

State Electricity Profiles 2008

March 2010

U.S. Energy Information Administration
Office of Coal, Nuclear, Electric and Alternate Fuels
U.S. Department of Energy
Washington, DC 20585

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Contacts

Questions regarding this report may be directed to:

U. S. Energy Information Administration, EI-53
Electric Power Division
U.S. Department of Energy
1000 Independence Avenue, S.W.
Washington, D.C. 20585-0650

Publication Coordinator:

Michelle Bowles (202/586-2430)
email: michelle.bowles@eia.doe.gov

Questions of a specific nature should be directed to One of the following staff:

Capacity

Patricia Hutchins (202/586-1029)
email: patricia.hutchins@eia.doe.gov

Generation

Channele Wirman (202/586-5356)
email: channele.wirman@eia.doe.gov

Chris Cassar (202/586-5448)
email: christopher.cassar@eia.doe.gov

Ron S. Hankey (202/586-2630)
email: ronald.hankey@eia.doe.gov

Fuel

Rebecca A. McNerney (202/586-4509)
email: rebecca.mcnerney@eia.doe.gov

Channele Wirman (202/586-5356)
email: channele.wirman@eia.doe.gov

Chris Cassar (202/586-5448)
email: christopher.cassar@eia.doe.gov

Ron S. Hankey (202/586-2630)
email: ronald.hankey@eia.doe.gov

Emissions

Kevin G. Lillis (202/586-3704)
email: kevin.lillis@eia.doe.gov

Trade

Barbara Rucker (202/586-4588)
email: barbara.rucker@eia.doe.gov

Retail Customers, Sales and Revenue

Karen McDaniel (202/586-4280)
email: karen.mcdaniel@eia.doe.gov

Stephen Scott (202/586-5140)
email: stephen.scott@eia.doe.gov

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For general inquiries about energy data, please contact the National Energy Information Center at 202-586-8800). Internet users may contact the center at: infoctr@eia.doe.gov.

Preface

The State Electricity Profiles 2008 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; U.S. 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 1998, and 2002 through 2008. 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.

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

Table 1. 2008 Summary Statistics

Item	Value	U.S. Rank
Alabama		
NERC Region(s).....		SERC
Primary Energy Source.....		Coal
Net Summer Capacity (megawatts)	31,222	9
Electric Utilities.....	23,144	8
Independent Power Producers & Combined Heat and Power.....	8,078	14
Net Generation (megawatthours).....	145,869,895	7
Electric Utilities.....	128,054,895	2
Independent Power Producers & Combined Heat and Power.....	17,815,000	19
Emissions (thousand metric tons)		
Sulfur Dioxide	364	6
Nitrogen Oxide	111	10
Carbon Dioxide.....	82,917	10
Sulfur Dioxide (lbs/MWh)	5.5	15
Nitrogen Oxide (lbs/MWh)	1.7	32
Carbon Dioxide (lbs/MWh).....	1,253	30
Total Retail Sales (megawatthours)	89,707,279	15
Full Service Provider Sales (megawatthours)	89,707,279	13
Direct Use (megawatthours)	4,771,287	9
Average Retail Price (cents/kWh).....	8.59	26

MWh = Megawatthours.

kWh = Kilowatthours.

Sources: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 2. Ten Largest Plants by Generating Capacity, 2008

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
Alabama			
1. Browns Ferry	Nuclear	Tennessee Valley Authority	3,274
2. James H Miller Jr.....	Coal	Alabama Power Co	2,752
3. Barry	Coal	Alabama Power Co	2,425
4. E C Gaston.....	Coal	Alabama Power Co	1,878
5. H Allen Franklin Combined Cycle.....	Gas	Southern Power Co	1,808
6. Joseph M Farley.....	Nuclear	Alabama Power Co	1,711
7. Widows Creek	Coal	Tennessee Valley Authority	1,604
8. Colbert	Coal	Tennessee Valley Authority	1,574
9. E B Harris Electric Generating Plant.....	Gas	Southern Power Co	1,254
10. Greene County.....	Coal	Alabama Power Co	1,237

MW = Megawatt.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2008
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
Alabama						
1. Alabama Power Co.....	Investor-Owned	55,207,195	18,379,801	14,752,778	22,074,616	-
2. Tennessee Valley Authority	Federal	5,645,637	-	-	5,645,637	-
3. Huntsville City of	Public	5,273,523	2,416,610	1,736,276	1,120,637	-
4. Joe Wheeler Elec Member Corp.....	Cooperative	1,427,321	618,460	270,311	538,550	-
5. Decatur Utilities.....	Public	1,393,649	371,782	311,631	710,236	-
Total Sales, Top Five Providers		68,947,325	21,786,653	17,070,996	30,089,676	-
Percent of Total State Sales		77	68	76	86	-

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatts)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Alabama										
Electric Utilities.....	21,292	23,429	23,007	23,186	23,252	23,218	23,182	23,144	95.2	74.1
Coal.....	11,349	11,246	11,217	11,238	11,500	11,465	11,452	11,414	50.7	36.6
Petroleum.....	16	34	34	34	34	34	34	34	0.1	0.1
Natural Gas	1,971	4,182	3,550	3,627	3,471	3,440	3,440	3,440	8.8	11.0
Nuclear.....	4,947	4,966	4,972	5,008	5,008	5,008	4,985	4,985	22.1	16.0
Hydroelectric	3,009	3,002	3,234	3,280	3,240	3,271	3,272	3,272	13.5	10.5
Independent Power Producers and Combined Heat and Power	1,081	3,157	7,154	7,461	7,442	7,446	7,432	8,078	4.8	25.9
Coal.....	23	19	14	132	92	92	92	92	0.1	0.3
Petroleum.....	15	7	7	9	9	9	9	9	0.1	*
Natural Gas	222	2,585	6,585	6,681	6,688	6,664	6,657	7,284	1.0	23.3
Other Gases.....	104	4	4	84	100	100	100	100	0.5	0.3
Other Renewables.....	717	543	544	555	553	581	574	593	3.2	1.9
Total Electric Industry.....	22,374	26,586	30,162	30,647	30,694	30,664	30,614	31,222	100.0	100.0
Coal.....	11,372	11,265	11,231	11,370	11,592	11,557	11,544	11,506	50.8	36.9
Petroleum.....	31	41	41	43	43	43	43	43	0.1	0.1
Natural Gas	2,193	6,766	10,136	10,308	10,159	10,104	10,098	10,724	9.8	34.3
Other Gases.....	104	4	4	84	100	100	100	100	0.5	0.3
Nuclear.....	4,947	4,966	4,972	5,008	5,008	5,008	4,985	4,985	22.1	16.0
Hydroelectric	3,009	3,002	3,234	3,280	3,240	3,271	3,272	3,272	13.5	10.5
Other Renewables.....	717	543	544	555	553	581	574	593	3.2	1.9

* = 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 *).

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatthours)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Alabama										
Electric Utilities.....	113,393,840	123,739,223	126,845,720	124,554,606	126,303,893	124,365,180	124,273,167	128,054,895	94.6	87.8
Coal.....	71,457,433	71,630,811	76,238,978	74,475,725	77,742,466	77,664,239	77,575,448	74,280,210	59.6	50.9
Petroleum.....	260,095	184,379	195,363	111,271	97,269	87,885	73,570	98,804	0.2	0.1
Natural Gas.....	2,448,942	11,242,320	6,069,559	7,705,600	6,625,354	7,450,174	8,162,908	8,543,211	2.0	5.9
Nuclear.....	28,662,513	31,856,926	31,676,953	31,635,789	31,694,223	31,911,096	34,325,127	38,992,641	23.9	26.7
Hydroelectric.....	10,564,857	8,824,787	12,664,867	10,626,221	10,144,581	7,251,786	4,136,114	6,136,148	8.8	4.2
Other Renewables.....	-	-	-	-	-	-	-	3,882	-	*
Independent Power Producers and Combined Heat and Power.....	6,468,285	9,181,447	10,641,502	12,800,165	11,644,688	16,530,261	19,553,104	17,815,000	5.4	12.2
Coal.....	482,603	410,853	457,413	355,899	385,991	444,429	418,312	324,438	0.4	0.2
Petroleum.....	193,579	127,669	141,281	183,754	235,841	92,281	83,352	105,461	0.2	0.1
Natural Gas.....	1,302,756	4,661,745	6,174,039	8,271,419	7,244,097	11,957,048	15,068,868	13,819,708	1.1	9.5
Other Gases.....	268,002	112,541	170,368	181,942	106,864	131,109	178,368	203,739	0.2	0.1
Other Renewables.....	4,220,118	3,745,894	3,672,858	3,779,233	3,646,802	3,884,462	3,800,620	3,353,432	3.5	2.3
Other.....	1,227	122,745	25,543	27,917	25,093	20,933	3,583	8,222	*	*
Total Electric Industry.....	119,862,125	132,920,670	137,487,222	137,354,771	137,948,581	140,895,441	143,826,271	145,869,895	100.0	100.0
Coal.....	71,940,036	72,041,664	76,696,391	74,831,624	78,128,457	78,108,668	77,993,760	74,604,648	60.0	51.1
Petroleum.....	453,674	312,048	336,644	295,025	333,110	180,166	156,922	204,265	0.4	0.1
Natural Gas.....	3,751,698	15,904,065	12,243,598	15,977,019	13,869,451	19,407,222	23,231,776	22,362,919	3.1	15.3
Other Gases.....	268,002	112,541	170,368	181,942	106,864	131,109	178,368	203,739	0.2	0.1
Nuclear.....	28,662,513	31,856,926	31,676,953	31,635,789	31,694,223	31,911,096	34,325,127	38,992,641	23.9	26.7
Hydroelectric.....	10,564,857	8,824,787	12,664,867	10,626,221	10,144,581	7,251,786	4,136,114	6,136,148	8.8	4.2
Other Renewables.....	4,220,118	3,745,894	3,672,858	3,779,233	3,646,802	3,884,462	3,800,620	3,357,313	3.5	2.3
Other.....	1,227	122,745	25,543	27,917	25,093	20,933	3,583	8,222	*	*

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1998 and 2002 Through 2008

Fuel, Quality	1998	2002	2003	2004	2005	2006	2007	2008
Alabama								
Coal (cents per million Btu)	157	W	W	W	W	211	W	271
Average heat value (Btu per pound).....	11,519	10,828	10,977	10,878	10,950	10,879	10,644	10,659
Average sulfur Content (percent).....	1.13	0.94	0.95	0.84	0.97	0.94	0.88	0.89
Petroleum (cents per million Btu) ¹	288	W	W	W	W	W	W	1,672
Average heat value (Btu per gallon).....	139,510	140,588	141,395	142,757	141,012	140,469	143,452	140,050
Average sulfur Content (percent).....	0.19	0.15	0.12	0.13	0.10	0.14	0.87	0.37
Natural Gas (cents per million Btu).....	248	346	561	606	925	709	700	973
Average heat value (Btu per cubic foot).....	1,044	1,037	1,039	1,035	1,041	1,036	1,031	1,028

¹ Petroleum includes petroleum liquids and petroleum coke.

Btu = British thermal unit.

W = Withheld to avoid disclosure of individual company data.

Note: Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. There may be a notable increase in fuel receipts beginning with 2008. For more information, please see the Technical Notes in the Electric Power Annual.

Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report." Federal Energy Regulatory Commission, FERC Form 423, "Monthly Cost and Quality of Fuels for Electric Plants." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 7. Electric Power Industry Emissions Estimates, 1998 and 2002 Through 2008
(Thousand Metric Tons)

Emission Type	1998	2002	2003	2004	2005	2006	2007	2008
Alabama								
Sulfur Dioxide								
Coal.....	543	417	425	385	428	430	423	335
Petroleum.....	4	1	1	1	1	1	1	1
Natural Gas.....	*	*	*	*	*	*	*	*
Other Gases.....	*	*	*	*	*	*	*	*
Other Renewables.....	34	28	26	23	26	26	25	29
Other.....	*	*	*	*	*	*	*	*
Total.....	582	447	453	409	456	458	449	364
Nitrogen Oxide								
Coal.....	181	140	136	120	118	110	108	98
Petroleum.....	2	1	1	*	1	*	*	*
Natural Gas.....	12	13	8	9	6	5	6	7
Other Gases.....	1	1	*	1	1	1	*	*
Other Renewables.....	14	10	7	6	6	6	6	5
Other.....	*	*	*	*	-	-	-	-
Total.....	209	165	152	136	131	122	121	111
Carbon Dioxide								
Coal.....	70,263 ^R	71,839 ^R	74,101 ^R	71,973 ^R	76,409 ^R	76,519 ^R	77,139 ^R	72,811
Petroleum.....	632 ^R	448 ^R	521 ^R	1,229 ^R	1,390 ^R	398 ^R	343 ^R	258
Natural Gas.....	4,322 ^R	8,425 ^R	6,397 ^R	7,884 ^R	6,800 ^R	8,990 ^R	10,682 ^R	9,827
Other.....	13	11	60 ^R	40 ^R	32	24	10	22
Total.....	75,229 ^R	80,723 ^R	81,078 ^R	81,126 ^R	84,631 ^R	85,931 ^R	88,173 ^R	82,917

R = Revised.

* = 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 *).

- (dash) = Data not available.

Source: Calculations made by the Electric Power Division, U. S. Energy Information Administration.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1998 and 2002 Through 2008

Sector	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Alabama										
Retail Sales (thousand megawatthours)										
Residential	27,327	30,022	29,416	30,109	31,315	32,277	32,783	32,185	34.5	35.9
Commercial	17,662	19,666	20,411	21,166	21,608	22,120	22,873	22,533	22.3	25.1
Industrial	33,539	32,615	34,017	35,595	36,279	36,281	36,172	34,990	42.4	39.0
Other	644	764	NA	NA	NA	NA	NA	NA	0.8	--
All Sectors	79,173	83,067	83,844	86,871	89,202	90,678	91,828	89,707	100.0	100.0
Retail Revenue (million dollars)										
Residential	1,897	2,138	2,175	2,295	2,504	2,825	3,057	3,348	43.1	43.4
Commercial	1,155	1,305	1,399	1,506	1,620	1,809	1,991	2,223	26.2	28.8
Industrial	1,306	1,244	1,355	1,477	1,641	1,778	1,906	2,138	29.6	27.7
Other	47	57	NA	NA	NA	NA	NA	NA	1.1	--
All Sectors	4,404	4,745	4,929	5,278	5,765	6,411	6,954	7,709	100.0	100.0
Average Retail Prices (cents/kWh)										
Residential	6.94	7.12	7.39	7.62	8.00	8.75	9.32	10.40	--	--
Commercial	6.54	6.63	6.85	7.12	7.50	8.18	8.70	9.87	--	--
Industrial	3.89	3.82	3.98	4.15	4.52	4.90	5.27	6.11	--	--
Other	7.26	7.46	NA	NA	NA	NA	NA	NA	--	--
All Sectors	5.56	5.71	5.88	6.08	6.46	7.07	7.57	8.59	--	--

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 9. Retail Electricity Sales Statistics, 2008

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Alabama								
Number of Entities	1	36	1	24	1	NA	NA	63
Number of Retail Customers	1,435,370	515,046	22	540,704	1	NA	NA	2,491,143
Retail Sales (thousand megawatthours)	55,207	16,803	5,646	11,626	426	NA	NA	89,707
Percentage of Retail Sales	61.54	18.73	6.29	12.96	0.47	--	--	100.00
Revenue from Retail Sales (million dollars)	4,862	1,402	276	1,161	8	NA	NA	7,709
Percentage of Revenue	63.07	18.19	3.58	15.05	0.10	--	--	100.00
Average Retail Price (cents/kWh)	8.81	8.34	4.89	9.98	1.84	NA	NA	8.59

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Totals may not equal sum of components because of independent rounding. 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.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 10. Supply and Disposition of Electricity, 1998 and 2002 Through 2008
(Million Kilowatthours)

Category	1998	2002	2003	2004	2005	2006	2007	2008
Alabama								
Supply								
Generation								
Electric Utilities	113,394	123,739	126,846	124,555	126,304	124,365	124,273	128,055
Independent Power Producers	4	2,357	4,065	6,127	4,821	7,103	9,202	10,683
Combined Heat and Power, Electric	842	1,459	1,311	1,446	2,174	4,683	5,705	2,569
Electric Power Sector Generation Subtotal	114,240	127,555	132,221	132,127	133,299	136,152	139,180	141,307
Combined Heat and Power, Industrial.....	5,622	5,365	5,266	5,227	4,650	4,744	4,646	4,562
Industrial and Commercial Generation Subtotal.....	5,622	5,365	5,266	5,227	4,650	4,744	4,646	4,562
Total Net Generation	119,862	132,921	137,487	137,355	137,949	140,895	143,826	145,870
Total Supply	119,862	132,921	137,487	137,355	137,949	140,895	143,826	145,870
Disposition								
Retail Sales								
Full Service Providers	79,173	83,067	83,844	86,871	89,202	90,678	91,828	89,282
Facility Direct Retail Sales ¹	-	-	-	-	-	-	-	426
Total Electric Industry Retail Sales	79,173	83,067	83,844	86,871	89,202	90,678	91,828	89,707
Direct Use	6,442	6,400	6,481	6,488	3,540	6,210	4,643	4,771
Estimated Losses.....	5,362	5,236	4,935^R	5,750^R	5,787^R	6,152	7,105	5,872
Total Disposition	90,976	94,703	95,260^R	99,108^R	98,529^R	103,039	103,576	100,350
Net Interstate Trade².....	28,886	38,217	42,227^R	38,246^R	39,419^R	37,856	40,250	45,519
Net Trade Index (ratio)³.....	1.32	1.40	1.44	1.39	1.40	1.37	1.39	1.45

¹ Facility Direct Retail Sales are electricity sales from non utility power producers which reported electricity sales to a retail customer.

² Net Interstate Trade is the difference between Total Supply and Total Disposition.

³ Net Trade Index is the ratio of Total Supply to Total Disposition.

R = Revised.

- (dash) = Data not available.

Notes: Totals may not equal sum of components because of independent rounding. 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. 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.

Sources: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms. U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry 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.

Table 1. 2008 Summary Statistics

Item	Value	U.S. Rank
Alaska		
NERC Region(s).....		--
Primary Energy Source.....		Gas
Net Summer Capacity (megawatts)	1,995	48
Electric Utilities.....	1,847	39
Independent Power Producers & Combined Heat and Power.....	148	50
Net Generation (megawatthours).....	6,774,834	50
Electric Utilities.....	6,262,148	39
Independent Power Producers & Combined Heat and Power.....	512,687	48
Emissions (thousand metric tons)		
Sulfur Dioxide	4	48
Nitrogen Oxide	15	41
Carbon Dioxide.....	4,367	46
Sulfur Dioxide (lbs/MWh)	1.1	42
Nitrogen Oxide (lbs/MWh)	4.8	2
Carbon Dioxide (lbs/MWh).....	1,421	24
Total Retail Sales (megawatthours)	6,324,855	50
Full Service Provider Sales (megawatthours)	6,324,855	48
Direct Use (megawatthours)	328,826	42
Average Retail Price (cents/kWh).....	14.73	6

There is no NERC Region for Alaska. This is shown as "--" in the table.

MWh = Megawatthours.

kWh = Kilowatthours.

-- = Not applicable.

Sources: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 2. Ten Largest Plants by Generating Capacity, 2008

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. North Pole.....	Petroleum	Golden Valley Elec Assn Inc	137
4. Bradley Lake.....	Hydroelectric	Homer Electric Assn Inc	126
5. Anchorage 1.....	Gas	Anchorage Municipal Light and Power	91
6. Snettisham	Hydroelectric	Alaska Electric Light&Power Co	78
7. Bernice Lake.....	Gas	Chugach Electric Assn Inc	62
8. Lemon Creek	Petroleum	Alaska Electric Light&Power Co	58
9. Eklutna Hydro Project	Hydroelectric	Anchorage Municipal Light and Power	44
10. International.....	Gas	Chugach Electric Assn Inc	42

MW = Megawatt.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2008
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
Alaska						
1. Golden Valley Elec Assn Inc	Cooperative	1,334,723	310,579	141,461	882,683	-
2. Chugach Electric Assn Inc	Cooperative	1,205,832	560,757	609,268	35,807	-
3. Anchorage Municipal Light and Power	Public	1,118,752	147,725	971,027	-	-
4. Matanuska Electric Assn Inc	Cooperative	700,924	442,498	258,426	-	-
5. Homer Electric Assn Inc	Cooperative	522,027	180,989	181,209	159,829	-
Total Sales, Top Five Providers		4,882,258	1,642,548	2,161,391	1,078,319	-
Percent of Total State Sales		77	77	76	80	-

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatts)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Alaska										
Electric Utilities.....	1,721	1,740	1,753	1,722	1,769	1,736	1,820	1,847	85.2	92.6
Coal.....	25	25	25	25	52	25	25	25	1.2	1.3
Petroleum.....	585	522	529	517	526	527	581	601	29.0	30.1
Natural Gas.....	752	796	803	785	785	785	814	818	37.2	41.0
Hydroelectric	359	396	396	395	397	397	397	400	17.8	20.0
Other Renewables.....	*	-	1	1	10	3	3	3	*	0.1
Independent Power Producers and Combined Heat and Power	300	267	142	129	121	148	142	148	14.8	7.4
Coal.....	83	60	60	60	53	80	80	87	4.1	4.4
Petroleum.....	79	55	50	48	48	48	41	41	3.9	2.1
Natural Gas	138	152	32	20	20	20	20	20	6.8	1.0
Total Electric Industry.....	2,021	2,006	1,895	1,851	1,890	1,884	1,961	1,995	100.0	100.0
Coal.....	108	85	85	85	105	105	105	112	5.4	5.6
Petroleum.....	664	577	579	565	574	575	622	643	32.9	32.2
Natural Gas	889	948	835	805	805	805	834	838	44.0	42.0
Hydroelectric	359	396	396	395	397	397	397	400	17.8	20.0
Other Renewables.....	*	-	1	1	10	3	3	3	*	0.1

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatthours)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Alaska										
Electric Utilities.....	4,590,270	5,471,990	5,673,462	5,866,420	5,946,148	6,068,520	6,146,078	6,262,148	78.8	92.4
Coal.....	171,053	204,490	167,555	211,075	219,320	209,952	213,648	220,360	2.9	3.3
Petroleum.....	756,914	875,153	775,374	681,848	685,559	694,252	852,882	927,681	13.0	13.7
Natural Gas.....	2,548,971	2,952,996	3,147,997	3,475,477	3,576,738	3,939,921	3,788,325	3,942,237	43.7	58.2
Hydroelectric.....	1,113,332	1,439,351	1,582,536	1,498,020	1,463,942	1,223,607	1,291,223	1,171,801	19.1	17.3
Other Renewables.....	-	-	-	-	589	788	-	68	-	*
Independent Power Producers and Combined Heat and Power.....	1,238,575	1,295,336	665,270	660,297	630,511	605,677	675,313	512,687	21.2	7.6
Coal.....	353,560	370,798	382,109	437,905	404,998	407,467	427,762	397,537	6.1	5.9
Petroleum.....	79,553	87,217	70,900	65,220	73,370	73,736	157,108	50,233	1.4	0.7
Natural Gas.....	803,924	825,166	206,485	147,956	146,888	117,809	79,214	60,235	13.8	0.9
Other Renewables.....	1,538	12,155	5,777	9,217	5,256	6,665	11,230	4,682	*	0.1
Total Electric Industry.....	5,828,845	6,767,326	6,338,732	6,526,717	6,576,659	6,674,197	6,821,392	6,774,834	100.0	100.0
Coal.....	524,613	575,288	549,664	648,980	624,318	617,419	641,409	617,897	9.0	9.1
Petroleum.....	836,467	962,370	846,274	747,068	758,929	767,988	1,009,990	977,915	14.4	14.4
Natural Gas.....	3,352,895	3,778,162	3,354,482	3,623,433	3,723,626	4,057,730	3,867,539	4,002,472	57.5	59.1
Hydroelectric.....	1,113,332	1,439,351	1,582,536	1,498,020	1,463,942	1,223,607	1,291,223	1,171,801	19.1	17.3
Other Renewables.....	1,538	12,155	5,777	9,217	5,845	7,453	11,230	4,750	*	0.1

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1998 and 2002 Through 2008

Fuel, Quality	1998	2002	2003	2004	2005	2006	2007	2008
Alaska								
Coal (cents per million Btu)	-	-	-	-	-	-	-	W
Average heat value (Btu per pound).....	-	-	-	-	-	-	-	8,698
Average sulfur Content (percent)	-	-	-	-	-	-	-	0.33
Petroleum (cents per million Btu) ¹	-	-	-	-	1,026	1,542	-	W
Average heat value (Btu per gallon).....	-	-	-	-	138,800	138,993	-	128,050
Average sulfur Content (percent)	-	-	-	-	0.19	0.25	-	0.19
Natural Gas (cents per million Btu).....	180	W	229	279	342	365	358	W
Average heat value (Btu per cubic foot).....	1,000	1,001	1,000	1,000	1,000	1,000	1,000	1,007

¹ Petroleum includes petroleum liquids and petroleum coke.

Btu = British thermal unit.

W = Withheld to avoid disclosure of individual company data.

- (dash) = Data not available.

Note: Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. There may be a notable increase in fuel receipts beginning with 2008. For more information, please see the Technical Notes in the Electric Power Annual.

Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report." Federal Energy Regulatory Commission, FERC Form 423, "Monthly Cost and Quality of Fuels for Electric Plants." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 7. Electric Power Industry Emissions Estimates, 1998 and 2002 Through 2008 (Thousand Metric Tons)

Emission Type	1998	2002	2003	2004	2005	2006	2007	2008
Alaska								
Sulfur Dioxide								
Coal.....	13	4	2	2	2	2	2	2
Petroleum.....	4	3	3	2	2	2	2	1
Natural Gas.....	*	*	*	*	*	*	*	*
Other Renewables.....	*	-	-	-	-	-	*	*
Total.....	17	7	4	4	4	4	4	4
Nitrogen Oxide								
Coal.....	3	4	2	2	3	3	3	3
Petroleum.....	6	8	7	7	7	8	8	5
Natural Gas.....	9	6	6	15	7	7	6	6
Other Renewables.....	*	*	*	*	*	*	*	*
Total.....	18	19	16	25	17	18	17	15
Carbon Dioxide								
Coal.....	1,455 ^R	1,262 ^R	1,234 ^R	1,309 ^R	1,282 ^R	1,290 ^R	1,303 ^R	1,341
Petroleum.....	706 ^R	827 ^R	724 ^R	656 ^R	643 ^R	655 ^R	777 ^R	671
Natural Gas.....	2,135 ^R	2,356 ^R	2,019 ^R	2,803 ^R	2,430 ^R	2,673 ^R	2,254 ^R	2,354
Total.....	4,297 ^R	4,445 ^R	3,977 ^R	4,768 ^R	4,355 ^R	4,618 ^R	4,334 ^R	4,367

R = Revised.

* = 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 *).

- (dash) = Data not available.

Source: Calculations made by the Electric Power Division, U. S. Energy Information Administration.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1998 and 2002 Through 2008

Sector	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Alaska										
Retail Sales (thousand megawatthours)										
Residential	1,768	1,932	1,987	2,062	2,062	2,120	2,114	2,129	34.7	33.7
Commercial	2,307	2,238	2,473	2,601	2,695	2,819	2,828	2,851	45.3	45.1
Industrial	818	1,088	1,104	1,126	1,156	1,243	1,384	1,344	16.1	21.3
Other	202	207	NA	NA	NA	NA	NA	NA	4.0	--
All Sectors	5,095	5,465	5,564	5,788	5,913	6,182	6,327	6,325	100.0	100.0
Retail Revenue (million dollars)										
Residential	203	233	238	256	274	314	321	352	40.0	37.8
Commercial	219	227	259	286	311	336	345	389	43.0	41.7
Industrial	59	83	87	94	107	143	175	191	11.5	20.5
Other	28	29	NA	NA	NA	NA	NA	NA	5.4	--
All Sectors	508	572	584	636	693	794	840	932	100.0	100.0
Average Retail Prices (cents/kWh)										
Residential	11.50	12.05	11.98	12.44	13.30	14.83	15.18	16.55	--	--
Commercial	9.48	10.13	10.49	10.99	11.56	11.93	12.19	13.64	--	--
Industrial	7.17	7.65	7.86	8.33	9.29	11.54	12.63	14.17	--	--
Other	13.68	14.04	NA	NA	NA	NA	NA	NA	--	--
All Sectors	9.97	10.46	10.50	10.99	11.72	12.84	13.28	14.73	--	--

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 9. Retail Electricity Sales Statistics, 2008

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Alaska								
Number of Entities	18	34	NA	18	NA	1	NA	71
Number of Retail Customers	27,849	58,963	NA	230,138	NA	70	NA	317,020
Retail Sales (thousand megawatthours)	433	1,673	NA	4,178	NA	41	NA	6,325
Percentage of Retail Sales	6.84	26.45	--	66.06	--	0.65	--	100.00
Revenue from Retail Sales (million dollars)	89	186	NA	651	NA	6	NA	932
Percentage of Revenue	9.56	19.95	--	69.83	--	0.66	--	100.00
Average Retail Price (cents/kWh)	20.60	11.11	NA	15.57	NA	14.92	NA	14.73

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Totals may not equal sum of components because of independent rounding. 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.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 10. Supply and Disposition of Electricity, 1998 and 2002 Through 2008
(Million Kilowatthours)

Category	1998	2002	2003	2004	2005	2006	2007	2008
Alaska								
Supply								
Generation								
Electric Utilities	4,590	5,472	5,673	5,866	5,946	6,069	6,146	6,262
Independent Power Producers	-	-	-	-	-	-	80	-
Combined Heat and Power, Electric	211	244	162	182	174	187	210	177
Electric Power Sector Generation Subtotal	4,802	5,716	5,836	6,049	6,120	6,256	6,436	6,439
Combined Heat and Power, Commercial	151	156	230	269	245	231	238	225
Combined Heat and Power, Industrial.....	876	895	273	209	211	188	147	110
Industrial and Commercial Generation Subtotal	1,027	1,052	503	478	457	418	385	336
Total Net Generation	5,829	6,767	6,339	6,527	6,577	6,674	6,821	6,775
Total International Imports	1	1	1	1	1	1	1	1
Total Supply	5,830	6,768	6,340	6,528	6,578	6,675	6,823	6,776
Disposition								
Retail Sales								
Full Service Providers	5,095	5,465	5,564	5,788	5,913	6,182	6,327	6,325
Total Electric Industry Retail Sales	5,095	5,465	5,564	5,788	5,913	6,182	6,327	6,325
Direct Use	1,104	1,064	1,078	1,079	330	289	267	329
Estimated Losses	345	338	325	361	483^R	504	455	453
Total Disposition	6,544	6,868	6,967	7,228	6,725	6,976	7,049	7,106
Net Interstate Trade ¹	-714	-100	-627	-700	-147	-300	-226	-330
Net Trade Index (ratio) ²	0.89	0.99	0.91	0.90	0.98	0.96	0.97	0.95

¹ Net Interstate Trade is the difference between Total Supply and Total Disposition.

² Net Trade Index is the ratio of Total Supply to Total Disposition.

R = Revised.

- (dash) = Data not available.

Notes: Totals may not equal sum of components because of independent rounding. 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. 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.

Sources: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms. U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry 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.

