	10.92	12.51	NA	13.46	NA	NA	NA	11.37

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 services. 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.

Table 10. Supply and Disposition of Electricity, 1990, 1995, and 2001 Through 2006
(Million Kilowatthours)

Category	1990	1995	2001	2002	2003	2004	2005	2006
Vermont								
Supply								
Generation								
Electric Utilities	4,993	4,840	4,734	2,971	626	643	674	803
Independent Power Producers	134	280	711	2,465	5,396	4,800	5,013	6,256
Electric Power Sector Generation Subtotal	**5,126**	**5,120**	**5,445**	**5,437**	**6,022**	**5,444**	**5,687**	**7,059**
Combined Heat and Power, Industrial	38	40	35	20	6	27	30	25
Industrial and Commercial Generation Subtotal	**38**	**40**	**35**	**20**	**6**	**27**	**30**	**25**
Total Net Generation	**5,164**	**5,160**	**5,481**	**5,456**	**6,028**	**5,470**	**5,717**	**7,084**
Total International Imports	**1,809**	**4,394**	**2,999**	**2,433**	**1,942**	**1,952**	**2,159**	**2,505**
Total Supply	**6,973**	**9,554**	**8,480**	**7,890**	**7,969**	**7,422**	**7,876**	**9,589**
Disposition								
Retail Sales								
Full Service Providers	4,716	5,104	5,585	5,629	5,337	5,664	5,883	5,795
Facility Direct Retail Sales	-	-	-	-	16	-	-	-
Total Electric Industry Retail Sales	**4,716**	**5,104**	**5,585**	**5,629**	**5,352**	**5,664**	**5,883**	**5,795**
Direct Use	**34**	**60**	**69**	**70**	**71**	**71**	**30**	**26**
Total International Exports	**99**	**443**	**-**	**-**	**26**	**14**	**43**	**80**
Estimated Losses	**354**	**387**	**446**	**599**	**446**	**362**	**402**	**404**
Total Disposition	**5,202**	**5,994**	**6,100**	**6,298**	**5,895**	**6,111**	**6,358**	**6,304**
Net Interstate Trade	**1,770**	**3,559**	**2,379**	**1,592**	**2,075**	**1,311**	**1,518**	**3,286**
Net Trade Index (ratio)	**1.34**	**1.59**	**1.39**	**1.25**	**1.35**	**1.21**	**1.24**	**1.52**

R = Revised.
NA = Not applicable; NM = Not meaningful.
W = Withheld to avoid disclosure of individual company data.
- = Data not available.
* = 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 10 Notes: Estimated Losses are reported at the utility level, and then allocated to States based on the utility's retail sales by State. Reported losses may include electricity unaccounted for by the utility. Net Interstate Trade represents the difference between the amount of electricity produced in the State and consumed in the State. Positive values indicate a State that is a net interstate exporter of electricity; negative values indicate a State that is a net interstate importer of electricity. The Net Trade Index represents a State's electricity self-sufficiency. Values greater than 1 indicate that, on an annual net basis, the State supplied electricity consumed outside the State; values less than 1 indicate that, on an annual net basis, the State consumed electricity produced outside the State.
General Notes: Table 4 "Other Renewables" includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. The "Other" category includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. However, Table 5 "Other Renewables" includes only biogenic municipal solid waste, in addition to wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. In Table 5 "Other" includes Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. In Table 7, "Other Renewables" emissions include biogenic municipal solid waste, and other renewable 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.

Table 1. 2006 Summary Statistics

Item	Value	U.S. Rank
Virginia		
NERC Region(s)		**RFC/SERC**
Primary Energy Source		**Coal**
Net Summer Capacity (megawatts)	**22,648**	**17**
Electric Utilities	18,166	15
Independent Power Producers & Combined Heat and Power	4,482	20
Net Generation (megawatthours)	**73,069,537**	**21**
Electric Utilities	61,176,351	17
Independent Power Producers & Combined Heat and Power	11,893,186	26
Emissions (thousand metric tons)		
Sulfur Dioxide	197	18
Nitrogen Oxide	59	31
Carbon Dioxide	42,068	22
Sulfur Dioxide (lbs/MWh)	5.9	18
Nitrogen Oxide (lbs/MWh)	1.8	33
Carbon Dioxide (lbs/MWh)	1,269	30
Total Retail Sales (megawatthours)	**106,721,241**	**11**
Full Service Provider Sales (megawatthours)	106,679,301	9
Deregulated Sales (megawatthours)	41,940	20
Direct Use (megawatthours)	**2,618,130**	**12**
Average Retail Price (cents/kWh)	**6.86**	**39**

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capacity, 2006

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
Virginia			
1. Bath County	Pumped Storage	Virginia Electric & Power Co	2,759
2. North Anna	Nuclear	Virginia Electric & Power Co	1,835
3. Possum Point	Gas	Virginia Electric & Power Co	1,706
4. Chesterfield	Coal	Virginia Electric & Power Co	1,631
5. Surry	Nuclear	Virginia Electric & Power Co	1,598
6. Yorktown	Coal	Virginia Electric & Power Co	1,141
7. Tenaska Virginia Generating Station	Gas	Tenaska Virginia Partners LP	904
8. Clover	Coal	Virginia Electric & Power Co	865
9. Doswell Energy Center	Gas	Doswell Ltd Partnership	820
10. Chesapeake	Coal	Virginia Electric & Power Co	710

See footnotes at end of tables.

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2006
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
Virginia						
1. Virginia Electric & Power Co	Investor-Owned	71,976,937	27,049,584	36,350,223	8,413,847	163,283
2. Appalachian Power Co	Investor-Owned	15,953,130	6,336,229	3,947,029	5,669,872	-
3. The Potomac Edison Co	Investor-Owned	2,988,107	1,244,383	680,853	1,062,871	-
4. Northern Virginia Elec Coop	Cooperative	2,977,640	1,812,479	780,932	384,229	-
5. Rappahannock Electric Coop	Cooperative	2,437,276	1,360,079	122,106	955,091	-
Total Sales, Top Five Providers		96,333,090	37,802,754	41,881,143	16,485,910	163,283
Percent of Total State Sales		90	88	94	87	100

See footnotes at end of tables.

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatts)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Virginia										
Electric Utilities	**13,661**	**14,342**	**15,761**	**15,818**	**17,128**	**17,567**	**18,091[R]**	**18,166**	**90.7**	**80.2**
Coal	4,225	5,451	4,784	4,789	4,468	4,468	4,586[R]	4,586	28.0	20.2
Petroleum	2,753[R]	1,374[R]	2,180	2,083	2,081	2,098	2,031	2,027	18.3	8.9
Natural Gas	192[R]	995[R]	2,248	2,097	3,714	4,101	4,395[R]	4,395	1.3	19.4
Nuclear	3,382	3,392	3,467	3,467	3,467	3,440	3,432	3,432	22.4	15.2
Hydroelectric	764	786	738	738	759	760	650	650	5.1	2.9
Other Renewables	*	*	-	-	-	-	80[R]	80	*	0.4
Pumped Storage	2,345	2,345	2,345	2,645	2,638	2,700	2,917	2,997	15.6	13.2
Independent Power Producers and Combined Heat and Power	**1,404**	**3,328**	**4,325**	**4,387**	**4,130**	**4,939**	**4,509[R]**	**4,482**	**9.3**	**19.8**
Coal	373	925	1,353	1,328	1,328	1,329	1,197[R]	1,188	2.5	5.2
Petroleum	-	12	361	361	361	359	359	359	-	1.6
Natural Gas	531	1,808	2,021	2,094	1,844	2,654	2,433[R]	2,414	3.5	10.7
Hydroelectric	13	21	20	20	21	22	22	21	0.1	0.1
Other Renewables	487	562	570	584	576	575	498[R]	501	3.2	2.2
Total Electric Industry	**15,065**	**17,670**	**20,086**	**20,205**	**21,258**	**22,506**	**22,599**	**22,648**	**100.0**	**100.0**
Coal	4,598	6,376	6,137	6,117	5,796	5,797	5,783	5,774	30.5	25.5
Petroleum	2,753[R]	1,386[R]	2,541	2,444	2,442	2,457	2,390	2,386	18.3	10.5
Natural Gas	723[R]	2,802[R]	4,268	4,191	5,558	6,754	6,828	6,809	4.8	30.1
Nuclear	3,382	3,392	3,467	3,467	3,467	3,440	3,432	3,432	22.4	15.2
Hydroelectric	778	807	758	757	780	782	672	671	5.2	3.0
Other Renewables	487	562	570	584	576	575	577	580	3.2	2.6
Pumped Storage	2,345	2,345	2,345	2,645	2,638	2,700	2,917	2,997	15.6	13.2

See footnotes at end of tables.

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatthours)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Virginia										
Electric Utilities	**47,200,499**	**52,727,470**	**62,135,492**	**62,880,125**	**61,806,347**	**65,103,653**	**65,456,080**	**61,176,351**	**89.8**	**83.7**
Coal	21,000,180	24,442,870	30,657,436	31,099,307	29,145,703	27,772,985	28,803,324	28,553,670	40.0	39.1
Petroleum	1,194,150	1,119,524	4,854,800	3,454,714	4,982,314	4,664,410	3,809,135	662,100	2.3	0.9
Natural Gas	758,289	1,880,982	2,130,640	2,128,402	2,690,674	3,976,271	4,414,479	3,781,091	1.4	5.2
Nuclear	23,820,152	25,134,831	25,759,130	27,346,163	24,816,022	28,315,294	27,918,481	27,593,516	45.3	37.8
Hydroelectric	1,261,363	917,654	973,563	840,374	1,669,793	1,490,114	1,391,152	1,270,707	2.4	1.7
Other Renewables	34	3	-	-	-	50,690	540,332	482,711	*	0.7
Pumped Storage	-833,669	-768,394	-2,240,077	-1,988,835	-1,498,159	-1,166,111	-1,420,823	-1,167,444	-1.6	-1.6
Independent Power Producers and Combined Heat and Power	**5,363,959**	**10,268,551**	**11,969,258**	**12,125,527**	**13,503,073**	**13,796,387**	**13,486,965**	**11,893,186**	**10.2**	**16.3**
Coal	2,899,722	4,054,195	7,112,475	6,983,074	7,947,628	7,885,708	6,647,051	5,751,501	5.5	7.9
Petroleum	244,114	481,155	606,813	337,891	798,022	473,080	467,133[R]	152,681	0.5	0.2
Natural Gas	376,520	3,550,863	2,065,431	2,258,525	1,928,391	2,441,158	3,841,305	3,419,621	0.7	4.7
Other Gases	-	-	-	-	2,959	-	-	-	-	-
Hydroelectric	48,136	77,372	40,661	27,842	111,776	92,936	93,201	80,487	0.1	0.1
Other Renewables	1,795,467	2,099,600	1,747,072	2,071,272	2,261,359	2,414,483	1,957,093[R]	1,998,787	3.4	2.7
Other	-	5,366	396,806	446,923	452,936	489,023	481,182	490,108	-	0.7
Total Electric Industry	**52,564,458**	**62,996,021**	**74,104,750**	**75,005,652**	**75,309,420**	**78,900,040**	**78,943,045**	**73,069,537**	**100.0**	**100.0**
Coal	23,899,902	28,497,065	37,769,911	38,082,381	37,093,331	35,658,693	35,450,375	34,305,171	45.5	46.9
Petroleum	1,438,264	1,600,679	5,461,613	3,792,605	5,780,336	5,137,490	4,276,268[R]	814,781	2.7	1.1
Natural Gas	1,134,809	5,431,845	4,196,071	4,386,927	4,619,065	6,417,429	8,255,784	7,200,712	2.2	9.9
Other Gases	-	-	-	-	2,959	-	-	-	-	-
Nuclear	23,820,152	25,134,831	25,759,130	27,346,163	24,816,022	28,315,294	27,918,481	27,593,516	45.3	37.8
Hydroelectric	1,309,499	995,026	1,014,224	868,216	1,781,569	1,583,050	1,484,353	1,351,194	2.5	1.8
Other Renewables	1,795,501	2,099,603	1,747,072	2,071,272	2,261,359	2,465,173	2,497,425[R]	2,481,498	3.4	3.4
Pumped Storage	-833,669	-768,394	-2,240,077	-1,988,835	-1,498,159	-1,166,111	-1,420,823	-1,167,444	-1.6	-1.6
Other	-	5,366	396,806	446,923	452,936	489,023	481,182	490,108	-	0.7

See footnotes at end of tables.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1990, 1995, and 2001 Through 2006

Fuel, Quality	1990	1995	2001	2002	2003	2004	2005	2006
Virginia								
Coal (cents per million Btu)	155	145	159	169	167	195	233	245
Average heat value (Btu per pound)	12,714	12,743	12,730	12,845	12,826	12,713	12,650	12,592
Average sulfur Content (percent)	0.96	1.03	1.02	1.16	0.97	0.94	1.00	1.04
Petroleum (cents per million Btu)	384	251	357	380	499	497	761	875
Average heat value (Btu per gallon)	146,360	146,179	148,810	149,779	149,367	150,757	149,019	150,090
Average sulfur Content (percent)	0.89	0.89	1.04	0.99	0.64	0.78	0.65	0.48
Natural Gas (cents per million Btu)	258	259	440	413	618	665	934	751
Average heat value (Btu per cubic foot)	1,041	1,031	1,020	1,035	1,035	1,032	1,034	1,035

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1990, 1995, and 2001 Through 2006
(Thousand Metric Tons)

Emission Type	1990	1995	2001	2002	2003	2004	2005	2006
Virginia								
Sulfur Dioxide								
Coal	194	219	210	254	200	182	203	173
Petroleum	12	5	23	21	25	23	18	10
Natural Gas	*	*	*	*	*	*	*	*
Other	10	13	14	17	12	12	13	14
Total	216	237	247	292	237	217	233	197
Nitrogen Oxide								
Coal	107	119	84	102	63	54	53	48
Petroleum	3	2	8	6	7	5	4	2
Natural Gas	1	5	5	3	3	3	3	2
Other	4	5	11	13	7	7	7	7
Total	115	132	108	125	79	68	66	59
Carbon Dioxide								
Coal	25,864	31,049	39,239	39,770	38,177	38,303	37,983	36,422
Petroleum	1,584	1,751	4,398	3,044	4,658	4,353	3,680	933
Natural Gas	637	2,853	2,260	2,916	2,344	3,138	5,010	3,662
Other Renewables	393	527	773	875	908	1,008	1,036	1,052
Total	28,478	36,181	46,670	46,605	46,087	46,802	47,709	42,068