Table 1. 2008 Summary Statistics

Item	Value	U.S. Rank
Arizona		
NERC Region(s).....		WECC
Primary Energy Source.....		Coal
Net Summer Capacity (megawatts)	25,861	15
Electric Utilities.....	19,717	13
Independent Power Producers & Combined Heat and Power.....	6,144	16
Net Generation (megawatthours).....	119,459,172	12
Electric Utilities.....	94,452,931	10
Independent Power Producers & Combined Heat and Power.....	25,006,241	12
Emissions (thousand metric tons)		
Sulfur Dioxide	44	32
Nitrogen Oxide	73	17
Carbon Dioxide.....	58,423	16
Sulfur Dioxide (lbs/MWh)	0.8	44
Nitrogen Oxide (lbs/MWh)	1.4	36
Carbon Dioxide (lbs/MWh).....	1,078	39
Total Retail Sales (megawatthours)	76,267,916	21
Full Service Provider Sales (megawatthours)	76,267,916	20
Direct Use (megawatthours)	504,516	38
Average Retail Price (cents/kWh).....	9.11	21

MWh = Megawatthours.

kWh = Kilowatthours.

Sources: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 2. Ten Largest Plants by Generating Capacity, 2008

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
Arizona			
1. Palo Verde	Nuclear	Arizona Public Service Co	3,942
2. Navajo.....	Coal	Salt River Project	2,250
3. Gila River Power Station	Gas	Gila River Power Station 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

MW = Megawatt.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2008
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
1. Arizona Public Service Co	Investor-Owned	28,793,588	13,368,015	13,003,518	2,422,055	-
2. Salt River Project.....	Public	27,398,902	12,775,125	11,245,006	3,378,771	-
3. Tucson Electric Power Co.....	Investor-Owned	9,502,645	3,852,707	2,290,270	3,359,668	-
4. Morenci Water and Electric Co.....	Investor-Owned	2,013,234	13,722	15,303	1,984,209	-
5. UNS Electric, Inc.....	Investor-Owned	1,663,318	822,497	621,818	219,003	-
Total Sales, Top Five Providers		69,371,687	30,832,066	27,175,915	11,363,706	-
Percent of Total State Sales		91	93	90	88	-

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatts)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Arizona										
Electric Utilities.....	15,084	15,699	16,193	16,141	18,860	19,566	19,551	19,717	98.9	76.2
Coal.....	5,286	5,336	5,336	5,336	5,362	5,762	5,750	5,750	34.7	22.2
Petroleum.....	248	263	191	108	108	86	89	89	1.6	0.3
Natural Gas.....	2,924	3,444	3,908	3,955	6,566	6,897	6,891	6,987	19.2	27.0
Nuclear.....	3,733	3,733	3,825	3,804	3,875	3,872	3,872	3,942	24.5	15.2
Hydroelectric.....	2,708	2,703	2,706	2,710	2,720	2,720	2,720	2,720	17.8	10.5
Other Renewables.....	*	5	11	12	13	13	13	13	*	0.1
Pumped Storage.....	185	216	216	216	216	216	216	216	1.2	0.8
Independent Power Producers and Combined Heat and Power	170	3,743	7,316	8,162	6,044	6,041	6,028	6,144	1.1	23.8
Coal.....	65	68	68	68	68	68	68	68	0.4	0.3
Petroleum.....	8	4	4	4	4	4	4	4	0.1	*
Natural Gas.....	96	3,672	7,245	8,091	5,969	5,967	5,954	6,044	0.6	23.4
Other Renewables.....	-	-	-	-	3	3	3	29	-	0.1
Total Electric Industry.....	15,253	19,442	23,510	24,303	24,904	25,608	25,579	25,861	100.0	100.0
Coal.....	5,351	5,404	5,404	5,404	5,430	5,830	5,818	5,818	35.1	22.5
Petroleum.....	256	267	195	112	112	90	93	93	1.7	0.4
Natural Gas.....	3,020	7,115	11,152	12,046	12,535	12,864	12,845	13,031	19.8	50.4
Nuclear.....	3,733	3,733	3,825	3,804	3,875	3,872	3,872	3,942	24.5	15.2
Hydroelectric.....	2,708	2,703	2,706	2,710	2,720	2,720	2,720	2,720	17.8	10.5
Other Renewables.....	*	5	11	12	16	16	16	42	*	0.2
Pumped Storage.....	185	216	216	216	216	216	216	216	1.2	0.8

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatthours)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Arizona										
Electric Utilities.....	81,299,241	81,710,063	80,348,246	81,351,521	82,914,964	84,355,976	88,825,573	94,452,931	99.0	79.1
Coal.....	36,225,373	37,957,468	37,739,559	39,419,177	39,750,729	40,056,468	40,911,234	43,505,012	44.1	36.4
Petroleum.....	61,227	51,061	46,706	39,414	41,127	71,761	46,137	48,324	0.1	*
Natural Gas.....	3,472,416	5,238,416	6,580,927	6,812,355	10,739,962	13,232,997	14,325,573	14,234,893	4.2	11.9
Nuclear.....	30,301,045	30,861,911	28,581,053	28,112,609	25,807,446	24,012,231	26,782,391	29,250,496	36.9	24.5
Hydroelectric.....	10,970,189	7,427,180	7,074,984	6,973,147	6,410,064	6,792,904	6,597,671	7,285,902	13.4	6.1
Other Renewables.....	-	50,063	41,426	48,259	58,271	41,063	37,156	33,774	-	*
Pumped Storage.....	268,991	123,964	283,590	-53,440	107,365	148,552	125,411	94,530	0.3	0.1
Independent Power Producers and Combined Heat and Power.....	795,831	12,421,603	14,047,972	23,212,622	18,563,690	20,036,552	24,515,397	25,006,241	1.0	20.9
Coal.....	338,054	269,163	351,850	391,379	392,805	386,387	364,128	335,248	0.4	0.3
Petroleum.....	1,989	6,385	1,970	1,102	2,110	1,610	3,139	3,574	*	*
Natural Gas.....	455,788	12,054,599	12,351,714	21,452,588	18,153,051	19,636,050	24,143,648	24,587,536	0.6	20.6
Other Renewables.....	-	3,742	3,843	4	15,724	12,504	4,483	79,884	-	0.1
Other.....	-	87,714	1,338,595	1,367,550	-	-	-	-	-	-
Total Electric Industry.....	82,095,072	94,131,666	94,396,218	104,564,143	101,478,654	104,392,528	113,340,970	119,459,172	100.0	100.0
Coal.....	36,563,427	38,226,631	38,091,409	39,810,556	40,143,534	40,442,855	41,275,362	43,840,260	44.5	36.7
Petroleum.....	63,216	57,446	48,676	40,516	43,237	73,371	49,276	51,897	0.1	*
Natural Gas.....	3,928,204	17,293,015	18,932,641	28,264,943	28,893,013	32,869,047	38,469,221	38,822,429	4.8	32.5
Nuclear.....	30,301,045	30,861,911	28,581,053	28,112,609	25,807,446	24,012,231	26,782,391	29,250,496	36.9	24.5
Hydroelectric.....	10,970,189	7,427,180	7,074,984	6,973,147	6,410,064	6,792,904	6,597,671	7,285,902	13.4	6.1
Other Renewables.....	-	53,805	45,269	48,263	73,995	53,567	41,639	113,658	-	0.1
Pumped Storage.....	268,991	123,964	283,590	-53,440	107,365	148,552	125,411	94,530	0.3	0.1
Other.....	-	87,714	1,338,595	1,367,550	-	-	-	-	-	-

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1998 and 2002 Through 2008

Fuel, Quality	1998	2002	2003	2004	2005	2006	2007	2008
Arizona								
Coal (cents per million Btu)	133	W	W	W	W	W	W	W
Average heat value (Btu per pound).....	10,186	10,232	10,081	10,211	10,088	10,011	9,946	9,828
Average sulfur Content (percent)	0.55	0.60	0.64	0.57	0.57	0.57	0.57	0.59
Petroleum (cents per million Btu) ¹	429	W	W	W	1,403	1,625	1,671	W
Average heat value (Btu per gallon).....	138,850	139,567	139,550	133,595	140,912	139,114	140,914	138,424
Average sulfur Content (percent)	0.12	0.07	0.20	0.25	0.31	0.16	0.38	0.14
Natural Gas (cents per million Btu).....	239	320	506	572	804	636	670	837
Average heat value (Btu per cubic foot).....	1,014	1,021	1,021	1,021	1,025	1,018	1,022	1,028

¹ Petroleum includes petroleum liquids and petroleum coke.

Btu = British thermal unit.

W = Withheld to avoid disclosure of individual company data.

Note: Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. There may be a notable increase in fuel receipts beginning with 2008. For more information, please see the Technical Notes in the Electric Power Annual.

Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report." Federal Energy Regulatory Commission, FERC Form 423, "Monthly Cost and Quality of Fuels for Electric Plants." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 7. Electric Power Industry Emissions Estimates, 1998 and 2002 Through 2008 (Thousand Metric Tons)

Emission Type	1998	2002	2003	2004	2005	2006	2007	2008
Arizona								
Sulfur Dioxide								
Coal	96	64	63	55	48	45	51	44
Petroleum	*	*	*	*	*	*	*	*
Natural Gas	*	*	*	*	*	*	*	*
Other Renewables	-	-	-	-	-	*	-	*
Total	96	64	63	55	48	45	51	44
Nitrogen Oxide								
Coal	76	74	73	73	71	71	74	70
Petroleum	*	*	*	*	*	*	*	*
Natural Gas	6	9	10	4	4	4	4	3
Other Gases	-	-	-	-	*	*	*	-
Other Renewables	-	*	*	*	*	*	*	*
Total	82	83	83	78	75	75	79	73
Carbon Dioxide								
Coal	36,165 ^R	37,782 ^R	37,917 ^R	39,622 ^R	39,906 ^R	40,269 ^R	40,956 ^R	42,835
Petroleum	52 ^R	52 ^R	43	40	36 ^R	58	40	44
Natural Gas	2,320 ^R	7,897 ^R	9,123 ^R	13,057 ^R	11,874 ^R	13,496 ^R	15,269 ^R	15,545
Other	-	109 ^R	-	-	-	-	-	-
Total	38,537 ^R	45,840 ^R	47,083 ^R	52,719 ^R	51,816 ^R	53,824 ^R	56,265 ^R	58,423

R = Revised.

* = 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 *).

- (dash) = Data not available.

Source: Calculations made by the Electric Power Division, U. S. Energy Information Administration.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1998 and 2002 Through 2008

Sector	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Arizona										
Retail Sales (thousand megawatthours)										
Residential	21,611	26,413	27,742	28,921	30,544	32,367	34,437	33,236	38.7	43.6
Commercial	18,440	22,371	25,425	26,106	27,468	28,626	30,475	30,162	33.0	39.5
Industrial	12,549	11,026	10,914	11,906	11,379	12,259	12,281	12,869	22.5	16.9
Other	3,244	2,791	NA	NA	NA	NA	NA	NA	5.8	--
All Sectors	55,843	62,601	64,080	66,933	69,391	73,253	77,193	76,268	100.0	100.0
Retail Revenue (million dollars)										
Residential	1,875	2,185	2,316	2,447	2,707	3,042	3,328	3,412	45.8	49.1
Commercial	1,430	1,629	1,803	1,901	2,032	2,295	2,519	2,693	35.0	38.7
Industrial	643	573	587	637	665	698	743	846	15.7	12.2
Other	144	127	NA	NA	NA	NA	NA	NA	3.5	--
All Sectors	4,092	4,514	4,706	4,985	5,404	6,034	6,590	6,951	100.0	100.0
Average Retail Prices (cents/kWh)										
Residential	8.68	8.27	8.35	8.46	8.86	9.40	9.66	10.27	--	--
Commercial	7.76	7.28	7.09	7.28	7.40	8.02	8.27	8.93	--	--
Industrial	5.12	5.20	5.37	5.35	5.85	5.69	6.05	6.57	--	--
Other	4.43	4.56	NA	NA	NA	NA	NA	NA	--	--
All Sectors	7.33	7.21	7.34	7.45	7.79	8.24	8.54	9.11	--	--

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 9. Retail Electricity Sales Statistics, 2008

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	1,603,365	1,030,786	19,128	180,787	NA	NA	NA	2,834,066
Retail Sales (thousand megawatthours)	41,985	30,218	1,212	2,853	NA	NA	NA	76,268
Percentage of Retail Sales	55.05	39.62	1.59	3.74	--	--	--	100.00
Revenue from Retail Sales (million dollars)	4,024	2,554	60	313	NA	NA	NA	6,951
Percentage of Revenue	57.89	36.74	0.87	4.51	--	--	--	100.00
Average Retail Price (cents/kWh)	9.58	8.45	4.97	10.99	NA	NA	NA	9.11

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Totals may not equal sum of components because of independent rounding. 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.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 10. Supply and Disposition of Electricity, 1998 and 2002 Through 2008
(Million Kilowatthours)

Category	1998	2002	2003	2004	2005	2006	2007	2008
Arizona								
Supply								
Generation								
Electric Utilities	81,299	81,710	80,348	81,352	82,915	84,356	88,826	94,453
Independent Power Producers	-	10,954	11,851	20,891	16,390	17,617	22,209	24,217
Combined Heat and Power, Electric	410	1,153	1,823	1,874	1,689	1,959	1,853	370
Electric Power Sector Generation Subtotal	81,709	93,817	94,023	104,116	100,994	103,932	112,888	119,040
Combined Heat and Power, Commercial	20	18	17	51	72	72	71	70
Combined Heat and Power, Industrial.....	366	296	356	397	413	389	382	350
Industrial and Commercial Generation Subtotal	386	314	374	448	484	461	453	419
Total Net Generation	82,095	94,132	94,396	104,564	101,479	104,393	113,341	119,459
Total International Imports	4	83	55	171	103	128	223	88
Total Supply	82,099	94,214	94,451	104,735	101,582	104,520	113,564	119,547
Disposition								
Retail Sales								
Full Service Providers	55,843	62,601	64,080	66,933	69,391	73,253	77,193	76,268
Total Electric Industry Retail Sales	55,843	62,601	64,080	66,933	69,391	73,253	77,193	76,268
Direct Use	386	369	374	374	502	269	1,874	505
Total International Exports	-	69	71	94	179	310	221	351
Estimated Losses	3,782	4,399	3,668^R	4,569^R	5,366^R	5,411	6,031	5,549
Total Disposition	60,011	67,437	68,192^R	71,970^R	75,437^R	79,242	85,320	82,672
Net Interstate Trade ¹	22,088	26,777	26,259^R	32,765^R	26,144^R	25,278	28,244	36,875
Net Trade Index (ratio) ²	1.37	1.40	1.39	1.46	1.35	1.32	1.33	1.45

¹ Net Interstate Trade is the difference between Total Supply and Total Disposition.

² Net Trade Index is the ratio of Total Supply to Total Disposition.

R = Revised.

- (dash) = Data not available.

Notes: Totals may not equal sum of components because of independent rounding. 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. 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.

Sources: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms. U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry 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.

Table 1. 2008 Summary Statistics

Item	Value	U.S. Rank
Arkansas		
NERC Region(s).....		SERC/SPP
Primary Energy Source.....		Coal
Net Summer Capacity (megawatts)	15,266	26
Electric Utilities.....	11,459	22
Independent Power Producers & Combined Heat and Power.....	3,806	24
Net Generation (megawatthours).....	55,050,528	26
Electric Utilities.....	45,880,232	20
Independent Power Producers & Combined Heat and Power.....	9,170,296	31
Emissions (thousand metric tons)		
Sulfur Dioxide	78	27
Nitrogen Oxide	40	34
Carbon Dioxide.....	30,468	31
Sulfur Dioxide (lbs/MWh)	3.1	30
Nitrogen Oxide (lbs/MWh)	1.6	33
Carbon Dioxide (lbs/MWh).....	1,220	33
Total Retail Sales (megawatthours).....	46,134,681	30
Full Service Provider Sales (megawatthours)	46,134,681	28
Direct Use (megawatthours)	1,987,076	21
Average Retail Price (cents/kWh).....	7.60	37

MWh = Megawatthours.

kWh = Kilowatthours.

Sources: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 2. Ten Largest Plants by Generating Capacity, 2008

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	1,839
3. Independence.....	Coal	Entergy Arkansas Inc	1,678
4. White Bluff.....	Coal	Entergy Arkansas Inc	1,655
5. Robert E Ritchie	Petroleum	Entergy Arkansas Inc	860
6. Lake Catherine.....	Gas	Entergy Arkansas Inc	720
7. Dell Power Station.....	Gas	Associated Electric Coop, Inc	679
8. Hot Spring Power Project.....	Gas	Hot Spring Power Co LLC	642
9. KGen Hot Spring Generating Facility.....	Gas	DEGS of O&M, LLC	630
10. Harry L. Oswald	Gas	Arkansas Electric Coop Corp	548

MW = Megawatt.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2008
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
1. Entergy Arkansas Inc.....	Investor-Owned	21,037,735	7,678,067	6,148,044	7,211,468	156
2. Southwestern Electric Power Co.....	Investor-Owned	4,138,132	1,112,805	1,379,134	1,646,193	-
3. Mississippi County Electric Coop.....	Cooperative	3,106,552	62,408	22,621	3,021,523	-
4. Oklahoma Gas & Electric Co.....	Investor-Owned	2,739,411	728,934	876,174	1,134,303	-
5. First Electric Coop Corp.....	Cooperative	1,700,640	1,121,838	170,627	408,175	-
Total Sales, Top Five Providers.....		32,722,470	10,704,052	8,596,600	13,421,662	156
Percent of Total State Sales.....		71	62	73	79	38

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatts)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Arkansas										
Electric Utilities.....	9,618	9,551	9,777	9,772	10,434	10,669	11,467	11,459	96.1	75.1
Coal.....	3,817	3,757	3,745	3,745	3,793	3,846	3,846	3,861	38.1	25.3
Petroleum.....	308	25	25	25	23	23	22	22	3.1	0.1
Natural Gas.....	2,494	2,578	2,752	2,750	3,369	3,561	4,414	4,390	24.9	28.8
Nuclear.....	1,694	1,776	1,840	1,837	1,834	1,824	1,838	1,839	16.9	12.0
Hydroelectric.....	1,277	1,387	1,387	1,387	1,387	1,387	1,320	1,320	12.8	8.6
Pumped Storage.....	28	28	28	28	28	28	28	28	0.3	0.2
Independent Power Producers and Combined Heat and Power.....	395	1,750	3,772	3,766	3,625	3,838	3,828	3,806	3.9	24.9
Petroleum.....	3	-	-	-	-	-	-	-	*	-
Natural Gas.....	137	1,448	3,468	3,468	3,327	3,535	3,525	3,484	1.4	22.8
Hydroelectric.....	1	1	1	1	1	1	1	1	*	*
Other Renewables.....	254	301	303	297	297	302	302	322	2.5	2.1
Total Electric Industry.....	10,013	11,300	13,549	13,538	14,059	14,507	15,296	15,266	100.0	100.0
Coal.....	3,817	3,757	3,745	3,745	3,793	3,846	3,846	3,861	38.1	25.3
Petroleum.....	311	25	25	25	23	23	22	22	3.1	0.1
Natural Gas.....	2,631	4,026	6,220	6,218	6,696	7,096	7,939	7,873	26.3	51.6
Nuclear.....	1,694	1,776	1,840	1,837	1,834	1,824	1,838	1,839	16.9	12.0
Hydroelectric.....	1,278	1,388	1,388	1,388	1,388	1,389	1,321	1,321	12.8	8.7
Other Renewables.....	254	301	303	297	297	302	302	322	2.5	2.1
Pumped Storage.....	28	28	28	28	28	28	28	28	0.3	0.2

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatthours)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Arkansas										
Electric Utilities.....	43,198,908	42,873,364	41,636,514	45,055,455	40,545,220	42,068,467	45,522,928	45,880,232	94.6	83.3
Coal.....	23,140,020	22,986,650	23,422,401	25,248,810	22,940,659	24,095,405	25,642,175	25,993,257	50.7	47.2
Petroleum.....	143,834	136,134	263,982	476,133	162,961	135,291	76,212	57,158	0.3	0.1
Natural Gas.....	3,704,159	1,755,867	597,283	208,148	645,578	1,039,917	1,052,632	955,954	8.1	1.7
Nuclear.....	13,097,252	14,558,884	14,689,416	15,449,851	13,689,571	15,232,577	15,486,102	14,168,091	28.7	25.7
Hydroelectric.....	3,113,643	3,435,829	2,653,347	3,647,768	3,085,749	1,550,558	3,236,203	4,658,215	6.8	8.5
Pumped Storage.....	-	-	10,085	24,745	20,702	14,719	29,604	47,557	-	0.1
Independent Power Producers and Combined Heat and Power.....	2,466,393	4,738,281	8,764,588	6,872,177	7,249,289	10,100,236	9,073,308	9,170,296	5.4	16.7
Coal.....	40,184	111,720	81,765	104,753	96,485	87,645	102,005	121,397	0.1	0.2
Petroleum.....	21,515	23,572	24,924	62,808	45,140	25,452	17,941	6,467	*	*
Natural Gas.....	802,920	2,847,091	6,703,577	4,860,616	5,360,082	8,242,469	7,311,619	7,505,120	1.8	13.6
Other Gases.....	185	-	-	-	-	-	-	-	*	-
Hydroelectric.....	3,100	-	1,271	-4,329	-3,233	-	550	2,082	*	*
Other Renewables.....	1,598,489	1,585,266	1,843,889	1,810,380	1,735,523	1,722,805	1,623,744	1,512,833	3.5	2.7
Other.....	-	170,631	109,161	37,950	15,293	21,865	17,449	22,397	-	*
Total Electric Industry.....	45,665,301	47,611,645	50,401,102	51,927,632	47,794,509	52,168,703	54,596,236	55,050,528	100.0	100.0
Coal.....	23,180,204	23,098,370	23,504,166	25,353,563	23,037,144	24,183,050	25,744,180	26,114,654	50.8	47.4
Petroleum.....	165,349	159,706	288,906	538,941	208,101	160,743	94,153	63,625	0.4	0.1
Natural Gas.....	4,507,079	4,602,958	7,300,860	5,068,764	6,005,660	9,282,386	8,364,251	8,461,073	9.9	15.4
Other Gases.....	185	-	-	-	-	-	-	-	*	-
Nuclear.....	13,097,252	14,558,884	14,689,416	15,449,851	13,689,571	15,232,577	15,486,102	14,168,091	28.7	25.7
Hydroelectric.....	3,116,743	3,435,829	2,654,618	3,643,439	3,082,516	1,550,558	3,236,753	4,660,297	6.8	8.5
Other Renewables.....	1,598,489	1,585,266	1,843,889	1,810,380	1,735,523	1,722,805	1,623,744	1,512,833	3.5	2.7
Pumped Storage.....	-	-	10,085	24,745	20,702	14,719	29,604	47,557	-	0.1
Other.....	-	170,631	109,161	37,950	15,293	21,865	17,449	22,397	-	*

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1998 and 2002 Through 2008

Fuel, Quality	1998	2002	2003	2004	2005	2006	2007	2008
Arkansas								
Coal (cents per million Btu)	147	84	120	123	146	147	160	W
Average heat value (Btu per pound).....	8,671	8,685	8,758	8,761	8,745	8,778	8,717	8,711
Average sulfur Content (percent)	0.29	0.28	0.28	0.28	0.27	0.29	0.26	0.28
Petroleum (cents per million Btu) ¹	371	550	646	726	1,001	1,356	1,479	W
Average heat value (Btu per gallon).....	141,226	140,726	140,479	140,321	140,450	141,386	140,424	140,843
Average sulfur Content (percent)	0.44	0.44	0.41	0.46	0.49	0.51	0.46	1.03
Natural Gas (cents per million Btu).....	224	351	423	602	834	621	686	890
Average heat value (Btu per cubic foot).....	1,023	1,020	1,033	1,029	1,031	1,027	1,026	1,032

¹ Petroleum includes petroleum liquids and petroleum coke.

Btu = British thermal unit.

W = Withheld to avoid disclosure of individual company data.

Note: Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. There may be a notable increase in fuel receipts beginning with 2008. For more information, please see the Technical Notes in the Electric Power Annual.

Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report." Federal Energy Regulatory Commission, FERC Form 423, "Monthly Cost and Quality of Fuels for Electric Plants." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 7. Electric Power Industry Emissions Estimates, 1998 and 2002 Through 2008
(Thousand Metric Tons)

Emission Type	1998	2002	2003	2004	2005	2006	2007	2008
Arkansas								
Sulfur Dioxide								
Coal	70	64	65	71	60	66	65	66
Petroleum	1	1	2	3	1	1	1	*
Natural Gas	*	*	*	*	*	*	*	*
Other Renewables	13	12	13	13	36	15	16	11
Other	*	-	-	-	1	*	*	1
Total	84	77	79	87	97	82	82	78
Nitrogen Oxide								
Coal	38	37	37	37	32	31	34	34
Petroleum	1	*	*	1	*	*	*	*
Natural Gas	9	4	6	2	2	2	2	2
Other Renewables	5	4	5	5	10	5	6	5
Other	*	-	-	-	*	*	*	*
Total	54	45	49	44	44	38	41	40
Carbon Dioxide								
Coal	24,045 ^R	24,133 ^R	23,802 ^R	25,436 ^R	23,248 ^R	24,233 ^R	26,011 ^R	26,360
Petroleum	196 ^R	209 ^R	265 ^R	560 ^R	277 ^R	214 ^R	128 ^R	68
Natural Gas	3,897 ^R	2,858 ^R	3,433 ^R	2,666 ^R	3,042 ^R	4,239 ^R	3,929 ^R	3,972
Other	10	-	-	2	45 ^R	75 ^R	66 ^R	68
Total	28,149 ^R	27,201 ^R	27,500 ^R	28,665 ^R	26,611 ^R	28,761 ^R	30,134 ^R	30,468

R = Revised.

* = 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 *).

- (dash) = Data not available.

Source: Calculations made by the Electric Power Division, U. S. Energy Information Administration.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1998 and 2002 Through 2008

Sector	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Arkansas										
Retail Sales (thousand megawatthours)										
Residential	14,339	15,527	15,598	15,619	17,134	17,065	17,415	17,392	36.5	37.7
Commercial	8,205	9,304	10,568	10,731	11,366	11,581	11,801	11,703	20.9	25.4
Industrial	16,066	16,887	16,942	17,322	17,665	17,990	17,839	17,038	40.9	36.9
Other	705	731	NA	NA	NA	NA	NA	NA	1.8	--
Transportation.....	NA	NA	NA	NA	NA	NA	NA	*	--	*
All Sectors	39,315	42,450	43,108	43,672	46,165	46,636	47,055	46,135	100.0	100.0
Retail Revenue (million dollars).....										
Residential	1,076	1,126	1,130	1,150	1,371	1,511	1,521	1,613	47.4	46.0
Commercial	484	528	585	605	703	806	816	890	21.3	25.4
Industrial	669	678	685	720	837	943	936	1,004	29.4	28.6
Other	42	48	NA	NA	NA	NA	NA	NA	1.9	--
Transportation.....	NA	NA	NA	NA	NA	NA	NA	*	--	*
All Sectors	2,272	2,380	2,399	2,475	2,910	3,260	3,273	3,507	100.0	100.0
Average Retail Prices (cents/kWh)										
Residential	7.51	7.25	7.24	7.36	8.00	8.85	8.73	9.27	--	--
Commercial	5.90	5.68	5.54	5.64	6.18	6.96	6.91	7.61	--	--
Industrial	4.16	4.01	4.04	4.16	4.74	5.24	5.25	5.89	--	--
Other	5.98	6.52	NA	NA	NA	NA	NA	NA	--	--
Transportation.....	NA	NA	NA	NA	NA	NA	NA	11.79	--	--
All Sectors	5.78	5.61	5.57	5.67	6.30	6.99	6.96	7.60	--	--

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

* = 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 *).

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 9. Retail Electricity Sales Statistics, 2008

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Arkansas								
Number of Entities.....	4	15	NA	17	1	NA	NA	37
Number of Retail Customers	870,422	178,209	NA	467,923	1	NA	NA	1,516,555
Retail Sales (thousand megawatthours).....	28,065	5,940	NA	12,111	19	NA	NA	46,135
Percentage of Retail Sales	60.83	12.87	--	26.25	0.04	--	--	100.00
Revenue from Retail Sales (million dollars)	2,148	417	NA	941	*	NA	NA	3,507
Percentage of Revenue	61.26	11.89	--	26.83	0.01	--	--	100.00
Average Retail Price (cents/kWh).....	7.66	7.02	NA	7.77	2.00	NA	NA	7.60

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

* = 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 *).

Notes: Totals may not equal sum of components because of independent rounding. 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.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 10. Supply and Disposition of Electricity, 1998 and 2002 Through 2008
(Million Kilowatthours)

Category	1998	2002	2003	2004	2005	2006	2007	2008
Arkansas								
Supply								
Generation								
Electric Utilities	43,199	42,873	41,637	45,055	40,545	42,068	45,523	45,880
Independent Power Producers	3	1,247	5,030	3,204	3,997	6,966	6,311	5,940
Combined Heat and Power, Electric	-	1,304	1,550	1,436	1,215	1,151	847	1,286
Electric Power Sector Generation Subtotal	43,202	45,425	48,216	49,695	45,757	50,186	52,681	53,106
Combined Heat and Power, Commercial	41	8	7	4	4	4	2	3
Combined Heat and Power, Industrial.....	2,422	2,179	2,177	2,228	2,033	1,979	1,913	1,941
Industrial and Commercial Generation Subtotal	2,463	2,187	2,185	2,232	2,037	1,983	1,915	1,945
Total Net Generation	45,665	47,612	50,401	51,928	47,795	52,169	54,596	55,051
Total Supply	45,665	47,612	50,401	51,928	47,795	52,169	54,596	55,051
Disposition								
Retail Sales								
Full Service Providers	39,315	42,450	42,841	43,417	46,055	46,636	47,055	46,115
Facility Direct Retail Sales ¹	-	-	267	256	110	-	-	19
Total Electric Industry Retail Sales	39,315	42,450	43,108	43,672	46,165	46,636	47,055	46,135
Direct Use	2,417	2,363	2,393	2,396	2,083	2,054	1,995	1,987
Estimated Losses	2,662	3,874	3,190^R	3,692^R	4,081^R	3,449	4,293	3,604
Total Disposition	44,394	48,687	48,692^R	49,760^R	52,329^R	52,139	53,343	51,726
Net Interstate Trade ²	1,271	-1,075	1,709^R	2,168^R	-4,534^R	30	1,254	3,324
Net Trade Index (ratio) ³	1.03	0.98	1.04	1.04	0.91	1.00	1.02	1.06

¹ Facility Direct Retail Sales are electricity sales from non utility power producers which reported electricity sales to a retail customer.

² Net Interstate Trade is the difference between Total Supply and Total Disposition.

³ Net Trade Index is the ratio of Total Supply to Total Disposition.

R = Revised.

- (dash) = Data not available.

Notes: Totals may not equal sum of components because of independent rounding. 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. 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.

Sources: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms. U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry 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.