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1990, 1995, and 2001 Through 2006

Sector	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Virginia										
Retail Sales (thousand megawatthours)										
Residential	28,130	33,472	37,325	40,358	40,877	42,503	44,662	42,906	38.7	40.2
Commercial	20,213	24,028	29,066	29,999	41,179	43,025	44,670	44,654	27.8	41.8
Industrial	16,399	18,554	19,702	19,521	19,282	19,734	19,354	18,998	22.6	17.8
Other	7,955	9,109	10,360	10,740	NA	NA	NA	NA	10.9	NA
Transportation	NA	NA	NA	NA	172	162	163	163	NA	0.2
All Sectors	72,696	85,162	96,453	100,619	101,510	105,424	108,850	106,721	100.0	100.0
Retail Revenue (million dollars)										
Residential	2,039	2,626	2,908	3,144	3,174	3,397	3,645	3,642	46.5	49.8
Commercial	1,225	1,458	1,701	1,762	2,365	2,530	2,705	2,775	27.9	37.9
Industrial	700	772	820	807	815	843	863	891	16.0	12.2
Other	422	474	535	553	NA	NA	NA	NA	9.6	NA
Transportation	NA	NA	NA	NA	9	10	11	11	NA	0.2
All Sectors	4,386	5,331	5,964	6,265	6,364	6,780	7,223	7,319	100.0	100.0
Average Retail Prices (cents/KWh)										
Residential	7.25	7.84	7.79	7.79	7.76	7.99	8.16	8.49	NA	NA
Commercial	6.06	6.07	5.85	5.87	5.74	5.88	6.05	6.21	NA	NA
Industrial	4.27	4.16	4.16	4.13	4.23	4.27	4.46	4.69	NA	NA
Other	5.31	5.21	5.16	5.14	NA	NA	NA	NA	NA	NA
Transportation	NA	NA	NA	NA	5.46	6.25	6.81	6.81	NA	NA
All Sectors	6.03	6.26	6.18	6.23	6.27	6.43	6.64	6.86	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2006

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Virginia								
Number of Entities	5	16	1	13	1	2	3	41
Number of Retail Customers	2,871,373	162,463	1	458,065	1	1,338	NA	3,493,241
Retail Sales (thousand megawatthours)	92,223	4,883	10	9,418	145	42	NA	106,721
Percentage of Retail Sales	86.42	4.58	0.01	8.82	0.14	0.04	NA	100.00
Revenue from Retail Sales (million dollars)	5,970	355	*	981	7	4	1	7,319
Percentage of Revenue	81.57	4.85	*	13.41	0.10	0.06	0.01	100.00
Average Retail Price (cents/kWh)	6.47	7.27	3.50	10.42	4.93	9.73	1.37	6.86

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 services. 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.

Table 10. Supply and Disposition of Electricity, 1990, 1995, and 2001 Through 2006

(Million Kilowatthours)

Category	1990	1995	2001	2002	2003	2004	2005	2006
Virginia								
Supply								
Generation								
Electric Utilities	47,200	52,727	62,135	62,880	61,806	65,104	65,456	61,176
Independent Power Producers	428	3,341	4,697	4,828	6,058	6,263	5,279	4,636
Combined Heat and Power, Electric	2,162	3,856	4,593	4,074	4,368	4,509	5,251	4,409
Electric Power Sector Generation Subtotal	**49,790**	**59,925**	**71,426**	**71,783**	**72,232**	**75,876**	**75,986**	**70,221**
Combined Heat and Power, Commercial	265	554	515	456	332	361	389	347
Combined Heat and Power, Industrial	2,509	2,517	2,164	2,767	2,745	2,664	2,568	2,502
Industrial and Commercial Generation Subtotal	**2,774**	**3,071**	**2,679**	**3,223**	**3,077**	**3,024**	**2,957**	**2,849**
Total Net Generation	**52,564**	**62,996**	**74,105**	**75,006**	**75,309**	**78,900**	**78,943**	**73,070**
Total International Imports	**-**	**-**	**-**	*****	*****	**-**	**-**	**-**
Total Supply	**52,564**	**62,996**	**74,105**	**75,006**	**75,309**	**78,900**	**78,943**	**73,070**
Disposition								
Retail Sales								
Full Service Providers	72,696	85,162	95,844	100,305	101,324	105,237	108,676	106,534
Energy-Only Providers	-	-	609	313	31	26	22	42
Facility Direct Retail Sales	-	-	-	-	155	161	151	145
Total Electric Industry Retail Sales	**72,696**	**85,162**	**96,453**	**100,619**	**101,510**	**105,424**	**108,850**	**106,721**
Direct Use	**2,627**	**2,699**	**2,895**	**2,958**	**2,995**	**2,999**	**2,577**	**2,618**
Estimated Losses	**5,451**	**6,465**	**11,059**	**6,819**	**7,432**	**6,184**	**7,107**	**9,026**
Total Disposition	**80,774**	**94,327**	**110,407**	**110,395**	**111,937**	**114,607**	**118,534**	**118,365**
Net Interstate Trade	**-28,209**	**-31,331**	**-36,302**	**-35,389**	**-36,628**	**-35,707**	**-39,591**	**-45,296**
Net Trade Index (ratio)	**0.65**	**0.67**	**0.67**	**0.68**	**0.67**	**0.69**	**0.67**	**0.62**

R = Revised.
NA = Not applicable; NM = Not meaningful.
W = Withheld to avoid disclosure of individual company data.
- = Data not available.
* = 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 10 Notes: Estimated Losses are reported at the utility level, and then allocated to States based on the utility's retail sales by State. Reported losses may include electricity unaccounted for by the utility. Net Interstate Trade represents the difference between the amount of electricity produced in the State and consumed in the State. Positive values indicate a State that is a net interstate exporter of electricity; negative values indicate a State that is a net interstate importer of electricity. The Net Trade Index represents a State's electricity self-sufficiency. Values greater than 1 indicate that, on an annual net basis, the State supplied electricity consumed outside the State; values less than 1 indicate that, on an annual net basis, the State consumed electricity produced outside the State.
General Notes: Table 4 "Other Renewables" includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. The "Other" category includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. However, Table 5 "Other Renewables" includes only biogenic municipal solid waste, in addition to wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. In Table 5 "Other" includes Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. In Table 7, "Other Renewables" emissions include biogenic municipal solid waste, and other renewable 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.

Table 1. 2006 Summary Statistics

Item	Value	U.S. Rank
Washington		
NERC Region(s)		**WECC**
Primary Energy Source		**Hydroelectric**
Net Summer Capacity (megawatts)	**28,224**	**11**
Electric Utilities	24,303	6
Independent Power Producers & Combined Heat and Power	3,920	23
Net Generation (megawatthours)	**108,203,155**	**13**
Electric Utilities	94,067,080	11
Independent Power Producers & Combined Heat and Power	14,136,075	21
Emissions (thousand metric tons)		
Sulfur Dioxide	11	43
Nitrogen Oxide	20	40
Carbon Dioxide	10,360	40
Sulfur Dioxide (lbs/MWh)	0.2	50
Nitrogen Oxide (lbs/MWh)	0.4	49
Carbon Dioxide (lbs/MWh)	211	49
Total Retail Sales (megawatthours)	**85,033,335**	**16**
Full Service Provider Sales (megawatthours)	82,941,354	16
Deregulated Sales (megawatthours)	2,091,981	14
Direct Use (megawatthours)	**759,485**	**32**
Average Retail Price (cents/kWh)	**6.14**	**45**

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capacity, 2006

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
Washington			
1. Grand Coulee	Hydroelectric	U S Bureau of Reclamation	7,079
2. Chief Joseph	Hydroelectric	USCE-North Pacific Division	2,456
3. Transalta Centralia Generation	Coal	TransAlta Centralia Gen LLC	1,661
4. Rocky Reach	Hydroelectric	PUD No 1 of Chelan County	1,279
5. Columbia Generating Station	Nuclear	Energy Northwest	1,131
6. Boundary	Hydroelectric	Seattle City of	1,070
7. Wanapum	Hydroelectric	PUD No 2 of Grant County	999
8. Priest Rapids	Hydroelectric	PUD No 2 of Grant County	932
9. Wells	Hydroelectric	PUD No 1 of Douglas County	840
10. Lower Granite	Hydroelectric	USCE-North Pacific Division	810
10. Little Goose	Hydroelectric	USCE-North Pacific Division	810
10. Lower Monumental	Hydroelectric	USCE-North Pacific Division	810

See footnotes at end of tables.

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2006
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
Washington						
1. Puget Sound Energy Inc	Investor-Owned	21,091,533	10,654,059	9,060,957	1,376,517	-
2. Seattle City of	Public	9,454,505	3,060,651	5,052,063	1,341,505	286
3. Snohomish County PUD No 1	Public	6,483,487	3,309,591	2,308,328	865,568	-
4. Avista Corp	Investor-Owned	5,411,417	2,431,601	2,161,915	817,901	-
5. Tacoma City of	Public	4,731,907	1,822,438	323,917	2,584,708	844
Total Sales, Top Five Providers		47,172,849	21,278,340	18,907,180	6,986,199	1,130
Percent of Total State Sales		55	62	66	32	100

See footnotes at end of tables.

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatts)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Washington										
Electric Utilities	**24,173**	**24,277**	**24,055**	**24,141**	**24,216**	**23,878**	**24,065[R]**	**24,303**	**98.5**	**86.1**
Coal	1,310	1,340	-	-	-	-	-	-	5.3	-
Petroleum	173	88	133	40	39	39	39	39	0.7	0.1
Natural Gas	590	590	987	1,146	1,153	1,184	1,141	1,138	2.4	4.0
Nuclear	1,100	1,107	1,108	1,108	1,108	1,122	1,131	1,131	4.5	4.0
Hydroelectric	20,640	20,795	21,367	21,392	21,408	21,010	21,081[R]	21,094	84.1	74.7
Other Renewables	46	97	147	142	194	210	360	588	0.2	2.1
Pumped Storage	314	261	314	314	314	314	314	314	1.3	1.1
Independent Power Producers and Combined Heat and Power	**372**	**977**	**2,590**	**2,971**	**3,473**	**3,695**	**3,726[R]**	**3,920**	**1.5**	**13.9**
Coal	16	2	1,407	1,407	1,407	1,407	1,405	1,405	0.1	5.0
Petroleum	22	-	168	176	176	-	2	2	0.1	*
Natural Gas	113	736	559	938	1,433	1,829	1,853	1,853	0.5	6.6
Hydroelectric	89	97	86	72	48	60	65[R]	62	0.4	0.2
Other Renewables	132	142	370	378	408	399	401	598	0.5	2.1
Total Electric Industry	**24,545**	**25,254**	**26,645**	**27,112**	**27,689**	**27,573**	**27,791**	**28,224**	**100.0**	**100.0**
Coal	1,326	1,342	1,407	1,407	1,407	1,407	1,405	1,405	5.4	5.0
Petroleum	196	88	301	216	215	39	40	40	0.8	0.1
Natural Gas	703	1,326	1,546	2,085	2,586	3,013	2,994	2,991	2.9	10.6
Nuclear	1,100	1,107	1,108	1,108	1,108	1,122	1,131	1,131	4.5	4.0
Hydroelectric	20,729	20,892	21,453	21,464	21,457	21,070	21,146	21,156	84.5	75.0
Other Renewables	178	239	517	519	602	609	761	1,186	0.7	4.2
Pumped Storage	314	261	314	314	314	314	314	314	1.3	1.1

See footnotes at end of tables.

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatthours)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Washington										
Electric Utilities	**100,478,861**	**95,671,478**	**67,683,216**	**88,568,483**	**82,205,391**	**83,500,909**	**83,152,928**	**94,067,080**	**98.4**	**86.9**
Coal	7,351,520	5,877,093	-	-	-	-	-	-	7.2	-
Petroleum	14,290	8,711	179,120	6,172	7,851	13,112	2,416	8,517	*	*
Natural Gas	15,501	554,405	4,378,072	1,084,370	2,256,386	2,286,578	2,155,528	1,672,572	*	1.5
Nuclear	5,742,027	6,941,878	8,250,429	9,048,475	7,614,708	8,981,583	8,242,273	9,328,277	5.6	8.6
Hydroelectric	87,022,217	82,028,297	54,517,234	77,833,286	71,540,502	71,393,131	71,894,440	81,791,115	85.3	75.6
Other Renewables	333,306	261,094	358,361	600,712	789,237	836,323	849,798	1,219,500	0.3	1.1
Pumped Storage	-	-	-	-4,532	-3,293	-9,818	8,473	47,099	-	*
Independent Power Producers and Combined Heat and Power	**1,592,672**	**6,526,108**	**15,365,453**	**14,196,564**	**17,889,300**	**18,664,143**	**18,812,922**	**14,136,075**	**1.6**	**13.1**
Coal	38,759	25,852	9,082,358	8,660,804	11,089,796	10,413,457	10,506,174	6,384,724	*	5.9
Petroleum	28,691	170,204	141,239	67,130	58,741	68,241	61,765	28,162	*	*
Natural Gas	272,557	4,335,199	4,996,173	3,634,941	4,826,219	6,193,097	6,425,768[R]	5,826,746	0.3	5.4
Other Gases	8,460	550,836	-	312,638	303,188	256,823	308,082	334,734	*	0.3
Hydroelectric	444,491	471,856	216,661	333,378	216,281	182,569	180,209	216,514	0.4	0.2
Other Renewables	795,964	971,982	862,970	1,123,454	1,339,068	1,483,092	1,266,102[R]	1,283,010	0.8	1.2
Other	3,750	179	66,052	64,219	56,007	66,864	64,822	62,185	*	0.1
Total Electric Industry	**102,071,533**	**102,197,586**	**83,048,669**	**102,765,047**	**100,094,691**	**102,165,052**	**101,965,850**	**108,203,155**	**100.0**	**100.0**
Coal	7,390,279	5,902,945	9,082,358	8,660,804	11,089,796	10,413,457	10,506,174	6,384,724	7.2	5.9
Petroleum	42,981	178,915	320,359	73,302	66,592	81,353	64,181	36,679	*	*
Natural Gas	288,058	4,889,604	9,374,245	4,719,311	7,082,605	8,479,675	8,581,296[R]	7,499,318	0.3	6.9
Other Gases	8,460	550,836	-	312,638	303,188	256,823	308,082	334,734	*	0.3
Nuclear	5,742,027	6,941,878	8,250,429	9,048,475	7,614,708	8,981,583	8,242,273	9,328,277	5.6	8.6
Hydroelectric	87,466,708	82,500,153	54,733,895	78,166,664	71,756,783	71,575,700	72,074,649	82,007,629	85.7	75.8
Other Renewables	1,129,270	1,233,076	1,221,331	1,724,166	2,128,305	2,319,415	2,115,900[R]	2,502,510	1.1	2.3
Pumped Storage	-	-	-	-4,532	-3,293	-9,818	8,473	47,099	-	*
Other	3,750	179	66,052	64,219	56,007	66,864	64,822	62,185	*	0.1