Table 1. 2008 Summary Statistics

Item	Value	U.S. Rank
California		
NERC Region(s).....		WECC
Primary Energy Source.....		Gas
Net Summer Capacity (megawatts)	64,105	2
Electric Utilities.....	26,467	2
Independent Power Producers & Combined Heat and Power.....	37,638	4
Net Generation (megawatthours).....	207,984,263	4
Electric Utilities.....	83,346,844	15
Independent Power Producers & Combined Heat and Power.....	124,637,419	4
Emissions (thousand metric tons)		
Sulfur Dioxide	4	47
Nitrogen Oxide	82	13
Carbon Dioxide.....	62,544	14
Sulfur Dioxide (lbs/MWh)	*	49
Nitrogen Oxide (lbs/MWh)	0.9	43
Carbon Dioxide (lbs/MWh).....	663	46
Total Retail Sales (megawatthours)	268,155,219	2
Full Service Provider Sales (megawatthours)	249,493,537	2
Deregulated Sales (megawatthours)	18,661,682	5
Direct Use (megawatthours)	21,915,517	3
Average Retail Price (cents/kWh).....	12.48	12

MWh = Megawatthours.

kWh = Kilowatthours.

* = 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 *).

Sources: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 2. Ten Largest Plants by Generating Capacity, 2008

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
California			
1. Moss Landing Power Plant.....	Gas	Dynegy -Moss Landing LLC	2,529
2. Diablo Canyon	Nuclear	Pacific Gas & Electric Co	2,240
3. San Onofre.....	Nuclear	Southern California Edison Co	2,150
4. AES Alamos LLC	Gas	AES Alamos LLC	1,997
5. Castaic	Pumped Storage	Los Angeles City of	1,620
6. Haynes	Gas	Los Angeles City of	1,524
7. Ormond Beach.....	Gas	RRI Energy Ormond Bch LLC	1,516
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

MW = Megawatt.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2008
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
California						
1. Pacific Gas & Electric Co.....	Investor-Owned	82,078,073	31,415,373	37,700,494	12,962,206	-
2. Southern California Edison Co.....	Investor-Owned	80,956,173	30,643,314	41,643,256	8,605,991	63,612
3. Los Angeles City of.....	Public	24,838,982	7,815,829	14,584,092	2,281,886	157,175
4. San Diego Gas & Electric Co.....	Investor-Owned	17,409,780	7,698,468	7,261,407	2,350,785	99,120
5. Sacramento Municipal Util Dist.....	Public	10,916,750	4,700,947	701,258	5,482,669	31,876
Total Sales, Top Five Providers		216,199,758	82,273,931	101,890,507	31,683,537	351,783
Percent of Total State Sales		81	90	81	62	41

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatts)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
California										
Electric Utilities.....	30,663	24,609	23,223	23,867	25,248	26,346	26,334	26,467	58.5	41.3
Petroleum.....	737	296	297	297	297	245	226	222	1.4	0.3
Natural Gas.....	10,581	5,954	5,042	5,567	6,850	7,917	8,188	8,134	20.2	12.7
Nuclear.....	4,310	4,324	4,324	4,324	4,324	4,390	4,390	4,390	8.2	6.8
Hydroelectric.....	9,780	10,040	9,716	9,840	9,849	9,844	9,505	9,587	18.7	15.0
Other Renewables.....	1,525	265	156	150	240	261	337	321	2.9	0.5
Pumped Storage.....	3,730	3,730	3,688	3,688	3,688	3,688	3,688	3,813	7.1	5.9
Independent Power Producers and Combined Heat and Power	21,710	32,054	34,628	34,440	36,460	36,867	37,479	37,638	41.5	58.7
Coal.....	381	352	358	389	389	389	389	367	0.7	0.6
Petroleum.....	344	541	527	541	543	544	528	530	0.7	0.8
Natural Gas.....	16,401	25,758	28,248	27,871	29,850	30,084	30,368	30,501	31.3	47.6
Other Gases.....	203	226	225	235	191	171	262	197	0.4	0.3
Hydroelectric.....	476	323	232	238	239	239	536	535	0.9	0.8
Other Renewables.....	3,897	4,837	5,022	5,158	5,240	5,431	5,397	5,501	7.4	8.6
Other.....	9	17	17	8	8	8	-	7	*	*
Total Electric Industry.....	52,373	56,663	57,850	58,306	61,707	63,213	63,813	64,105	100.0	100.0
Coal.....	381	352	358	389	389	389	389	367	0.7	0.6
Petroleum.....	1,081	837	824	838	840	789	754	752	2.1	1.2
Natural Gas.....	26,982	31,712	33,290	33,438	36,700	38,001	38,556	38,635	51.5	60.3
Other Gases.....	203	226	225	235	191	171	262	197	0.4	0.3
Nuclear.....	4,310	4,324	4,324	4,324	4,324	4,390	4,390	4,390	8.2	6.8
Hydroelectric.....	10,256	10,364	9,947	10,078	10,088	10,083	10,041	10,122	19.6	15.8
Other Renewables.....	5,422	5,102	5,177	5,308	5,479	5,693	5,734	5,822	10.4	9.1
Pumped Storage.....	3,730	3,730	3,688	3,688	3,688	3,688	3,688	3,813	7.1	5.9
Other.....	9	17	17	8	8	8	-	7	*	*

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatthours)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
California										
Electric Utilities.....	114,926,213	74,588,271	81,728,209	75,177,122	89,348,213	100,338,454	87,348,589	83,346,844	60.6	40.1
Petroleum.....	121,385	43,933	50,996	51,482	57,974	58,991	65,296	58,187	0.1	*
Natural Gas.....	26,385,452	8,808,012	9,873,371	10,759,580	12,982,348	19,805,412	22,896,497	26,129,803	13.9	12.6
Other Gases.....	-	-	-	-	-	-	-	12,899	-	*
Nuclear.....	34,594,206	34,352,340	35,593,789	30,267,887	36,154,898	31,958,621	35,792,490	32,482,351	18.2	15.6
Hydroelectric.....	47,475,341	30,236,644	35,782,738	33,608,686	38,826,653	47,127,134	26,926,661	22,871,073	25.0	11.0
Other Renewables.....	5,141,028	1,333,863	1,339,627	1,306,318	1,206,547	1,292,159	1,357,866	1,471,268	2.7	0.7
Pumped Storage.....	1,208,801	-240,997	-912,313	-816,831	119,793	96,137	309,779	321,263	0.6	0.2
Other.....	-	54,476	-	-	-	-	-	-	-	-
Independent Power Producers and Combined Heat and Power.....	74,674,493	109,621,760	111,060,333	119,603,233	110,944,605	116,460,234	123,498,992	124,637,419	39.4	59.9
Coal.....	2,159,070	2,327,809	2,326,305	2,237,808	2,135,375	2,235,342	2,298,306	2,280,401	1.1	1.1
Petroleum.....	2,091,687	1,917,132	2,341,253	2,211,415	2,485,723	2,309,183	2,268,678	1,683,404	1.1	0.8
Natural Gas.....	48,746,540	80,816,032	81,558,809	89,462,653	80,371,501	85,885,704	92,803,974	93,861,934	25.7	45.1
Other Gases.....	3,076,556	1,240,053	1,759,015	2,065,965	2,279,584	2,022,446	1,818,106	1,671,965	1.6	0.8
Hydroelectric.....	2,072,859	903,984	587,965	532,244	805,214	920,246	401,090	1,256,736	1.1	0.6
Other Renewables.....	16,507,556	22,073,117	22,205,492	22,664,581	22,447,700	22,623,236	23,487,391	23,312,669	8.7	11.2
Other.....	20,225	343,632	281,495	428,567	419,508	464,077	421,447	570,311	*	0.3
Total Electric Industry.....	189,600,706	184,210,031	192,788,542	194,780,355	200,292,818	216,798,688	210,847,581	207,984,263	100.0	100.0
Coal.....	2,159,070	2,327,809	2,326,305	2,237,808	2,135,375	2,235,342	2,298,306	2,280,401	1.1	1.1
Petroleum.....	2,213,072	1,961,065	2,392,249	2,262,897	2,543,697	2,368,174	2,333,974	1,741,590	1.2	0.8
Natural Gas.....	75,131,992	89,624,044	91,432,180	100,222,233	93,353,849	105,691,116	115,700,470	119,991,737	39.6	57.7
Other Gases.....	3,076,556	1,240,053	1,759,015	2,065,965	2,279,584	2,022,446	1,818,106	1,684,863	1.6	0.8
Nuclear.....	34,594,206	34,352,340	35,593,789	30,267,887	36,154,898	31,958,621	35,792,490	32,482,351	18.2	15.6
Hydroelectric.....	49,548,200	31,140,628	36,370,703	34,140,929	39,631,867	48,047,380	27,327,751	24,127,810	26.1	11.6
Other Renewables.....	21,648,584	23,406,980	23,545,119	23,970,899	23,654,247	23,915,395	24,845,257	24,783,937	11.4	11.9
Pumped Storage.....	1,208,801	-240,997	-912,313	-816,831	119,793	96,137	309,779	321,263	0.6	0.2
Other.....	20,225	398,108	281,495	428,567	419,508	464,077	421,447	570,311	*	0.3

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1998 and 2002 Through 2008

Fuel, Quality	1998	2002	2003	2004	2005	2006	2007	2008
California								
Coal (cents per million Btu)	-	180	173	188	W	W	W	W
Average heat value (Btu per pound).....	-	11,854	11,943	12,205	12,027	12,184	11,868	11,667
Average sulfur Content (percent)	-	0.48	0.68	0.75	0.79	0.86	0.59	0.58
Petroleum (cents per million Btu) ¹	275	114	266	298	429	494	471	316
Average heat value (Btu per gallon).....	144,855	137,952	124,229	134,633	129,557	128,124	125,131	135,064
Average sulfur Content (percent)	-	1.87	0.94	1.19	0.93	0.99	0.97	2.45
Natural Gas (cents per million Btu).....	269	372	537	589	786	659	659	808
Average heat value (Btu per cubic foot).....	1,021	1,019	1,026	1,027	1,025	1,026	1,025	1,026

¹ Petroleum includes petroleum liquids and petroleum coke.

Btu = British thermal unit.

W = Withheld to avoid disclosure of individual company data.

- (dash) = Data not available.

Note: Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. There may be a notable increase in fuel receipts beginning with 2008. For more information, please see the Technical Notes in the Electric Power Annual.

Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report." Federal Energy Regulatory Commission, FERC Form 423, "Monthly Cost and Quality of Fuels for Electric Plants." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 7. Electric Power Industry Emissions Estimates, 1998 and 2002 Through 2008
(Thousand Metric Tons)

Emission Type	1998	2002	2003	2004	2005	2006	2007	2008
California								
Sulfur Dioxide								
Coal.....	26	2	3	2	3	3	3	1
Petroleum.....	96	66	13	18	21	21	18	1
Natural Gas.....	*	*	*	*	*	*	*	*
Other Gases.....	*	*	*	*	*	*	*	*
Other Renewables.....	2	2	2	2	1	2	2	1
Other.....	2	*	*	*	*	*	*	*
Total.....	127	70	17	22	26	27	23	4
Nitrogen Oxide								
Coal.....	9	3	3	3	3	3	3	3
Petroleum.....	17	9	6	4	5	5	4	3
Natural Gas.....	87	61	77	70	57	58	58	50
Other Gases.....	3	2	2	3	3	3	3	2
Other Renewables.....	18 ^R	14	17	17	18	21	20	25
Other.....	*	1	1	1	1	1	1	*
Total.....	134	90	106	98	86	91	89	82
Carbon Dioxide								
Coal.....	3,572 ^R	4,026 ^R	3,885 ^R	3,945 ^R	3,736 ^R	3,892 ^R	3,922 ^R	3,762
Petroleum.....	3,021 ^R	3,050 ^R	3,107 ^R	2,992 ^R	3,325 ^R	3,270 ^R	3,143 ^R	2,175
Natural Gas.....	45,784 ^R	51,277 ^R	48,608 ^R	52,539 ^R	47,270 ^R	51,879 ^R	55,382 ^R	55,912
Geothermal.....	319 ^R	336 ^R	334 ^R	337 ^R	335 ^R	329 ^R	334 ^R	331
Other Renewables.....	325 ^R	-	-	-	-	-	-	-
Other.....	153 ^R	1,324 ^R	369 ^R	352 ^R	328 ^R	356 ^R	353 ^R	363
Total.....	53,174 ^R	60,013 ^R	56,303 ^R	60,164 ^R	54,994 ^R	59,727 ^R	63,135 ^R	62,544

R = Revised.

* = 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 *).

- (dash) = Data not available.

Source: Calculations made by the Electric Power Division, U. S. Energy Information Administration.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1998 and 2002 Through 2008

Sector	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
California										
Retail Sales (thousand megawatthours)										
Residential	75,205	77,202	82,926	83,361	85,610	89,836	89,158	91,231	31.8	34.0
Commercial	92,517	102,587	109,578	118,953	117,551	121,255	123,690	125,026	39.1	46.6
Industrial	61,641	48,448	49,909	48,812	50,242	50,991	50,538	51,031	26.1	19.0
Other	7,071	6,976	NA	NA	NA	NA	NA	NA	3.0	--
Transportation.....	NA	NA	809	900	846	877	848	867	--	0.3
All Sectors	236,434	235,213	243,221	252,026	254,250	262,959	264,235	268,155	100.0	100.0
Retail Revenue (million dollars).....										
Residential	7,964	9,759	10,142	10,168	10,708	12,876	12,860	12,595	37.7	37.6
Commercial	8,782	13,710	13,672	13,846	14,007	15,636	15,854	15,677	41.6	46.8
Industrial	4,001	4,752	4,787	4,526	4,797	5,145	5,046	5,125	19.0	15.3
Other	358	460	NA	NA	NA	NA	NA	NA	1.7	--
Transportation.....	NA	NA	47	58	55	55	71	71	--	0.2
All Sectors	21,105	28,680	28,648	28,598	29,567	33,712	33,831	33,468	100.0	100.0
Average Retail Prices (cents/kWh)										
Residential	10.60	12.64	12.23	12.20	12.51	14.33	14.42	13.81	--	--
Commercial	9.66	13.36	12.48	11.64	11.92	12.90	12.82	12.54	--	--
Industrial	6.59	9.81	9.59	9.27	9.55	10.09	9.98	10.04	--	--
Other	5.06	6.60	NA	NA	NA	NA	NA	NA	--	--
Transportation.....	NA	NA	5.80	6.42	6.55	6.29	8.37	8.16	--	--
All Sectors	9.03	12.19	11.78	11.35	11.63	12.82	12.80	12.48	--	--

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 9. Retail Electricity Sales Statistics, 2008

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
California								
Number of Entities.....	6	37	1	4	16	11	3	78
Number of Retail Customers	11,584,079	3,188,399	68	16,369	67	37,810	NA	14,826,792
Retail Sales (thousand megawatthours).....	182,000	63,511	2,288	306	1,389	18,662	NA	268,155
Percentage of Retail Sales	67.87	23.68	0.85	0.11	0.52	6.96	--	100.00
Revenue from Retail Sales (million dollars)	23,844	6,996	78	36	112	1,641	760	33,468
Percentage of Revenue	71.24	20.90	0.23	0.11	0.34	4.90	2.27	100.00
Average Retail Price (cents/kWh).....	13.10	11.02	3.41	11.92	8.10	8.79	4.07	12.48

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Totals may not equal sum of components because of independent rounding. 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.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 10. Supply and Disposition of Electricity, 1998 and 2002 Through 2008
(Million Kilowatthours)

Category	1998	2002	2003	2004	2005	2006	2007	2008
California								
Supply								
Generation								
Electric Utilities	114,926	74,588	81,728	75,177	89,348	100,338	87,349	83,347
Independent Power Producers	31,929	63,545	65,429	75,928	68,721	76,509	82,491	85,067
Combined Heat and Power, Electric	23,267	26,976	25,458	24,567	23,459	21,399	22,342	21,535
Electric Power Sector Generation Subtotal	170,122	165,109	172,616	175,672	181,527	198,247	192,181	189,949
Combined Heat and Power, Commercial	2,038	1,958	2,071	1,918	2,151	2,118	2,131	2,100
Combined Heat and Power, Industrial.....	17,441	17,142	18,102	17,191	16,614	16,434	16,536	15,935
Industrial and Commercial Generation Subtotal	19,479	19,101	20,173	19,109	18,765	18,552	18,666	18,035
Total Net Generation	189,601	184,210	192,789	194,780	200,293	216,799	210,848	207,984
Total International Imports ¹	1,352	2,067	4,148	1,291	5,630	2,936	5,797	5,371
Total Supply	190,953	186,277	196,937	196,071	205,923	219,735	216,645	213,355
Disposition								
Retail Sales								
Full Service Providers	226,396	212,572	217,641	225,896	228,582	239,307	243,034	248,105
Energy-Only Providers.....	10,038	22,641	23,896	24,625	23,406	21,223	19,618	18,662
Facility Direct Retail Sales ²	-	-	1,684	1,505	2,262	2,428	1,583	1,389
Total Electric Industry Retail Sales	236,434	235,213	243,221	252,026	254,250	262,959	264,235	268,155
Direct Use	13,871	14,993	15,183	15,199	11,673	14,030	16,818	21,916
Total International Exports ¹	1,969	197	23	48	103	565	293	560
Estimated Losses	16,011	11,154	21,253^R	19,251^R	18,574^R	20,957	20,721	19,681
Total Disposition	268,285	261,557	279,680^R	286,525^R	284,599^R	298,510	302,067	310,311
Net Interstate Trade ³	-77,332	-75,281	-82,743^R	-90,453^R	-78,676^R	-78,775	-85,422	-96,957
Net Trade Index (ratio) ⁴	0.71	0.71	0.70	0.68	0.72	0.74	0.72	0.69

¹ 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.

² Facility Direct Retail Sales are electricity sales from non utility power producers which reported electricity sales to a retail customer.

³ Net Interstate Trade is the difference between Total Supply and Total Disposition.

⁴ Net Trade Index is the ratio of Total Supply to Total Disposition.

R = Revised.

- (dash) = Data not available.

Notes: Totals may not equal sum of components because of independent rounding. 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. 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.

Sources: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms. U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry 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.

Table 1. 2008 Summary Statistics

Item	Value	U.S. Rank
Colorado		
NERC Region(s).....		WECC
Primary Energy Source.....		Coal
Net Summer Capacity (megawatts)	12,545	32
Electric Utilities.....	8,142	29
Independent Power Producers & Combined Heat and Power.....	4,404	21
Net Generation (megawatthours).....	53,441,594	28
Electric Utilities.....	41,176,711	28
Independent Power Producers & Combined Heat and Power.....	12,264,883	27
Emissions (thousand metric tons)		
Sulfur Dioxide	55	30
Nitrogen Oxide	63	25
Carbon Dioxide.....	41,480	24
Sulfur Dioxide (lbs/MWh)	2.3	35
Nitrogen Oxide (lbs/MWh)	2.6	16
Carbon Dioxide (lbs/MWh).....	1,711	16
Total Retail Sales (megawatthours)	52,142,473	27
Full Service Provider Sales (megawatthours)	52,142,473	25
Direct Use (megawatthours)	910,649	32
Average Retail Price (cents/kWh).....	8.59	27

MWh = Megawatthours.

kWh = Kilowatthours.

Sources: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 2. Ten Largest Plants by Generating Capacity, 2008

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	695
4. Rawhide	Coal	Platte River Power Authority	666
5. Comanche	Coal	Public Service Co of Colorado	660
6. Rocky Mountain Energy Center.....	Gas	Rocky Mountain Energy Ctr LLC	608
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

MW = Megawatt.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2008
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
Colorado						
1. Public Service Co of Colorado	Investor-Owned	28,271,320	8,905,338	13,044,100	6,273,298	48,584
2. Colorado Springs City of	Public	4,575,984	1,409,389	2,024,137	1,142,458	-
3. Intermountain Rural Elec Assn	Cooperative	2,121,573	1,363,957	575,021	182,595	-
4. Fort Collins City of	Public	1,429,798	472,383	500,222	457,193	-
5. United Power, Inc	Cooperative	1,208,720	596,280	482,382	130,058	-
Total Sales, Top Five Providers		37,607,395	12,747,347	16,625,862	8,185,602	48,584
Percent of Total State Sales		72	72	81	59	100

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatts)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Colorado										
Electric Utilities.....	6,937	7,603	7,883	7,954	7,955	8,034	8,008	8,142	91.1	64.9
Coal.....	4,963	4,891	4,891	4,891	4,888	4,899	4,921	4,925	65.2	39.3
Petroleum.....	174	193	193	207	181	179	179	181	2.3	1.4
Natural Gas	624	1,333	1,612	1,662	1,684	1,752	1,704	1,832	8.2	14.6
Hydroelectric	614	600	601	601	610	609	610	610	8.1	4.9
Other Renewables.....	-	24	24	30	31	32	31	31	-	0.2
Pumped Storage.....	563	563	563	563	563	563	563	563	7.4	4.5
Independent Power Producers and Combined Heat and Power	677	1,833	2,487	3,131	3,131	3,123	4,280	4,404	8.9	35.1
Coal.....	33	40	40	40	40	40	40	40	0.4	0.3
Petroleum.....	3	2	2	2	2	2	2	2	*	*
Natural Gas	606	1,724	2,221	2,840	2,840	2,771	3,132	3,248	8.0	25.9
Hydroelectric	30	43	38	42	42	42	55	56	0.4	0.4
Other Renewables.....	5	23	185	207	207	267	1,050	1,057	0.1	8.4
Total Electric Industry.....	7,614	9,435	10,370	11,085	11,086	11,156	12,288	12,545	100.0	100.0
Coal.....	4,996	4,931	4,931	4,931	4,928	4,939	4,961	4,965	65.6	39.6
Petroleum.....	178	195	195	210	183	181	182	184	2.3	1.5
Natural Gas	1,229	3,057	3,833	4,502	4,523	4,523	4,836	5,080	16.1	40.5
Hydroelectric	644	643	639	643	652	652	665	666	8.5	5.3
Other Renewables.....	5	47	209	237	238	299	1,081	1,087	0.1	8.7
Pumped Storage.....	563	563	563	563	563	563	563	563	7.4	4.5

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatthours)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Colorado										
Electric Utilities.....	35,471,294	41,509,933	41,226,252	40,436,218	41,014,609	42,055,989	42,353,281	41,176,711	91.2	77.0
Coal.....	33,079,201	35,135,198	35,807,527	35,570,358	35,285,966	36,003,331	35,722,617	34,639,561	85.1	64.8
Petroleum.....	36,736	22,519	33,927	11,797	15,464	17,646	14,748	18,092	0.1	*
Natural Gas.....	963,657	5,321,770	4,369,743	3,899,293	4,490,864	4,494,604	5,097,690	4,820,248	2.5	9.0
Other Gases.....	-	2,884	4,001	1,753	2,430	2,519	1,911	-	-	-
Hydroelectric.....	1,346,170	1,187,839	1,156,217	1,076,897	1,283,074	1,676,432	1,625,544	1,877,868	3.5	3.5
Other Renewables.....	-	59,987	58,477	67,921	58,874	61,959	58,831	70,050	-	0.1
Pumped Storage.....	45,530	-220,264	-203,640	-191,801	-122,063	-200,502	-168,061	-249,108	0.1	-0.5
Independent Power Producers and Combined Heat and Power.....	3,410,269	4,090,455	5,390,534	7,433,274	8,602,085	8,642,364	11,554,211	12,264,883	8.8	23.0
Coal.....	278,648	253,053	308,096	278,032	284,169	266,094	213,122	187,984	0.7	0.4
Petroleum.....	12,454	661	67	2,071	1,582	3,191	13,702	1,021	*	*
Natural Gas.....	2,972,657	3,706,720	4,856,291	6,848,203	7,432,426	7,424,035	9,916,211	8,667,226	7.6	16.2
Hydroelectric.....	115,791	21,168	105,980	117,768	132,222	114,775	103,989	161,459	0.3	0.3
Other Renewables.....	30,719	108,853	120,102	187,200	751,687	834,269	1,265,998	3,214,401	0.1	6.0
Other.....	-	-	-	-	-	-	41,190	32,791	-	0.1
Total Electric Industry.....	38,881,563	45,600,388	46,616,786	47,869,492	49,616,694	50,698,353	53,907,492	53,441,594	100.0	100.0
Coal.....	33,357,849	35,388,251	36,115,623	35,848,390	35,570,135	36,269,425	35,935,739	34,827,545	85.8	65.2
Petroleum.....	49,190	23,180	33,994	13,868	17,046	20,837	28,450	19,113	0.1	*
Natural Gas.....	3,936,314	9,028,490	9,226,034	10,747,496	11,923,290	11,918,639	15,013,901	13,487,475	10.1	25.2
Other Gases.....	-	2,884	4,001	1,753	2,430	2,519	1,911	-	-	-
Hydroelectric.....	1,461,961	1,209,007	1,262,197	1,194,665	1,415,296	1,791,207	1,729,533	2,039,327	3.8	3.8
Other Renewables.....	30,719	168,840	178,579	255,121	810,561	896,228	1,324,829	3,284,451	0.1	6.1
Pumped Storage.....	45,530	-220,264	-203,640	-191,801	-122,063	-200,502	-168,061	-249,108	0.1	-0.5
Other.....	-	-	-	-	-	-	41,190	32,791	-	0.1

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1998 and 2002 Through 2008

Fuel, Quality	1998	2002	2003	2004	2005	2006	2007	2008
Colorado								
Coal (cents per million Btu)	99	95	97	97	106	128	126	W
Average heat value (Btu per pound).....	9,834	9,767	9,793	9,824	9,876	9,802	9,726	9,811
Average sulfur Content (percent)	0.38	0.40	0.39	0.38	0.39	0.39	0.40	0.38
Petroleum (cents per million Btu) ¹	-	705	W	1,129	1,768	W	W	W
Average heat value (Btu per gallon).....	-	127,436	123,940	126,438	117,200	140,414	141,864	128,767
Average sulfur Content (percent)	-	0.02	0.01	0.08	0.03	0.51	0.08	0.13
Natural Gas (cents per million Btu).....	300	246	430	554	724	607	424	678
Average heat value (Btu per cubic foot).....	994	1,025	1,027	1,021	1,024	1,025	1,026	1,036

¹ Petroleum includes petroleum liquids and petroleum coke.

Btu = British thermal unit.

W = Withheld to avoid disclosure of individual company data.

- (dash) = Data not available.

Note: Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. There may be a notable increase in fuel receipts beginning with 2008. For more information, please see the Technical Notes in the Electric Power Annual.

Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report." Federal Energy Regulatory Commission, FERC Form 423, "Monthly Cost and Quality of Fuels for Electric Plants." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 7. Electric Power Industry Emissions Estimates, 1998 and 2002 Through 2008
(Thousand Metric Tons)

Emission Type	1998	2002	2003	2004	2005	2006	2007	2008
Colorado								
Sulfur Dioxide								
Coal.....	91	83	70	59	58	59	59	55
Petroleum.....	*	*	*	*	*	*	*	*
Natural Gas.....	*	*	*	*	*	*	*	*
Total.....	91	83	70	59	58	59	59	55
Nitrogen Oxide								
Coal.....	72	66	66	61	63	60	60	57
Petroleum.....	1	*	*	*	*	*	*	*
Natural Gas.....	5	6	6	4	4	5	7	5
Other Gases.....	-	-	-	-	*	*	*	-
Other Renewables.....	1	*	*	1	*	*	*	*
Total.....	79	72	72	67	67	66	67	63
Carbon Dioxide								
Coal.....	33,815 ^R	36,660 ^R	36,362 ^R	36,053 ^R	35,830 ^R	36,792 ^R	36,465 ^R	35,536
Petroleum.....	69 ^R	26	32	16	21	35	30	22
Natural Gas.....	2,152 ^R	4,689 ^R	4,596 ^R	4,931 ^R	5,375 ^R	5,416 ^R	6,895 ^R	5,922
Total.....	36,036 ^R	41,375 ^R	40,990 ^R	40,999 ^R	41,226 ^R	42,243 ^R	43,389 ^R	41,480

R = Revised.

* = 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 *).

- (dash) = Data not available.

Source: Calculations made by the Electric Power Division, U. S. Energy Information Administration.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1998 and 2002 Through 2008

Sector	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Colorado										
Retail Sales (thousand megawatthours)										
Residential	12,652	15,425	15,725	15,532	16,436	16,952	17,634	17,720	32.0	34.0
Commercial	15,959	18,438	19,657	19,498	19,846	20,153	20,508	20,551	40.3	39.4
Industrial	9,998	10,672	11,076	11,675	12,052	12,605	13,113	13,822	25.3	26.5
Other	965	1,401	NA	NA	NA	NA	NA	NA	2.4	--
Transportation.....	NA	NA	37	19	19	25	44	49	--	0.1
All Sectors	39,574	45,937	46,495	46,724	48,353	49,734	51,299	52,142	100.0	100.0
Retail Revenue (million dollars).....										
Residential	942	1,137	1,280	1,307	1,490	1,529	1,632	1,794	40.0	40.1
Commercial	904	1,045	1,298	1,343	1,512	1,512	1,562	1,762	38.4	39.3
Industrial	433	483	565	596	691	741	783	919	18.4	20.5
Other	76	93	NA	NA	NA	NA	NA	NA	3.2	--
Transportation.....	NA	NA	3	1	1	2	3	4	--	0.1
All Sectors	2,357	2,758	3,146	3,247	3,694	3,785	3,980	4,480	100.0	100.0
Average Retail Prices (cents/kWh)										
Residential	7.45	7.37	8.14	8.42	9.06	9.02	9.25	10.13	--	--
Commercial	5.67	5.67	6.60	6.89	7.62	7.50	7.62	8.57	--	--
Industrial	4.34	4.52	5.10	5.11	5.74	5.88	5.97	6.65	--	--
Other	7.92	6.64	NA	NA	NA	NA	NA	NA	--	--
Transportation.....	NA	NA	7.32	5.81	5.01	7.78	7.18	8.32	--	--
All Sectors	5.95	6.00	6.77	6.95	7.64	7.61	7.76	8.59	--	--

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 9. Retail Electricity Sales Statistics, 2008

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Colorado								
Number of Entities.....	3	29	1	28	1	NA	NA	62
Number of Retail Customers	1,528,154	420,207	16	598,149	1	NA	NA	2,546,527
Retail Sales (thousand megawatthours).....	30,096	8,874	78	12,899	196	NA	NA	52,142
Percentage of Retail Sales	57.72	17.02	0.15	24.74	0.38	--	--	100.00
Revenue from Retail Sales (million dollars)	2,642	601	2	1,222	13	NA	NA	4,480
Percentage of Revenue	58.97	13.42	0.04	27.29	0.28	--	--	100.00
Average Retail Price (cents/kWh).....	8.78	6.77	2.44	9.48	6.41	NA	NA	8.59

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Totals may not equal sum of components because of independent rounding. 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.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 10. Supply and Disposition of Electricity, 1998 and 2002 Through 2008
(Million Kilowatthours)

Category	1998	2002	2003	2004	2005	2006	2007	2008
Colorado								
Supply								
Generation								
Electric Utilities	35,471	41,510	41,226	40,436	41,015	42,056	42,353	41,177
Independent Power Producers	308	961	2,877	5,596	6,834	7,004	9,680	10,629
Combined Heat and Power, Electric	2,850	2,866	2,314	1,685	1,643	1,533	1,782	1,545
Electric Power Sector Generation Subtotal	38,630	45,337	46,417	47,718	49,492	50,593	53,816	53,351
Combined Heat and Power, Commercial	161	143	119	93	54	28	28	39
Combined Heat and Power, Industrial.....	91	121	81	59	70	78	64	52
Industrial and Commercial Generation Subtotal	252	264	200	152	125	106	92	91
Total Net Generation	38,882	45,600	46,617	47,869	49,617	50,698	53,907	53,442
Total International Imports	1	7	2	37	6	1	1	2
Total Supply	38,883	45,607	46,619	47,907	49,623	50,700	53,909	53,443
Disposition								
Retail Sales								
Full Service Providers	39,574	45,937	46,133	46,397	48,025	49,426	51,050	51,947
Facility Direct Retail Sales ¹	-	-	362	327	328	307	249	196
Total Electric Industry Retail Sales	39,574	45,937	46,495	46,724	48,353	49,734	51,299	52,142
Direct Use	507	489	495	496	84	150	610	911
Total International Exports	-	-	-	-	*	-	2	3
Estimated Losses	2,680	4,965	5,407^R	3,851^R	4,394^R	4,345	2,639	3,991
Total Disposition	42,762	51,391	52,397^R	51,071^R	52,832^R	54,229	54,549	57,047
Net Interstate Trade ²	-3,879	-5,784	-5,778^R	-3,164^R	-3,209^R	-3,529	-641	-3,604
Net Trade Index (ratio) ³	0.91	0.89	0.89	0.94	0.94	0.93	0.99	0.94

¹ Facility Direct Retail Sales are electricity sales from non utility power producers which reported electricity sales to a retail customer.