See footnotes at end of tables.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1990, 1995, and 2001 Through 2006

Fuel, Quality	1990	1995	2001	2002	2003	2004	2005	2006
Washington								
Coal (cents per million Btu)	158	144	-	W	W	W	W	W
Average heat value (Btu per pound)	8,135	8,267	-	8,014	8,052	8,151	8,131	8,532
Average sulfur Content (percent)	0.70	0.69	-	1.01	1.00	0.93	0.75	0.69
Petroleum (cents per million Btu)	511	485	-	W	W	W	W	W
Average heat value (Btu per gallon)	140,948	139,952	-	137,098	145,438	139,331	137,340	142,807
Average sulfur Content (percent)	0.33	0.30	-	0.31	0.27	0.90	0.58	0.41
Natural Gas (cents per million Btu)	-	438	-	354	415	457	649	565
Average heat value (Btu per cubic foot)	-	1,050	-	1,034	1,029	1,029	1,027	1,028

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1990, 1995, and 2001 Through 2006
(Thousand Metric Tons)

Emission Type	1990	1995	2001	2002	2003	2004	2005	2006
Washington								
Sulfur Dioxide								
Coal	57	45	63	18	8	7	4	2
Petroleum	2	1	1	2	1	1	1	2
Natural Gas	*	*	*	*	*	*	*	*
Other	9	8	7	6	7	7	7	7
Total	68	54	71	25	16	15	11	11
Nitrogen Oxide								
Coal	50	40	18	14	18	14	15	8
Petroleum	*	*	1	*	*	*	*	1
Natural Gas	1	6	12	5	7	5	5	5
Other	3	3	5	5	5	5	5	6
Total	55	49	36	24	31	24	26	20
Carbon Dioxide								
Coal	7,788	6,275	9,413	9,538	11,215	10,653	10,690	6,532
Petroleum	159	237	478	277	304	351	316	262
Natural Gas	459	2,884	5,474	2,598	3,429	3,853	3,783	3,448
Other Renewables	-	121	123	110	96	119	119	118
Total	8,407	9,516	15,488	12,523	15,043	14,976	14,907	10,360

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1990, 1995, and 2001 Through 2006

Sector	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Washington										
Retail Sales (thousand megawatthours)										
Residential	28,809	30,147	31,608	32,066	31,872	32,455	33,212	34,439	31.6	40.5
Commercial	17,683	20,401	23,841	24,310	28,039	28,226	28,100	28,580	19.4	33.6
Industrial	40,712	34,276	19,339	15,792	18,180	19,259	22,112	22,013	44.7	25.9
Other	3,842	3,528	3,707	3,237	NA	NA	NA	NA	4.2	NA
Transportation	NA	NA	NA	NA	42	42	2	1	NA	*
All Sectors	91,046	88,353	78,495	75,404	78,134	79,982	83,425	85,033	100.0	100.0
Retail Revenue (million dollars)										
Residential	1,266	1,497	1,802	2,018	2,010	2,069	2,173	2,350	40.9	45.0
Commercial	734	982	1,298	1,485	1,701	1,742	1,778	1,896	23.7	36.3
Industrial	972	1,014	919	770	866	825	943	976	31.4	18.7
Other	120	132	174	160	NA	NA	NA	NA	3.9	NA
Transportation	NA	NA	NA	NA	3	3	*	*	NA	*
All Sectors	3,092	3,626	4,193	4,433	4,580	4,638	4,894	5,222	100.0	100.0
Average Retail Prices (cents/KWh)										
Residential	4.39	4.97	5.70	6.29	6.31	6.37	6.54	6.82	NA	NA
Commercial	4.15	4.82	5.45	6.11	6.07	6.17	6.33	6.63	NA	NA
Industrial	2.39	2.96	4.75	4.88	4.76	4.28	4.27	4.44	NA	NA
Other	3.13	3.75	4.69	4.94	NA	NA	NA	NA	NA	NA
Transportation	NA	NA	NA	NA	6.45	6.44	6.44	5.93	NA	NA
All Sectors	3.40	4.10	5.34	5.88	5.86	5.80	5.87	6.14	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2006

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Washington								
Number of Entities	3	40	1	18	NA	3	1	66
Number of Retail Customers	1,375,761	1,534,880	11	157,263	NA	18	NA	3,067,933
Retail Sales (thousand megawatthours)	30,669	45,757	2,709	3,807	NA	2,092	NA	85,033
Percentage of Retail Sales	36.07	53.81	3.19	4.48	NA	2.46	NA	100.00
Revenue from Retail Sales (million dollars)	2,207	2,585	76	226	NA	117	11	5,222
Percentage of Revenue	42.26	49.49	1.46	4.32	NA	2.25	0.22	100.00
Average Retail Price (cents/kWh)	7.20	5.65	2.81	5.93	NA	5.62	0.55	6.14

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 services. 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.

Table 10. Supply and Disposition of Electricity, 1990, 1995, and 2001 Through 2006
(Million Kilowatthours)

Category	1990	1995	2001	2002	2003	2004	2005	2006
Washington								
Supply								
Generation								
Electric Utilities	100,479	95,671	67,683	88,568	82,205	83,501	83,153	94,067
Independent Power Producers	177	365	9,454	9,817	13,541	15,054	15,287	10,887
Combined Heat and Power, Electric	8	4,693	4,427	3,268	3,350	2,583	2,517	2,385
Electric Power Sector Generation Subtotal	**100,664**	**100,729**	**81,564**	**101,654**	**99,097**	**101,138**	**100,956**	**107,339**
Combined Heat and Power, Commercial	101	110	138	33	77	95	73	78
Combined Heat and Power, Industrial	1,307	1,358	1,347	1,078	920	932	937	786
Industrial and Commercial Generation Subtotal	**1,407**	**1,468**	**1,485**	**1,111**	**998**	**1,027**	**1,010**	**864**
Total Net Generation	**102,072**	**102,198**	**83,049**	**102,765**	**100,095**	**102,165**	**101,966**	**108,203**
Total International Imports	**280**	**883**	**3,152**	**4,362**	**3,445**	**2,229**	**2,533**	**2,430**
Total Supply	**102,352**	**103,081**	**86,201**	**107,127**	**103,540**	**104,394**	**104,498**	**110,633**
Disposition								
Retail Sales								
Full Service Providers	91,046	88,353	77,324	74,316	76,104	79,606	81,395	82,941
Energy-Only Providers	-	-	1,171	1,088	2,021	376	2,030	2,092
Facility Direct Retail Sales	-	-	-	-	9	-	-	-
Total Electric Industry Retail Sales	**91,046**	**88,353**	**78,495**	**75,404**	**78,134**	**79,982**	**83,425**	**85,033**
Direct Use	**1,218**	**1,418**	**1,346**	**1,375**	**1,393**	**1,394**	**522**	**759**
Total International Exports	**37**	**26**	**8,210**	**5,549**	**5,402**	**7,077**	**5,537**	**11,086**
Estimated Losses	**6,826**	**6,707**	**6,777**	**7,338**	**5,826**	**4,511**	**6,017**	**5,288**
Total Disposition	**99,128**	**96,504**	**94,828**	**89,666**	**90,754**	**92,964**	**95,502**	**102,167**
Net Interstate Trade	**3,224**	**6,577**	**-8,627**	**17,460**	**12,786**	**11,430**	**8,996**	**8,465**
Net Trade Index (ratio)	**1.03**	**1.07**	**0.91**	**1.19**	**1.14**	**1.12**	**1.09**	**1.08**

R = Revised.
NA = Not applicable; NM = Not meaningful.
W = Withheld to avoid disclosure of individual company data.
- = Data not available.
* = 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 10 Notes: Estimated Losses are reported at the utility level, and then allocated to States based on the utility's retail sales by State. Reported losses may include electricity unaccounted for by the utility. Net Interstate Trade represents the difference between the amount of electricity produced in the State and consumed in the State. Positive values indicate a State that is a net interstate exporter of electricity; negative values indicate a State that is a net interstate importer of electricity. The Net Trade Index represents a State's electricity self-sufficiency. Values greater than 1 indicate that, on an annual net basis, the State supplied electricity consumed outside the State; values less than 1 indicate that, on an annual net basis, the State consumed electricity produced outside the State.
General Notes: Table 4 "Other Renewables" includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. The "Other" category includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. However, Table 5 "Other Renewables" includes only biogenic municipal solid waste, in addition to wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. In Table 5 "Other" includes Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. In Table 7, "Other Renewables" emissions include biogenic municipal solid waste, and other renewable 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.

Table 1. 2006 Summary Statistics

Item	Value	U.S. Rank
West Virginia		
NERC Region(s)		**RFC**
Primary Energy Source		**Coal**
Net Summer Capacity (megawatts)	**16,443**	**24**
Electric Utilities	11,975	21
Independent Power Producers & Combined Heat and Power	4,468	21
Net Generation (megawatthours)	**93,815,804**	**18**
Electric Utilities	68,163,826	16
Independent Power Producers & Combined Heat and Power	25,651,978	12
Emissions (thousand metric tons)		
Sulfur Dioxide	428	8
Nitrogen Oxide	140	7
Carbon Dioxide	85,075	10
Sulfur Dioxide (lbs/MWh)	10.1	5
Nitrogen Oxide (lbs/MWh)	3.3	15
Carbon Dioxide (lbs/MWh)	1,999	6
Total Retail Sales (megawatthours)	**32,312,126**	**34**
Full Service Provider Sales (megawatthours)	32,312,126	34
Direct Use (megawatthours)	**1,390,780**	**24**
Average Retail Price (cents/kWh)	**5.04**	**50**

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capacity, 2006

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
West Virginia			
1. John E Amos	Coal	Appalachian Power Co	2,900
2. Harrison Power Station	Coal	Allegheny Energy Supply Co LLC	1,945
3. Mitchell	Coal	Ohio Power Co	1,600
4. Mt Storm	Coal	Virginia Electric & Power Co	1,581
5. Mountaineer	Coal	Appalachian Power Co	1,300
6. Pleasants Power Station	Coal	Allegheny Energy Supply Co LLC	1,278
7. Fort Martin Power Station	Coal	Monongahela Power Co	1,107
8. Philip Sporn	Coal	Appalachian Power Co	1,020
9. Ceredo Generating Station	Gas	Appalachian Power Co	675
10. Kammer	Coal	Ohio Power Co	600

See footnotes at end of tables.

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2006
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
West Virginia						
1. Appalachian Power Co	Investor-Owned	16,495,201	5,541,907	3,586,476	7,366,818	-
2. Monongahela Power Co	Investor-Owned	10,351,272	3,280,823	2,551,221	4,514,878	4,350
3. The Potomac Edison Co	Investor-Owned	3,123,380	1,596,088	734,520	792,772	-
4. Wheeling Power Co	Investor-Owned	2,071,131	419,410	420,929	1,230,792	-
5. Harrison Rural Elec Assn, Inc	Cooperative	65,492	50,768	14,724	-	-
Total Sales, Top Five Providers		32,106,476	10,888,996	7,307,870	13,905,260	4,350
Percent of Total State Sales		99	99	99	100	100

See footnotes at end of tables.

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatts)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
West Virginia										
Electric Utilities	**14,435**	**14,451**	**10,188**	**10,166**	**10,164**	**10,206**	**10,890[R]**	**11,975**	**96.8**	**72.8**
Coal	14,315	14,381	10,126	10,108	10,108	10,108	10,118	11,225	96.0	68.3
Petroleum	12	12	12	12	12	12	12	12	0.1	0.1
Natural Gas	-	-	-	-	-	-	696[R]	675	-	4.1
Hydroelectric	108	58	50	46	44	86	63	63	0.7	0.4
Independent Power Producers and Combined Heat and Power	**483**	**560**	**5,629**	**6,014**	**5,960**	**6,196**	**5,570[R]**	**4,468**	**3.2**	**27.2**
Coal	307	384	4,577	4,608	4,608	4,615	4,615	3,520	2.1	21.4
Natural Gas	11	11	764	1,056	1,056	1,282	689[R]	682	0.1	4.1
Other Gases	25	25	95	95	95	95	-	-	0.2	-
Hydroelectric	140	140	193	189	135	138	201	201	0.9	1.2
Other Renewables	-	-	-	66	66	66	66	66	-	0.4
Total Electric Industry	**14,918**	**15,011**	**15,817**	**16,180**	**16,124**	**16,402**	**16,460**	**16,443**	**100.0**	**100.0**
Coal	14,622	14,765	14,703	14,716	14,716	14,723	14,733	14,745	98.0	89.7
Petroleum	12	12	12	12	12	12	12	12	0.1	0.1
Natural Gas	11	11	764	1,056	1,056	1,282	1,386	1,357	0.1	8.3
Other Gases	25	25	95	95	95	95	-	-	0.2	-
Hydroelectric	247	198	243	235	179	224	264	264	1.7	1.6
Other Renewables	-	-	-	66	66	66	66	66	-	0.4

See footnotes at end of tables.