² Net Interstate Trade is the difference between Total Supply and Total Disposition.

³ Net Trade Index is the ratio of Total Supply to Total Disposition.

R = Revised.

* = 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 *).

- (dash) = Data not available.

Notes: Totals may not equal sum of components because of independent rounding. 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. 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.

Sources: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms. U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry 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.

Table 1. 2008 Summary Statistics

Item	Value	U.S. Rank
Connecticut		
NERC Region(s).....		NPCC
Primary Energy Source.....		Nuclear
Net Summer Capacity (megawatts)	7,824	36
Electric Utilities.....	111	46
Independent Power Producers & Combined Heat and Power.....	7,713	15
Net Generation (megawatthours).....	30,409,473	40
Electric Utilities.....	52,334	45
Independent Power Producers & Combined Heat and Power.....	30,357,138	11
Emissions (thousand metric tons)		
Sulfur Dioxide	4	46
Nitrogen Oxide.....	7	46
Carbon Dioxide.....	9,429	41
Sulfur Dioxide (lbs/MWh)	0.3	47
Nitrogen Oxide (lbs/MWh)	0.5	48
Carbon Dioxide (lbs/MWh).....	684	45
Total Retail Sales (megawatthours).....	30,956,544	35
Full Service Provider Sales (megawatthours)	19,232,128	39
Deregulated Sales (megawatthours)	11,724,416	8
Direct Use (megawatthours)	948,849	30
Average Retail Price (cents/kWh).....	17.79	2

MWh = Megawatthours.

kWh = Kilowatthours.

Sources: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 2. Ten Largest Plants by Generating Capacity, 2008

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
Connecticut			
1. Millstone.....	Nuclear	Dominion Nuclear Conn Inc	2,015
2. Middletown.....	Petroleum	Middletown Power LLC	770
3. Lake Road Generating Plant.....	Gas	Lake Road Generating Co LP	745
4. Milford Power Project	Gas	Milford Power Co LLC	522
5. Bridgeport Harbor.....	Coal	PSEG Power Connecticut LLC	513
6. Montville Station	Petroleum	NRG Montville Operations Inc	496
7. Bridgeport Energy Project.....	Gas	Bridgeport Energy LLC	454
8. New Haven Harbor.....	Petroleum	PSEG Power Connecticut LLC	448
9. NRG Norwalk Harbor	Petroleum	Norwalk Power LLC	342
10. PPL Wallingford Energy LLC.....	Gas	PPL Wallingford Energy LLC	190

MW = Megawatt.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2008
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
Connecticut						
1. Connecticut Light & Power Co.....	Investor-Owned	14,083,007	9,261,873	4,187,474	596,930	36,730
2. Constellation NewEnergy, Inc.....	Other Provider	4,357,309	-	3,093,689	1,263,620	-
3. United Illuminating Co.....	Investor-Owned	3,066,572	2,048,559	920,903	97,110	-
4. TransCanada Power Mktg Ltd.....	Other Provider	1,340,597	-	-	1,340,597	-
5. Consolidated Edison Sol Inc.....	Other Provider	981,315	37,047	944,268	-	-
Total Sales, Top Five Providers.....		23,828,800	11,347,479	9,146,334	3,298,257	36,730
Percent of Total State Sales.....		77	89	67	75	19

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatts)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Connecticut										
Electric Utilities.....	5,616	34	210	174	25	37	111	111	85.5	1.4
Coal.....	385	-	-	-	-	-	-	-	5.9	-
Petroleum.....	2,744	25	201	165	16	28	30	30	41.8	0.4
Natural Gas.....	341	-	-	-	-	-	71	71	5.2	0.9
Nuclear.....	2,011	-	-	-	-	-	-	-	30.6	-
Hydroelectric.....	130	9	9	9	9	9	9	9	2.0	0.1
Pumped Storage.....	6	-	-	-	-	-	-	-	0.1	-
Independent Power Producers and Combined Heat and Power.....	949	7,365	7,363	7,755	7,937	7,845	7,614	7,713	14.5	98.6
Coal.....	200	553	553	553	555	551	551	553	3.1	7.1
Petroleum.....	-	2,748	2,732	2,696	2,973	2,898	2,679	2,711	-	34.6
Natural Gas.....	483	1,662	1,685	2,134	2,037	2,020	2,029	2,100	7.4	26.8
Nuclear.....	-	2,006	1,997	2,037	2,037	2,037	2,022	2,015	-	25.7
Hydroelectric.....	19	137	137	137	137	138	113	113	0.3	1.4
Other Renewables.....	244	228	228	166	166	170	163	166	3.7	2.1
Pumped Storage.....	-	4	4	4	4	4	29	29	-	0.4
Other.....	3	27	27	27	27	27	27	27	*	0.3
Total Electric Industry.....	6,565	7,400	7,573	7,929	7,962	7,882	7,725	7,824	100.0	100.0
Coal.....	585	553	553	553	555	551	551	553	8.9	7.1
Petroleum.....	2,744	2,773	2,933	2,862	2,989	2,926	2,709	2,741	41.8	35.0
Natural Gas.....	824	1,662	1,685	2,134	2,037	2,020	2,100	2,171	12.5	27.8
Nuclear.....	2,011	2,006	1,997	2,037	2,037	2,037	2,022	2,015	30.6	25.7
Hydroelectric.....	148	146	146	146	146	147	122	122	2.3	1.6
Other Renewables.....	244	228	228	166	166	170	163	166	3.7	2.1
Pumped Storage.....	6	4	4	4	4	4	29	29	0.1	0.4
Other.....	3	27	27	27	27	27	27	27	*	0.3

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatthours)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Connecticut										
Electric Utilities.....	15,122,925	21,463	59,812	45,095	41,709	47,612	37,217	52,334	76.8	0.2
Coal.....	1,482,608	-	-	-	-	-	-	-	7.5	-
Petroleum.....	8,608,001	928	13,955	9,253	695	1,282	3,325	2,597	43.7	*
Natural Gas.....	977,388	-	-	-	-	-	5,919	3,418	5.0	*
Nuclear.....	3,243,003	-	-	-	-	-	-	-	16.5	-
Hydroelectric.....	384,447	20,535	45,857	35,842	41,014	46,330	27,974	46,319	2.0	0.2
Other Renewables.....	427,389	-	-	-	-	-	-	-	2.2	-
Pumped Storage.....	89	-	-	-	-	-	-	-	*	-
Independent Power Producers and Combined Heat and Power.....	4,568,567	31,289,757	29,485,238	32,588,313	33,508,038	34,634,124	33,133,992	30,357,138	23.2	99.8
Coal.....	1,533,639	3,227,202	4,200,297	4,255,072	3,996,492	4,281,516	3,738,723	4,386,608	7.8	14.4
Petroleum.....	57,081	2,336,957	2,048,713	1,730,859	3,155,147	1,277,552	1,307,934	511,253	0.3	1.7
Natural Gas.....	1,280,080	8,868,471	5,061,613	8,107,806	8,863,892	10,484,481	9,923,641	8,066,434	6.5	26.5
Other Gases.....	239	8,834	-	-	1,566	1,647	2,196	-	*	-
Nuclear.....	-	14,918,272	16,078,095	16,539,097	15,562,122	16,589,446	16,386,142	15,432,946	-	50.8
Hydroelectric.....	63,838	314,553	518,559	426,770	437,185	497,562	335,287	509,858	0.3	1.7
Other Renewables.....	1,633,690	821,346	785,861	757,819	753,335	763,320	729,839	733,514	8.3	2.4
Pumped Storage.....	-	-10,201	-18	7,715	-1,653	-	-15,355	6,791	-	*
Other.....	-	804,322	792,118	763,174	739,952	738,600	725,586	709,734	-	2.3
Total Electric Industry.....	19,691,492	31,311,220	29,545,050	32,633,408	33,549,747	34,681,736	33,171,209	30,409,473	100.0	100.0
Coal.....	3,016,247	3,227,202	4,200,297	4,255,072	3,996,492	4,281,516	3,738,723	4,386,608	15.3	14.4
Petroleum.....	8,665,082	2,337,885	2,062,668	1,740,112	3,155,842	1,278,834	1,311,259	513,850	44.0	1.7
Natural Gas.....	2,257,468	8,868,471	5,061,613	8,107,806	8,863,892	10,484,481	9,929,559	8,069,852	11.5	26.5
Other Gases.....	239	8,834	-	-	1,566	1,647	2,196	-	*	-
Nuclear.....	3,243,003	14,918,272	16,078,095	16,539,097	15,562,122	16,589,446	16,386,142	15,432,946	16.5	50.8
Hydroelectric.....	448,285	335,088	564,416	462,612	478,199	543,892	363,261	556,177	2.3	1.8
Other Renewables.....	2,061,079	821,346	785,861	757,819	753,335	763,320	729,839	733,514	10.5	2.4
Pumped Storage.....	89	-10,201	-18	7,715	-1,653	-	-15,355	6,791	*	*
Other.....	-	804,322	792,118	763,174	739,952	738,600	725,586	709,734	-	2.3

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1998 and 2002 Through 2008

Fuel, Quality	1998	2002	2003	2004	2005	2006	2007	2008
Connecticut								
Coal (cents per million Btu)	181	W	W	W	W	W	W	W
Average heat value (Btu per pound).....	13,138	11,439	10,565	10,423	10,139	10,056	10,286	10,215
Average sulfur Content (percent)	0.53	0.89	0.55	0.54	0.44	0.51	0.42	0.39
Petroleum (cents per million Btu) ¹	219	422	542	568	836	850	971	1,744
Average heat value (Btu per gallon).....	152,131	149,169	146,743	147,602	148,190	148,805	147,962	148,602
Average sulfur Content (percent)	0.78	0.39	0.40	0.34	0.28	0.25	0.27	0.30
Natural Gas (cents per million Btu).....	237	392	W	W	922	733	773	1,033
Average heat value (Btu per cubic foot).....	1,030	1,016	1,020	1,008	1,010	1,009	1,011	1,012

¹ Petroleum includes petroleum liquids and petroleum coke.

Btu = British thermal unit.

W = Withheld to avoid disclosure of individual company data.

Note: Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. There may be a notable increase in fuel receipts beginning with 2008. For more information, please see the Technical Notes in the Electric Power Annual.

Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report." Federal Energy Regulatory Commission, FERC Form 423, "Monthly Cost and Quality of Fuels for Electric Plants." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 7. Electric Power Industry Emissions Estimates, 1998 and 2002 Through 2008
(Thousand Metric Tons)

Emission Type	1998	2002	2003	2004	2005	2006	2007	2008
Connecticut								
Sulfur Dioxide								
Coal	6	5	3	3	3	3	2	3
Petroleum	40	6	5	4	5	3	3	1
Natural Gas	*	*	*	*	*	*	*	*
Other Renewables	2 ^R	*	*	*	*	*	*	*
Other	3 ^R	*	*	*	*	*	*	*
Total	51	12	8	7	8	5	5	4
Nitrogen Oxide								
Coal	6	2	2	2	2	2	2	2
Petroleum	13	2	2	2	3	2	2	1
Natural Gas	3	2	1	1	1	1	1	1
Other Renewables	5 ^R	2	2	2	2	2	2	4
Other	1 ^R	2	2	2	2	2	2	*
Total	27	10	10	9	11	9	8	7
Carbon Dioxide								
Coal	3,032 ^R	3,184 ^R	3,965 ^R	4,179 ^R	3,994 ^R	4,348 ^R	3,792 ^R	4,304
Petroleum	7,541 ^R	1,997 ^R	1,890 ^R	1,685 ^R	2,899 ^R	1,259 ^R	1,228 ^R	504
Natural Gas	1,524 ^R	3,972 ^R	2,524 ^R	3,321 ^R	3,553 ^R	4,363 ^R	4,265 ^R	3,485
Other Renewables	974 ^R	-	-	-	-	-	-	-
Other	260 ^R	1,222 ^R	1,242 ^R	1,200 ^R	1,194 ^R	1,176 ^R	1,160 ^R	1,136
Total	13,332 ^R	10,375 ^R	9,621 ^R	10,385 ^R	11,640 ^R	11,146 ^R	10,445 ^R	9,429

R = Revised.

* = 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 *).

- (dash) = Data not available.

Source: Calculations made by the Electric Power Division, U. S. Energy Information Administration.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1998 and 2002 Through 2008

Sector	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Connecticut										
Retail Sales (thousand megawatthours)										
Residential	10,935	12,473	13,178	13,211	13,803	12,963	13,372	12,730	37.8	41.1
Commercial	11,683	12,614	13,094	13,455	13,949	13,611	15,126	13,665	40.3	44.1
Industrial	5,838	5,370	5,366	5,358	5,153	4,926	5,433	4,371	20.2	14.1
Other	500	548	NA	NA	NA	NA	NA	NA	1.7	--
Transportation.....	NA	NA	192	190	190	177	198	190	--	0.6
All Sectors	28,956	31,005	31,830	32,215	33,095	31,677	34,129	30,957	100.0	100.0
Retail Revenue (million dollars).....										
Residential	1,306	1,367	1,491	1,537	1,883	2,185	2,556	2,488	43.8	45.2
Commercial	1,169	1,176	1,300	1,332	1,608	1,909	2,328	2,339	39.2	42.5
Industrial	449	412	429	423	484	577	702	653	15.1	11.9
Other	58	57	NA	NA	NA	NA	NA	NA	2.0	--
Transportation.....	NA	NA	15	14	17	26	28	28	--	0.5
All Sectors	2,983	3,012	3,235	3,305	3,992	4,697	5,613	5,508	100.0	100.0
Average Retail Prices (cents/kWh)										
Residential	11.95	10.96	11.31	11.63	13.64	16.86	19.11	19.55	--	--
Commercial	10.01	9.32	9.93	9.90	11.53	14.03	15.39	17.12	--	--
Industrial	7.70	7.68	7.99	7.89	9.40	11.71	12.92	14.93	--	--
Other	11.65	10.35	NA	NA	NA	NA	NA	NA	--	--
Transportation.....	NA	NA	7.72	7.25	8.78	14.55	14.18	14.69	--	--
All Sectors	10.30	9.71	10.16	10.26	12.06	14.83	16.45	17.79	--	--

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 9. Retail Electricity Sales Statistics, 2008

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Number of Entities.....	2	8	NA	NA	1	17	2	30
Number of Retail Customers	1,425,132	72,847	NA	NA	1	114,666	NA	1,612,646
Retail Sales (thousand megawatthours).....	17,150	2,043	NA	NA	40	11,724	NA	30,957
Percentage of Retail Sales	55.40	6.60	--	--	0.13	37.87	--	100.00
Revenue from Retail Sales (million dollars)	3,294	251	NA	NA	6	1,323	635	5,508
Percentage of Revenue	59.80	4.56	--	--	0.10	24.01	11.52	100.00
Average Retail Price (cents/kWh).....	19.21	12.31	NA	NA	13.77	11.28	5.41	17.79

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Totals may not equal sum of components because of independent rounding. 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.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 10. Supply and Disposition of Electricity, 1998 and 2002 Through 2008
(Million Kilowatthours)

Category	1998	2002	2003	2004	2005	2006	2007	2008
Connecticut								
Supply								
Generation								
Electric Utilities	15,123	21	60	45	42	48	37	52
Independent Power Producers	1,461	28,878	27,167	30,345	31,564	32,431	31,087	28,138
Combined Heat and Power, Electric	2,264	2,053	1,986	1,966	1,697	1,874	1,831	1,956
Electric Power Sector Generation Subtotal	18,847	30,952	29,212	32,356	33,303	34,352	32,956	30,147
Combined Heat and Power, Commercial	482	48	45	43	40	38	44	44
Combined Heat and Power, Industrial	363	311	288	235	207	291	172	218
Industrial and Commercial Generation Subtotal	844	359	333	278	247	330	216	262
Total Net Generation	19,691	31,311	29,545	32,633	33,550	34,682	33,171	30,409
Total International Imports	1,766	326	472	1,061	1,336	1,346	1,832	2,161
Total Supply	21,457	31,637	30,017	33,695	34,885	36,028	35,003	32,571
Disposition								
Retail Sales								
Full Service Providers	28,956	30,615	31,230	31,470	32,355	30,114	24,075	19,192
Energy-Only Providers	-	390	600	744	740	1,529	10,015	11,724
Facility Direct Retail Sales ¹	-	-	-	-	-	34	40	40
Total Electric Industry Retail Sales	28,956	31,005	31,830	32,215	33,095	31,677	34,129	30,957
Direct Use	598	1,520	1,539	1,541	225	302	793	949
Total International Exports	6	-	126	66	196	181	332	137
Estimated Losses	1,961	1,581	1,723^R	1,441^R	1,580^R	1,989	2,019	2,527
Total Disposition	31,522	34,107	35,219^R	35,263^R	35,096^R	34,149	37,273	34,569
Net Interstate Trade ²	-10,065	-2,470	-5,202^R	-1,568^R	-211^R	1,879	-2,270	-1,999
Net Trade Index (ratio) ³	0.68	0.93	0.85^R	0.96	0.99	1.06	0.94	0.94

¹ Facility Direct Retail Sales are electricity sales from non utility power producers which reported electricity sales to a retail customer.

² Net Interstate Trade is the difference between Total Supply and Total Disposition.

³ Net Trade Index is the ratio of Total Supply to Total Disposition.

R = Revised.

- (dash) = Data not available.

Notes: Totals may not equal sum of components because of independent rounding. 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. 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.

Sources: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms. U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry 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.

Table 1. 2008 Summary Statistics

Item	Value	U.S. Rank
Delaware		
NERC Region(s).....		RFC
Primary Energy Source.....		Coal
Net Summer Capacity (megawatts)	3,351	45
Electric Utilities.....	55	48
Independent Power Producers & Combined Heat and Power.....	3,296	27
Net Generation (megawatthours).....	7,523,839	46
Electric Utilities.....	19,068	46
Independent Power Producers & Combined Heat and Power.....	7,504,771	34
Emissions (thousand metric tons)		
Sulfur Dioxide	32	35
Nitrogen Oxide.....	11	44
Carbon Dioxide.....	6,589	44
Sulfur Dioxide (lbs/MWh)	9.4	4
Nitrogen Oxide (lbs/MWh)	3.4	8
Carbon Dioxide (lbs/MWh).....	1,931	7
Total Retail Sales (megawatthours).....	11,748,783	44
Full Service Provider Sales (megawatthours)	7,789,197	46
Deregulated Sales (megawatthours)	3,959,586	12
Direct Use (megawatthours)	750,658	34
Average Retail Price (cents/kWh).....	12.36	13

MWh = Megawatthours.

kWh = Kilowatthours.

Sources: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 2. Ten Largest Plants by Generating Capacity, 2008

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 Operations	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	NAES Corporation	136
6. NRG Energy Center Dover	Coal	NRG Energy Center Dover LLC	100
7. Warren F Sam Beasley Generation Station	Gas	Delaware Municipal Electric Corp	48
8. Christiana.....	Petroleum	Conectiv Delmarva Gen Inc	44
9. Van Sant Station	Gas	NAES Corporation	39
10. Seaford Delaware Plant	Coal	Invista	27

MW = Megawatt.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2008
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
Delaware						
1. Delmarva Power	Investor-Owned	4,811,772	2,858,448	1,612,564	340,760	-
2. Delaware Electric Cooperative.....	Cooperative	1,154,580	939,308	215,272	-	-
3. PEPCO Energy Services.....	Other Provider	752,962	-	752,962	-	-
4. Dover City of.....	Public	719,947	191,703	250,764	277,480	-
5. Constellation NewEnergy, Inc.....	Other Provider	556,477	-	426,705	129,772	-
Total Sales, Top Five Providers		7,995,738	3,989,459	3,258,267	748,012	-
Percent of Total State Sales		68	90	75	25	-

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatts)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Delaware										
Electric Utilities.....	2,285	58	58	58	194	58	56	55	93.2	1.6
Coal.....	1,027	-	-	-	-	-	-	-	41.9	-
Petroleum.....	747	9	9	9	145	9	7	7	30.5	0.2
Natural Gas.....	511	49	49	49	49	49	49	48	20.8	1.4
Independent Power Producers and Combined Heat and Power.....	167	3,332	3,335	3,371	3,171	3,316	3,301	3,296	6.8	98.4
Coal.....	27	1,050	1,052	1,070	1,083	1,083	1,083	1,083	1.1	32.3
Petroleum.....	134	736	736	686	550	686	691	550	5.5	16.4
Natural Gas.....	4	1,244	1,244	1,308	1,231	1,233	1,213	1,349	0.2	40.3
Other Gases.....	1	303	303	307	307	307	307	307	*	9.2
Other Renewables.....	-	-	-	-	-	7	7	7	-	0.2
Total Electric Industry.....	2,451	3,390	3,392	3,428	3,365	3,374	3,357	3,351	100.0	100.0
Coal.....	1,054	1,050	1,052	1,070	1,083	1,083	1,083	1,083	43.0	32.3
Petroleum.....	881	745	745	695	695	695	698	557	35.9	16.6
Natural Gas.....	515	1,293	1,293	1,357	1,280	1,282	1,262	1,397	21.0	41.7
Other Gases.....	1	303	303	307	307	307	307	307	*	9.2
Other Renewables.....	-	-	-	-	-	7	7	7	-	0.2

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatthours)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Delaware										
Electric Utilities.....	6,317,738	170,994	31,107	23,751	25,989	16,558	47,830	19,068	91.6	0.3
Coal.....	3,811,669	-	-	-	-	-	-	-	55.3	-
Petroleum.....	1,234,464	154,118	9,863	10,083	6,442	113	4,132	512	17.9	*
Natural Gas.....	1,271,605	16,876	21,244	13,668	19,547	16,445	43,698	18,556	18.4	0.2
Independent Power Producers and Combined Heat and Power.....	580,847	5,831,495	7,361,180	7,831,802	8,110,579	7,165,621	8,486,333	7,504,771	8.4	99.7
Coal.....	94,508	3,463,565	4,026,496	4,743,835	4,832,844	4,968,812	5,621,823	5,266,915	1.4	70.0
Petroleum.....	289,170	795,577	1,707,001	1,093,495	1,213,797	131,802	237,004	218,665	4.2	2.9
Natural Gas.....	5,367	1,426,007	1,442,536	1,704,751	1,571,270	1,154,323	1,858,286	1,368,453	0.1	18.2
Other Gases.....	187,641	146,346	185,147	289,720	492,668	910,268	721,105	476,422	2.7	6.3
Other Renewables.....	-	-	-	-	-	417	48,116	163,375	-	2.2
Other.....	4,161	-	-	-	-	-	-	10,941	0.1	0.1
Total Electric Industry.....	6,898,585	6,002,489	7,392,287	7,855,553	8,136,568	7,182,179	8,534,163	7,523,839	100.0	100.0
Coal.....	3,906,177	3,463,565	4,026,496	4,743,835	4,832,844	4,968,812	5,621,823	5,266,915	56.6	70.0
Petroleum.....	1,523,634	949,695	1,716,864	1,103,578	1,220,239	131,915	241,136	219,177	22.1	2.9
Natural Gas.....	1,276,972	1,442,883	1,463,780	1,718,419	1,590,817	1,170,768	1,901,984	1,387,009	18.5	18.4
Other Gases.....	187,641	146,346	185,147	289,720	492,668	910,268	721,105	476,422	2.7	6.3
Other Renewables.....	-	-	-	-	-	417	48,116	163,375	-	2.2
Other.....	4,161	-	-	-	-	-	-	10,941	0.1	0.1

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1998 and 2002 Through 2008

Fuel, Quality	1998	2002	2003	2004	2005	2006	2007	2008
Delaware								
Coal (cents per million Btu)	156	W	W	W	W	W	W	W
Average heat value (Btu per pound).....	12,962	12,858	12,803	12,530	12,222	12,401	12,524	12,452
Average sulfur Content (percent)	0.98	0.91	0.90	0.83	0.67	0.74	0.73	0.74
Petroleum (cents per million Btu) ¹	215	406	576	611	863	1,351	1,304	1,811
Average heat value (Btu per gallon).....	150,957	148,964	147,895	146,312	147,248	139,117	144,114	143,781
Average sulfur Content (percent)	0.67	0.69	0.52	0.39	0.46	0.06	0.30	0.33
Natural Gas (cents per million Btu).....	298	W	W	W	W	W	W	W
Average heat value (Btu per cubic foot).....	971	1,036	1,043	1,036	1,037	1,037	1,088	1,035

¹ Petroleum includes petroleum liquids and petroleum coke.

Btu = British thermal unit.

W = Withheld to avoid disclosure of individual company data.

Note: Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. There may be a notable increase in fuel receipts beginning with 2008. For more information, please see the Technical Notes in the Electric Power Annual.

Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report." Federal Energy Regulatory Commission, FERC Form 423, "Monthly Cost and Quality of Fuels for Electric Plants." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 7. Electric Power Industry Emissions Estimates, 1998 and 2002 Through 2008
(Thousand Metric Tons)

Emission Type	1998	2002	2003	2004	2005	2006	2007	2008
Delaware								
Sulfur Dioxide								
Coal	35	28	32	33	29	28	32	32
Petroleum	6	4	4	2	2	2	2	*
Natural Gas	-	*	-	-	*	*	*	*
Other Gases	-	*	*	*	*	*	*	*
Other Renewables	-	-	-	*	*	*	*	*
Total	41	31	36	35	31	30	34	32
Nitrogen Oxide								
Coal	12	7	8	8	9	8	9	8
Petroleum	3	3	5	2	2	1	1	*
Natural Gas	*	1	*	1	1	*	1	*
Other Gases	*	1	*	2	2	2	2	2
Other Renewables	-	*	*	*	*	*	1	1
Other	*	-	-	-	*	*	*	*
Total	15	11	13	13	14	11	13	11
Carbon Dioxide								
Coal	4,046 ^R	3,688 ^R	4,190 ^R	4,985 ^R	5,286 ^R	5,275 ^R	5,942 ^R	5,666
Petroleum	2,025 ^R	1,292 ^R	2,220 ^R	789 ^R	865 ^R	138 ^R	245 ^R	209
Natural Gas	574 ^R	1,085 ^R	650 ^R	814 ^R	719 ^R	529 ^R	1,103 ^R	714
Total	6,646 ^R	6,065 ^R	7,060 ^R	6,587 ^R	6,870 ^R	5,942 ^R	7,291 ^R	6,589

R = Revised.

* = 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 *).

- (dash) = Data not available.

Source: Calculations made by the Electric Power Division, U. S. Energy Information Administration.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1998 and 2002 Through 2008

Sector	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Delaware										
Retail Sales (thousand megawatthours)										
Residential	3,339	4,020	4,190	4,305	4,594	4,259	4,470	4,428	32.1	37.7
Commercial	3,227	3,787	3,886	4,033	4,238	4,196	4,321	4,339	31.0	36.9
Industrial	3,779	4,151	4,523	3,423	3,305	3,100	3,078	2,982	36.3	25.4
Other	53	60	NA	NA	NA	NA	NA	NA	0.5	--
All Sectors	10,398	12,019	12,600	11,761	12,137	11,555	11,869	11,749	100.0	100.0
Retail Revenue (million dollars)										
Residential	305	350	360	378	414	505	588	617	42.6	42.5
Commercial	228	271	284	300	322	429	484	523	31.9	36.0
Industrial	176	201	233	207	205	238	275	312	24.6	21.5
Other	7	8	NA	NA	NA	NA	NA	NA	1.0	--
All Sectors	716	830	877	885	941	1,171	1,347	1,452	100.0	100.0
Average Retail Prices (cents/kWh)										
Residential	9.13	8.70	8.59	8.78	9.01	11.85	13.16	13.93	--	--
Commercial	7.07	7.15	7.31	7.44	7.60	10.21	11.21	12.07	--	--
Industrial	4.65	4.85	5.15	6.06	6.21	7.67	8.93	10.45	--	--
Other	13.17	14.13	NA	NA	NA	NA	NA	NA	--	--
All Sectors	6.88	6.91	6.96	7.53	7.76	10.13	11.35	12.36	--	--

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 9. Retail Electricity Sales Statistics, 2008

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Delaware								
Number of Entities	1	9	NA	1	NA	15	1	27
Number of Retail Customers	286,262	63,403	NA	79,755	NA	11,975	NA	441,395
Retail Sales (thousand megawatthours)	4,812	1,823	NA	1,155	NA	3,960	NA	11,749
Percentage of Retail Sales	40.96	15.52	--	9.83	--	33.70	--	100.00
Revenue from Retail Sales (million dollars)	653	252	NA	136	NA	380	31	1,452
Percentage of Revenue	44.94	17.37	--	9.39	--	26.19	2.11	100.00
Average Retail Price (cents/kWh)	13.56	13.83	NA	11.81	NA	9.60	0.77	12.36

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Totals may not equal sum of components because of independent rounding. 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.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 10. Supply and Disposition of Electricity, 1998 and 2002 Through 2008
(Million Kilowatthours)

Category	1998	2002	2003	2004	2005	2006	2007	2008
Delaware								
Supply								
Generation								
Electric Utilities	6,318	171	31	24	26	17	48	19
Independent Power Producers	-	5,271	6,653	6,866	7,078	6,025	7,283	5,227
Combined Heat and Power, Electric	-	-	109	128	129	102	132	1,579
Electric Power Sector Generation Subtotal	6,318	5,442	6,793	7,018	7,233	6,143	7,463	6,824
Combined Heat and Power, Industrial	581	560	599	838	903	1,039	1,071	699
Industrial and Commercial Generation Subtotal	581	560	599	838	903	1,039	1,071	699
Total Net Generation	6,899	6,002	7,392	7,856	8,137	7,182	8,534	7,524
Total Supply	6,899	6,002	7,392	7,856	8,137	7,182	8,534	7,524
Disposition								
Retail Sales								
Full Service Providers	10,398	10,864	10,488	10,751	11,187	9,044	7,828	7,789
Energy-Only Providers	-	1,155	2,111	1,010	950	2,511	4,041	3,960
Total Electric Industry Retail Sales	10,398	12,019	12,600	11,761	12,137	11,555	11,869	11,749
Direct Use	581	556	563	564	736	494	910	751
Estimated Losses	704	672	1,841	1,067	1,222	986	1,198	751
Total Disposition	11,683	13,247	15,004	13,392	14,095	13,034	13,977	13,250
Net Interstate Trade ¹	-4,784	-7,245	-7,612	-5,537^R	-5,959^R	-5,852	-5,443	-5,726
Net Trade Index (ratio) ²	0.59	0.45	0.49	0.59	0.58	0.55	0.61	0.57

¹ Net Interstate Trade is the difference between Total Supply and Total Disposition.