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatthours)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
West Virginia										
Electric Utilities	**77,363,692**	**77,322,168**	**51,608,803**	**63,341,620**	**64,056,696**	**59,083,917**	**61,241,831**	**68,163,826**	**97.3**	**72.7**
Coal	76,635,718	76,690,297	51,110,900	62,801,799	63,499,194	58,508,159	60,581,576	67,391,989	96.3	71.8
Petroleum	274,419	197,097	256,951	278,679	210,060	231,515	173,196	132,400	0.3	0.1
Natural Gas	18,506	40,323	3,654	3,396	3,998	3,166	3,215	86,926	*	0.1
Hydroelectric	435,049	394,451	210,961	235,958	322,664	326,253	471,916	546,033	0.5	0.6
Other Renewables	-	-	15,527	5,019	3,728	2,071	713	-	-	-
Other	-	-	10,810	16,769	17,052	12,753	11,215	6,478	-	*
Independent Power Producers and Combined Heat and Power	**2,175,852**	**3,215,259**	**30,227,922**	**31,420,133**	**30,654,858**	**30,665,645**	**32,384,454**[R]	**25,651,978**	**2.7**	**27.3**
Coal	1,007,648	2,023,922	29,103,504	30,149,518	28,969,789	29,080,683	30,837,980	24,085,344	1.3	25.7
Petroleum	51,256	15,681	21,725	18,908	37,837	36,100	50,356	42,486	0.1	*
Natural Gas	71,557	172,551	272,211	237,745	273,839	249,602	282,180[R]	271,194	0.1	0.3
Other Gases	174,182	204,663	89,500	174,598	169,782	146,043	84,396	52,797	0.2	0.1
Hydroelectric	860,002	798,228	740,982	829,778	1,033,367	992,026	975,650	1,026,400	1.1	1.1
Other Renewables	-	-	-	9,586	170,242	161,191	153,892	173,757	-	0.2
Other	11,207	214	-	-	-	-	-	-	*	-
Total Electric Industry	**79,539,544**	**80,537,427**	**81,836,725**	**94,761,753**	**94,711,554**	**89,749,562**	**93,626,285**[R]	**93,815,804**	**100.0**	**100.0**
Coal	77,643,366	78,714,219	80,214,404	92,951,317	92,468,983	87,588,842	91,419,556	91,477,333	97.6	97.5
Petroleum	325,675	212,778	278,676	297,587	247,897	267,615	223,552	174,886	0.4	0.2
Natural Gas	90,063	212,874	275,865	241,141	277,837	252,768	285,395[R]	358,120	0.1	0.4
Other Gases	174,182	204,663	89,500	174,598	169,782	146,043	84,396	52,797	0.2	0.1
Hydroelectric	1,295,051	1,192,679	951,943	1,065,736	1,356,031	1,318,279	1,447,566	1,572,433	1.6	1.7
Other Renewables	-	-	15,527	14,605	173,970	163,262	154,605	173,757	-	0.2
Other	11,207	214	10,810	16,769	17,052	12,753	11,215	6,478	*	*

See footnotes at end of tables.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1990, 1995, and 2001 Through 2006

Fuel, Quality	1990	1995	2001	2002	2003	2004	2005	2006
West Virginia								
Coal (cents per million Btu)	147	127	125	121	125	135	W	167
Average heat value (Btu per pound)	12,452	12,418	12,085	12,103	12,166	12,061	11,976	11,967
Average sulfur Content (percent)	1.89	1.98	1.19	1.71	1.69	1.75	1.78	1.79
Petroleum (cents per million Btu)	572	439	666	543	725	785	959	W
Average heat value (Btu per gallon)	139,293	138,988	137,143	122,840	140,526	140,943	141,667	143,471
Average sulfur Content (percent)	0.10	0.08	0.07	0.24	0.24	0.15	0.62	0.86
Natural Gas (cents per million Btu)	513	358	646	385	633	633	859	867
Average heat value (Btu per cubic foot)	1,000	1,000	1,020	1,026	1,024	1,028	1,029	1,035

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1990, 1995, and 2001 Through 2006
(Thousand Metric Tons)

Emission Type	1990	1995	2001	2002	2003	2004	2005	2006
West Virginia								
Sulfur Dioxide								
Coal	876	754	618	478	506	446	438	427
Petroleum	1	*	3	1	*	*	1	1
Natural Gas	*	*	*	*	*	*	*	*
Other	-	-	*	*	*	*	*	*
Total	878	755	622	478	507	447	440	428
Nitrogen Oxide								
Coal	305	275	274	207	193	159	147	139
Petroleum	1	*	1	*	*	*	*	*
Natural Gas	*	1	1	3	*	*	*	*
Other	-	*	1	3	1	*	*	*
Total	306	276	277	213	194	160	148	140
Carbon Dioxide								
Coal	70,830	73,078	74,136	85,981	84,958	81,244	84,058	84,442
Petroleum	352	213	182	212	189	223	281	292
Natural Gas	169	513	495	353	416	584	444	334
Other Renewables	-	-	11	13	14	13	12	8
Total	71,352	73,805	74,824	86,558	85,578	82,064	84,795	85,075

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1990, 1995, and 2001 Through 2006

Sector	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
West Virginia										
Retail Sales (thousand megawatthours)										
Residential	7,578	9,166	9,828	10,444	10,473	10,756	11,384	11,014	32.8	34.1
Commercial	4,991	5,852	6,786	7,039	7,136	7,217	7,452	7,377	21.6	22.8
Industrial	10,469	10,867	10,978	10,902	10,687	10,942	11,312	13,916	45.3	43.1
Other	94	92	78	78	NA	NA	NA	NA	0.4	NA
Transportation	NA	NA	NA	NA	NA	4	4	4	NA	*
All Sectors	23,132	25,977	27,669	28,463	28,297	28,919	30,152	32,312	100.0	100.0
Retail Revenue (million dollars)										
Residential	447	596	616	651	654	670	706	700	40.8	43.0
Commercial	267	343	369	381	389	394	412	413	24.4	25.3
Industrial	373	438	410	415	408	419	435	516	34.1	31.7
Other	8	9	8	8	NA	NA	NA	NA	0.7	NA
Transportation	NA	NA	NA	NA	NA	*	*	*	NA	*
All Sectors	1,095	1,386	1,403	1,455	1,450	1,483	1,554	1,629	100.0	100.0
Average Retail Prices (cents/KWh)										
Residential	5.90	6.50	6.26	6.23	6.24	6.23	6.21	6.35	NA	NA
Commercial	5.36	5.86	5.44	5.41	5.45	5.46	5.53	5.59	NA	NA
Industrial	3.56	4.03	3.74	3.81	3.81	3.83	3.85	3.71	NA	NA
Other	8.19	9.36	10.36	10.01	NA	NA	NA	NA	NA	NA
Transportation	NA	NA	NA	NA	NA	5.70	6.08	5.86	NA	NA
All Sectors	4.73	5.34	5.07	5.11	5.13	5.13	5.15	5.04	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2006

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
West Virginia								
Number of Entities	11	2	NA	3	NA	NA	NA	16
Number of Retail Customers	984,598	3,506	NA	9,684	NA	NA	NA	997,788
Retail Sales (thousand megawatthours)	32,137	69	NA	106	NA	NA	NA	32,312
Percentage of Retail Sales	99.46	0.21	NA	0.33	NA	NA	NA	100.00
Revenue from Retail Sales (million dollars)	1,614	5	NA	10	NA	NA	NA	1,629
Percentage of Revenue	99.07	0.29	NA	0.64	NA	NA	NA	100.00
Average Retail Price (cents/kWh)	5.02	6.75	NA	9.90	NA	NA	NA	5.04

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 services. 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.

Table 10. Supply and Disposition of Electricity, 1990, 1995, and 2001 Through 2006
(Million Kilowatthours)

Category	1990	1995	2001	2002	2003	2004	2005	2006
West Virginia								
Supply								
Generation								
Electric Utilities	77,364	77,322	51,609	63,342	64,057	59,084	61,242	68,164
Independent Power Producers	250	936	28,458	29,373	28,429	28,498	30,556	23,959
Combined Heat and Power, Electric	-	377	306	409	446	465	467	470
Electric Power Sector Generation Subtotal	**77,614**	**78,635**	**80,373**	**93,123**	**92,932**	**88,047**	**92,265**	**92,593**
Combined Heat and Power, Industrial	1,925	1,902	1,464	1,639	1,780	1,703	1,361	1,223
Industrial and Commercial Generation Subtotal	**1,925**	**1,902**	**1,464**	**1,639**	**1,780**	**1,703**	**1,361**	**1,223**
Total Net Generation	**79,540**	**80,537**	**81,837**	**94,762**	**94,712**	**89,750**	**93,626**	**93,816**
Total Supply	**79,540**	**80,537**	**81,837**	**94,762**	**94,712**	**89,750**	**93,626**	**93,816**
Disposition								
Retail Sales								
Full Service Providers	23,132	25,977	27,669	28,463	28,275	28,919	30,131	32,312
Facility Direct Retail Sales	-	-	-	-	22	-	22	-
Total Electric Industry Retail Sales	**23,132**	**25,977**	**27,669**	**28,463**	**28,297**	**28,919**	**30,152**	**32,312**
Direct Use	**1,926**	**1,984**	**1,755**	**1,793**	**1,816**	**1,818**	**1,360**	**1,391**
Estimated Losses	**1,734**	**1,972**	**1,787**	**1,982**	**1,742**	**1,795**	**2,581**	**3,002**
Total Disposition	**26,792**	**29,933**	**31,212**	**32,239**	**31,855**	**32,532**	**34,093**	**36,705**
Net Interstate Trade	**52,747**	**50,605**	**50,625**	**62,523**	**62,857**	**57,218**	**59,533**	**57,111**
Net Trade Index (ratio)	**2.97**	**2.69**	**2.62**	**2.94**	**2.97**	**2.76**	**2.75**	**2.56**

R = Revised.
NA = Not applicable; NM = Not meaningful.
W = Withheld to avoid disclosure of individual company data.
- = Data not available.
* = 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 10 Notes: Estimated Losses are reported at the utility level, and then allocated to States based on the utility's retail sales by State. Reported losses may include electricity unaccounted for by the utility. Net Interstate Trade represents the difference between the amount of electricity produced in the State and consumed in the State. Positive values indicate a State that is a net interstate exporter of electricity; negative values indicate a State that is a net interstate importer of electricity. The Net Trade Index represents a State's electricity self-sufficiency. Values greater than 1 indicate that, on an annual net basis, the State supplied electricity consumed outside the State; values less than 1 indicate that, on an annual net basis, the State consumed electricity produced outside the State.
General Notes: Table 4 "Other Renewables" includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. The "Other" category includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. However, Table 5 "Other Renewables" includes only biogenic municipal solid waste, in addition to wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. In Table 5 "Other" includes Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. In Table 7, "Other Renewables" emissions include biogenic municipal solid waste, and other renewable 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.

Table 1. 2006 Summary Statistics

Item	Value	U.S. Rank
Wisconsin		
NERC Region(s)		**MRO/RFC**
Primary Energy Source		**Coal**
Net Summer Capacity (megawatts)	**16,415**	**25**
Electric Utilities	12,911	19
Independent Power Producers & Combined Heat and Power	3,504	25
Net Generation (megawatthours)	**61,639,843**	**23**
Electric Utilities	51,914,755	19
Independent Power Producers & Combined Heat and Power	9,725,089	30
Emissions (thousand metric tons)		
Sulfur Dioxide	208	17
Nitrogen Oxide	77	20
Carbon Dioxide	48,251	20
Sulfur Dioxide (lbs/MWh)	7.4	12
Nitrogen Oxide (lbs/MWh)	2.8	21
Carbon Dioxide (lbs/MWh)	1,726	15
Total Retail Sales (megawatthours)	**69,820,749**	**22**
Full Service Provider Sales (megawatthours)	69,820,749	21
Direct Use (megawatthours)	**3,586,727**	**10**
Average Retail Price (cents/kWh)	**8.13**	**23**

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capacity, 2006

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
Wisconsin			
1. Pleasant Prairie	Coal	Wisconsin Electric Power Co	1,226
2. South Oak Creek	Coal	Wisconsin Electric Power Co	1,153
3. Columbia	Coal	Wisconsin Power & Light Co	1,114
4. Point Beach	Nuclear	Wisconsin Electric Power Co	1,041
5. Edgewater	Coal	Wisconsin Power & Light Co	812
6. Fox Energy Center	Gas	GE Energy Services	600
7. Riverside Energy Center	Gas	Rock River Energy LLC	598
8. Port Washington Generating Station	Gas	Wisconsin Electric Power Co	575
9. Kewaunee	Nuclear	Dominion Energy Kewaunee Inc.	556
10. Weston	Coal	Wisconsin Public Service Corp	556

See footnotes at end of tables.

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2006
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
Wisconsin						
1. Wisconsin Electric Power Co	Investor-Owned	25,451,590	7,990,314	8,743,437	8,717,839	-
2. Wisconsin Public Service Corp	Investor-Owned	10,733,470	2,803,458	3,898,694	4,031,318	-
3. Wisconsin Power & Light Co	Investor-Owned	10,579,771	3,430,535	2,290,527	4,858,709	-
4. Northern States Power Co	Investor-Owned	6,038,067	1,870,818	2,666,916	1,500,333	-
5. Madison Gas & Electric Co	Investor-Owned	3,258,502	809,561	2,164,922	284,019	-
Total Sales, Top Five Providers		56,061,400	16,904,686	19,764,496	19,392,218	-
Percent of Total State Sales		80	78	87	77	-

See footnotes at end of tables.

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatts)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Wisconsin										
Electric Utilities	**10,558**	**11,536**	**12,248**	**12,511**	**12,568**	**12,405**	**12,877[R]**	**12,911**	**95.9**	**78.7**
Coal	7,120	7,204	7,170	7,186	7,123	6,856	6,855	6,879	64.7	41.9
Petroleum	1,128[R]	983[R]	1,072	1,156	783	759	771[R]	764	10.3	4.7
Natural Gas	252[R]	1,364[R]	1,974	2,168	2,634	2,689	3,697	3,716	2.3	22.6
Nuclear	1,509	1,453	1,510	1,510	1,565	1,586	1,026[R]	1,026	13.7	6.3
Hydroelectric	443	427	450	425	427	431	436	425	4.0	2.6
Other Renewables	106	106	72	66	37	84	92	101	1.0	0.6
Independent Power Producers and Combined Heat and Power	**452**	**584**	**1,856**	**1,726**	**1,740**	**2,330**	**3,330[R]**	**3,504**	**4.1**	**21.3**
Coal	315	408	323	313	316	277	291	184	2.9	1.1
Petroleum	5	3	12	3	3	3	18[R]	117	*	0.7
Natural Gas	35	55	1,262	1,136	1,145	1,744	2,169	2,339	0.3	14.3
Nuclear	-	-	-	-	-	-	556[R]	556	-	3.4
Hydroelectric	46	53	66	69	51	51	51	51	0.4	0.3
Other Renewables	51	65	173	184	205	233	225	236	0.5	1.4
Other	-	-	21	21	21	21	21	21	-	0.1
Total Electric Industry	**11,009**	**12,119**	**14,103**	**14,237**	**14,309**	**14,734**	**16,208**	**16,415**	**100.0**	**100.0**
Coal	7,435	7,612	7,493	7,500	7,439	7,133	7,146	7,063	67.5	43.0
Petroleum	1,134[R]	985[R]	1,084	1,159	786	762	789	881	10.3	5.4
Natural Gas	287[R]	1,419[R]	3,235	3,304	3,779	4,433	5,866	6,056	2.6	36.9
Nuclear	1,509	1,453	1,510	1,510	1,565	1,586	1,582	1,582	13.7	9.6
Hydroelectric	489	480	516	494	478	482	487	476	4.4	2.9
Other Renewables	156	170	245	250	241	317	318	337	1.4	2.1
Other	-	-	21	21	21	21	21	21	-	0.1

See footnotes at end of tables.