² Net Trade Index is the ratio of Total Supply to Total Disposition.

R = Revised.

- (dash) = Data not available.

Notes: Totals may not equal sum of components because of independent rounding. 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. 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.

Sources: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms. U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry 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.

Table 1. 2008 Summary Statistics

Item	Value	U.S. Rank
District of Columbia		
NERC Region(s).....		RFC
Primary Energy Source.....		Petroleum
Net Summer Capacity (megawatts)	790	51
Independent Power Producers & Combined Heat and Power.....	790	42
Net Generation (megawatthours).....	72,316	51
Independent Power Producers & Combined Heat and Power.....	72,316	50
Emissions (thousand metric tons)		
Sulfur Dioxide	*	49
Nitrogen Oxide	*	51
Carbon Dioxide.....	70	50
Sulfur Dioxide (lbs/MWh)	7.9	7
Nitrogen Oxide (lbs/MWh)	5.5	1
Carbon Dioxide (lbs/MWh).....	2,130	3
Total Retail Sales (megawatthours)	11,851,003	43
Full Service Provider Sales (megawatthours)	3,849,443	50
Deregulated Sales (megawatthours)	8,001,560	11
Direct Use (megawatthours)	-	51
Average Retail Price (cents/kWh).....	13.10	10

MWh = Megawatthours.

kWh = Kilowatthours.

* = 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 *).

- (dash) = Data not available.

Sources: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 2. Largest Plants by Generating Capacity, 2008

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	240

MW = Megawatt.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2008
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
District of Columbia						
1. PEPCO Energy Services.....	Other Provider	4,501,095	6,396	4,328,801	-	165,898
2. Potomac Electric Power Co.....	Investor-Owned	3,849,443	1,881,404	1,968,039	-	-
3. Hess Retail Natural Gas and Elec. Acctg.....	Other Provider	2,050,559	-	1,746,566	303,993	-
4. Washington Gas Energy Services	Other Provider	549,066	8,719	540,347	-	-
5. Constellation NewEnergy, Inc.....	Other Provider	438,558	-	245,804	-	192,754
Total Sales, Top Five Providers		11,388,721	1,896,519	8,829,557	303,993	358,652
Percent of Total State Sales		96	100	95	100	100

-(dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatts)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
District of Columbia										
Electric Utilities.....	806	-	-	-	-	-	-	-	100.0	-
Petroleum.....	806	-	-	-	-	-	-	-	100.0	-
Independent Power Producers and Combined Heat and Power	-	806	806	806	806	806	806	790	-	100.0
Petroleum.....	-	806	806	806	806	806	806	790	-	100.0
Total Electric Industry.....	806	806	806	806	806	806	806	790	100.0	100.0
Petroleum.....	806	806	806	806	806	806	806	790	100.0	100.0

-(dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatthours)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
District of Columbia										
Electric Utilities.....	243,975	-	-	-	-	-	-	-	100.0	-
Petroleum.....	243,975	-	-	-	-	-	-	-	100.0	-
Independent Power Producers and Combined Heat and Power.....	-	261,980	74,144	36,487	226,042	81,467	75,251	72,316	-	100.0
Petroleum.....	-	261,980	74,144	36,487	226,042	81,467	75,251	72,316	-	100.0
Total Electric Industry.....	243,975	261,980	74,144	36,487	226,042	81,467	75,251	72,316	100.0	100.0
Petroleum.....	243,975	261,980	74,144	36,487	226,042	81,467	75,251	72,316	100.0	100.0

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1998 and 2002 Through 2008

Fuel, Quality	1998	2002	2003	2004	2005	2006	2007	2008
District of Columbia								
Petroleum (cents per million Btu) ¹	253	W	W	W	W	W	W	W
Average heat value (Btu per gallon).....	143,069	142,114	142,324	141,352	142,143	140,714	139,371	138,700
Average sulfur Content (percent).....	0.99	0.60	0.58	0.43	0.54	0.48	0.34	0.47

¹ Petroleum includes petroleum liquids and petroleum coke.

Btu = British thermal unit.

W = Withheld to avoid disclosure of individual company data.

Note: Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. There may be a notable increase in fuel receipts beginning with 2008. For more information, please see the Technical Notes in the Electric Power Annual.

Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report." Federal Energy Regulatory Commission, FERC Form 423, "Monthly Cost and Quality of Fuels for Electric Plants." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 7. Electric Power Industry Emissions Estimates, 1998 and 2002 Through 2008
(Thousand Metric Tons)

Emission Type	1998	2002	2003	2004	2005	2006	2007	2008
District of Columbia								
Sulfur Dioxide								
Petroleum.....	1	1	*	*	1	*	*	*
Total.....	1	1	*	*	1	*	*	*
Nitrogen Oxide								
Petroleum.....	1	1	*	*	1	*	*	*
Total.....	1	1	*	*	1	*	*	*
Carbon Dioxide								
Petroleum.....	263 ^R	264 ^R	83 ^R	56	236 ^R	100 ^R	86 ^R	70
Total.....	263 ^R	264 ^R	83 ^R	56	236 ^R	100 ^R	86 ^R	70

R = Revised.

* = 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 *).

Source: Calculations made by the Electric Power Division, U. S. Energy Information Administration.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1998 and 2002 Through 2008

Sector	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
District of Columbia										
Retail Sales (thousand megawatthours)										
Residential	1,596	1,790	1,754	1,834	1,938	1,822	1,970	1,897	15.5	16.0
Commercial	8,051	8,645	8,639	8,994	9,296	9,030	9,519	9,290	78.3	78.4
Industrial	262	282	267	282	256	240	297	305	2.5	2.6
Other	372	411	NA	NA	NA	NA	NA	NA	3.6	--
Transportation.....	NA	NA	285	304	326	305	325	359	--	3.0
All Sectors	10,281	11,129	10,946	11,415	11,816	11,396	12,110	11,851	100.0	100.0
Retail Revenue (million dollars).....										
Residential	128	143	138	147	176	180	220	242	16.8	15.6
Commercial	598	633	635	670	848	1,008	1,143	1,229	78.5	79.1
Industrial	11	14	15	13	36	42	28	32	1.5	2.1
Other	24	27	NA	NA	NA	NA	NA	NA	3.2	--
Transportation.....	NA	NA	22	22	24	33	37	49	--	3.2
All Sectors	762	817	810	852	1,085	1,263	1,428	1,553	100.0	100.0
Average Retail Prices (cents/kWh)										
Residential	8.00	7.98	7.84	8.00	9.10	9.88	11.18	12.79	--	--
Commercial	7.43	7.32	7.35	7.45	9.13	11.17	12.01	13.23	--	--
Industrial	4.38	4.95	5.57	4.74	14.13	17.43	9.32	10.49	--	--
Other	6.56	6.59	NA	NA	NA	NA	NA	NA	--	--
Transportation.....	NA	NA	7.64	7.37	7.37	10.68	11.32	13.77	--	--
All Sectors	7.41	7.34	7.40	7.47	9.18	11.08	11.79	13.10	--	--

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 9. Retail Electricity Sales Statistics, 2008

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	14	1	16
Number of Retail Customers	234,855	NA	NA	NA	NA	11,411	NA	246,266
Retail Sales (thousand megawatthours).....	3,849	NA	NA	NA	NA	8,002	NA	11,851
Percentage of Retail Sales	32.48	--	--	--	--	67.52	--	100.00
Revenue from Retail Sales (million dollars)	535	NA	NA	NA	NA	766	251	1,553
Percentage of Revenue	34.47	--	--	--	--	49.35	16.18	100.00
Average Retail Price (cents/kWh).....	13.90	NA	NA	NA	NA	9.58	3.14	13.10

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Totals may not equal sum of components because of independent rounding. 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.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 10. Supply and Disposition of Electricity, 1998 and 2002 Through 2008
(Million Kilowatthours)

Category	1998	2002	2003	2004	2005	2006	2007	2008
District of Columbia								
Supply								
Generation								
Electric Utilities	244	-	-	-	-	-	-	-
Independent Power Producers	-	262	74	36	226	81	75	72
Electric Power Sector Generation Subtotal	244	262	74	36	226	81	75	72
Total Net Generation	244	262	74	36	226	81	75	72
Total Supply	244	262	74	36	226	81	75	72
Disposition								
Retail Sales								
Full Service Providers	10,281	5,681	5,725	7,761	4,803	5,965	4,181	3,849
Energy-Only Providers	-	5,448	5,221	3,654	7,013	5,431	7,929	8,002
Total Electric Industry Retail Sales	10,281	11,129	10,946	11,415	11,816	11,396	12,110	11,851
Direct Use	-	*	*	*	-	-	-	-
Estimated Losses	696	805	660^R	774	1,003^R	942	937	810
Total Disposition	10,977	11,934	11,607	12,189	12,819	12,338	13,047	12,661
Net Interstate Trade¹	-10,733	-11,672	-11,533	-12,153^R	-12,593	-12,257	-12,971	-12,589
Net Trade Index (ratio)²	0.02	0.02	0.01	*	0.02	0.01	0.01	0.01

¹ Net Interstate Trade is the difference between Total Supply and Total Disposition.

² Net Trade Index is the ratio of Total Supply to Total Disposition.

R = Revised.

* = 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 *).

- (dash) = Data not available.

Notes: Totals may not equal sum of components because of independent rounding. 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. 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.

Sources: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms. U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry 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.

Table 1. 2008 Summary Statistics

Item	Value	U.S. Rank
Florida		
NERC Region(s).....		FRCC/SERC
Primary Energy Source.....		Gas
Net Summer Capacity (megawatts)	55,460	3
Electric Utilities.....	47,222	1
Independent Power Producers & Combined Heat and Power.....	8,238	13
Net Generation (megawatthours).....	219,636,818	3
Electric Utilities.....	196,524,348	1
Independent Power Producers & Combined Heat and Power.....	23,112,470	14
Emissions (thousand metric tons)		
Sulfur Dioxide	271	11
Nitrogen Oxide	170	5
Carbon Dioxide.....	120,969	5
Sulfur Dioxide (lbs/MWh)	2.7	32
Nitrogen Oxide (lbs/MWh)	1.7	30
Carbon Dioxide (lbs/MWh).....	1,214	34
Total Retail Sales (megawatthours)	226,172,795	3
Full Service Provider Sales (megawatthours)	226,172,795	3
Direct Use (megawatthours)	6,756,496	5
Average Retail Price (cents/kWh).....	10.74	16

MWh = Megawatthours.

kWh = Kilowatthours.

Sources: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 2. Ten Largest Plants by Generating Capacity, 2008

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
Florida			
1. Martin	Gas	Florida Power & Light Co	3,814
2. Turkey Point	Nuclear	Florida Power & Light Co	3,330
3. Crystal River	Coal	Progress Energy Florida Inc	3,171
4. Manatee	Gas	Florida Power & Light Co	2,742
5. Fort Myers	Gas	Florida Power & Light Co	2,412
6. Sanford.....	Gas	Florida Power & Light Co	2,054
7. Hines Energy Complex.....	Gas	Progress Energy Florida Inc	1,912
8. Lauderdale	Gas	Florida Power & Light Co	1,712
9. St Lucie.....	Nuclear	Florida Power & Light Co	1,678
10. Port Everglades.....	Gas	Florida Power & Light Co	1,639

MW = Megawatt.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2008
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
1. Florida Power & Light Co.....	Investor-Owned	102,749,430	53,141,214	45,945,938	3,581,316	80,962
2. Progress Energy Florida Inc.....	Investor-Owned	38,555,709	19,328,406	15,441,007	3,786,296	-
3. Tampa Electric Co.....	Investor-Owned	18,989,605	8,546,468	8,237,603	2,204,870	664
4. JEA.....	Public	12,607,820	5,314,711	4,162,805	3,126,167	4,137
5. Gulf Power Co.....	Investor-Owned	11,543,399	5,348,642	3,984,160	2,210,597	-
Total Sales, Top Five Providers.....		184,445,963	91,679,441	77,771,513	14,909,246	85,763
Percent of Total State Sales.....		82	80	83	79	100

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatts)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Florida										
Electric Utilities.....	36,472	40,313	41,996	42,619	45,196	45,184	47,224	47,222	90.8	85.1
Coal.....	10,676	11,301	10,223	9,653	9,634	9,564	9,528	9,499	26.6	17.1
Petroleum.....	12,222	10,650	10,063	10,715	10,611	10,593	10,586	12,043	30.4	21.7
Natural Gas.....	9,655	14,401	17,751	18,290	20,990	21,065	23,148	21,698	24.0	39.1
Nuclear.....	3,869	3,906	3,902	3,902	3,902	3,902	3,902	3,924	9.6	7.1
Hydroelectric.....	47	50	50	55	55	55	55	55	0.1	0.1
Other Renewables.....	3	5	8	5	5	5	5	3	*	*
Independent Power Producers and Combined Heat and Power.....	3,682	6,740	7,423	8,034	8,024	8,022	8,227	8,238	9.2	14.9
Coal.....	812	806	799	769	769	769	769	766	2.0	1.4
Petroleum.....	22	18	18	1,073	1,091	1,084	1,085	1,085	0.1	2.0
Natural Gas.....	1,388	4,564	5,300	4,945	4,950	4,970	5,163	5,075	3.5	9.2
Other Renewables.....	1,114	962	895	932	925	949	988	989	2.8	1.8
Other.....	347	391	410	315	289	251	222	324	0.9	0.6
Total Electric Industry.....	40,154	47,054	49,419	50,654	53,220	53,206	55,451	55,460	100.0	100.0
Coal.....	11,488	12,107	11,022	10,422	10,403	10,333	10,297	10,265	28.6	18.5
Petroleum.....	12,243	10,668	10,080	11,787	11,701	11,677	11,671	13,128	30.5	23.7
Natural Gas.....	11,043	18,965	23,051	23,236	25,941	26,035	28,312	26,773	27.5	48.3
Nuclear.....	3,869	3,906	3,902	3,902	3,902	3,902	3,902	3,924	9.6	7.1
Hydroelectric.....	47	50	50	55	55	55	55	55	0.1	0.1
Other Renewables.....	1,117	967	903	937	930	954	993	992	2.8	1.8
Other.....	347	391	410	315	289	251	222	324	0.9	0.6

* = 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 *).

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatthours)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Florida										
Electric Utilities.....	169,447,167	182,346,629	188,034,719	193,383,664	196,096,285	200,015,227	200,533,885	196,524,348	89.4	89.5
Coal.....	65,470,151	60,997,142	62,094,661	60,013,823	57,559,411	60,413,597	62,633,944	59,731,231	34.5	27.2
Petroleum.....	40,952,580	32,449,236	35,545,897	35,824,155	36,122,039	22,508,349	19,841,026	11,830,552	21.6	5.4
Natural Gas.....	31,710,512	54,883,087	59,013,591	65,940,807	73,282,347	85,384,147	88,542,291	92,538,775	16.7	42.1
Nuclear.....	31,115,419	33,704,230	30,979,481	31,215,576	28,758,826	31,426,349	29,289,289	32,133,276	16.4	14.6
Hydroelectric.....	198,505	184,114	262,667	265,258	266,159	203,422	154,446	206,158	0.1	0.1
Other Renewables.....	-	123,335	130,639	124,045	107,503	79,363	72,890	84,356	-	*
Other.....	-	5,485	7,782	-	-	-	-	-	-	-
Independent Power Producers and Combined Heat and Power.....	20,181,829	21,006,145	24,575,293	24,734,264	24,160,127	23,736,394	24,882,175	23,112,470	10.6	10.5
Coal.....	4,809,293	4,929,251	5,579,919	4,847,951	4,955,890	5,009,739	5,274,171	5,092,180	2.5	2.3
Petroleum.....	569,071	1,232,115	1,658,672	1,431,297	1,078,995	395,741	361,841	140,190	0.3	0.1
Natural Gas.....	7,212,679	8,280,948	9,279,829	10,636,163	10,312,848	10,801,993	11,764,893	10,824,348	3.8	4.9
Other Gases.....	80,305	13,079	10,505	14,732	13,240	16,924	15,162	9,977	*	*
Other Renewables.....	5,467,332	3,616,445	4,343,450	4,377,526	4,219,693	4,251,327	4,229,928	4,218,512	2.9	1.9
Other.....	2,043,149	2,934,307	3,702,918	3,426,594	3,579,461	3,260,671	3,236,180	2,827,263	1.1	1.3
Total Electric Industry.....	189,628,996	203,352,774	212,610,012	218,117,928	220,256,412	223,751,621	225,416,060	219,636,818	100.0	100.0
Coal.....	70,279,444	65,926,393	67,674,580	64,861,774	62,515,301	65,423,336	67,908,115	64,823,411	37.1	29.5
Petroleum.....	41,521,651	33,681,351	37,204,569	37,255,452	37,201,034	22,904,090	20,202,867	11,970,743	21.9	5.5
Natural Gas.....	38,923,191	63,164,035	68,293,420	76,576,970	83,595,195	96,186,140	100,307,183	103,363,123	20.5	47.1
Other Gases.....	80,305	13,079	10,505	14,732	13,240	16,924	15,162	9,977	*	*
Nuclear.....	31,115,419	33,704,230	30,979,481	31,215,576	28,758,826	31,426,349	29,289,289	32,133,276	16.4	14.6
Hydroelectric.....	198,505	184,114	262,667	265,258	266,159	203,422	154,446	206,158	0.1	0.1
Other Renewables.....	5,467,332	3,739,780	4,474,089	4,501,571	4,327,196	4,330,690	4,302,818	4,302,868	2.9	2.0
Other.....	2,043,149	2,939,792	3,710,700	3,426,594	3,579,461	3,260,671	3,236,180	2,827,263	1.1	1.3

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1998 and 2002 Through 2008

Fuel, Quality	1998	2002	2003	2004	2005	2006	2007	2008
Florida								
Coal (cents per million Btu)	165	176	176	192	231	256	256	297
Average heat value (Btu per pound).....	12,144	12,263	12,281	12,249	12,227	12,142	12,116	11,929
Average sulfur Content (percent)	1.55	1.55	1.44	1.44	1.38	1.37	1.35	1.38
Petroleum (cents per million Btu) ¹	193	324	389	392	581	568	712	1,003
Average heat value (Btu per gallon).....	143,812	149,657	148,431	148,183	147,510	146,124	147,276	146,433
Average sulfur Content (percent)	1.80	1.78	1.99	1.96	1.99	2.47	2.06	2.40
Natural Gas (cents per million Btu).....	276	397	573	629	844	835	907	1,010
Average heat value (Btu per cubic foot).....	1,053	1,035	1,041	1,032	1,037	1,030	1,029	1,028

¹ Petroleum includes petroleum liquids and petroleum coke.
Btu = British thermal unit.

Note: Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. There may be a notable increase in fuel receipts beginning with 2008. For more information, please see the Technical Notes in the Electric Power Annual.

Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report." Federal Energy Regulatory Commission, FERC Form 423, "Monthly Cost and Quality of Fuels for Electric Plants." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 7. Electric Power Industry Emissions Estimates, 1998 and 2002 Through 2008
(Thousand Metric Tons)

Emission Type	1998	2002	2003	2004	2005	2006	2007	2008
Florida								
Sulfur Dioxide								
Coal.....	461	260	240	236	205	197	192	196
Petroleum.....	325	185	213	193	190	117	116	58
Natural Gas.....	*	*	*	*	*	*	*	*
Other Gases.....	*	*	*	*	*	*	*	*
Other Renewables.....	19 ^R	13	15	14	17	15	14	16
Other.....	2 ^R	1	*	*	*	1	1	*
Total.....	807	459	469	443	412	329	322	271
Nitrogen Oxide								
Coal.....	190	148	145	138	115	118	110	109
Petroleum.....	112	60	67	64	66	48	44	10
Natural Gas.....	28	39	30	29	27	24	25	31
Other Gases.....	*	4	2	2	2	4	4	1
Other Renewables.....	22 ^R	13	13	13	13	13	14	18
Other.....	1 ^R	4	5	5	4	4	4	*
Total.....	354	268	262	250	227	212	203	170
Carbon Dioxide								
Coal.....	69,525 ^R	64,977 ^R	65,658 ^R	63,583 ^R	61,017 ^R	63,107 ^R	65,528 ^R	62,973
Petroleum.....	34,747 ^R	28,162 ^R	31,508 ^R	31,947 ^R	32,616 ^R	20,709 ^R	17,712 ^R	11,116
Natural Gas.....	19,626 ^R	29,622 ^R	30,400 ^R	33,089 ^R	35,440 ^R	41,297 ^R	42,993 ^R	44,474
Other Renewables.....	2,128 ^R	-	-	-	-	-	-	-
Other.....	139 ^R	2,585 ^R	2,356 ^R	2,416 ^R	2,388 ^R	2,485 ^R	2,502 ^R	2,407
Total.....	126,165 ^R	125,347 ^R	129,923 ^R	131,035 ^R	131,462 ^R	127,598 ^R	128,735 ^R	120,969

R = Revised.

* = 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 *).

- (dash) = Data not available.

Source: Calculations made by the Electric Power Division, U. S. Energy Information Administration.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1998 and 2002 Through 2008

Sector	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Florida										
Retail Sales (thousand megawatthours)										
Residential	95,768	108,164	112,650	112,203	115,791	117,053	117,816	113,937	51.1	50.4
Commercial	67,346	77,561	85,257	86,765	89,410	91,300	93,931	93,205	35.9	41.2
Industrial	18,448	18,959	19,375	19,518	19,676	19,768	19,241	18,945	9.8	8.4
Other	5,792	5,789	NA	NA	NA	NA	NA	NA	3.1	--
Transportation.....	NA	NA	97	98	99	99	96	86	--	*
All Sectors	187,355	210,474	217,379	218,584	224,977	228,220	231,085	226,173	100.0	100.0
Retail Revenue (million dollars).....										
Residential	7,557	8,823	9,636	10,086	11,141	13,264	13,223	13,279	57.6	54.7
Commercial	4,298	5,150	6,083	6,601	7,293	9,048	9,154	9,446	32.7	38.9
Industrial	887	991	1,048	1,140	1,271	1,523	1,492	1,562	6.8	6.4
Other	385	430	NA	NA	NA	NA	NA	NA	2.9	--
Transportation.....	NA	NA	7	7	8	10	9	9	--	*
All Sectors	13,127	15,394	16,774	17,835	19,713	23,845	23,878	24,296	100.0	100.0
Average Retail Prices (cents/kWh)										
Residential	7.89	8.16	8.55	8.99	9.62	11.33	11.22	11.65	--	--
Commercial	6.38	6.64	7.13	7.61	8.16	9.91	9.75	10.14	--	--
Industrial	4.81	5.23	5.41	5.84	6.46	7.71	7.76	8.25	--	--
Other	6.64	7.43	NA	NA	NA	NA	NA	NA	--	--
Transportation.....	NA	NA	7.21	7.45	8.03	10.32	9.73	10.18	--	--
All Sectors	7.01	7.31	7.72	8.16	8.76	10.45	10.33	10.74	--	--

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

* = 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 *).

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 9. Retail Electricity Sales Statistics, 2008

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	7,273,736	1,312,992	NA	1,043,183	NA	NA	NA	9,629,911
Retail Sales (thousand megawatthours).....	172,576	34,871	NA	18,726	NA	NA	NA	226,173
Percentage of Retail Sales	76.30	15.42	--	8.28	--	--	--	100.00
Revenue from Retail Sales (million dollars)	18,488	3,768	NA	2,039	NA	NA	NA	24,296
Percentage of Revenue	76.10	15.51	--	8.39	--	--	--	100.00
Average Retail Price (cents/kWh).....	10.71	10.81	NA	10.89	NA	NA	NA	10.74

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Totals may not equal sum of components because of independent rounding. 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.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 10. Supply and Disposition of Electricity, 1998 and 2002 Through 2008
(Million Kilowatthours)

Category	1998	2002	2003	2004	2005	2006	2007	2008
Florida								
Supply								
Generation								
Electric Utilities	169,447	182,347	188,035	193,384	196,096	200,015	200,534	196,524
Independent Power Producers	4,258	7,247	8,276	10,334	10,189	10,156	11,500	10,142
Combined Heat and Power, Electric	9,348	9,242	10,335	8,779	8,515	8,656	8,420	8,326
Electric Power Sector Generation Subtotal	183,053	198,835	206,645	212,497	214,800	218,827	220,453	214,992
Combined Heat and Power, Commercial	132	111	73	96	97	91	82	70
Combined Heat and Power, Industrial.....	6,443	4,407	5,891	5,524	5,359	4,834	4,881	4,575
Industrial and Commercial Generation Subtotal	6,576	4,517	5,965	5,621	5,456	4,925	4,963	4,645
Total Net Generation	189,629	203,353	212,610	218,118	220,256	223,752	225,416	219,637
Total Supply	189,629	203,353	212,610	218,118	220,256	223,752	225,416	219,637
Disposition								
Retail Sales								
Full Service Providers	187,355	210,474	217,372	218,584	224,977	228,220	231,085	226,173
Facility Direct Retail Sales ¹	-	-	7	-	-	-	-	-
Total Electric Industry Retail Sales	187,355	210,474	217,379	218,584	224,977	228,220	231,085	226,173
Direct Use	7,230	6,816	6,903	6,910	5,346	5,274	5,568	6,756
Estimated Losses	12,688	13,579	12,672^R	15,125^R	16,193^R	17,306	17,115	15,273
Total Disposition	207,272	230,869	236,954^R	240,620^R	246,515^R	250,800	253,767	248,202
Net Interstate Trade ²	-17,643	-27,517	-24,344^R	-22,502^R	-26,259^R	-27,048	-28,351	-28,565
Net Trade Index (ratio) ³	0.91	0.88	0.90	0.91	0.89	0.89	0.89	0.88

¹ Facility Direct Retail Sales are electricity sales from non utility power producers which reported electricity sales to a retail customer.

² Net Interstate Trade is the difference between Total Supply and Total Disposition.

³ Net Trade Index is the ratio of Total Supply to Total Disposition.

R = Revised.

- (dash) = Data not available.

Notes: Totals may not equal sum of components because of independent rounding. 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. 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.

Sources: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms. U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry 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.

Table 1. 2008 Summary Statistics

Item	Value	U.S. Rank
Georgia		
NERC Region(s).....		SERC
Primary Energy Source.....		Coal
Net Summer Capacity (megawatts)	36,456	7
Electric Utilities.....	26,462	3
Independent Power Producers & Combined Heat and Power.....	9,994	11
Net Generation (megawatthours).....	136,173,395	9
Electric Utilities.....	126,031,263	3
Independent Power Producers & Combined Heat and Power.....	10,142,132	30
Emissions (thousand metric tons)		
Sulfur Dioxide	536	4
Nitrogen Oxide	119	8
Carbon Dioxide.....	89,500	8
Sulfur Dioxide (lbs/MWh)	8.7	5
Nitrogen Oxide (lbs/MWh)	1.9	26
Carbon Dioxide (lbs/MWh).....	1,449	22
Total Retail Sales (megawatthours)	135,173,514	8
Full Service Provider Sales (megawatthours)	135,173,514	6
Direct Use (megawatthours)	5,893,889	6
Average Retail Price (cents/kWh).....	8.84	25

MWh = Megawatthours.

kWh = Kilowatthours.

Sources: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 2. Ten Largest Plants by Generating Capacity, 2008

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	3,253
3. Vogtle	Nuclear	Georgia Power Co	2,302
4. Wansley	Coal	Georgia Power Co	1,801
5. Edwin I Hatch.....	Nuclear	Georgia Power Co	1,759
6. Harlee Branch.....	Coal	Georgia Power Co	1,607
7. Yates	Coal	Georgia Power Co	1,286
8. Murray Energy Facility	Gas	Duke Energy Generation Services	1,250
9. McIntosh Combined Cycle Facility.....	Gas	Georgia Power Co	1,184
10. Wansley Combined Cycle	Gas	Southern Power Co	1,129

MW = Megawatt.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2008
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
1. Georgia Power Co	Investor-Owned	84,304,394	26,412,131	33,547,121	24,163,566	181,576
2. Jackson Electric Member Corp	Cooperative	4,922,893	2,838,692	1,455,249	628,952	-
3. Cobb Electric Membership Corp.....	Cooperative	3,887,654	2,431,224	1,194,962	261,468	-
4. Sawnee Electric Membership Corporation.....	Cooperative	3,063,620	2,019,687	828,226	215,707	-
5. GreyStone Power Corporation	Cooperative	2,648,723	1,559,437	593,966	495,320	-
Total Sales, Top Five Providers		98,827,284	35,261,171	37,619,524	25,765,013	181,576
Percent of Total State Sales		73	63	80	79	100

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatts)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Electric Utilities.....	23,390	25,821	24,804	25,404	26,538	26,542	26,432	26,462	93.2	72.6
Coal.....	13,540	13,498	13,331	13,215	13,192	13,192	13,192	13,129	54.0	36.0
Petroleum.....	1,172	1,145	1,055	991	991	991	973	991	4.7	2.7
Natural Gas.....	1,273	3,386	2,827	3,470	4,618	4,609	4,577	4,577	5.1	12.6
Nuclear.....	3,947	4,023	4,040	4,053	4,060	4,060	3,995	4,061	15.7	11.1
Hydroelectric	2,335	2,316	2,097	2,000	2,003	2,016	2,020	2,030	9.3	5.6
Pumped Storage.....	1,124	1,454	1,454	1,675	1,675	1,675	1,675	1,675	4.5	4.6
Independent Power Producers and Combined Heat and Power	1,695	8,780	10,011	9,934	9,993	9,957	10,041	9,994	6.8	27.4
Coal.....	51	317	317	273	273	245	83	126	0.2	0.3
Petroleum.....	192	253	307	262	1,195	1,192	1,197	1,197	0.8	3.3
Natural Gas.....	692	7,798	8,977	8,883	8,015	8,010	8,075	8,058	2.8	22.1
Hydroelectric	12	10	11	11	11	11	11	11	*	*
Other Renewables.....	748	402	399	506	499	499	675	601	3.0	1.6
Total Electric Industry.....	25,085	34,601	34,815	35,338	36,531	36,499	36,472	36,456	100.0	100.0
Coal.....	13,591	13,815	13,648	13,488	13,465	13,438	13,275	13,256	54.2	36.4
Petroleum.....	1,364	1,397	1,361	1,252	2,185	2,182	2,169	2,187	5.4	6.0
Natural Gas.....	1,966	11,184	11,804	12,353	12,633	12,618	12,652	12,635	7.8	34.7
Nuclear.....	3,947	4,023	4,040	4,053	4,060	4,060	3,995	4,061	15.7	11.1
Hydroelectric	2,347	2,325	2,109	2,012	2,014	2,027	2,032	2,041	9.4	5.6
Other Renewables.....	748	402	399	506	499	499	675	601	3.0	1.6
Pumped Storage.....	1,124	1,454	1,454	1,675	1,675	1,675	1,675	1,675	4.5	4.6

* = 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 *).