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatthours)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Wisconsin										
Electric Utilities	**45,550,958**	**51,012,390**	**54,959,426**	**54,773,666**	**56,068,698**	**56,142,364**	**55,169,108**	**51,914,755**	**95.4**	**84.2**
Coal	32,144,557	36,863,872	40,185,649	38,583,501	40,579,973	40,981,609	40,506,086	38,866,178	67.3	63.1
Petroleum	47,444	147,493	170,443	162,990	185,625	494,535	470,219	591,486	0.1	1.0
Natural Gas	169,378	648,912	868,225	973,287	1,131,999	711,519	2,450,224	2,114,624	0.4	3.4
Nuclear	11,225,913	10,969,606	11,507,078	12,448,813	12,215,463	11,887,849	9,920,991	8,560,416	23.5	13.9
Hydroelectric	1,791,037	2,097,101	1,887,555	2,282,883	1,623,369	1,748,442	1,498,881	1,446,192	3.7	2.3
Other Renewables	172,629	285,406	180,513	179,399	194,031	227,684	230,399	259,408	0.4	0.4
Other	-	-	159,963	142,793	138,238	90,726	92,308	76,451	-	0.1
Independent Power Producers and Combined Heat and Power	**2,217,899**	**2,910,741**	**3,804,005**	**3,657,772**	**4,053,726**	**4,302,569**	**6,655,556**	**9,725,088**	**4.6**	**15.8**
Coal	1,024,384	1,229,562	1,067,807	1,223,983	1,137,243	1,159,287	1,142,924	1,176,558	2.1	1.9
Petroleum	132,013	237,671	277,340	259,688	287,162	257,040	254,011	275,343	0.3	0.4
Natural Gas	177,826	359,692	1,365,740	1,103,026	1,346,392	1,683,392	3,926,228	3,244,886	0.4	5.3
Nuclear	-	-	-	-	-	-	-	3,673,099	-	6.0
Hydroelectric	223,375	281,371	168,689	232,134	219,926	232,234	241,338	232,406	0.5	0.4
Other Renewables	660,301	801,861	921,697	836,193	1,031,693	947,726	1,064,179[R]	1,089,301	1.4	1.8
Other	-	584	2,732	2,748	31,310	22,890	26,876[R]	33,495	-	0.1
Total Electric Industry	**47,768,857**	**53,923,131**	**58,763,431**	**58,431,438**	**60,122,424**	**60,444,933**	**61,824,664**	**61,639,843**	**100.0**	**100.0**
Coal	33,168,941	38,093,434	41,253,456	39,807,484	41,717,216	42,140,896	41,649,010	40,042,736	69.4	65.0
Petroleum	179,457	385,164	447,783	422,678	472,787	751,575	724,230	866,829	0.4	1.4
Natural Gas	347,204	1,008,604	2,233,965	2,076,313	2,478,391	2,394,911	6,376,452	5,359,510	0.7	8.7
Nuclear	11,225,913	10,969,606	11,507,078	12,448,813	12,215,463	11,887,849	9,920,991	12,233,515	23.5	19.8
Hydroelectric	2,014,412	2,378,472	2,056,244	2,515,017	1,843,295	1,980,676	1,740,219	1,678,598	4.2	2.7
Other Renewables	832,930	1,087,267	1,102,210	1,015,593	1,225,724	1,175,411	1,294,578	1,348,709	1.7	2.2
Other	-	584	162,695	145,540	169,548	113,615	119,184[R]	109,946	-	0.2

See footnotes at end of tables.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1990, 1995, and 2001 Through 2006

Fuel, Quality	1990	1995	2001	2002	2003	2004	2005	2006
Wisconsin								
Coal (cents per million Btu)	136	114	105	112	W	W	W	W
Average heat value (Btu per pound)	9,642	9,351	9,500	9,089	9,006	9,030	9,088	8,975
Average sulfur Content (percent)	0.81	0.46	0.37	0.41	0.38	0.39	0.38	0.36
Petroleum (cents per million Btu)	526	177	146	W	W	W	W	W
Average heat value (Btu per gallon)	139,200	95,883	139,048	133,712	134,343	135,093	135,238	134,333
Average sulfur Content (percent)	0.37	3.66	4.90	5.19	5.35	5.45	5.33	5.36
Natural Gas (cents per million Btu)	293	221	473	354	582	639	862	726
Average heat value (Btu per cubic foot)	1,007	1,009	1,010	999	1,002	1,002	1,012	1,012

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1990, 1995, and 2001 Through 2006
(Thousand Metric Tons)

Emission Type	1990	1995	2001	2002	2003	2004	2005	2006
Wisconsin								
Sulfur Dioxide								
Coal	293	211	225	474	215	195	193	185
Petroleum	8	17	18	52	9	21	14	15
Natural Gas	*	*	*	*	*	*	*	*
Other	17	8	62	99	9	7	7	9
Total	318	236	305	625	232	223	214	208
Nitrogen Oxide								
Coal	181	188	117	239	83	78	70	65
Petroleum	1	1	3	6	2	3	2	2
Natural Gas	1	3	7	59	3	2	3	2
Other	5	3	27	45	6	6	6	7
Total	188	196	155	349	93	89	81	77
Carbon Dioxide								
Coal	36,117	41,137	46,177	46,199	45,561	46,495	48,831	43,765
Petroleum	432	747	930	929	933	1,319	1,332	1,557
Natural Gas	391	1,118	1,758	1,547	1,754	1,904	3,704	2,812
Other Renewables	63	59	170	164	176	139	103	117
Total	37,003	43,061	49,035	48,839	48,424	49,858	53,969	48,251

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1990, 1995, and 2001 Through 2006

Sector	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Wisconsin										
Retail Sales (thousand megawatthours)										
Residential	16,385	18,635	20,418	21,575	21,364	21,192	22,458	21,779	33.3	31.2
Commercial	12,698	14,893	18,678	19,144	20,056	19,349	22,501	22,756	25.8	32.6
Industrial	19,405	23,690	25,370	25,534	25,821	27,435	25,376	25,286	39.4	36.2
Other	710	749	752	746	NA	NA	NA	NA	1.4	NA
All Sectors	49,198	57,967	65,218	66,999	67,241	67,976	70,336	69,821	100.0	100.0
Retail Revenue (million dollars)										
Residential	1,087	1,298	1,612	1,765	1,853	1,922	2,171	2,289	41.2	40.3
Commercial	733	861	1,185	1,253	1,397	1,401	1,726	1,905	27.8	33.6
Industrial	774	896	1,107	1,131	1,217	1,353	1,368	1,480	29.3	26.1
Other	46	51	58	60	NA	NA	NA	NA	1.7	NA
All Sectors	2,641	3,106	3,962	4,209	4,468	4,677	5,264	5,674	100.0	100.0
Average Retail Prices (cents/KWh)										
Residential	6.63	6.97	7.90	8.18	8.67	9.07	9.66	10.51	NA	NA
Commercial	5.78	5.78	6.34	6.54	6.97	7.24	7.67	8.37	NA	NA
Industrial	3.99	3.78	4.36	4.43	4.71	4.93	5.39	5.85	NA	NA
Other	6.47	6.85	7.70	8.08	NA	NA	NA	NA	NA	NA
All Sectors	5.37	5.36	6.08	6.28	6.64	6.88	7.48	8.13	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2006

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Wisconsin								
Number of Entities	12	82	NA	24	1	NA	NA	119
Number of Retail Customers	2,361,509	269,305	NA	250,176	2	NA	NA	2,880,992
Retail Sales (thousand megawatthours)	58,407	7,902	NA	3,510	2	NA	NA	69,821
Percentage of Retail Sales	83.65	11.32	NA	5.03	*	NA	NA	100.00
Revenue from Retail Sales (million dollars)	4,796	536	NA	342	*	NA	NA	5,674
Percentage of Revenue	84.53	9.44	NA	6.03	*	NA	NA	100.00
Average Retail Price (cents/kWh)	8.21	6.78	NA	9.75	4.50	NA	NA	8.13

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 services. 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.

Table 10. Supply and Disposition of Electricity, 1990, 1995, and 2001 Through 2006
(Million Kilowatthours)

Category	1990	1995	2001	2002	2003	2004	2005	2006
Wisconsin								
Supply								
Generation								
Electric Utilities	45,551	51,012	54,959	54,774	56,069	56,142	55,169	51,915
Independent Power Producers	110	139	775	351	726	1,348	3,212	6,373
Combined Heat and Power, Electric	23	68	568	746	585	407	793	785
Electric Power Sector Generation Subtotal	**45,684**	**51,220**	**56,303**	**55,872**	**57,380**	**57,897**	**59,174**	**59,073**
Combined Heat and Power, Commercial	20	109	148	147	132	163	164	110
Combined Heat and Power, Industrial	2,065	2,594	2,313	2,413	2,611	2,384	2,487	2,457
Industrial and Commercial Generation Subtotal	**2,085**	**2,703**	**2,461**	**2,560**	**2,742**	**2,548**	**2,651**	**2,567**
Total Net Generation	**47,769**	**53,923**	**58,763**	**58,431**	**60,122**	**60,445**	**61,825**	**61,640**
Total International Imports	**-**	**-**	**-**	**-**	**1**	**-**	*****	*****
Total Supply	**47,769**	**53,923**	**58,763**	**58,431**	**60,123**	**60,445**	**61,825**	**61,640**
Disposition								
Retail Sales								
Full Service Providers	49,198	57,967	65,218	66,999	67,178	67,905	70,334	69,819
Facility Direct Retail Sales	-	-	-	-	63	70	2	2
Total Electric Industry Retail Sales	**49,198**	**57,967**	**65,218**	**66,999**	**67,241**	**67,976**	**70,336**	**69,821**
Direct Use	**2,105**	**2,773**	**2,663**	**2,721**	**2,756**	**2,759**	**4,087**	**3,587**
Estimated Losses	**3,689**	**4,401**	**3,146**	**4,258**	**3,401**	**4,439**	**4,104**	**3,544**
Total Disposition	**54,991**	**65,140**	**71,028**	**73,979**	**73,398**	**75,173**	**78,526**	**76,952**
Net Interstate Trade	**-7,223**	**-11,217**	**-12,264**	**-15,547**	**-13,275**	**-14,728**	**-16,701**	**-15,312**
Net Trade Index (ratio)	**0.87**	**0.83**	**0.83**	**0.79**	**0.82**	**0.80**	**0.79**	**0.80**

R = Revised.
NA = Not applicable; NM = Not meaningful.
W = Withheld to avoid disclosure of individual company data.
- = Data not available.
* = 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 10 Notes: Estimated Losses are reported at the utility level, and then allocated to States based on the utility's retail sales by State. Reported losses may include electricity unaccounted for by the utility. Net Interstate Trade represents the difference between the amount of electricity produced in the State and consumed in the State. Positive values indicate a State that is a net interstate exporter of electricity; negative values indicate a State that is a net interstate importer of electricity. The Net Trade Index represents a State's electricity self-sufficiency. Values greater than 1 indicate that, on an annual net basis, the State supplied electricity consumed outside the State; values less than 1 indicate that, on an annual net basis, the State consumed electricity produced outside the State.
General Notes: Table 4 "Other Renewables" includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. The "Other" category includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. However, Table 5 "Other Renewables" includes only biogenic municipal solid waste, in addition to wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. In Table 5 "Other" includes Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. In Table 7, "Other Renewables" emissions include biogenic municipal solid waste, and other renewable 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.

Table 1. 2006 Summary Statistics

Item	Value	U.S. Rank
Wyoming		
NERC Region(s)		**MRO/WECC**
Primary Energy Source		**Coal**
Net Summer Capacity (megawatts)	**6,707**	**39**
Electric Utilities	6,137	33
Independent Power Producers & Combined Heat and Power	569	45
Net Generation (megawatthours)	**45,400,370**	**34**
Electric Utilities	42,905,244	23
Independent Power Producers & Combined Heat and Power	2,495,126	42
Emissions (thousand metric tons)		
Sulfur Dioxide	84	26
Nitrogen Oxide	82	19
Carbon Dioxide	45,216	21
Sulfur Dioxide (lbs/MWh)	4.1	23
Nitrogen Oxide (lbs/MWh)	4.0	8
Carbon Dioxide (lbs/MWh)	2,196	3
Total Retail Sales (megawatthours)	**14,946,612**	**40**
Full Service Provider Sales (megawatthours)	14,946,612	40
Direct Use (megawatthours)	**1,216,635**	**27**
Average Retail Price (cents/kWh)	**5.27**	**49**

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capacity, 2006

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
Wyoming			
1. Jim Bridger	Coal	PacifiCorp	2,120
2. Laramie River Station	Coal	Basin Electric Power Coop	1,705
3. Dave Johnston	Coal	PacifiCorp	762
4. Naughton	Coal	PacifiCorp	700
5. Wyodak	Coal	PacifiCorp	335
6. Wyoming Wind Energy Center	Other Renewables	FPL Energy Wyoming Wind LLC	144
7. Neil Simpson II	Coal	Black Hills Power Inc	114
8. Shute Creek Facility	Gas	Exxon Mobil Production Co	92
9. Wygen 1	Coal	Black Hills Power Inc	70
10. Fremont Canyon	Hydroelectric	U S Bureau of Reclamation	67

See footnotes at end of tables.

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2006
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
Wyoming						
1. PacifiCorp	Investor-Owned	8,309,358	970,126	1,379,819	5,959,413	-
2. Powder River Energy Corporation	Cooperative	2,507,239	172,859	1,177,016	1,157,364	-
3. Cheyenne Light Fuel & Power Co	Investor-Owned	926,171	256,954	539,755	129,462	-
4. High Plains Power Inc	Cooperative	857,520	132,204	54,153	671,163	-
5. Lower Valley Energy Inc	Cooperative	592,247	338,491	242,462	11,294	-
Total Sales, Top Five Providers		13,192,535	1,870,634	3,393,205	7,928,696	-
Percent of Total State Sales		88	76	82	95	-

See footnotes at end of tables.