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatthours)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Georgia										
Electric Utilities.....	108,716,930	111,855,967	115,755,114	117,918,895	126,444,777	127,367,613	132,831,987	126,031,263	94.3	92.6
Coal.....	69,871,150	77,288,328	77,858,022	79,185,166	86,358,096	85,700,960	89,532,913	84,652,246	60.6	62.2
Petroleum.....	670,924	233,940	278,618	156,672	189,819	86,798	82,380	67,971	0.6	*
Natural Gas.....	1,768,783	1,189,392	890,600	2,044,196	4,567,674	7,430,266	8,777,568	7,656,500	1.5	5.6
Nuclear.....	31,380,401	31,107,735	33,256,649	33,747,705	31,534,259	32,005,810	32,544,998	31,691,095	27.2	23.3
Hydroelectric.....	5,198,370	2,684,740	4,107,318	3,663,002	4,004,150	2,544,122	2,215,776	2,120,372	4.5	1.6
Pumped Storage.....	-172,698	-648,168	-636,093	-877,846	-209,221	-400,343	-321,649	-156,922	-0.1	-0.1
Independent Power Producers and Combined Heat and Power.....	6,606,776	14,656,248	8,321,720	8,893,820	10,223,115	10,642,595	12,323,171	10,142,132	5.7	7.4
Coal.....	1,006,902	1,539,796	780,467	757,797	824,163	803,026	764,616	839,011	0.9	0.6
Petroleum.....	900,267	970,625	915,441	789,856	843,273	747,427	705,847	673,590	0.8	0.5
Natural Gas.....	1,524,357	5,699,758	3,386,391	4,085,456	5,203,360	5,530,332	7,301,376	5,771,911	1.3	4.2
Hydroelectric.....	36,151	30,982	32,952	29,394	27,903	24,715	20,412	24,246	*	*
Other Renewables.....	3,132,418	6,381,435	3,173,273	3,191,739	3,271,888	3,418,918	3,415,422	2,781,970	2.7	2.0
Other.....	6,681	33,652	33,196	39,577	52,527	118,176	115,499	51,404	*	*
Total Electric Industry.....	115,323,706	126,512,215	124,076,834	126,812,715	136,667,892	138,010,208	145,155,158	136,173,395	100.0	100.0
Coal.....	70,878,052	78,828,124	78,638,489	79,942,963	87,182,259	86,503,986	90,297,529	85,491,258	61.5	62.8
Petroleum.....	1,571,191	1,204,565	1,194,059	946,528	1,033,092	834,225	788,227	741,561	1.4	0.5
Natural Gas.....	3,293,140	6,889,150	4,276,991	6,129,652	9,771,034	12,960,598	16,078,944	13,428,411	2.9	9.9
Nuclear.....	31,380,401	31,107,735	33,256,649	33,747,705	31,534,259	32,005,810	32,544,998	31,691,095	27.2	23.3
Hydroelectric.....	5,234,521	2,715,722	4,140,270	3,692,396	4,032,053	2,568,837	2,236,188	2,144,618	4.5	1.6
Other Renewables.....	3,132,418	6,381,435	3,173,273	3,191,739	3,271,888	3,418,918	3,415,422	2,781,970	2.7	2.0
Pumped Storage.....	-172,698	-648,168	-636,093	-877,846	-209,221	-400,343	-321,649	-156,922	-0.1	-0.1
Other.....	6,681	33,652	33,196	39,577	52,527	118,176	115,499	51,404	*	*

* = 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 *).

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1998 and 2002 Through 2008

Fuel, Quality	1998	2002	2003	2004	2005	2006	2007	2008
Georgia								
Coal (cents per million Btu)	155	W	172	180	218	W	261	307
Average heat value (Btu per pound).....	11,750	11,686	11,668	11,024	11,058	10,994	10,983	10,947
Average sulfur Content (percent)	0.85	0.79	0.82	0.78	0.81	0.82	0.78	0.78
Petroleum (cents per million Btu) ¹	328	549	268	289	433	W	537	838
Average heat value (Btu per gallon).....	138,495	138,348	134,648	136,533	141,855	135,864	141,493	138,081
Average sulfur Content (percent)	0.50	0.40	4.35	4.22	3.63	4.59	4.36	3.38
Natural Gas (cents per million Btu).....	316	362	572	665	1,027	710	727	996
Average heat value (Btu per cubic foot).....	1,028	1,031	1,035	1,031	1,036	1,038	1,040	1,035

¹ Petroleum includes petroleum liquids and petroleum coke.

Btu = British thermal unit.

W = Withheld to avoid disclosure of individual company data.

Note: Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. There may be a notable increase in fuel receipts beginning with 2008. For more information, please see the Technical Notes in the Electric Power Annual.

Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report." Federal Energy Regulatory Commission, FERC Form 423, "Monthly Cost and Quality of Fuels for Electric Plants." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 7. Electric Power Industry Emissions Estimates, 1998 and 2002 Through 2008 (Thousand Metric Tons)

Emission Type	1998	2002	2003	2004	2005	2006	2007	2008
Georgia								
Sulfur Dioxide								
Coal	497	495	517	524	583	619	617	481
Petroleum	40	36	42	33	35	37	36	29
Natural Gas	*	*	*	*	*	*	*	*
Other Renewables	34 ^R	31	27	27	27	29	28	25
Other	*	*	*	*	*	*	*	*
Total	570	563	586	584	646	685	682	536
Nitrogen Oxide								
Coal	164	138	101	97	107	109	104	100
Petroleum	8	5	6	4	4	4	4	4
Natural Gas	5	6	4	3	4	5	6	5
Other Renewables	13 ^R	11	10	10	10	12	11	10
Other	*	*	*	*	*	*	*	*
Total	190	159	120	115	126	130	125	119
Carbon Dioxide								
Coal	71,169 ^R	76,040 ^R	75,390 ^R	77,458 ^R	83,525 ^R	82,794 ^R	86,817 ^R	82,361
Petroleum	3,019 ^R	2,505 ^R	2,346 ^R	1,987 ^R	2,025 ^R	1,602 ^R	1,538 ^R	1,309
Natural Gas	2,759 ^R	3,818 ^R	2,188 ^R	2,931 ^R	4,396 ^R	5,715 ^R	7,181 ^R	5,685
Other Renewables	62 ^R	-	-	-	-	-	-	-
Other	42 ^R	159 ^R	161 ^R	150 ^R	187 ^R	666 ^R	639 ^R	145
Total	77,051 ^R	82,522 ^R	80,084 ^R	82,525 ^R	90,133 ^R	90,777 ^R	96,175 ^R	89,500

R = Revised.

* = 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 *).

- (dash) = Data not available.

Source: Calculations made by the Electric Power Division, U. S. Energy Information Administration.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1998 and 2002 Through 2008

Sector	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Georgia										
Retail Sales (thousand megawatthours)										
Residential	41,519	48,600	48,174	51,124	52,827	54,521	56,223	55,587	37.5	41.1
Commercial	32,766	38,887	40,554	42,316	44,663	45,547	46,997	46,876	29.6	34.7
Industrial	35,077	34,603	34,768	35,846	34,602	34,588	34,054	32,529	31.7	24.1
Other	1,358	1,699	NA	NA	NA	NA	NA	NA	1.2	--
Transportation.....	NA	NA	180	180	174	179	179	182	--	0.1
All Sectors	110,720	123,789	123,677	129,466	132,265	134,834	137,454	135,174	100.0	100.0
Retail Revenue (million dollars).....										
Residential	3,185	3,706	3,711	4,016	4,565	4,858	5,114	5,517	44.9	46.2
Commercial	2,297	2,513	2,699	2,912	3,428	3,559	3,791	4,250	32.4	35.6
Industrial	1,483	1,366	1,397	1,587	1,827	1,861	1,884	2,170	20.9	18.2
Other	122	141	NA	NA	NA	NA	NA	NA	1.7	--
Transportation.....	NA	NA	9	9	10	11	12	13	--	0.1
All Sectors	7,087	7,726	7,816	8,525	9,830	10,288	10,800	11,951	100.0	100.0
Average Retail Prices (cents/kWh)										
Residential	7.67	7.63	7.70	7.86	8.64	8.91	9.10	9.93	--	--
Commercial	7.01	6.46	6.66	6.88	7.67	7.81	8.07	9.07	--	--
Industrial	4.23	3.95	4.02	4.43	5.28	5.38	5.53	6.67	--	--
Other	8.99	8.31	NA	NA	NA	NA	NA	NA	--	--
Transportation.....	NA	NA	4.81	5.12	5.90	6.12	6.42	7.15	--	--
All Sectors	6.40	6.24	6.32	6.58	7.43	7.63	7.86	8.84	--	--

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 9. Retail Electricity Sales Statistics, 2008

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Georgia								
Number of Entities.....	1	53	NA	43	NA	NA	NA	97
Number of Retail Customers	2,346,766	339,747	NA	1,907,686	NA	NA	NA	4,594,199
Retail Sales (thousand megawatthours).....	84,304	11,804	NA	39,065	NA	NA	NA	135,174
Percentage of Retail Sales	62.37	8.73	--	28.90	--	--	--	100.00
Revenue from Retail Sales (million dollars)	7,417	916	NA	3,618	NA	NA	NA	11,951
Percentage of Revenue	62.06	7.67	--	30.27	--	--	--	100.00
Average Retail Price (cents/kWh).....	8.80	7.76	NA	9.26	NA	NA	NA	8.84

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Totals may not equal sum of components because of independent rounding. 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.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 10. Supply and Disposition of Electricity, 1998 and 2002 Through 2008
(Million Kilowatthours)

Category	1998	2002	2003	2004	2005	2006	2007	2008
Georgia								
Supply								
Generation								
Electric Utilities	108,717	111,856	115,755	117,919	126,445	127,368	132,832	126,031
Independent Power Producers	407	4,894	3,031	3,861	4,913	5,164	6,843	5,431
Combined Heat and Power, Electric	792	388	207	33	141	178	274	114
Electric Power Sector Generation Subtotal	109,915	117,138	118,993	121,813	131,499	132,709	139,949	131,576
Combined Heat and Power, Commercial	18	3	3	3	10	4	4	2
Combined Heat and Power, Industrial.....	5,391	9,372	5,081	4,997	5,159	5,297	5,202	4,596
Industrial and Commercial Generation Subtotal	5,408	9,374	5,084	5,000	5,169	5,301	5,206	4,598
Total Net Generation	115,324	126,512	124,077	126,813	136,668	138,010	145,155	136,173
Total Supply	115,324	126,512	124,077	126,813	136,668	138,010	145,155	136,173
Disposition								
Retail Sales								
Full Service Providers	110,720	123,789	123,677	129,466	132,265	134,834	137,454	135,174
Total Electric Industry Retail Sales	110,720	123,789	123,677	129,466	132,265	134,834	137,454	135,174
Direct Use	5,423	5,487	5,557	5,563	5,092	5,421	6,764	5,894
Estimated Losses.....	7,498	25,102	14,178 ^R	20,462 ^R	11,283 ^R	9,251	10,961	11,675
Total Disposition	123,641	154,378	143,412^R	155,491^R	148,641^R	149,507	155,179	152,742
Net Interstate Trade ¹	-8,317	-27,866	-19,335^R	-28,678^R	-11,973^R	-11,496	-10,024	-16,569
Net Trade Index (ratio) ²	0.93	0.82	0.87	0.82	0.92	0.92	0.94	0.89

¹ Net Interstate Trade is the difference between Total Supply and Total Disposition.

² Net Trade Index is the ratio of Total Supply to Total Disposition.

R = Revised.

Notes: Totals may not equal sum of components because of independent rounding. 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. 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.

Sources: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms. U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry 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.

Table 1. 2008 Summary Statistics

Item	Value	U.S. Rank
Hawaii		
NERC Region(s).....		--
Primary Energy Source.....		Petroleum
Net Summer Capacity (megawatts)	2,437	47
Electric Utilities.....	1,730	40
Independent Power Producers & Combined Heat and Power.....	707	44
Net Generation (megawatthours).....	11,376,385	45
Electric Utilities.....	6,700,636	38
Independent Power Producers & Combined Heat and Power.....	4,675,749	38
Emissions (thousand metric tons)		
Sulfur Dioxide	21	39
Nitrogen Oxide.....	22	36
Carbon Dioxide.....	9,046	42
Sulfur Dioxide (lbs/MWh)	4.1	20
Nitrogen Oxide (lbs/MWh)	4.2	4
Carbon Dioxide (lbs/MWh).....	1,753	13
Total Retail Sales (megawatthours)	10,390,279	48
Full Service Provider Sales (megawatthours)	10,390,279	44
Direct Use (megawatthours)	395,634	39
Average Retail Price (cents/kWh).....	29.20	1

There is no NERC Region for Hawaii. This is shown as "--" in the table.

MWh = Megawatthours.

kWh = Kilowatthours.

-- = Not applicable.

Sources: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 2. Ten Largest Plants by Generating Capacity, 2008

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
Hawaii			
1. Kahe.....	Petroleum	Hawaiian Electric Co Inc	582
2. Waiiau.....	Petroleum	Hawaiian Electric Co Inc	457
3. Kalaeola Cogen Plant	Petroleum	Kalaeola 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	90
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

MW = Megawatt.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2008
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
Hawaii						
1. Hawaiian Electric Co Inc.....	Investor-Owned	7,555,962	2,048,728	2,515,157	2,992,077	-
2. Maui Electric Co Ltd.....	Investor-Owned	1,239,228	434,562	405,663	399,003	-
3. Hawaii Electric Light Co Inc.....	Investor-Owned	1,141,030	441,414	457,757	241,859	-
4. Kauai Island Utility Cooperative.....	Cooperative	453,791	160,479	121,962	171,350	-
5. Gay & Robinson Inc.....	Facility	268	54	214	-	-
Total Sales, Top Five Providers.....		10,390,279	3,085,237	3,500,753	3,804,289	-
Percent of Total State Sales.....		100	100	100	100	-

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatts)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Hawaii										
Electric Utilities.....	1,616	1,622	1,624	1,691	1,705	1,730	1,730	1,730	68.9	71.0
Petroleum.....	1,612	1,618	1,620	1,687	1,699	1,724	1,724	1,724	68.8	70.7
Hydroelectric.....	4	2	2	2	4	4	4	4	0.2	0.2
Other Renewables.....	-	2	2	2	2	2	2	2	-	0.1
Independent Power Producers and Combined Heat and Power.....	728	645	644	620	653	684	705	707	31.1	29.0
Coal.....	213	202	202	180	180	180	180	180	9.1	7.4
Petroleum.....	275	264	262	262	296	296	296	296	11.7	12.1
Other Gases.....	8	9	9	9	9	9	9	9	0.3	0.4
Hydroelectric.....	25	22	21	21	20	20	20	20	1.1	0.8
Other Renewables.....	207	148	150	149	149	180	201	202	8.8	8.3
Total Electric Industry.....	2,344	2,267	2,268	2,311	2,358	2,414	2,436	2,437	100.0	100.0
Coal.....	213	202	202	180	180	180	180	180	9.1	7.4
Petroleum.....	1,888	1,882	1,882	1,949	1,994	2,019	2,020	2,019	80.5	82.9
Other Gases.....	8	9	9	9	9	9	9	9	0.3	0.4
Hydroelectric.....	28	23	22	22	24	24	24	24	1.2	1.0
Other Renewables.....	207	150	153	151	151	182	203	205	8.8	8.4

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatthours)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Hawaii										
Electric Utilities.....	6,301,169	7,513,051	6,493,205	6,982,469	6,915,159	7,040,473	6,928,397	6,700,636	61.6	58.9
Petroleum.....	6,287,107	7,502,913	6,489,565	6,971,259	6,904,293	7,015,977	6,913,231	6,682,593	61.5	58.7
Hydroelectric	13,750	8,533	2,078	9,724	9,169	23,656	14,729	17,872	0.1	0.2
Other Renewables.....	312	1,605	1,562	1,486	1,697	840	437	171	*	*
Independent Power Producers and Combined Heat and Power.....	3,926,913	4,150,019	4,483,166	4,427,934	4,607,646	4,518,701	4,604,953	4,675,749	38.4	41.1
Coal.....	1,434,868	1,545,797	1,644,137	1,603,751	1,630,918	1,548,595	1,578,931	1,647,592	14.0	14.5
Petroleum.....	1,563,961	1,964,077	2,012,985	1,973,437	2,163,299	2,038,497	2,000,976	1,987,341	15.3	17.5
Other Gases.....	60,443	40,816	40,251	47,908	41,133	42,757	45,226	38,572	0.6	0.3
Hydroelectric	107,523	86,535	88,427	84,177	87,019	96,431	77,614	66,471	1.1	0.6
Other Renewables.....	760,118	369,313	525,469	548,129	536,272	616,802	752,910	776,626	7.4	6.8
Other	-	143,481	171,897	170,532	149,006	175,619	149,295	159,146	-	1.4
Total Electric Industry.....	10,228,082	11,663,070	10,976,371	11,410,403	11,522,805	11,559,174	11,533,350	11,376,385	100.0	100.0
Coal.....	1,434,868	1,545,797	1,644,137	1,603,751	1,630,918	1,548,595	1,578,931	1,647,592	14.0	14.5
Petroleum.....	7,851,068	9,466,990	8,502,550	8,944,696	9,067,592	9,054,474	8,914,207	8,669,934	76.8	76.2
Other Gases.....	60,443	40,816	40,251	47,908	41,133	42,757	45,226	38,572	0.6	0.3
Hydroelectric	121,273	95,068	90,505	93,901	96,188	120,087	92,343	84,343	1.2	0.7
Other Renewables.....	760,430	370,918	527,031	549,615	537,969	617,642	753,347	776,797	7.4	6.8
Other	-	143,481	171,897	170,532	149,006	175,619	149,295	159,146	-	1.4

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1998 and 2002 Through 2008

Fuel, Quality	1998	2002	2003	2004	2005	2006	2007	2008
Hawaii								
Coal (cents per million Btu)	-	W	W	W	W	W	W	W
Average heat value (Btu per pound).....	-	11,536	11,422	11,097	10,975	10,943	10,871	10,669
Average sulfur Content (percent)	-	0.32	0.44	0.49	0.55	0.51	0.47	0.66
Petroleum (cents per million Btu) ¹	261	W	W	W	W	W	W	W
Average heat value (Btu per gallon).....	149,205	139,410	140,581	140,629	135,093	134,674	134,890	143,850
Average sulfur Content (percent)	0.45	0.44	0.42	0.45	0.34	0.33	0.34	0.36

¹ Petroleum includes petroleum liquids and petroleum coke.

Btu = British thermal unit.

W = Withheld to avoid disclosure of individual company data.

- (dash) = Data not available.

Note: Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. There may be a notable increase in fuel receipts beginning with 2008. For more information, please see the Technical Notes in the Electric Power Annual.

Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report." Federal Energy Regulatory Commission, FERC Form 423, "Monthly Cost and Quality of Fuels for Electric Plants." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 7. Electric Power Industry Emissions Estimates, 1998 and 2002 Through 2008
(Thousand Metric Tons)

Emission Type	1998	2002	2003	2004	2005	2006	2007	2008
Hawaii								
Sulfur Dioxide								
Coal.....	4	2	1	1	1	1	1	2
Petroleum.....	42	20	21	22	20	21	21	20
Other Renewables.....	*	*	*	*	*	*	*	*
Other.....	*	*	*	*	*	*	*	*
Total.....	46	23	23	24	21	22	22	21
Nitrogen Oxide								
Coal.....	4	3	1	1	1	1	1	1
Petroleum.....	21	28	25	26 ^R	27	27	21	19
Other Gases.....	*	*	*	*	*	*	*	*
Other Renewables.....	2 ^R	1	1	1	1	1	1	1
Other.....	*	*	*	*	*	*	*	*
Total.....	28	32	28	29	30	29	23	22
Carbon Dioxide								
Coal.....	1,493 ^R	1,612 ^R	1,717 ^R	1,728 ^R	1,591 ^R	1,528 ^R	1,603 ^R	1,662
Petroleum.....	6,643 ^R	7,537 ^R	6,806 ^R	7,245 ^R	7,341 ^R	7,379 ^R	7,228 ^R	7,139
Geothermal.....	6	2	5	5	6	5	6	6
Other Renewables.....	212 ^R	-	-	-	-	-	-	-
Other.....	7 ^R	185 ^R	211 ^R	213 ^R	184 ^R	215 ^R	187 ^R	238
Total.....	8,361 ^R	9,337 ^R	8,739 ^R	9,192 ^R	9,122 ^R	9,128 ^R	9,024 ^R	9,046

R = Revised.

* = 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 *).

- (dash) = Data not available.

Source: Calculations made by the Electric Power Division, U. S. Energy Information Administration.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1998 and 2002 Through 2008

Sector	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Hawaii										
Retail Sales (thousand megawatthours)										
Residential	2,641	2,898	3,028	3,162	3,164	3,182	3,201	3,085	28.5	29.7
Commercial	2,776	3,168	3,517	3,632	3,463	3,490	3,520	3,501	30.0	33.7
Industrial	3,787	3,770	3,846	3,937	3,912	3,896	3,864	3,804	40.9	36.6
Other	57	55	NA	NA	NA	NA	NA	NA	0.6	--
All Sectors	9,261	9,892	10,391	10,732	10,539	10,568	10,585	10,390	100.0	100.0
Retail Revenue (million dollars)										
Residential	365	453	507	571	655	743	772	1,003	34.1	33.0
Commercial	342	447	528	588	659	748	771	1,040	31.9	34.3
Industrial	357	415	469	526	618	700	710	991	33.3	32.7
Other	7	9	NA	NA	NA	NA	NA	NA	0.7	--
All Sectors	1,070	1,325	1,504	1,685	1,932	2,190	2,253	3,034	100.0	100.0
Average Retail Prices (cents/kWh)										
Residential	13.82	15.63	16.73	18.06	20.70	23.35	24.12	32.50	--	--
Commercial	12.31	14.11	15.02	16.19	19.04	21.42	21.91	29.72	--	--
Industrial	9.41	11.02	12.20	13.35	15.79	17.96	18.38	26.05	--	--
Other	12.28	16.85	NA	NA	NA	NA	NA	NA	--	--
All Sectors	11.56	13.39	14.47	15.70	18.33	20.72	21.29	29.20	--	--

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 9. Retail Electricity Sales Statistics, 2008

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Hawaii								
Number of Entities	3	NA	NA	1	1	NA	NA	5
Number of Retail Customers	439,920	NA	NA	32,092	13	NA	NA	472,025
Retail Sales (thousand megawatthours)	9,936	NA	NA	454	*	NA	NA	10,390
Percentage of Retail Sales	95.63	--	--	4.37	*	--	--	100.00
Revenue from Retail Sales (million dollars)	2,844	NA	NA	189	*	NA	NA	3,034
Percentage of Revenue	93.75	--	--	6.24	*	--	--	100.00
Average Retail Price (cents/kWh)	28.63	NA	NA	41.75	25.37	NA	NA	29.20

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

* = 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 *).

Notes: Totals may not equal sum of components because of independent rounding. 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.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 10. Supply and Disposition of Electricity, 1998 and 2002 Through 2008
(Million Kilowatthours)

Category	1998	2002	2003	2004	2005	2006	2007	2008
Hawaii								
Supply								
Generation								
Electric Utilities	6,301	7,513	6,493	6,982	6,915	7,040	6,928	6,701
Independent Power Producers	647	400	551	267	280	349	508	901
Combined Heat and Power, Electric	2,790	3,289	3,640	3,568	3,769	3,566	3,525	3,190
Electric Power Sector Generation Subtotal	9,738	11,202	10,685	10,818	10,964	10,956	10,961	10,792
Combined Heat and Power, Commercial	-	-	-	325	293	339	304	330
Combined Heat and Power, Industrial	490	461	292	267	266	264	268	255
Industrial and Commercial Generation Subtotal	490	461	292	593	559	603	573	584
Total Net Generation	10,228	11,663	10,976	11,410	11,523	11,559	11,533	11,376
Total Supply	10,228	11,663	10,976	11,410	11,523	11,559	11,533	11,376
Disposition								
Retail Sales								
Full Service Providers	9,261	9,892	10,206	10,510	10,539	10,568	10,585	10,390
Facility Direct Retail Sales ¹	-	-	184	221	*	-	*	*
Total Electric Industry Retail Sales	9,261	9,892	10,391	10,732	10,539	10,568	10,585	10,390
Direct Use	432	474	480	481	398	365	342	396
Estimated Losses	627	517	460	524^R	643	681	672	603
Total Disposition	10,320	10,883	11,331	11,736^R	11,580	11,614	11,600	11,389
Net Interstate Trade ²	-92	780	-355	-325	-57	-55	-66	-12
Net Trade Index (ratio) ³	0.99	1.07	0.97	0.97	1.00	1.00	0.99	1.00

¹ Facility Direct Retail Sales are electricity sales from non utility power producers which reported electricity sales to a retail customer.

² Net Interstate Trade is the difference between Total Supply and Total Disposition.

³ Net Trade Index is the ratio of Total Supply to Total Disposition.

R = Revised.

* = 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 *).

- (dash) = Data not available.

Notes: Totals may not equal sum of components because of independent rounding. 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. 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.

Sources: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms. U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry 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.

Table 1. 2008 Summary Statistics

Item	Value	U.S. Rank
Idaho		
NERC Region(s).....		WECC
Primary Energy Source.....		Hydroelectric
Net Summer Capacity (megawatts)	3,378	44
Electric Utilities.....	2,686	37
Independent Power Producers & Combined Heat and Power.....	692	46
Net Generation (megawatthours).....	11,970,553	44
Electric Utilities.....	8,893,983	35
Independent Power Producers & Combined Heat and Power.....	3,076,570	40
Emissions (thousand metric tons)		
Sulfur Dioxide	6	45
Nitrogen Oxide	3	49
Carbon Dioxide.....	1,015	49
Sulfur Dioxide (lbs/MWh)	1.2	41
Nitrogen Oxide (lbs/MWh)	0.6	47
Carbon Dioxide (lbs/MWh).....	187	50
Total Retail Sales (megawatthours).....	23,901,490	38
Full Service Provider Sales (megawatthours)	23,901,490	37
Direct Use (megawatthours)	613,043	36
Average Retail Price (cents/kWh).....	5.69	49

MWh = Megawatthours.

kWh = Kilowatthours.

Sources: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 2. Ten Largest Plants by Generating Capacity, 2008

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	255
4. Rathdrum Power LLC	Gas	Rathdrum Operating Services Co., Inc.	248
5. Evander Andrews Power Complex	Gas	Idaho Power Co	240
6. Palisades	Hydroelectric	U S Bureau of Reclamation	176
7. Bennett Mountain	Gas	Idaho Power Co	164
8. Rathdrum	Gas	Avista Corp	132
9. C J Strike	Hydroelectric	Idaho Power Co	89
10. Lucky Peak Power Plant Project	Hydroelectric	Boise-Kuna Irrigation District	83

MW = Megawatt.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2008
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
Idaho						
1. Idaho Power Co	Investor-Owned	13,873,648	5,093,472	3,820,474	4,959,702	-
2. Avista Corp.....	Investor-Owned	3,502,520	1,229,004	1,031,269	1,242,247	-
3. PacifiCorp.....	Investor-Owned	3,390,924	727,371	400,914	2,262,639	-
4. Idaho Falls City of.....	Public	666,885	303,549	265,435	97,901	-
5. Kootenai Electric Coop Inc	Cooperative	405,789	283,111	100,048	22,630	-
Total Sales, Top Five Providers		21,839,766	7,636,507	5,618,140	8,585,119	-
Percent of Total State Sales		91	89	93	92	-

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatts)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Idaho										
Electric Utilities.....	2,576	2,690	2,439	2,394	2,558	2,558	2,547	2,686	85.6	79.5
Petroleum.....	6	5	5	5	5	5	5	5	0.2	0.2
Natural Gas.....	136	212	212	212	376	376	376	536	4.5	15.9
Hydroelectric	2,435	2,472	2,221	2,176	2,176	2,176	2,166	2,144	80.9	63.5
Independent Power Producers and Combined Heat and Power	433	574	563	592	602	652	649	692	14.4	20.5
Coal.....	18	16	17	17	17	17	17	17	0.6	0.5
Natural Gas.....	18	269	269	269	269	269	269	269	0.6	8.0
Hydroelectric	252	193	193	214	214	201	202	202	8.4	6.0
Other Renewables.....	130	81	70	77	88	150	146	189	4.3	5.6
Other	15	15	15	15	15	15	15	15	0.5	0.4
Total Electric Industry.....	3,009	3,264	3,002	2,986	3,160	3,210	3,196	3,378	100.0	100.0
Coal.....	18	16	17	17	17	17	17	17	0.6	0.5
Petroleum.....	6	5	5	5	5	5	5	5	0.2	0.2
Natural Gas.....	154	481	481	481	645	645	645	805	5.1	23.8
Hydroelectric	2,686	2,665	2,414	2,391	2,390	2,378	2,367	2,346	89.3	69.5
Other Renewables.....	130	81	70	77	88	150	146	189	4.3	5.6
Other	15	15	15	15	15	15	15	15	0.5	0.4

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatthours)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Idaho										
Electric Utilities.....	11,978,079	8,164,140	7,732,812	7,765,655	8,032,438	10,495,090	8,611,890	8,893,983	86.1	74.3
Petroleum.....	253	65	116	136	5	144	134	120	*	*
Natural Gas.....	-	76,168	61,229	27,775	73,353	94,504	240,504	230,189	-	1.9
Hydroelectric.....	11,977,826	8,087,907	7,671,467	7,737,744	7,959,080	10,400,442	8,371,252	8,663,674	86.1	72.4
Independent Power Producers and Combined Heat and Power.....	1,930,594	1,622,793	2,690,124	3,097,384	2,792,546	2,890,995	2,872,201	3,076,570	13.9	25.7
Coal.....	48,120	90,673	90,290	99,203	95,181	82,302	83,564	90,449	0.3	0.8
Petroleum.....	372	-	-	-	-	-	-	-	*	-
Natural Gas.....	337,152	252,820	1,313,591	1,676,048	1,523,927	1,203,891	1,416,751	1,469,364	2.4	12.3
Hydroelectric.....	957,724	681,414	682,567	723,911	583,041	841,930	650,438	698,827	6.9	5.8
Other Renewables.....	503,712	508,303	540,953	560,280	559,631	689,957	652,849	748,412	3.6	6.3
Other.....	83,514	89,583	62,722	37,942	30,766	72,916	68,599	69,517	0.6	0.6
Total Electric Industry.....	13,908,673	9,786,933	10,422,936	10,863,039	10,824,984	13,386,085	11,484,091	11,970,553	100.0	100.0
Coal.....	48,120	90,673	90,290	99,203	95,181	82,302	83,564	90,449	0.3	0.8
Petroleum.....	625	65	116	136	5	144	134	120	*	*
Natural Gas.....	337,152	328,988	1,374,820	1,703,823	1,597,280	1,298,395	1,657,255	1,699,553	2.4	14.2
Hydroelectric.....	12,935,550	8,769,321	8,354,034	8,461,655	8,542,121	11,242,372	9,021,690	9,362,501	93.0	78.2
Other Renewables.....	503,712	508,303	540,953	560,280	559,631	689,957	652,849	748,412	3.6	6.3
Other.....	83,514	89,583	62,722	37,942	30,766	72,916	68,599	69,517	0.6	0.6

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1998 and 2002 Through 2008

Fuel, Quality	1998	2002	2003	2004	2005	2006	2007	2008
Coal (cents per million Btu)	-	-	-	-	-	-	-	W
Average heat value (Btu per pound).....	-	-	-	-	-	-	-	9,947
Average sulfur Content (percent)	-	-	-	-	-	-	-	0.85
Petroleum (cents per million Btu) ¹	-	-	-	-	-	-	-	NM
Average heat value (Btu per gallon).....	-	-	-	-	-	-	-	NM
Average sulfur Content (percent)	-	-	-	-	-	-	-	NM
Natural Gas (cents per million Btu).....	-	W	W	W	W	W	W	W
Average heat value (Btu per cubic foot).....	-	1,020	1,018	1,024	1,015	1,021	1,024	1,017

¹ Petroleum includes petroleum liquids and petroleum coke.

Btu = British thermal unit.

NM = Not meaningful due to large relative standard error. Please see Technical Notes and Appendix tables published in the Cost and Quality of Fuels.

W = Withheld to avoid disclosure of individual company data.

- (dash) = Data not available.

Note: Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. There may be a notable increase in fuel receipts beginning with 2008. For more information, please see the Technical Notes in the Electric Power Annual.

Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report." Federal Energy Regulatory Commission, FERC Form 423, "Monthly Cost and Quality of Fuels for Electric Plants." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 7. Electric Power Industry Emissions Estimates, 1998 and 2002 Through 2008
(Thousand Metric Tons)

Emission Type	1998	2002	2003	2004	2005	2006	2007	2008
Sulfur Dioxide								
Coal.....	3	3	3	4	2	2	4	3
Petroleum.....	*	*	-	-	-	-	-	-
Natural Gas	*	*	*	*	*	*	*	*
Other Renewables.....	3	3	3	3	3	3	3	3
Other	*	-	-	-	-	-	-	-
Total	7	6	6	7	5	5	7	6
Nitrogen Oxide								
Coal.....	1	2	2	2	1	1	2	2
Petroleum.....	*	*	*	*	*	*	*	*
Natural Gas	1	1	1	1	1	*	*	*
Other Renewables.....	1	1	1	1	1	1	1	1
Other	*	*	*	*	*	*	*	-
Total	4	3	3	4	2	2	4	3
Carbon Dioxide								
Coal.....	402 ^R	464 ^R	503 ^R	489 ^R	498 ^R	280 ^R	491 ^R	256
Petroleum.....	1 ^R	*	*	*	*	*	*	*
Natural Gas	530 ^R	308 ^R	609 ^R	818 ^R	845 ^R	601 ^R	792 ^R	757
Geothermal	-	-	-	-	-	-	-	2
Other	*	-	-	-	-	-	-	-
Total	934 ^R	773 ^R	1,112 ^R	1,306 ^R	1,343 ^R	881 ^R	1,283 ^R	1,015

R = Revised.

* = 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 *).

- (dash) = Data not available.

Source: Calculations made by the Electric Power Division, U. S. Energy Information Administration.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1998 and 2002 Through 2008

Sector	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Idaho										
Retail Sales (thousand megawatthours)										
Residential	6,610	7,056	7,090	7,314	7,601	8,057	8,339	8,540	29.9	35.7
Commercial	6,005	6,963	5,466	5,484	5,615	5,813	6,015	6,049	27.2	25.3
Industrial	9,193	6,352	8,663	9,011	8,636	8,891	9,401	9,313	41.6	39.0
Other	268	329	NA	NA	NA	NA	NA	NA	1.2	--
All Sectors	22,077	20,700	21,219	21,809	21,853	22,762	23,755	23,901	100.0	100.0
Retail Revenue (million dollars)										
Residential	349	465	443	446	478	500	530	597	39.2	43.9
Commercial	261	398	304	294	304	300	309	346	29.3	25.4
Industrial	269	276	360	344	337	321	364	418	30.2	30.7
Other	12	17	NA	NA	NA	NA	NA	NA	1.4	--
All Sectors	891	1,156	1,107	1,085	1,120	1,121	1,204	1,361	100.0	100.0
Average Retail Prices (cents/kWh)										
Residential	5.28	6.59	6.24	6.10	6.29	6.21	6.36	6.99	--	--
Commercial	4.34	5.71	5.56	5.37	5.42	5.16	5.14	5.72	--	--
Industrial	2.77	4.34	4.16	3.82	3.91	3.61	3.87	4.48	--	--
Other	4.59	5.18	NA	NA	NA	NA	NA	NA	--	--
All Sectors	4.02	5.58	5.22	4.97	5.12	4.92	5.07	5.69	--	--

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 9. Retail Electricity Sales Statistics, 2008

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Idaho								
Number of Entities	3	11	1	16	1	NA	NA	32
Number of Retail Customers	656,466	42,174	1	81,116	1	NA	NA	779,758
Retail Sales (thousand megawatthours)	20,767	1,071	37	2,019	8	NA	NA	23,901
Percentage of Retail Sales	86.89	4.48	0.15	8.45	0.03	--	--	100.00
Revenue from Retail Sales (million dollars)	1,170	63	*	127	*	NA	NA	1,361
Percentage of Revenue	85.96	4.65	*	9.36	0.03	--	--	100.00
Average Retail Price (cents/kWh)	5.63	5.91	0.01	6.31	5.20	NA	NA	5.69

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

* = 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 *).

Notes: Totals may not equal sum of components because of independent rounding. 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.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 10. Supply and Disposition of Electricity, 1998 and 2002 Through 2008
(Million Kilowatthours)

Category	1998	2002	2003	2004	2005	2006	2007	2008
Idaho								
Supply								
Generation								
Electric Utilities	11,978	8,164	7,733	7,766	8,032	10,495	8,612	8,894
Independent Power Producers	958	681	1,788	2,175	1,895	2,042	2,098	2,361
Combined Heat and Power, Electric	215	245	245	248	240	214	177	134
Electric Power Sector Generation Subtotal	13,150	9,090	9,765	10,188	10,167	12,751	10,888	11,389
Combined Heat and Power, Industrial.....	758	697	658	675	658	635	596	581
Industrial and Commercial Generation Subtotal	758	697	658	675	658	635	596	581
Total Net Generation	13,909	9,787	10,423	10,863	10,825	13,386	11,484	11,971
Total International Imports	148	1	2	33	89	40	100	54
Total Supply	14,057	9,788	10,425	10,896	10,914	13,426	11,584	12,025
Disposition								
Retail Sales								
Full Service Providers	21,276	20,700	21,214	21,767	21,853	22,762	23,755	23,893
Energy-Only Providers	801	-	-	41	-	-	-	-
Facility Direct Retail Sales ¹	-	-	5	-	-	-	-	8
Total Electric Industry Retail Sales	22,077	20,700	21,219	21,809	21,853	22,762	23,755	23,901
Direct Use	773	702	710	711	550	605	663	613
Total International Exports	*	1	-	-	-	-	56	89
Estimated Losses	1,495	1,780	1,824^R	1,969^R	1,917	2,073	2,093	2,103
Total Disposition	24,345	23,181	23,753^R	24,489^R	24,320	25,440	26,567	26,706
Net Interstate Trade ²	-10,288	-13,394	-13,328^R	-13,593^R	-13,406	-12,014	-14,983	-14,682
Net Trade Index (ratio) ³	0.58	0.42	0.44	0.44	0.45	0.53	0.44	0.45

¹ Facility Direct Retail Sales are electricity sales from non utility power producers which reported electricity sales to a retail customer.

² Net Interstate Trade is the difference between Total Supply and Total Disposition.

³ Net Trade Index is the ratio of Total Supply to Total Disposition.

R = Revised.

* = 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 *).

- (dash) = Data not available.

Notes: Totals may not equal sum of components because of independent rounding. 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. 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.

Sources: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms. U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry 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.

Table 1. 2008 Summary Statistics

Item	Value	U.S. Rank
Illinois		
NERC Region(s).....		MRO/RFC/SERC
Primary Energy Source.....		Coal
Net Summer Capacity (megawatts)	43,206	5
Electric Utilities.....	4,691	35
Independent Power Producers & Combined Heat and Power.....	38,515	3
Net Generation (megawatthours).....	199,475,178	5
Electric Utilities.....	3,811,235	41
Independent Power Producers & Combined Heat and Power.....	195,663,943	3
Emissions (thousand metric tons)		
Sulfur Dioxide	345	8
Nitrogen Oxide	121	7
Carbon Dioxide.....	105,766	6
Sulfur Dioxide (lbs/MWh)	3.8	24
Nitrogen Oxide (lbs/MWh)	1.3	37
Carbon Dioxide (lbs/MWh).....	1,169	36
Total Retail Sales (megawatthours).....	144,619,914	6
Full Service Provider Sales (megawatthours)	79,498,509	18
Deregulated Sales (megawatthours)	65,121,405	1
Direct Use (megawatthours)	4,993,077	7
Average Retail Price (cents/kWh).....	9.26	20

MWh = Megawatthours.

kWh = Kilowatthours.

Sources: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 2. Ten Largest Plants by Generating Capacity, 2008

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
Illinois			
1. Braidwood Generation Station	Nuclear	Exelon Nuclear	2,330
2. Byron Generating Station	Nuclear	Exelon Nuclear	2,300
3. LaSalle Generating Station	Nuclear	Exelon Nuclear	2,238
4. Baldwin Energy Complex	Coal	Dynegy Midwest Generation Inc	1,764
5. Quad Cities Generating Station	Nuclear	Exelon Nuclear	1,734
5. Dresden Generating Station.....	Nuclear	Exelon Nuclear	1,734
7. Powerton.....	Coal	Midwest Generations EME LLC	1,538
8. Elwood Energy LLC.....	Gas	Dominion Elwood Services Co	1,350
9. Newton.....	Coal	Ameren Energy Generating Co	1,201
10. Kincaid Generation LLC	Coal	Dominion Energy Services Co	1,158

MW = Megawatt.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2008
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
1. Commonwealth Edison Co.....	Investor-Owned	44,948,640	28,389,051	15,512,899	1,046,690	-
2. Constellation NewEnergy, Inc.....	Other Provider	13,733,522	-	4,573,696	9,159,826	-
3. MidAmerican Energy Co.....	Investor-Owned	11,096,130	635,111	4,755,455	5,705,564	-
4. Integrys Energy Services, Inc.....	Other Provider	9,471,018	-	9,471,018	-	-
5. Illinois Power Co.....	Investor-Owned	9,172,464	5,718,176	3,236,263	205,601	12,424
Total Sales, Top Five Providers.....		88,421,774	34,742,338	37,549,331	16,117,681	12,424
Percent of Total State Sales.....		61	74	73	35	2

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatts)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Illinois										
Electric Utilities.....	30,367	4,151	3,007	2,994	3,987	4,742	4,642	4,691	93.5	10.9
Coal.....	14,250	2,862	1,866	1,859	1,844	1,844	1,767	1,833	43.9	4.2
Petroleum.....	1,569	406	368	401	399	399	377	381	4.8	0.9
Natural Gas.....	4,006	871	761	722	1,729	2,485	2,483	2,462	12.3	5.7
Nuclear.....	10,529	-	-	-	-	-	-	-	32.4	-
Hydroelectric.....	13	12	12	12	13	13	13	13	*	*
Other Renewables.....	-	-	-	-	2	2	2	2	-	*
Independent Power Producers and Combined Heat and Power.....	2,107	40,558	42,534	39,038	38,542	37,547	38,089	38,515	6.5	89.1
Coal.....	1,642	12,792	13,795	13,832	13,945	13,887	13,815	13,819	5.1	32.0
Petroleum.....	7	1,013	930	754	754	744	720	719	*	1.7
Natural Gas.....	254	15,240	16,071	12,800	12,138	11,220	11,226	11,409	0.8	26.4
Other Gases.....	45	40	40	47	47	47	47	40	0.1	0.1
Nuclear.....	-	11,312	11,465	11,379	11,388	11,379	11,379	11,379	-	26.3
Hydroelectric.....	21	9	21	21	20	20	20	20	0.1	*
Other Renewables.....	131	135	193	184	231	230	882	1,110	0.4	2.6
Other.....	7	19	20	20	20	20	-	20	*	*
Total Electric Industry.....	32,473	44,709	45,541	42,032	42,530	42,289	42,731	43,206	100.0	100.0
Coal.....	15,892	15,654	15,661	15,691	15,789	15,731	15,582	15,653	48.9	36.2
Petroleum.....	1,576	1,418	1,298	1,155	1,154	1,143	1,097	1,099	4.9	2.5
Natural Gas.....	4,259	16,111	16,832	13,522	13,867	13,705	13,709	13,870	13.1	32.1
Other Gases.....	45	40	40	47	47	47	47	40	0.1	0.1
Nuclear.....	10,529	11,312	11,465	11,379	11,388	11,379	11,379	11,379	32.4	26.3
Hydroelectric.....	34	21	33	33	33	33	33	34	0.1	0.1
Other Renewables.....	131	135	193	184	232	231	884	1,112	0.4	2.6
Other.....	7	19	20	20	20	20	-	20	*	*

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatthours)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Illinois										
Electric Utilities.....	131,273,709	17,149,913	9,563,746	19,184,751	10,767,684	11,094,235	9,977,633	3,811,235	94.8	1.9
Coal.....	70,306,091	16,897,445	9,390,702	18,923,288	10,103,378	10,622,870	9,150,501	3,405,766	50.8	1.7
Petroleum.....	838,107	34,464	48,792	120,725	137,746	45,626	25,128	10,978	0.6	*
Natural Gas.....	4,483,112	161,134	53,174	62,240	456,421	325,382	713,867	330,366	3.2	0.2
Nuclear.....	55,595,668	-	-	-	-	-	-	-	40.2	-
Hydroelectric.....	50,731	56,870	71,078	72,165	61,879	84,682	67,950	60,233	*	*
Other Renewables.....	-	-	-	6,333	8,260	15,675	20,187	3,892	-	*
Independent Power Producers and Combined Heat and Power.....	7,190,853	170,904,536	179,491,514	172,773,027	183,352,462	181,332,723	190,283,048	195,663,943	5.2	98.1
Coal.....	5,049,070	69,787,902	78,590,647	75,478,340	82,161,812	81,025,894	86,114,412	93,238,273	3.6	46.7
Petroleum.....	24,314	188,219	1,072,125	641,615	189,444	90,121	106,539	131,750	*	0.1
Natural Gas.....	1,041,230	8,917,601	3,849,288	3,331,072	6,657,830	4,953,616	6,827,660	3,929,503	0.8	2.0
Other Gases.....	342,824	232,850	203,627	246,008	198,799	148,822	134,271	53,874	0.2	*
Nuclear.....	-	90,860,108	94,733,036	92,047,323	93,263,001	94,154,140	95,728,845	95,151,694	-	47.7
Hydroelectric.....	86,982	71,952	67,422	81,364	67,158	88,590	85,777	78,316	0.1	*
Other Renewables.....	627,123	723,508	818,951	815,666	774,621	833,157	1,264,565	3,031,085	0.5	1.5
Other.....	19,310	122,396	156,418	131,640	39,797	38,383	20,978	49,448	*	*
Total Electric Industry.....	138,464,562	188,054,449	189,055,260	191,957,778	194,120,146	192,426,958	200,260,681	199,475,178	100.0	100.0
Coal.....	75,355,161	86,685,347	87,981,349	94,401,628	92,265,190	91,648,764	95,264,914	96,644,038	54.4	48.4
Petroleum.....	862,421	222,683	1,120,917	762,340	327,190	135,747	131,667	142,728	0.6	0.1
Natural Gas.....	5,524,342	9,078,735	3,902,462	3,393,312	7,114,251	5,278,998	7,541,527	4,259,870	4.0	2.1
Other Gases.....	342,824	232,850	203,627	246,008	198,799	148,822	134,271	53,874	0.2	*
Nuclear.....	55,595,668	90,860,108	94,733,036	92,047,323	93,263,001	94,154,140	95,728,845	95,151,694	40.2	47.7
Hydroelectric.....	137,713	128,822	138,500	153,529	129,037	173,272	153,727	138,549	0.1	0.1
Other Renewables.....	627,123	723,508	818,951	821,999	782,881	848,832	1,284,752	3,034,977	0.5	1.5
Other.....	19,310	122,396	156,418	131,640	39,797	38,383	20,978	49,448	*	*

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1998 and 2002 Through 2008

Fuel, Quality	1998	2002	2003	2004	2005	2006	2007	2008
Illinois								
Coal (cents per million Btu)	156	119	116	115	119	126	134	158
Average heat value (Btu per pound).....	9,700	9,253	9,176	9,120	9,015	8,937	8,962	8,892
Average sulfur Content (percent)	1.10	0.70	0.66	0.65	0.62	0.53	0.52	0.50
Petroleum (cents per million Btu) ¹	234	524	540	464	1,286	1,465	1,744	2,432
Average heat value (Btu per gallon).....	130,829	140,345	147,876	143,595	137,405	141,102	137,319	137,310
Average sulfur Content (percent)	1.49	0.15	0.48	1.91	0.72	0.23	0.25	0.21
Natural Gas (cents per million Btu).....	221	343	567	638	873	717	708	967
Average heat value (Btu per cubic foot).....	1,019	1,022	1,016	1,013	1,019	1,021	1,019	1,012

¹ Petroleum includes petroleum liquids and petroleum coke.
Btu = British thermal unit.

Note: Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. There may be a notable increase in fuel receipts beginning with 2008. For more information, please see the Technical Notes in the Electric Power Annual.

Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report." Federal Energy Regulatory Commission, FERC Form 423, "Monthly Cost and Quality of Fuels for Electric Plants." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 7. Electric Power Industry Emissions Estimates, 1998 and 2002 Through 2008
(Thousand Metric Tons)

Emission Type	1998	2002	2003	2004	2005	2006	2007	2008
Illinois								
Sulfur Dioxide								
Coal.....	830	367	369	384	351	308	301	344
Petroleum.....	15	1	4	2	1	*	1	*
Natural Gas	*	*	*	*	*	*	*	*
Other Gases.....	*	-	*	*	*	*	*	*
Other Renewables.....	*	* ^R	* ^R	* ^R	* ^R	*	* ^R	*
Other	4	1	1	1	*	*	*	*
Total	848	369	374	387	351 ^R	309	302	345
Nitrogen Oxide								
Coal.....	279	164	137	136	121	113	111	113
Petroleum.....	6	*	2	1	*	*	*	*
Natural Gas	8	9	6	6	4	5	4	2
Other Gases.....	*	*	*	*	*	*	*	*
Other Renewables.....	3 ^R	6	5	5	6	4	5	6
Other	1	*	*	*	*	*	*	*
Total	297	179	151	149	131	122	120	121
Carbon Dioxide								
Coal.....	80,036 ^R	90,914 ^R	91,826 ^R	98,779 ^R	97,265 ^R	97,168 ^R	101,088 ^R	102,771
Petroleum.....	1,289 ^R	213 ^R	1,122 ^R	802 ^R	362 ^R	139 ^R	117 ^R	116
Natural Gas	4,677 ^R	5,312 ^R	2,792 ^R	2,540 ^R	4,097 ^R	3,084 ^R	4,402 ^R	2,798
Other	109 ^R	130 ^R	162 ^R	135 ^R	64 ^R	77 ^R	47 ^R	81
Total	86,111 ^R	96,569 ^R	95,902 ^R	102,256 ^R	101,788 ^R	100,469 ^R	105,654 ^R	105,766

R = Revised.

* = 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 *).

- (dash) = Data not available.

Source: Calculations made by the Electric Power Division, U. S. Energy Information Administration.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1998 and 2002 Through 2008

Sector	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Illinois										
Retail Sales (thousand megawatthours)										
Residential	39,707	45,030	43,161	43,443	48,593	46,381	48,036	46,780	30.2	32.3
Commercial	39,792	44,244	49,561	47,358	49,977	50,631	52,043	51,770	30.2	35.8
Industrial	43,377	39,288	43,042	48,008	45,888	44,916	45,430	45,503	32.9	31.5
Other	8,820	9,886	NA	NA	NA	NA	NA	NA	6.7	--
Transportation.....	NA	NA	484	445	528	519	545	566	--	0.4
All Sectors	131,697	138,447	136,248	139,254	144,986	142,448	146,055	144,620	100.0	100.0
Retail Revenue (million dollars).....										
Residential	3,910	3,778	3,616	3,638	4,055	3,907	4,863	5,178	39.8	38.7
Commercial	3,093	3,326	3,618	3,570	3,875	4,025	4,462	6,104	31.5	45.6
Industrial	2,215	1,920	2,092	2,232	2,115	2,106	3,001	2,067	22.6	15.4
Other	600	581	NA	NA	NA	NA	NA	NA	6.1	--
Transportation.....	NA	NA	28	25	30	29	35	41	--	0.3
All Sectors	9,817	9,605	9,353	9,465	10,074	10,067	12,361	13,390	100.0	100.0
Average Retail Prices (cents/kWh)										
Residential	9.85	8.39	8.38	8.37	8.34	8.42	10.12	11.07	--	--
Commercial	7.77	7.52	7.30	7.54	7.75	7.95	8.57	11.79	--	--
Industrial	5.11	4.89	4.86	4.65	4.61	4.69	6.61	4.54	--	--
Other	6.80	5.88	NA	NA	NA	NA	NA	NA	--	--
Transportation.....	NA	NA	5.87	5.70	5.61	5.59	6.43	7.23	--	--
All Sectors	7.46	6.94	6.86	6.80	6.95	7.07	8.46	9.26	--	--

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 9. Retail Electricity Sales Statistics, 2008

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Illinois								
Number of Entities.....	6	41	NA	27	2	23	5	104
Number of Retail Customers	5,073,493	264,805	NA	295,526	290	57,096	NA	5,691,210
Retail Sales (thousand megawatthours).....	66,049	6,939	NA	5,995	516	65,121	NA	144,620
Percentage of Retail Sales	45.67	4.80	--	4.15	0.36	45.03	--	100.00
Revenue from Retail Sales (million dollars)	6,967	587	NA	581	24	4,398	832	13,390
Percentage of Revenue	52.03	4.39	--	4.34	0.18	32.84	6.22	100.00
Average Retail Price (cents/kWh).....	10.65	8.47	NA	9.69	4.73	6.75	1.28	9.26

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Totals may not equal sum of components because of independent rounding. 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.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 10. Supply and Disposition of Electricity, 1998 and 2002 Through 2008
(Million Kilowatthours)

Category	1998	2002	2003	2004	2005	2006	2007	2008
Illinois								
Supply								
Generation								
Electric Utilities	131,274	17,150	9,564	19,185	10,768	11,094	9,978	3,811
Independent Power Producers	3,521	166,769	175,640	168,824	179,260	177,412	186,235	192,080
Combined Heat and Power, Electric	294	863	582	551	618	593	619	552
Electric Power Sector Generation Subtotal	135,088	184,782	185,786	188,560	190,646	189,099	196,832	196,443
Combined Heat and Power, Commercial	270	390	301	579	506	498	536	523
Combined Heat and Power, Industrial	3,106	2,882	2,968	2,819	2,969	2,830	2,894	2,508
Industrial and Commercial Generation Subtotal	3,376	3,272	3,270	3,398	3,474	3,328	3,429	3,032
Total Net Generation	138,465	188,054	189,055	191,958	194,120	192,427	200,261	199,475
Total International Imports	-	-	-	2	1	-	66	53
Total Supply	138,465	188,054	189,055	191,960	194,121	192,427	200,327	199,528
Disposition								
Retail Sales								
Full Service Providers	131,217	121,879	114,604	111,671	117,048	115,938	84,608	78,982
Energy-Only Providers	480	16,568	21,177	27,067	27,938	26,510	61,447	65,121
Facility Direct Retail Sales ¹	-	-	466	516	-	-	-	516
Total Electric Industry Retail Sales	131,697	138,447	136,248	139,254	144,986	142,448	146,055	144,620
Direct Use	3,616	4,222	4,276	4,280	3,568	3,606	5,089	4,993
Total International Exports	-	125	160	18	19	*	6	10
Estimated Losses	8,919	9,755	8,158^R	9,550^R	11,117^R	11,159	9,375	7,849
Total Disposition	144,231	152,549	148,842^R	153,103^R	159,690^R	157,214	160,526	157,473
Net Interstate Trade ²	-5,767	35,505	40,213^R	38,857^R	34,431^R	35,213	39,801	42,055
Net Trade Index (ratio) ³	0.96	1.23	1.27	1.25	1.22	1.22	1.25	1.27

¹ Facility Direct Retail Sales are electricity sales from non utility power producers which reported electricity sales to a retail customer.

² Net Interstate Trade is the difference between Total Supply and Total Disposition.

³ Net Trade Index is the ratio of Total Supply to Total Disposition.

R = Revised.

* = 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 *).

- (dash) = Data not available.

Notes: Totals may not equal sum of components because of independent rounding. 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. 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.

Sources: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms. U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry 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.

Table 1. 2008 Summary Statistics

Item	Value	U.S. Rank
Indiana		
NERC Region(s).....		RFC
Primary Energy Source.....		Coal
Net Summer Capacity (megawatts)	27,079	13
Electric Utilities.....	23,598	7
Independent Power Producers & Combined Heat and Power.....	3,480	25
Net Generation (megawatthours).....	129,510,294	10
Electric Utilities.....	115,887,993	5
Independent Power Producers & Combined Heat and Power.....	13,622,301	25
Emissions (thousand metric tons)		
Sulfur Dioxide	555	3
Nitrogen Oxide	191	3
Carbon Dioxide.....	124,295	3
Sulfur Dioxide (lbs/MWh)	9.4	3
Nitrogen Oxide (lbs/MWh)	3.2	10
Carbon Dioxide (lbs/MWh).....	2,116	4
Total Retail Sales (megawatthours)	106,980,704	11
Full Service Provider Sales (megawatthours)	106,980,704	9
Direct Use (megawatthours)	7,963,403	4
Average Retail Price (cents/kWh).....	7.09	41

MWh = Megawatthours.

kWh = Kilowatthours.

Sources: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 2. Ten Largest Plants by Generating Capacity, 2008

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	2,610
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	1,203
6. Cayuga	Coal	Duke Energy Indiana Inc	1,104
7. Harding Street.....	Coal	Indianapolis Power & Light Co	1,102
8. Lawrenceburg Energy Facility	Gas	AEP Generating Company	1,080
9. Tanners Creek.....	Coal	Indiana Michigan Power Co	990
10. Merom	Coal	Hoosier Energy R E C, Inc	955

MW = Megawatt.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2008
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
Indiana						
1. Duke Energy Indiana Inc.....	Investor-Owned	28,547,519	9,283,226	8,592,695	10,671,598	-
2. Northern Indiana Pub Serv Co.....	Investor-Owned	16,705,228	3,345,850	4,034,462	9,305,389	19,527
3. Indiana Michigan Power Co.....	Investor-Owned	15,906,778	4,796,247	4,497,694	6,612,837	-
4. Indianapolis Power & Light Co.....	Investor-Owned	15,003,127	5,349,792	2,097,045	7,556,290	-
5. Southern Indiana Gas & Elec Co.....	Investor-Owned	5,279,137	1,513,784	1,356,238	2,409,115	-
Total Sales, Top Five Providers.....		81,441,789	24,288,899	20,578,134	36,555,229	19,527
Percent of Total State Sales.....		76	71	84	76	100

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatts)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Indiana										
Electric Utilities.....	20,337	20,802	21,016	21,126	22,017	22,021	22,012	23,598	93.2	87.1
Coal.....	18,709	18,530	18,400	18,426	18,455	18,428	18,416	18,401	85.7	68.0
Petroleum.....	486	473	474	479	479	487	487	487	2.2	1.8
Natural Gas.....	1,083	1,741	2,082	2,162	3,024	3,024	3,020	4,620	5.0	17.1
Hydroelectric.....	59	59	59	59	60	60	60	60	0.3	0.2
Other Renewables.....	-	-	-	-	-	22	30	30	-	0.1
Independent Power Producers and Combined Heat and Power.....	1,486	4,450	4,626	5,608	4,966	4,968	5,009	3,480	6.8	12.9
Coal.....	767	1,410	1,416	1,290	1,290	1,290	1,344	1,320	3.5	4.9
Petroleum.....	10	10	10	11	11	16	16	16	*	0.1
Natural Gas.....	211	2,485	2,668	3,664	3,030	3,028	3,028	1,387	1.0	5.1
Other Gases.....	480	525	512	624	617	626	612	618	2.2	2.3
Other Renewables.....	17	21	19	19	19	9	9	140	0.1	0.5
Total Electric Industry.....	21,823	25,252	25,641	26,734	26,984	26,990	27,021	27,079	100.0	100.0
Coal.....	19,476	19,940	19,816	19,716	19,745	19,718	19,759	19,721	89.2	72.8
Petroleum.....	496	483	484	490	490	503	503	503	2.3	1.9
Natural Gas.....	1,294	4,226	4,750	5,826	6,054	6,052	6,048	6,007	5.9	22.2
Other Gases.....	480	525	512	624	617	626	612	618	2.2	2.3
Hydroelectric.....	59	59	59	59	60	60	60	60	0.3	0.2
Other Renewables.....	17	21	19	19	19	31	39	170	0.1	0.6

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatthours)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Indiana										
Electric Utilities.....	112,771,878	112,029,989	112,395,725	114,690,471	117,373,699	117,643,504	116,727,908	115,887,993	96.0	89.5
Coal.....	110,696,190	109,441,044	109,839,659	112,899,892	115,413,188	116,284,183	114,974,642	114,321,205	94.2	88.3
Petroleum.....	821,530	470,976	407,648	393,135	244,554	134,035	155,132	165,142	0.7	0.1
Natural Gas.....	775,490	1,706,699	1,724,465	953,723	1,277,675	561,780	958,345	735,619	0.7	0.6
Hydroelectric.....	478,668	411,270	423,953	443,721	438,282	489,515	449,936	436,780	0.4	0.3
Other Renewables.....	-	-	-	-	-	173,991	189,853	229,247	-	0.2
Independent Power Producers and Combined Heat and Power.....	4,699,647	13,578,150	12,492,493	13,079,925	12,997,874	12,846,284	13,910,091	13,622,301	4.0	10.5
Coal.....	1,121,905	8,218,656	7,916,625	7,771,040	7,420,290	7,361,284	7,828,255	7,714,880	1.0	6.0
Petroleum.....	255,571	146,156	47,640	32,122	16,240	13,600	14,844	13,103	0.2	*
Natural Gas.....	1,301,664	2,075,752	1,324,971	1,484,503	2,337,630	2,120,103	3,053,480	2,900,684	1.1	2.2
Other Gases.....	1,896,396	3,005,998	2,592,257	3,136,317	2,721,577	2,870,099	2,591,406	2,355,804	1.6	1.8
Other Renewables.....	124,111	115,946	119,138	137,370	67,692	46,221	41,394	282,146	0.1	0.2
Other.....	-	15,642	491,864	518,574	434,444	434,976	380,711	355,684	-	0.3
Total Electric Industry.....	117,471,525	125,608,139	124,888,218	127,770,396	130,371,573	130,489,788	130,637,999	129,510,294	100.0	100.0
Coal.....	111,818,095	117,659,700	117,756,284	120,670,932	122,833,478	123,645,467	122,802,897	122,036,086	95.2	94.2
Petroleum.....	1,077,101	617,132	455,288	425,257	260,794	147,635	169,977	178,244	0.9	0.1
Natural Gas.....	2,077,154	3,782,451	3,049,436	2,438,226	3,615,305	2,681,883	4,011,824	3,636,303	1.8	2.8
Other Gases.....	1,896,396	3,005,998	2,592,257	3,136,317	2,721,577	2,870,099	2,591,406	2,355,804	1.6	1.8
Hydroelectric.....	478,668	411,270	423,953	443,721	438,282	489,515	449,936	436,780	0.4	0.3
Other Renewables.....	124,111	115,946	119,138	137,370	67,692	220,212	231,247	511,393	0.1	0.4
Other.....	-	15,642	491,864	518,574	434,444	434,976	380,711	355,684	-	0.3

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1998 and 2002 Through 2008

Fuel, Quality	1998	2002	2003	2004	2005	2006	2007	2008
Indiana								
Coal (cents per million Btu)	112	W	W	W	W	W	W	193
Average heat value (Btu per pound).....	10,517	10,593	10,550	10,601	10,756	10,638	10,588	10,486
Average sulfur Content (percent)	1.63	1.48	1.50	1.53	1.72	1.61	1.74	1.71
Petroleum (cents per million Btu) ¹	184	W	W	W	W	W	W	2,002
Average heat value (Btu per gallon).....	100,264	142,836	138,660	135,267	139,405	139,621	140,607	139,538
Average sulfur Content (percent)	2.63	1.97	2.28	2.31	0.55	0.29	0.34	0.29
Natural Gas (cents per million Btu).....	280	324	616	621	851	781	752	948
Average heat value (Btu per cubic foot).....	1,025	1,016	1,014	1,011	1,018	1,043	1,026	1,015

¹ Petroleum includes petroleum liquids and petroleum coke.
Btu = British thermal unit.