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatts)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Wyoming										
Electric Utilities	**5,809**	**5,970**	**6,052**	**6,122**	**6,088**	**6,086**	**6,241[R]**	**6,137**	**98.3**	**91.5**
Coal	5,525	5,662	5,710	5,692	5,692	5,692	5,817[R]	5,747	93.5	85.7
Petroleum	15	15	5	5	5	5	-[R]	-	0.2	-
Natural Gas	-	-	34	119	85	80	113[R]	79	-	1.2
Hydroelectric	269	294	297	300	300	303	303	303	4.6	4.5
Other Renewables	-	-	6	6	6	6	9	9	-	0.1
Independent Power Producers and Combined Heat and Power	**100**	**91**	**271**	**226**	**474**	**473**	**465[R]**	**569**	**1.7**	**8.5**
Coal	28	28	30	30	100	100	30[R]	100	0.5	1.5
Petroleum	1	-	7	4	4	2	6[R]	6	*	0.1
Natural Gas	48	50	99	58	92	81	47[R]	81	0.8	1.2
Other Gases	5	3	-	-	-	-	92	92	0.1	1.4
Other Renewables	8	-	135	135	279	279	279	279	0.1	4.2
Other	11	11	-	-	-	12	12	12	0.2	0.2
Total Electric Industry	**5,909**	**6,062**	**6,323**	**6,348**	**6,562**	**6,558**	**6,707**	**6,707**	**100.0**	**100.0**
Coal	5,553	5,690	5,740	5,722	5,792	5,792	5,847	5,847	94.0	87.2
Petroleum	16	15	12	8	8	6	6	6	0.3	0.1
Natural Gas	48	50	133	177	177	161	160	160	0.8	2.4
Other Gases	5	3	-	-	-	-	92	92	0.1	1.4
Hydroelectric	269	294	297	300	300	303	303	303	4.6	4.5
Other Renewables	8	-	141	141	285	285	287	287	0.1	4.3
Other	11	11	-	-	-	12	12	12	0.2	0.2

See footnotes at end of tables.

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatthours)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Wyoming										
Electric Utilities	**39,378,154**	**39,683,722**	**43,764,015**	**42,532,420**	**42,261,405**	**43,059,537**	**44,031,568**	**42,905,244**	**98.5**	**94.5**
Coal	38,681,220	38,804,539	42,560,578	41,685,278	41,490,825	42,372,775	43,112,061	41,948,761	96.8	92.4
Petroleum	45,561	67,673	33,744	38,686	41,567	43,450	40,311	44,240	0.1	0.1
Natural Gas	6,760	13,007	274,383	205,791	119,729	35,207	55,805	48,492	*	0.1
Hydroelectric	644,613	798,503	879,111	583,615	593,555	593,147	808,375	843,316	1.6	1.9
Other Renewables	-	-	16,199	19,050	15,729	14,958	15,016	20,435	-	*
Independent Power Producers and Combined Heat and Power	**596,811**	**567,887**	**1,012,923**	**1,251,419**	**1,365,197**	**1,748,068**	**1,535,739**	**2,495,126**	**1.5**	**5.5**
Coal	227,247	191,836	228,732	237,883	850,627	972,943	233,624	943,107	0.6	2.1
Petroleum	3,644	2,632	2,352	1,418	3,354	2,441	1,984	1,698	*	*
Natural Gas	261,442	309,443	317,459	507,289	160,467	51,681	269,177	452,733	0.7	1.0
Other Gases	8,642	9,230	7,511	-	-	12,746	263,586	309,927	*	0.7
Other Renewables	50,440	-	348,960	428,280	350,749	601,557	702,248	738,626	0.1	1.6
Other	45,396	54,746	107,909	76,549	-	106,700	65,120	49,035	0.1	0.1
Total Electric Industry	**39,974,965**	**40,251,609**	**44,776,938**	**43,783,839**	**43,626,602**	**44,807,605**	**45,567,307**	**45,400,370**	**100.0**	**100.0**
Coal	38,908,467	38,996,375	42,789,310	41,923,161	42,341,452	43,345,718	43,345,685	42,891,868	97.3	94.5
Petroleum	49,205	70,305	36,096	40,104	44,921	45,891	42,295	45,938	0.1	0.1
Natural Gas	268,202	322,450	591,842	713,080	280,196	86,888	324,982	501,225	0.7	1.1
Other Gases	8,642	9,230	7,511	-	-	12,746	263,586	309,927	*	0.7
Hydroelectric	644,613	798,503	879,111	583,615	593,555	593,147	808,375	843,316	1.6	1.9
Other Renewables	50,440	-	365,159	447,330	366,478	616,515	717,264	759,061	0.1	1.7
Other	45,396	54,746	107,909	76,549	-	106,700	65,120	49,035	0.1	0.1

See footnotes at end of tables.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1990, 1995, and 2001 Through 2006

Fuel, Quality	1990	1995	2001	2002	2003	2004	2005	2006
Wyoming								
Coal (cents per million Btu)	84	82	77	79	82	87	95	W
Average heat value (Btu per pound)	8,811	8,738	8,880	8,759	8,826	8,826	8,814	8,708
Average sulfur Content (percent)	0.54	0.50	0.48	0.49	0.49	0.48	0.49	0.51
Petroleum (cents per million Btu)	527	445	707	553	714	950	1,317	1,628
Average heat value (Btu per gallon)	138,848	139,281	146,905	139,448	139,593	139,338	139,638	139,333
Average sulfur Content (percent)	0.32	0.27	0.31	0.31	0.30	0.31	0.30	0.32
Natural Gas (cents per million Btu)	315	798	382	W	W	341	553	W
Average heat value (Btu per cubic foot)	1,035	1,043	960	854	997	1,060	1,048	983

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1990, 1995, and 2001 Through 2006
(Thousand Metric Tons)

Emission Type	1990	1995	2001	2002	2003	2004	2005	2006
Wyoming								
Sulfur Dioxide								
Coal	98	85	86	93	84	84	87	84
Petroleum	*	*	21	16	*	*	*	*
Natural Gas	*	*	*	*	*	-	*	*
Other	1	*	*	*	-	-	-	*
Total	99	85	107	109	84	85	88	84
Nitrogen Oxide								
Coal	185	189	79	96	79	86	82	78
Petroleum	*	*	5	5	*	*	*	*
Natural Gas	1	1	41	72	*	*	*	1
Other	*	-	18	4	-	*	*	2
Total	185	189	143	177	79	86	82	82
Carbon Dioxide								
Coal	40,381	40,601	45,107	44,046	45,128	45,757	44,971	44,688
Petroleum	63	98	68	40	39	77	70	69
Natural Gas	184	203	396	427	174	164	390	458
Total	40,628	40,903	45,571	44,514	45,341	45,998	45,431	45,216

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1990, 1995, and 2001 Through 2006

Sector	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Wyoming										
Retail Sales (thousand megawatthours)										
Residential	1,720	1,939	2,146	2,232	2,286	2,262	2,377	2,468	14.6	16.5
Commercial	2,176	2,330	2,915	3,027	3,282	3,393	3,754	4,117	18.5	27.5
Industrial	7,729	6,817	7,700	7,453	7,685	7,884	8,007	8,362	65.7	55.9
Other	144	113	189	162	NA	NA	NA	NA	1.2	NA
All Sectors	11,769	11,199	12,950	12,874	13,254	13,540	14,138	14,947	100.0	100.0
Retail Revenue (million dollars)										
Residential	103	118	145	156	161	163	178	191	20.7	24.3
Commercial	112	119	158	173	189	203	232	258	22.7	32.8
Industrial	268	239	264	264	281	308	319	338	54.2	42.9
Other	11	8	10	10	NA	NA	NA	NA	2.3	NA
All Sectors	495	484	577	602	630	674	729	788	100.0	100.0
Average Retail Prices (cents/KWh)										
Residential	5.97	6.09	6.77	6.97	7.04	7.21	7.48	7.75	NA	NA
Commercial	5.17	5.11	5.41	5.71	5.74	5.98	6.17	6.28	NA	NA
Industrial	3.47	3.50	3.43	3.55	3.65	3.91	3.99	4.04	NA	NA
Other	7.90	7.16	5.07	5.93	NA	NA	NA	NA	NA	NA
All Sectors	4.21	4.32	4.46	4.68	4.76	4.98	5.16	5.27	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2006

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Wyoming								
Number of Entities	5	13	1	16	NA	NA	NA	35
Number of Retail Customers	183,853	31,684	7	91,322	NA	NA	NA	306,866
Retail Sales (thousand megawatthours)	9,682	582	33	4,650	NA	NA	NA	14,947
Percentage of Retail Sales	64.78	3.89	0.22	31.11	NA	NA	NA	100.00
Revenue from Retail Sales (million dollars)	510	39	1	238	NA	NA	NA	788
Percentage of Revenue	64.81	4.90	0.07	30.23	NA	NA	NA	100.00
Average Retail Price (cents/kWh)	5.27	6.63	1.58	5.12	NA	NA	NA	5.27

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 services. 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.

Table 10. Supply and Disposition of Electricity, 1990, 1995, and 2001 Through 2006
(Million Kilowatthours)

Category	1990	1995	2001	2002	2003	2004	2005	2006
Wyoming								
Supply								
Generation								
Electric Utilities	39,378	39,684	43,764	42,532	42,261	43,060	44,032	42,905
Independent Power Producers	-	-	349	576	1,052	1,350	702	1,484
Electric Power Sector Generation Subtotal	**39,378**	**39,684**	**44,113**	**43,108**	**43,314**	**44,410**	**44,734**	**44,389**
Combined Heat and Power, Industrial	597	568	664	676	313	398	833	1,012
Industrial and Commercial Generation Subtotal	**597**	**568**	**664**	**676**	**313**	**398**	**833**	**1,012**
Total Net Generation	**39,975**	**40,252**	**44,777**	**43,784**	**43,627**	**44,808**	**45,567**	**45,400**
Total International Imports	**-**	**-**	**-**	**21**	**29**	**19**	**48**	**28**
Total Supply	**39,975**	**40,252**	**44,777**	**43,805**	**43,655**	**44,827**	**45,615**	**45,428**
Disposition								
Retail Sales								
Full Service Providers	11,769	11,199	12,950	12,874	13,251	13,540	14,138	14,947
Facility Direct Retail Sales	-	-	-	-	3	-	-	-
Total Electric Industry Retail Sales	**11,769**	**11,199**	**12,950**	**12,874**	**13,254**	**13,540**	**14,138**	**14,947**
Direct Use	**547**	**568**	**639**	**653**	**662**	**662**	**350**	**1,217**
Total International Exports	**-**	**-**	**-**	**-**	**-**	**75**	**145**	**75**
Estimated Losses	**882**	**850**	**823**	**958**	**791**	**1,004**	**1,110**	**1,224**
Total Disposition	**13,198**	**12,617**	**14,412**	**14,485**	**14,707**	**15,282**	**15,743**	**17,462**
Net Interstate Trade	**26,777**	**27,635**	**30,365**	**29,320**	**28,949**	**29,545**	**29,872**	**27,966**
Net Trade Index (ratio)	**3.03**	**3.19**	**3.11**	**3.02**	**2.97**	**2.93**	**2.90**	**2.60**

R = Revised.
NA = Not applicable; NM = Not meaningful.
W = Withheld to avoid disclosure of individual company data.
- = Data not available.
* = 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 10 Notes: Estimated Losses are reported at the utility level, and then allocated to States based on the utility's retail sales by State. Reported losses may include electricity unaccounted for by the utility. Net Interstate Trade represents the difference between the amount of electricity produced in the State and consumed in the State. Positive values indicate a State that is a net interstate exporter of electricity; negative values indicate a State that is a net interstate importer of electricity. The Net Trade Index represents a State's electricity self-sufficiency. Values greater than 1 indicate that, on an annual net basis, the State supplied electricity consumed outside the State; values less than 1 indicate that, on an annual net basis, the State consumed electricity produced outside the State.
General Notes: Table 4 "Other Renewables" includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. The "Other" category includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. However, Table 5 "Other Renewables" includes only biogenic municipal solid waste, in addition to wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. In Table 5 "Other" includes Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. In Table 7, "Other Renewables" emissions include biogenic municipal solid waste, and other renewable 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.

Table 1. 2006 Summary Statistics

Item	Value	Highest	Lowest
United States			
Primary Energy Source	**Coal**		
Net Summer Capacity (megawatts)	**986,215**	**Texas**	**District of Columbia**
Electric Utilities	567,523	Florida	Rhode Island
Independent Power Producers & Combined Heat and Power	418,692	Texas	Nebraska
Net Generation (megawatthours)	**4,064,702,227**	**Texas**	**District of Columbia**
Electric Utilities	2,483,655,548	Florida	Maine
Independent Power Producers & Combined Heat and Power	1,581,046,679	Texas	Nebraska
Emissions (thousand metric tons)			
Sulfur Dioxide	9,524	Ohio	Vermont
Nitrogen Oxide	3,799	Texas	District of Columbia
Carbon Dioxide	2,459,800	Texas	Vermont
Sulfur Dioxide (lbs/MWh)	5.2	Ohio	Vermont
Nitrogen Oxide (lbs/MWh)	2.1	District of Columbia	Vermont
Carbon Dioxide (lbs/MWh)	1,334	District of Columbia	Vermont
Total Retail Sales (megawatthours)	**3,669,918,840**	**Texas**	**Vermont**
Full Service Provider Sales (megawatthours)	3,450,734,102	Texas	Maine
Deregulated Sales (megawatthours)	219,184,738	New York	Virginia
Direct Use (megawatthours)	**146,926,612**	**Texas**	**District of Columbia**
Average Retail Price (cents/kWh)	**8.90**	**Hawaii**	**Idaho**

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capacity, 2006

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
United States			
1. Grand Coulee	Hydroelectric	U S Bureau of Reclamation	7,079
2. Palo Verde	Nuclear	Arizona Public Service Co	3,872
3. W A Parish	Coal	NRG Texas LLC	3,681
4. Martin	Gas	Florida Power & Light Co	3,657
5. Scherer	Coal	Georgia Power Co	3,405
6. Browns Ferry	Nuclear	Tennessee Valley Authority	3,297
7. Bowen	Coal	Georgia Power Co	3,254
8. Crystal River	Coal	Progress Energy Florida Inc	3,151
9. Gibson	Coal	Duke Energy Indiana Inc	3,131
10. Monroe	Coal	Detroit Edison Co	3,129

See footnotes at end of tables.

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2006
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
United States						
1. Florida Power & Light Co	Investor-Owned	103,652,914	54,567,510	44,955,896	4,035,750	93,758
2. Georgia Power Co	Investor-Owned	84,555,891	26,206,170	32,594,158	25,577,006	178,557
3. Southern California Edison Co	Investor-Owned	78,863,143	30,048,395	40,053,995	8,697,668	63,085
4. Pacific Gas & Electric Co	Investor-Owned	76,817,131	30,957,122	34,906,900	10,953,109	-
5. Duke Energy Carolinas, LLC	Investor-Owned	76,604,364	25,729,097	26,364,756	24,510,480	31
Total Sales, Top Five Providers		420,493,443	167,508,294	178,875,705	73,774,013	335,431
Percent of Total State Sales		11	12	14	7	5

See footnotes at end of tables.

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatts)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
United States										
Electric Utilities	**690,465**	**706,111**	**549,920**	**561,074**	**547,249**	**550,550**	**556,235**[R]	**567,523**	**94.1**	**57.5**
Coal	299,781	300,569	244,451	244,056	236,473	235,976	229,705[R]	230,644	40.8	23.4
Petroleum	76,390[R]	64,451[R]	38,456	33,876	32,570	31,415	30,867[R]	30,419	10.4	3.1
Natural Gas	121,300[R]	142,295[R]	112,841	127,692	125,612	131,734	147,752[R]	157,742	16.5	16.0
Other Gases	375	291	57	61	61	58	-[R]	104	0.1	*
Nuclear	99,624	99,515	63,060	63,202	60,964	60,651	56,564[R]	56,143	13.6	5.7
Hydroelectric	71,423	75,274	72,968	73,391	72,827	71,696	71,568[R]	71,840	9.7	7.3
Other Renewables	2,111	2,330	979	959[R]	925	960	1,545[R]	2,291	0.3	0.2
Pumped Storage	19,462	21,387	17,097	17,807	17,803	18,048	18,195[R]	18,301	2.7	1.9
Other	*	-	13	-	13	13	39	39	*	*
Independent Power Producers and Combined Heat and Power	**43,656**	**63,352**	**298,334**	**344,227**	**401,198**	**412,392**	**421,785**[R]	**418,692**	**5.9**	**42.5**
Coal	7,581	10,817	69,780	71,294	76,546	77,044	83,675[R]	82,312	1.0	8.3
Petroleum	1,531	2,171	27,706	25,775	28,160	27,704	27,681[R]	27,679	0.2	2.8
Natural Gas	19,548	32,186	139,992	184,820	229,829	239,277	235,309[R]	230,552	2.7	23.4
Other Gases	1,266	1,370	1,614	1,947	1,933	2,238	2,063[R]	2,152	0.2	0.2
Nuclear	-	-	35,099	35,455	38,244	38,978	43,424[R]	44,190	-	4.5
Hydroelectric	2,500	3,288	5,948	5,965	5,867	5,945	5,973[R]	5,981	0.3	0.6
Other Renewables	10,729	12,970	15,123[R]	15,751[R]	17,228[R]	17,756[R]	19,660[R]	21,822	1.5	2.2
Pumped Storage	-	-	2,567	2,564	2,719	2,717	3,152[R]	3,160	-	0.3
Other	501	550	506[R]	686[R]	671[R]	733[R]	848[R]	843	0.1	0.1
Total Electric Industry	**734,122**	**769,463**	**848,254**	**905,301**	**948,446**	**962,942**	**978,020**	**986,215**	**100.0**	**100.0**
Coal	307,361	311,386	314,230	315,350	313,019	313,020	313,380	312,956	41.9	31.7
Petroleum	77,921[R]	66,622[R]	66,162	59,651	60,730	59,119	58,548	58,097	10.6	5.9
Natural Gas	140,849[R]	174,482[R]	252,832	312,512	355,442	371,011	383,061	388,294	19.2	39.4
Other Gases	1,641	1,661	1,670	2,008	1,994	2,296	2,063	2,256	0.2	0.2
Nuclear	99,624	99,515	98,159	98,657	99,209	99,628	99,988	100,334	13.6	10.2
Hydroelectric	73,923	78,562	78,916	79,356	78,694	77,641	77,541	77,821	10.1	7.9
Other Renewables	12,840	15,300	16,101[R]	16,710[R]	18,153[R]	18,717[R]	21,205[R]	24,113	1.7	2.4
Pumped Storage	19,462	21,387	19,664	20,371	20,522	20,764	21,347	21,461	2.7	2.2
Other	501	550	519[R]	686[R]	684[R]	746[R]	887[R]	882	0.1	0.1

See footnotes at end of tables.

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatthours)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
United States										
Electric Utilities	**2,808,151,009**	**2,994,528,592**	**2,629,945,673**	**2,549,457,170**	**2,462,280,615**	**2,505,231,152**	**2,474,845,558[R]**	**2,483,655,548**	**92.4**	**61.1**
Coal	1,559,605,707	1,652,914,466	1,560,145,542	1,514,669,950	1,500,281,112	1,513,640,806	1,484,855,188[R]	1,471,421,060	51.3	36.2
Petroleum	117,016,961	60,844,256	78,907,846	59,124,871	69,930,457	73,693,695	69,722,196[R]	40,902,849	3.9	1.0
Natural Gas	264,089,401	307,306,050	264,433,673	229,639,287	186,966,798	199,662,043	238,203,738[R]	282,088,323	8.7	6.9
Other Gases	-	-	-	206,469	242,655	374,012	9,810	30,300	-	*
Nuclear	576,861,678	673,402,123	534,207,221	507,379,828	458,828,821	475,682,277	436,296,037[R]	425,341,428	19.0	10.5
Hydroelectric	283,433,659	296,377,840	197,803,985	242,302,069	249,621,997	245,545,963	245,553,417[R]	261,863,602	9.3	6.4
Other Renewables	10,651,344	6,408,988	1,665,739	3,088,677	3,421,334	3,691,830	4,945,386	6,588,379	0.4	0.2
Pumped Storage	-3,507,741	-2,725,131	-7,704,482	-7,433,807	-7,531,885	-7,526,206	-5,383,451[R]	-5,280,767	-0.1	-0.1
Other	-	-	486,149	479,826	519,327	466,733	643,237	700,374	-	*
Independent Power Producers and Combined Heat and Power	**229,837,268**	**358,958,770**	**1,106,697,980**	**1,308,995,082**	**1,420,904,589**	**1,465,324,110**	**1,580,577,191[R]**	**1,581,046,679**	**7.6**	**38.9**
Coal	34,405,772	56,512,002	343,810,401	418,460,404	473,455,638	464,979,413	528,323,650[R]	519,505,031	1.1	12.8
Petroleum	9,604,181	13,709,809	45,972,376	35,442,523	49,475,184	47,077,229[R]	52,799,757[R]	23,461,025	0.3	0.6
Natural Gas	108,675,753	188,751,895	374,695,447	461,366,459	462,940,744	509,191,482[R]	519,770,593[R]	530,955,692	3.6	13.1
Other Gases	10,382,830	13,869,951	9,039,473	11,256,216	15,357,365	16,392,078	16,306,963[R]	16,029,917	0.3	0.4
Nuclear	-	-	234,619,087	272,684,259	304,903,874	312,846,110	345,690,328[R]	361,877,208	-	8.9
Hydroelectric	9,432,187	14,454,908	19,157,059	22,026,763	26,184,330	22,871,345	24,767,838[R]	27,382,814	0.3	0.7
Other Renewables	53,720,882	67,556,397	69,102,907	76,020,495	76,065,455	78,911,762	82,267,354[R]	89,835,004	1.8	2.2
Pumped Storage	-	-	-1,118,963	-1,309,121	-1,003,180	-962,004	-1,174,337[R]	-1,277,075	-	*
Other	3,615,663	4,103,808	11,420,193	13,047,085	13,525,180	14,016,697	11,825,045	13,277,063	0.1	0.3
Total Electric Industry	**3,037,988,277**	**3,353,487,362**	**3,736,643,653**	**3,858,452,252**	**3,883,185,204**	**3,970,555,262**	**4,055,422,750[R]**	**4,064,702,227**	**100.0**	**100.0**
Coal	1,594,011,479	1,709,426,468	1,903,955,943	1,933,130,354	1,973,736,750	1,978,620,219	2,013,178,838[R]	1,990,926,091	52.5	49.0
Petroleum	126,621,142	74,554,065	124,880,222	94,567,394	119,405,641	120,770,924[R]	122,521,953	64,363,874	4.2	1.6
Natural Gas	372,765,154	496,057,945	639,129,120	691,005,746	649,907,542	708,853,525[R]	757,974,331	813,044,015	12.3	20.0
Other Gases	10,382,830	13,869,951	9,039,473	11,462,685	15,600,020	16,766,090	16,316,773[R]	16,060,217	0.3	0.4
Nuclear	576,861,678	673,402,123	768,826,308	780,064,087	763,732,695	788,528,387	781,986,365	787,218,636	19.0	19.4
Hydroelectric	292,865,846	310,832,748	216,961,044	264,328,832	275,806,327	268,417,308	270,321,255[R]	289,246,416	9.6	7.1
Other Renewables	64,372,226	73,965,385	70,768,646	79,109,172	79,486,789	82,603,592	87,212,740[R]	96,423,384	2.1	2.4
Pumped Storage	-3,507,741	-2,725,131	-8,823,445	-8,742,928	-8,535,065	-8,488,210	-6,557,788	-6,557,842	-0.1	-0.2
Other	3,615,663	4,103,808	11,906,342	13,526,911	14,044,507	14,483,430	12,468,282	13,977,436	0.1	0.3

See footnotes at end of tables.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1990, 1995, and 2001 Through 2006

Fuel, Quality	1990	1995	2001	2002	2003	2004	2005	2006
United States								
Coal (cents per million Btu)	145	132	123	125	128	136	154	169
Average heat value (Btu per pound)	10,465	10,248	10,200	10,168	10,137	10,074	10,107	10,063
Average sulfur Content (percent)	1.35	1.08	0.89	0.94	0.97	0.97	0.98	0.97
Petroleum (cents per million Btu)	335	257	369	334	433	429	644	623
Average heat value (Btu per gallon)	149,536	149,371	147,857	147,902	147,086	147,286	146,481	143,883
Average sulfur Content (percent)	1.02	1.21	1.42	1.64	1.53	1.66	1.61	2.31
Natural Gas (cents per million Btu)	232	198	449	356	539	596	821	694
Average heat value (Btu per cubic foot)	1,027	1,019	1,020	1,025	1,030	1,027	1,028	1,027

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1990, 1995, and 2001 Through 2006
(Thousand Metric Tons)

Emission Type	1990	1995	2001	2002	2003	2004	2005	2006
United States								
Sulfur Dioxide								
Coal	14,281	11,006	9,905	9,786	9,688	9,437	9,499	8,867
Petroleum	937	613	1,002	773	717	633	587	427
Natural Gas	1	1	2	2	2	2	2	2
Other	243	275	265	320	239	237	251	227
Total	15,462	11,896	11,174	10,881	10,646	10,309	10,340	9,524
Nitrogen Oxide								
Coal	7,119	7,035	4,096	4,057	3,607	3,286	3,135	2,996
Petroleum	208	122	294	225	240	225	221	164
Natural Gas	513	599	631	625	453	416	383	399
Other	122	129	268	287	232	217	222	240
Total	7,961	7,885	5,290	5,194	4,532	4,143	3,961	3,799
Carbon Dioxide								
Coal	1,572,389	1,697,952	1,895,181	1,912,656	1,947,172	1,962,742	2,001,237	1,974,057
Petroleum	118,386	76,280	116,084	90,208	110,955	114,653	115,944	67,326
Natural Gas	232,682	297,108	365,311	377,056	343,394	365,205	381,927	403,024
Geothermal	380	326	349	369	367	377	374	371
Other Renewables	7,411	11,844	12,821	14,759	13,793	13,956	14,128	15,023
Total	1,931,248	2,083,509	2,389,745	2,395,048	2,415,680	2,456,934	2,513,609	2,459,800

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1990, 1995, and 2001 Through 2006

Sector	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
United States										
Retail Sales (thousand megawatthours)										
Residential	924,019	1,042,501	1,201,607	1,265,180	1,275,824	1,291,982	1,359,227	1,351,520	34.1	36.8
Commercial	751,027	862,685	1,083,069	1,104,497	1,198,728	1,230,425	1,275,079	1,299,744	27.7	35.4
Industrial	945,522	1,012,693	996,609	990,238	1,012,373	1,017,850	1,019,156	1,011,298	34.9	27.6
Other	91,988	95,407	113,174	105,552	NA	NA	NA	NA	3.4	NA
Transportation	NA	NA	NA	NA	6,810	7,224	7,506	7,358	NA	0.2
All Sectors	2,712,555	3,013,287	3,394,458	3,465,466	3,493,734	3,547,479	3,660,969	3,669,919	100.0	100.0
Retail Revenue (million dollars)										
Residential	72,378	87,610	103,158	106,834	111,249	115,577	128,393	140,582	40.6	43.1
Commercial	55,117	66,365	85,741	87,117	96,263	100,546	110,522	122,914	30.9	37.6
Industrial	44,857	47,175	50,293	48,336	51,741	53,477	58,445	62,308	25.2	19.1
Other	5,891	6,567	8,151	7,124	NA	NA	NA	NA	3.3	NA
Transportation	NA	NA	NA	NA	514	519	643	702	NA	0.2
All Sectors	178,243	207,717	247,343	249,411	259,767	270,119	298,003	326,506	100.0	100.0
Average Retail Prices (cents/KWh)										
Residential	7.83	8.40	8.58	8.44	8.72	8.95	9.45	10.40	NA	NA
Commercial	7.34	7.69	7.92	7.89	8.03	8.17	8.67	9.46	NA	NA
Industrial	4.74	4.66	5.05	4.88	5.11	5.25	5.73	6.16	NA	NA
Other	6.40	6.88	7.20	6.75	NA	NA	NA	NA	NA	NA
Transportation	NA	NA	NA	NA	7.54	7.18	8.57	9.54	NA	NA
All Sectors	6.57	6.89	7.29	7.20	7.44	7.61	8.14	8.90	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2006

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
United States								
Number of Entities	215	2,010	9	882	49	150	64	3,379
Number of Retail Customers	100,245,547	20,345,236	39,430	17,465,423	2,166	2,306,163	NA	140,403,965
Retail Sales (thousand megawatthours)	2,476,445	549,124	42,359	370,410	12,397	219,185	NA	3,669,919
Percentage of Retail Sales	67.48	14.96	1.15	10.09	0.34	5.97	NA	100.00
Revenue from Retail Sales (million dollars)	224,637	44,271	1,494	31,411	868	16,784	7,040	326,506
Percentage of Revenue	68.80	13.56	0.46	9.62	0.27	5.14	2.16	100.00
Average Retail Price (cents/kWh)	9.06	8.06	3.53	8.48	7.00	7.66	3.21	8.90

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 services. 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.

Table 10. Supply and Disposition of Electricity, 1990, 1995, and 2001 Through 2006
(Million Kilowatthours)

Category	1990	1995	2001	2002	2003	2004	2005	2006
United States								
Supply								
Generation								
Electric Utilities	2,808,151	2,994,529	2,629,946	2,549,457	2,462,281	2,505,231	2,474,846	2,483,656
Independent Power Producers	31,895	58,222	780,592	955,331	1,063,205	1,118,870	1,246,971	1,259,062
Combined Heat and Power, Electric	61,275	141,480	169,515	193,670	195,674	184,259	180,375	165,359
Electric Power Sector Generation Subtotal	**2,901,322**	**3,194,230**	**3,580,053**	**3,698,458**	**3,721,159**	**3,808,360**	**3,902,192**	**3,908,077**
Combined Heat and Power, Commercial	5,837	8,232	7,416	7,415	7,496	8,270	8,492	8,371
Combined Heat and Power, Industrial	130,830	151,025	149,175	152,580	154,530	153,925	144,739	148,254
Industrial and Commercial Generation Subtotal	**136,667**	**159,257**	**156,591**	**159,994**	**162,026**	**162,195**	**153,231**	**156,625**
Total Net Generation	**3,037,988**	**3,353,487**	**3,736,644**	**3,858,452**	**3,883,185**	**3,970,555**	**4,055,423**	**4,064,702**
Total International Imports	**18,445**	**42,854**	**38,500**	**36,779**	**30,390**	**34,210**	**44,527**	**42,691**
Total Supply	**3,056,434**	**3,396,341**	**3,775,144**	**3,895,231**	**3,913,575**	**4,004,765**	**4,099,950**	**4,107,394**
Disposition								
Retail Sales								
Full Service Providers	2,712,555	3,013,287	3,296,663	3,324,093	3,285,249	3,317,635	3,412,721	3,438,337
Energy-Only Providers	-	-	97,796	141,373	188,785	222,027	237,055	219,185
Facility Direct Retail Sales	-	-	-	-	19,700	7,817	11,193	12,397
Total Electric Industry Retail Sales	**2,712,555**	**3,013,287**	**3,394,458**	**3,465,466**	**3,493,734**	**3,547,479**	**3,660,969**	**3,669,919**
Direct Use	**124,368**	**150,677**	**162,649**	**166,184**	**168,295**	**168,470**	**150,016**	**146,927**
Total International Exports	**16,134**	**3,623**	**16,473**	**15,796**	**23,972**	**22,898**	**19,803**	**24,271**
Estimated Losses	**203,377**	**228,755**	**201,564**	**247,785**	**227,573**	**265,918**	**269,163**	**266,277**
Total Disposition	**3,056,434**	**3,396,341**	**3,775,144**	**3,895,231**	**3,913,575**	**4,004,765**	**4,099,950**	**4,107,394**

R = Revised.
NA = Not applicable; NM = Not meaningful.
W = Withheld to avoid disclosure of individual company data.
- = Data not available.
* = 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 10 Note: Estimated Losses are reported at the utility level, and then allocated to States based on the utility's retail sales by State. Reported losses may include electricity unaccounted for by the utility.
General Notes: Table 4 “Other Renewables” includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. The “Other” category includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. However, Table 5 “Other Renewables” includes only biogenic municipal solid waste, in addition to wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. In Table 5 “Other” includes Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. In Table 7, “Other Renewables” emissions include biogenic municipal solid waste, and other renewable 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.

Table A1. Selected Electric Industry Summary Statistics by State, 2006

State	Primary Fuel Source	Total Net Summer Capacity		Net Generation		Sulfur Dioxide Emissions		Nitrogen Oxide Emissions		Carbon Dioxide Emissions	
		(MW)	Rank	(MWh)	Rank	(1000 Metric Tons)	Rank	(1000 Metric Tons)	Rank	(1000 Metric Tons)	Rank
Alabama	Coal	30,664	9	140,895,441	8	458	6	122	10	85,116	9
Alaska	Gas	1,884	48	6,674,197	49	4	48	18	41	4,585	46
Arizona	Coal	25,608	15	104,392,528	14	45	33	75	21	53,353	17
Arkansas	Coal	14,507	26	52,168,703	27	82	28	38	34	28,494	32
California	Gas	63,213	2	216,798,688	4	27	38	91	15	59,389	15
Colorado	Coal	11,156	31	50,698,353	28	59	30	66	26	41,847	23
Connecticut	Nuclear	7,882	35	34,681,736	37	5	46	9	47	11,057	39
Delaware	Coal	3,374	44	7,182,179	46	30	36	11	44	5,885	44
District of Columbia	Petroleum	806	51	81,467	51	*	50	*	51	99	50
Florida	Gas	53,206	3	223,751,621	2	329	10	212	3	126,529	3
Georgia	Coal	36,499	7	138,010,208	9	685	4	130	8	89,898	8
Hawaii	Petroleum	2,414	47	11,559,174	45	22	39	29	37	9,036	41
Idaho	Hydroelectric	3,210	45	13,386,085	44	5	47	2	49	875	49
Illinois	Nuclear	42,289	5	192,426,958	5	309	12	122	9	99,479	6
Indiana	Coal	26,990	13	130,489,788	10	758	3	202	4	121,950	5
Iowa	Coal	11,143	32	45,483,462	33	132	19	64	27	40,577	25
Kansas	Coal	11,124	33	45,523,736	32	101	24	74	22	35,639	28
Kentucky	Coal	20,047	21	98,792,014	16	391	9	158	6	93,160	7
Louisiana	Gas	26,786	14	90,921,829	20	125	20	90	16	54,098	16
Maine	Gas	4,187	43	16,816,173	43	17	41	10	45	5,635	45
Maryland	Coal	12,500	29	48,956,880	29	271	13	62	29	30,497	31
Massachusetts	Gas	13,932	27	45,597,775	31	49	32	22	39	23,708	34
Michigan	Coal	30,189	10	112,556,739	12	327	11	113	11	75,633	12
Minnesota	Coal	12,651	28	53,237,789	26	94	25	85	17	37,565	26
Mississippi	Coal	16,620	23	46,228,847	30	82	27	45	33	25,802	33
Missouri	Coal	20,599	19	91,686,343	19	260	15	108	12	79,102	11
Montana	Coal	5,437	40	28,243,536	41	22	40	38	35	19,087	37
Nebraska	Coal	7,071	37	31,669,969	39	65	29	61	30	22,293	35
Nevada	Gas	9,648	34	31,860,022	38	8	45	31	36	16,620	38
New Hampshire	Nuclear	4,340	42	22,063,695	42	37	34	9	46	7,065	43
New Jersey	Nuclear	18,971	22	60,700,139	24	56	31	28	38	19,861	36
New Mexico	Coal	7,102	36	37,265,625	36	28	37	72	23	33,051	29
New York	Nuclear	39,550	6	142,265,432	7	122	21	64	28	50,961	19
North Carolina	Coal	27,061	12	125,214,784	11	447	7	100	13	73,138	13
North Dakota	Coal	4,839	41	30,881,137	40	119	22	68	25	31,267	30
Ohio	Coal	33,877	8	155,434,075	6	970	1	224	2	129,010	2
Oklahoma	Coal	20,085	20	70,614,880	22	110	23	84	18	52,242	18
Oregon	Hydroelectric	12,333	30	53,340,695	25	11	44	12	43	7,088	42
Pennsylvania	Coal	45,005	4	218,811,595	3	839	2	176	5	125,864	4
Rhode Island	Gas	1,771	49	5,967,725	50	1	49	3	48	2,513	48
South Carolina	Nuclear	22,782	16	99,267,606	15	219	16	49	32	40,847	24
South Dakota	Hydroelectric	2,933	46	7,132,243	47	12	42	14	42	3,526	47
Tennessee	Coal	20,905	18	93,911,102	17	270	14	100	14	61,380	14
Texas	Gas	100,754	1	400,582,878	1	558	5	260	1	257,552	1
Utah	Coal	6,712	38	41,263,324	35	34	35	69	24	36,445	27
Vermont	Nuclear	1,117	50	7,084,344	48	*	51	*	50	10	51
Virginia	Coal	22,648	17	73,069,537	21	197	18	59	31	42,068	22
Washington	Hydroelectric	28,224	11	108,203,155	13	11	43	20	40	10,360	40
West Virginia	Coal	16,443	24	93,815,804	18	428	8	140	7	85,075	10
Wisconsin	Coal	16,415	25	61,639,843	23	208	17	77	20	48,251	20
Wyoming	Coal	6,707	39	45,400,370	34	84	26	82	19	45,216	21
United States	Coal	986,215	-	4,064,702,227	-	9,524	-	3,799	-	2,459,800	-

Table A1. Selected Electric Industry Summary Statistics by State, 2006 (Continued)

State	Total Retail Sales		Full Service Sales (including unregulated generators)		Other Providers		Direct Use		Average Retail Price, All Sectors	
	(MWh)	Rank	(MWh)	Rank	(MWh)	Rank	(MWh)	Rank	(cents/kWh)	Rank
Alabama	90,677,695	14	90,677,695	13	-	-	6,209,972	5	7.07	30
Alaska	6,182,291	50	6,182,291	48	-	-	289,065	38	12.84	7
Arizona	73,252,776	21	73,252,776	20	-	-	268,615	39	8.24	21
Arkansas	46,635,624	30	46,635,624	28	-	-	2,054,330	17	6.99	33
California	262,958,528	2	241,735,246	2	21,223,282	4	14,030,060	3	12.82	8
Colorado	49,733,698	27	49,733,698	25	-	-	150,126	42	7.61	26
Connecticut	31,677,453	35	30,148,657	35	1,528,796	15	302,207	37	14.83	4
Delaware	11,554,672	43	9,043,983	46	2,510,689	13	493,536	34	10.13	15
District of Columbia	11,396,424	44	5,964,971	49	5,431,453	11	0	50	11.08	12
Florida	228,219,544	3	228,219,544	3	-	-	5,274,184	7	10.45	13
Georgia	134,834,168	8	134,834,168	6	-	-	5,421,307	6	7.63	25
Hawaii	10,567,912	47	10,567,912	43	-	-	365,273	36	20.72	1
Idaho	22,761,749	38	22,761,749	38	-	-	604,855	33	4.92	51
Illinois	142,447,811	6	115,937,725	8	26,510,086	2	3,606,139	9	7.07	31
Indiana	105,664,484	12	105,664,484	10	-	-	7,524,962	4	6.46	42
Iowa	43,336,835	31	43,336,835	29	-	-	1,595,367	22	7.01	32
Kansas	39,751,302	32	39,751,302	31	-	-	7,386	49	6.89	38
Kentucky	88,743,435	15	88,743,435	14	-	-	399,822	35	5.43	48
Louisiana	77,467,748	20	77,467,748	19	-	-	23,505,570	2	8.30	20
Maine	12,284,768	42	831,667	51	11,453,101	8	4,344,309	8	11.80	10
Maryland	63,173,143	24	41,666,356	30	21,506,787	3	1,323,256	25	9.95	16
Massachusetts	55,850,090	25	34,794,615	32	21,055,475	5	911,950	30	15.45	2
Michigan	108,017,697	10	102,398,636	12	5,619,061	10	2,353,796	14	8.14	22
Minnesota	66,769,931	23	66,769,931	22	-	-	1,666,353	20	6.98	35
Mississippi	46,936,437	29	46,936,437	27	-	-	1,963,919	18	8.33	19
Missouri	82,015,230	17	82,015,230	17	-	-	160,160	41	6.30	43
Montana	13,814,980	41	10,820,511	42	2,994,469	12	120,358	44	6.91	37
Nebraska	27,276,292	36	27,276,292	36	-	-	72,863	46	6.07	46
Nevada	34,586,260	33	33,329,949	33	1,256,311	16	893,050	31	9.63	17
New Hampshire	11,094,343	46	10,048,822	45	1,045,521	18	124,832	43	13.84	6
New Jersey	79,680,947	19	64,113,031	23	15,567,916	6	2,209,981	16	11.88	9
New Mexico	21,434,957	39	21,434,957	39	-	-	92,839	45	7.37	28
New York	142,238,019	7	87,101,911	15	55,136,108	1	1,717,878	19	15.27	3
North Carolina	126,698,979	9	126,698,979	7	-	-	2,350,399	15	7.53	27
North Dakota	11,245,238	45	11,245,238	41	-	-	195,339	40	6.21	44
Ohio	153,428,844	4	140,258,856	4	13,169,988	7	1,296,078	26	7.71	24
Oklahoma	54,905,314	26	54,905,314	24	-	-	986,758	28	7.30	29
Oregon	48,069,265	28	46,962,026	26	1,107,239	17	1,418,985	23	6.53	41
Pennsylvania	146,150,358	5	137,244,377	5	8,905,981	9	2,872,473	11	8.68	18
Rhode Island	7,799,126	49	6,770,572	47	1,028,554	19	66,119	47	13.98	5
South Carolina	80,877,321	18	80,877,321	18	-	-	1,619,838	21	6.98	34
South Dakota	10,056,387	48	10,056,387	44	-	-	0	50	6.70	40
Tennessee	103,931,744	13	103,931,744	11	-	-	2,376,179	13	6.97	36
Texas	342,724,213	1	342,724,213	1	-	-	33,121,582	1	10.34	14
Utah	26,365,716	37	26,365,716	37	-	-	967,261	29	5.99	47
Vermont	5,795,029	51	5,795,029	50	-	-	25,524	48	11.37	11
Virginia	106,721,241	11	106,679,301	9	41,940	20	2,618,130	12	6.86	39
Washington	85,033,335	16	82,941,354	16	2,091,981	14	759,485	32	6.14	45
West Virginia	32,312,126	34	32,312,126	34	-	-	1,390,780	24	5.04	50
Wisconsin	69,820,749	22	69,820,749	21	-	-	3,586,727	10	8.13	23
Wyoming	14,946,612	40	14,946,612	40	-	-	1,216,635	27	5.27	49
United States	3,669,918,840	-	3,450,734,102	-	219,184,738	-	146,926,612	-	8.90	-