W = Withheld to avoid disclosure of individual company data.

Note: Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. There may be a notable increase in fuel receipts beginning with 2008. For more information, please see the Technical Notes in the Electric Power Annual.

Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report." Federal Energy Regulatory Commission, FERC Form 423, "Monthly Cost and Quality of Fuels for Electric Plants." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 7. Electric Power Industry Emissions Estimates, 1998 and 2002 Through 2008 (Thousand Metric Tons)

Emission Type	1998	2002	2003	2004	2005	2006	2007	2008
Indiana								
Sulfur Dioxide								
Coal	912	715	741	795	801	757	661	554
Petroleum	5	2	1	*	*	*	*	*
Natural Gas	*	*	*	*	*	*	*	*
Other Gases	*	*	*	*	*	*	*	*
Other Renewables	1 ^R	*	*	*	*	<u>R</u>	*	-
Other	<u>R</u>	*	*	*	*	-	*	*
Total	918	719	743	796	802	758	662	555
Nitrogen Oxide								
Coal	336	255	237	206	190	187	181	181
Petroleum	2	*	*	*	*	*	*	*
Natural Gas	5	4	3	2	2	2	2	2
Other Gases	4	7	13	5	11	11	10	5
Other Renewables	2 ^R	2	2	2	1	2	3	3
Other	<u>R</u>	1	1	1	*	-	*	*
Total	350	269	257	216	204	202	195	191
Carbon Dioxide								
Coal	110,664 ^R	112,895 ^R	115,091 ^R	117,932 ^R	120,369 ^R	120,850 ^R	120,259 ^R	121,035
Petroleum	1,640 ^R	845 ^R	523 ^R	496 ^R	275 ^R	145 ^R	154 ^R	163
Natural Gas	2,253 ^R	2,354 ^R	1,782 ^R	1,670 ^R	2,374 ^R	1,877 ^R	2,473 ^R	2,747
Other Renewables	304 ^R	-	-	-	-	-	-	-
Other	<u>R</u>	297 ^R	310 ^R	308 ^R	298 ^R	300 ^R	56	350
Total	114,861 ^R	116,392 ^R	117,706 ^R	120,405 ^R	123,316 ^R	123,173 ^R	122,942 ^R	124,295

R = Revised.

* = 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 *).

- (dash) = Data not available.

Source: Calculations made by the Electric Power Division, U. S. Energy Information Administration.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1998 and 2002 Through 2008

Sector	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Indiana										
Retail Sales (thousand megawatthours)										
Residential	27,334	31,568	30,726	31,192	33,629	32,286	34,646	33,980	29.7	31.8
Commercial	19,368	21,790	22,441	22,957	23,959	23,830	24,768	24,570	21.0	23.0
Industrial	44,848	47,481	47,284	48,928	48,944	49,530	49,988	48,411	48.7	45.3
Other	509	589	NA	NA	NA	NA	NA	NA	0.6	--
Transportation.....	NA	NA	16	17	17	18	19	20	--	*
All Sectors	92,059	101,429	100,468	103,094	106,549	105,664	109,420	106,981	100.0	100.0
Retail Revenue (million dollars).....										
Residential	1,916	2,183	2,162	2,277	2,523	2,655	2,862	3,015	39.0	39.8
Commercial	1,177	1,303	1,374	1,448	1,573	1,719	1,806	1,921	24.0	25.3
Industrial	1,770	1,877	1,855	2,022	2,165	2,451	2,445	2,644	36.0	34.9
Other	50	57	NA	NA	NA	NA	NA	NA	1.0	--
Transportation.....	NA	NA	1	1	2	2	2	2	--	*
All Sectors	4,914	5,420	5,393	5,749	6,262	6,827	7,115	7,582	100.0	100.0
Average Retail Prices (cents/kWh)										
Residential	7.01	6.91	7.04	7.30	7.50	8.22	8.26	8.87	--	--
Commercial	6.08	5.98	6.12	6.31	6.57	7.21	7.29	7.82	--	--
Industrial	3.95	3.95	3.92	4.13	4.42	4.95	4.89	5.46	--	--
Other	9.83	9.75	NA	NA	NA	NA	NA	NA	--	--
Transportation.....	NA	NA	8.36	8.76	9.14	9.66	10.09	9.60	--	--
All Sectors	5.34	5.34	5.37	5.58	5.88	6.46	6.50	7.09	--	--

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

* = 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 *).

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 9. Retail Electricity Sales Statistics, 2008

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Number of Entities.....	6	72	NA	41	1	NA	NA	120
Number of Retail Customers	2,302,612	258,213	NA	531,556	1	NA	NA	3,092,382
Retail Sales (thousand megawatthours).....	86,137	7,872	NA	12,768	204	NA	NA	106,981
Percentage of Retail Sales	80.52	7.36	--	11.94	0.19	--	--	100.00
Revenue from Retail Sales (million dollars)	5,907	565	NA	1,105	5	NA	NA	7,582
Percentage of Revenue	77.91	7.46	--	14.57	0.06	--	--	100.00
Average Retail Price (cents/kWh).....	6.86	7.18	NA	8.65	2.38	NA	NA	7.09

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Totals may not equal sum of components because of independent rounding. 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.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 10. Supply and Disposition of Electricity, 1998 and 2002 Through 2008
(Million Kilowatthours)

Category	1998	2002	2003	2004	2005	2006	2007	2008
Indiana								
Supply								
Generation								
Electric Utilities	112,772	112,030	112,396	114,690	117,374	117,644	116,728	115,888
Independent Power Producers	788	9,879	3,417	3,268	3,659	3,488	4,518	4,839
Combined Heat and Power, Electric	-	22	5,474	5,630	5,650	5,526	5,915	5,301
Electric Power Sector Generation Subtotal	113,560	121,931	121,287	123,588	126,682	126,657	127,161	126,028
Combined Heat and Power, Commercial	197	242	229	256	250	226	214	218
Combined Heat and Power, Industrial	3,715	3,435	3,372	3,926	3,440	3,607	3,263	3,265
Industrial and Commercial Generation Subtotal	3,912	3,677	3,601	4,182	3,690	3,833	3,477	3,482
Total Net Generation	117,472	125,608	124,888	127,770	130,372	130,490	130,638	129,510
Total International Imports	-	-	-	-	12	30	79	23
Total Supply	117,472	125,608	124,888	127,770	130,383	130,520	130,717	129,533
Disposition								
Retail Sales								
Full Service Providers	92,059	101,429	100,468	103,094	106,549	105,664	109,420	106,777
Facility Direct Retail Sales ¹	-	-	-	-	-	-	-	204
Total Electric Industry Retail Sales	92,059	101,429	100,468	103,094	106,549	105,664	109,420	106,981
Direct Use	4,298	4,696	4,756	4,761	7,349	7,525	7,372	7,963
Total International Exports	-	1	-	-	1	-	102	105
Estimated Losses	6,234	7,367	7,710^R	7,094^R	11,086^R	6,450	6,924	5,757
Total Disposition	102,591	113,492	112,934^R	114,949^R	124,985^R	119,639	123,818	120,806
Net Interstate Trade ²	14,880	12,116	11,954^R	12,821^R	5,399^R	10,881	6,899	8,727
Net Trade Index (ratio) ³	1.15	1.11	1.11	1.11	1.04	1.09	1.06	1.07

¹ Facility Direct Retail Sales are electricity sales from non utility power producers which reported electricity sales to a retail customer.

² Net Interstate Trade is the difference between Total Supply and Total Disposition.

³ Net Trade Index is the ratio of Total Supply to Total Disposition.

R = Revised.

- (dash) = Data not available.

Notes: Totals may not equal sum of components because of independent rounding. 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. 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.

Sources: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms. U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry 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.

Table 1. 2008 Summary Statistics

Item	Value	U.S. Rank
Iowa		
NERC Region(s).....		MRO/SERC
Primary Energy Source.....		Coal
Net Summer Capacity (megawatts)	13,711	28
Electric Utilities.....	11,274	24
Independent Power Producers & Combined Heat and Power.....	2,437	34
Net Generation (megawatthours).....	53,086,786	29
Electric Utilities.....	44,751,377	23
Independent Power Producers & Combined Heat and Power.....	8,335,409	32
Emissions (thousand metric tons)		
Sulfur Dioxide	154	18
Nitrogen Oxide	71	19
Carbon Dioxide.....	45,835	22
Sulfur Dioxide (lbs/MWh)	6.4	12
Nitrogen Oxide (lbs/MWh)	3.0	13
Carbon Dioxide (lbs/MWh).....	1,903	8
Total Retail Sales (megawatthours)	45,488,070	31
Full Service Provider Sales (megawatthours)	45,488,070	29
Direct Use (megawatthours)	1,412,589	24
Average Retail Price (cents/kWh).....	6.89	42

MWh = Megawatthours.

kWh = Kilowatthours.

Sources: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 2. Ten Largest Plants by Generating Capacity, 2008

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
Iowa			
1. Walter Scott Energy Center.....	Coal	MidAmerican Energy Co	1,623
2. George Neal North.....	Coal	MidAmerican Energy Co	945
3. Louisa	Coal	MidAmerican Energy Co	745
4. Ottumwa	Coal	Interstate Power and Light Co	710
5. George Neal South.....	Coal	MidAmerican Energy Co	644
6. Duane Arnold Energy Center	Nuclear	NextEra Energy Duane Arnold LLC	580
7. Emery Station	Gas	Interstate Power and Light Co	552
8. Greater Des Moines	Gas	MidAmerican Energy Co	493
9. Lansing	Coal	Interstate Power and Light Co	308
10. Pioneer Prairie Wind Farm.....	Other Renewables	Pioneer Prairie Wind Farm I, LLC	300

MW = Megawatt.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2008
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
1. MidAmerican Energy Co	Investor-Owned	18,762,239	5,372,499	5,080,024	8,309,716	-
2. Interstate Power and Light Co	Investor-Owned	15,089,648	3,894,470	3,751,084	7,444,094	-
3. Board of Water Electric & Communications	Public	865,514	100,382	178,191	586,941	-
4. Eastern Iowa Light & Power Coop	Cooperative	651,401	285,793	45,961	319,647	-
5. Ames City of	Public	572,660	156,440	278,507	137,713	-
Total Sales, Top Five Providers		35,941,462	9,809,584	9,333,767	16,798,111	-
Percent of Total State Sales		79	70	77	87	-

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatts)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Electric Utilities.....	8,368	8,407	9,093	9,895	10,090	9,562	10,669	11,274	95.9	82.2
Coal.....	5,717	5,620	5,666	5,741	5,705	5,666	6,535	6,528	65.5	47.6
Petroleum.....	877	980	912	908	936	935	930	924	10.1	6.7
Natural Gas.....	906	1,007	1,710	2,381	2,376	2,370	2,401	2,394	10.4	17.5
Nuclear.....	520	566	562	563	581	-	-	-	6.0	-
Hydroelectric.....	131	129	136	138	129	129	128	138	1.5	1.0
Other Renewables.....	*	107	107	165	363	462	675	1,290	*	9.4
Other.....	216	-	-	-	-	-	-	-	2.5	-
Independent Power Producers and Combined Heat and Power	360	931	981	978	998	1,581	1,618	2,437	4.1	17.8
Coal.....	275	419	420	417	432	432	432	400	3.2	2.9
Petroleum.....	71	82	89	89	92	92	93	93	0.8	0.7
Natural Gas.....	-	4	5	5	5	1	1	1	-	*
Nuclear.....	-	-	-	-	-	581	580	580	-	4.2
Hydroelectric.....	5	2	2	2	2	2	3	3	0.1	*
Other Renewables.....	9	422	466	466	467	474	510	1,360	0.1	9.9
Total Electric Industry.....	8,728	9,338	10,074	10,873	11,087	11,143	12,287	13,711	100.0	100.0
Coal.....	5,993	6,039	6,086	6,157	6,137	6,097	6,967	6,928	68.7	50.5
Petroleum.....	948	1,062	1,000	996	1,028	1,027	1,023	1,017	10.9	7.4
Natural Gas.....	906	1,011	1,715	2,386	2,381	2,371	2,402	2,395	10.4	17.5
Nuclear.....	520	566	562	563	581	581	580	580	6.0	4.2
Hydroelectric.....	136	131	138	140	131	131	131	142	1.6	1.0
Other Renewables.....	9	529	573	630	830	936	1,185	2,650	0.1	19.3
Other.....	216	-	-	-	-	-	-	-	2.5	-

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatthours)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Iowa										
Electric Utilities.....	37,085,476	40,051,665	39,485,141	40,578,049	41,559,024	37,494,674	42,383,472	44,751,377	96.5	84.3
Coal.....	31,883,678	34,033,119	34,288,694	33,757,265	32,807,567	32,855,636	36,470,450	39,231,635	82.9	73.9
Petroleum.....	109,620	55,552	91,173	99,255	140,559	197,700	296,436	152,372	0.3	0.3
Natural Gas.....	412,281	406,796	279,206	814,295	2,473,558	2,393,816	3,085,253	2,158,823	1.1	4.1
Nuclear.....	3,767,513	4,573,958	3,987,657	4,928,948	4,538,313	-	-	-	9.8	-
Hydroelectric.....	893,219	936,688	780,322	936,999	950,094	900,488	961,876	815,654	2.3	1.5
Other Renewables.....	19,165	45,552	48,464	29,404	637,360	1,136,608	1,557,596	2,392,880	*	4.5
Other.....	-	-	9,625	11,883	11,573	10,426	11,861	13	-	*
Independent Power Producers and Combined Heat and Power.....	1,363,313	2,476,720	2,631,051	2,670,140	2,597,136	7,988,788	7,405,745	8,335,409	3.5	15.7
Coal.....	1,116,293	1,338,940	1,531,251	1,514,931	1,444,767	1,549,558	1,515,117	1,178,472	2.9	2.2
Petroleum.....	6,923	8,312	10,162	9,365	9,009	10,621	15,479	8,755	*	*
Natural Gas.....	148,611	147,923	33,690	10,411	7,312	6,198	5,626	4,368	0.4	*
Nuclear.....	-	-	-	-	-	5,095,442	4,518,875	5,282,202	-	10.0
Hydroelectric.....	19,696	9,695	8,271	8,960	9,432	8,860	470	3,393	0.1	*
Other Renewables.....	71,790	971,616	1,047,676	1,126,473	1,126,617	1,318,109	1,350,179	1,858,219	0.2	3.5
Other.....	-	234	-	-	-	-	-	-	-	-
Total Electric Industry.....	38,448,789	42,528,385	42,116,192	43,248,189	44,156,160	45,483,462	49,789,217	53,086,786	100.0	100.0
Coal.....	32,999,971	35,372,059	35,819,945	35,272,196	34,252,334	34,405,194	37,985,566	40,410,107	85.8	76.1
Petroleum.....	116,543	63,864	101,335	108,620	149,568	208,321	311,915	161,127	0.3	0.3
Natural Gas.....	560,892	554,719	312,896	824,706	2,480,870	2,400,014	3,090,879	2,163,191	1.5	4.1
Nuclear.....	3,767,513	4,573,958	3,987,657	4,928,948	4,538,313	5,095,442	4,518,875	5,282,202	9.8	10.0
Hydroelectric.....	912,915	946,383	788,593	945,959	959,526	909,348	962,346	819,047	2.4	1.5
Other Renewables.....	90,955	1,017,168	1,096,140	1,155,877	1,763,976	2,454,717	2,907,775	4,251,099	0.2	8.0
Other.....	-	234	9,625	11,883	11,573	10,426	11,861	13	-	*

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1998 and 2002 Through 2008

Fuel, Quality	1998	2002	2003	2004	2005	2006	2007	2008
Iowa								
Coal (cents per million Btu)	88	W	W	W	W	W	W	127
Average heat value (Btu per pound).....	8,636	8,648	8,705	8,665	8,668	8,612	8,619	8,605
Average sulfur Content (percent).....	0.44	0.39	0.43	0.44	0.42	0.44	0.41	0.41
Petroleum (cents per million Btu) ¹	141	579	635	459	1,077	474	603	1,023
Average heat value (Btu per gallon).....	88,176	139,667	139,171	137,162	139,200	134,952	135,219	133,214
Average sulfur Content (percent).....	4.13	0.01	0.03	2.08	0.28	4.09	4.06	3.44
Natural Gas (cents per million Btu).....	306	W	593	712	878	778	765	W
Average heat value (Btu per cubic foot).....	1,003	1,002	1,004	1,003	1,007	1,009	1,011	1,012

¹ Petroleum includes petroleum liquids and petroleum coke.

Btu = British thermal unit.

W = Withheld to avoid disclosure of individual company data.

Note: Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. There may be a notable increase in fuel receipts beginning with 2008. For more information, please see the Technical Notes in the Electric Power Annual.

Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report." Federal Energy Regulatory Commission, FERC Form 423, "Monthly Cost and Quality of Fuels for Electric Plants." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 7. Electric Power Industry Emissions Estimates, 1998 and 2002 Through 2008
(Thousand Metric Tons)

Emission Type	1998	2002	2003	2004	2005	2006	2007	2008
Iowa								
Sulfur Dioxide								
Coal.....	173	134	138	135	135	131	134	149
Petroleum.....	7	1	1	1	1	1	1	5
Natural Gas.....	*	*	*	*	*	*	*	*
Other Renewables.....	*	*	*	*	*	*	*	*
Other.....	*	*	*	*	*	*	*	-
Total.....	180	135	139	136	136	132	136	154
Nitrogen Oxide.....								
Coal.....	84	76	76	76	71	61	55	68
Petroleum.....	1	1	1	1	1	1	1	1
Natural Gas.....	2	2	1	1	1	1	1	*
Other Renewables.....	1	1	1	1	1	1	2	2
Other.....	*	*	*	*	*	*	*	-
Total.....	89	80	79	79	75	64	58	71
Carbon Dioxide.....								
Coal.....	38,210 ^R	40,297 ^R	40,608 ^R	40,987 ^R	39,266 ^R	39,652 ^R	42,499 ^R	44,680
Petroleum.....	132 ^R	82 ^R	123 ^R	139 ^R	178 ^R	257 ^R	373 ^R	193
Natural Gas.....	846 ^R	940 ^R	297 ^R	467 ^R	1,150 ^R	1,060 ^R	1,409 ^R	962
Other.....	31	1	15	17	12	11	14 ^R	*
Total.....	39,219 ^R	41,320 ^R	41,043 ^R	41,610 ^R	40,607 ^R	40,982 ^R	44,295 ^R	45,835

R = Revised.

* = 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 *).

- (dash) = Data not available.

Source: Calculations made by the Electric Power Division, U. S. Energy Information Administration.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1998 and 2002 Through 2008

Sector	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Iowa										
Retail Sales (thousand megawatthours)										
Residential	11,855	12,921	12,768	12,625	13,571	13,344	14,060	14,073	31.8	30.9
Commercial	8,034	8,803	11,637	10,840	11,271	11,660	12,084	12,178	21.5	26.8
Industrial	16,079	16,548	16,803	17,437	17,915	18,331	19,125	19,237	43.1	42.3
Other	1,350	2,626	NA	NA	NA	NA	NA	NA	3.6	--
Transportation.....	NA	NA	NA	NA	NA	1	NA	NA	--	--
All Sectors	37,318	40,898	41,207	40,903	42,757	43,337	45,270	45,488	100.0	100.0
Retail Revenue (million dollars).....										
Residential	993	1,079	1,094	1,132	1,258	1,285	1,328	1,336	44.1	42.6
Commercial	536	578	726	731	783	850	859	875	23.8	27.9
Industrial	641	672	699	756	818	902	906	925	28.5	29.5
Other	84	129	NA	NA	NA	NA	NA	NA	3.7	--
Transportation.....	NA	NA	NA	NA	NA	*	NA	NA	--	--
All Sectors	2,255	2,458	2,519	2,619	2,859	3,038	3,093	3,135	100.0	100.0
Average Retail Prices (cents/kWh)										
Residential	8.38	8.35	8.57	8.96	9.27	9.63	9.45	9.49	--	--
Commercial	6.67	6.56	6.24	6.75	6.95	7.29	7.11	7.18	--	--
Industrial	3.99	4.06	4.16	4.33	4.56	4.92	4.74	4.81	--	--
Other	6.21	4.92	NA	NA	NA	NA	NA	NA	--	--
Transportation.....	NA	NA	NA	NA	NA	7.05	NA	NA	--	--
All Sectors	6.04	6.01	6.11	6.40	6.69	7.01	6.83	6.89	--	--

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

* = 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 *).

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 9. Retail Electricity Sales Statistics, 2008

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	1,115,867	208,119	NA	219,431	1	NA	NA	1,543,418
Retail Sales (thousand megawatthours).....	33,941	5,296	NA	5,925	326	NA	NA	45,488
Percentage of Retail Sales	74.62	11.64	--	13.03	0.72	--	--	100.00
Revenue from Retail Sales (million dollars)	2,237	378	NA	502	19	NA	NA	3,135
Percentage of Revenue	71.35	12.05	--	16.00	0.60	--	--	100.00
Average Retail Price (cents/kWh).....	6.59	7.13	NA	8.47	5.78	NA	NA	6.89

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Totals may not equal sum of components because of independent rounding. 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.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 10. Supply and Disposition of Electricity, 1998 and 2002 Through 2008
(Million Kilowatthours)

Category	1998	2002	2003	2004	2005	2006	2007	2008
Iowa								
Supply								
Generation								
Electric Utilities	37,085	40,052	39,485	40,578	41,559	37,495	42,383	44,751
Independent Power Producers	23	917	1,033	1,107	1,103	6,389	5,847	7,113
Combined Heat and Power, Electric	146	167	-	-	-	-	-	-
Electric Power Sector Generation Subtotal	37,254	41,136	40,518	41,685	42,662	43,884	48,231	51,864
Combined Heat and Power, Commercial	108	129	261	270	278	278	256	244
Combined Heat and Power, Industrial.....	1,087	1,263	1,337	1,294	1,216	1,321	1,303	979
Industrial and Commercial Generation Subtotal	1,195	1,392	1,598	1,564	1,494	1,599	1,559	1,223
Total Net Generation	38,449	42,528	42,116	43,248	44,156	45,483	49,789	53,087
Total International Imports	108	-	-	*	*	-	-	-
Total Supply	38,557	42,528	42,116	43,248	44,156	45,483	49,789	53,087
Disposition								
Retail Sales								
Full Service Providers	37,318	40,898	40,969	40,616	42,757	43,037	44,939	45,162
Facility Direct Retail Sales ¹	-	-	238	287	-	300	331	326
Total Electric Industry Retail Sales	37,318	40,898	41,207	40,903	42,757	43,337	45,270	45,488
Direct Use	1,296	1,334	1,351	1,352	1,313	1,595	1,680	1,413
Total International Exports	41	-	1	1	1	*	*	-
Estimated Losses	2,527	2,669	2,372^R	2,672^R	2,437^R	2,902	2,676	2,056
Total Disposition	41,183	44,900	44,931^R	44,928^R	46,508^R	47,834	49,625	48,957
Net Interstate Trade ²	-2,626	-2,372	-2,815^R	-1,679	-2,352^R	-2,351	164	4,130
Net Trade Index (ratio) ³	0.94	0.95	0.94	0.96	0.95	0.95	1.00	1.08

¹ Facility Direct Retail Sales are electricity sales from non utility power producers which reported electricity sales to a retail customer.

² Net Interstate Trade is the difference between Total Supply and Total Disposition.

³ Net Trade Index is the ratio of Total Supply to Total Disposition.

R = Revised.

* = 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 *).

- (dash) = Data not available.

Notes: Totals may not equal sum of components because of independent rounding. 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. 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.

Sources: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms. U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry 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.

Table 1. 2008 Summary Statistics

Item	Value	U.S. Rank
Kansas		
NERC Region(s).....		MRO/SPP
Primary Energy Source.....		Coal
Net Summer Capacity (megawatts)	11,992	33
Electric Utilities.....	11,246	25
Independent Power Producers & Combined Heat and Power.....	746	43
Net Generation (megawatthours).....	46,630,321	32
Electric Utilities.....	45,275,773	22
Independent Power Producers & Combined Heat and Power.....	1,354,548	47
Emissions (thousand metric tons)		
Sulfur Dioxide	87	23
Nitrogen Oxide	49	29
Carbon Dioxide.....	37,065	28
Sulfur Dioxide (lbs/MWh)	4.1	21
Nitrogen Oxide (lbs/MWh)	2.3	17
Carbon Dioxide (lbs/MWh).....	1,752	14
Total Retail Sales (megawatthours)	39,516,085	32
Full Service Provider Sales (megawatthours)	39,516,085	30
Direct Use (megawatthours)	275	50
Average Retail Price (cents/kWh).....	7.45	38

MWh = Megawatthours.

kWh = Kilowatthours.

Sources: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 2. Ten Largest Plants by Generating Capacity, 2008

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
Kansas			
1. Jeffrey Energy Center.....	Coal	Westar Energy Inc	2,170
2. La Cygne.....	Coal	Kansas City Power & Light Co	1,418
3. Wolf Creek Generating Station	Nuclear	Wolf Creek Nuclear Optg Corp	1,160
4. Gordon Evans Energy Center	Gas	Kansas Gas & Electric Co	825
5. Lawrence Energy Center	Coal	Westar Energy Inc	532
6. Hutchinson Energy Center	Gas	Westar Energy Inc	406
7. Holcomb	Coal	Sunflower Electric Power Corp	362
8. Emporia Energy Center	Gas	Westar Energy Inc	323
9. West Gardner.....	Gas	Kansas City Power & Light Co	308
10. Nearman Creek.....	Coal	Kansas City City of	305

MW = Megawatt.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2008
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
Kansas						
1. Kansas Gas & Electric Co	Investor-Owned	9,961,281	3,081,023	3,037,262	3,842,996	-
2. Westar Energy Inc	Investor-Owned	9,753,196	3,412,753	4,414,769	1,925,674	-
3. Kansas City Power & Light Co.....	Investor-Owned	6,481,031	2,845,510	3,252,546	382,975	-
4. Kansas City City of.....	Public	2,269,526	551,659	967,281	750,586	-
5. Midwest Energy Inc.....	Cooperative	1,242,744	298,972	417,648	526,124	-
Total Sales, Top Five Providers		29,707,778	10,189,917	12,089,506	7,428,355	-
Percent of Total State Sales		75	76	79	69	-

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatts)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Kansas										
Electric Utilities.....	9,915	10,244	10,731	10,705	10,734	10,829	10,944	11,246	99.5	93.8
Coal.....	5,407	5,310	5,265	5,222	5,250	5,203	5,208	5,190	54.3	43.3
Petroleum.....	494	546	564	587	583	565	569	564	5.0	4.7
Natural Gas.....	2,850	3,219	3,735	3,729	3,734	3,793	3,900	4,232	28.6	35.3
Nuclear.....	1,164	1,170	1,165	1,166	1,166	1,166	1,166	1,160	11.7	9.7
Other Renewables.....	-	-	2	1	1	101	101	100	-	0.8
Independent Power Producers and Combined Heat and Power	49	152	145	145	295	295	297	746	0.5	6.2
Petroleum.....	4	4	-	-	-	-	-	-	*	-
Natural Gas.....	43	33	31	31	31	31	33	31	0.4	0.3
Hydroelectric.....	2	2	3	3	3	3	3	3	*	*
Other Renewables.....	-	112	112	112	262	262	262	712	-	5.9
Total Electric Industry.....	9,965	10,396	10,876	10,850	11,029	11,124	11,241	11,992	100.0	100.0
Coal.....	5,407	5,310	5,265	5,222	5,250	5,203	5,208	5,190	54.3	43.3
Petroleum.....	498	550	564	587	583	565	569	564	5.0	4.7
Natural Gas.....	2,893	3,252	3,766	3,759	3,764	3,824	3,932	4,262	29.0	35.5
Nuclear.....	1,164	1,170	1,165	1,166	1,166	1,166	1,166	1,160	11.7	9.7
Hydroelectric.....	2	2	3	3	3	3	3	3	*	*
Other Renewables.....	-	112	114	113	263	363	363	812	-	6.8

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatthours)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Kansas										
Electric Utilities.....	41,480,827	46,691,936	46,155,505	46,409,328	45,421,033	44,621,389	49,256,450	45,275,773	99.7	97.1
Coal.....	28,023,687	35,369,189	35,109,616	34,593,346	34,480,731	33,281,380	36,250,263	34,003,262	67.4	72.9
Petroleum.....	122,143	508,857	963,751	853,742	986,378	51,142	207,149	130,190	0.3	0.3
Natural Gas.....	2,924,279	1,772,188	1,190,819	826,668	1,132,201	1,832,168	2,124,086	2,229,671	7.0	4.8
Nuclear.....	10,410,718	9,041,702	8,889,667	10,132,736	8,820,945	9,350,269	10,369,136	8,497,160	25.0	18.2
Other Renewables.....	-	-	1,651	2,835	778	106,430	305,817	415,490	-	0.9
Independent Power Producers and Combined Heat and Power.....	104,401	496,510	412,056	373,331	441,663	902,347	865,745	1,354,548	0.3	2.9
Petroleum.....	458	221	381	21	*	-	-	-	*	-
Natural Gas.....	92,518	16,864	34,951	4,966	5,281	7,238	8,523	52	0.2	*
Hydroelectric.....	11,425	12,746	12,435	12,547	11,337	9,649	10,501	10,574	*	*
Other Renewables.....	-	466,679	364,288	355,797	425,045	885,460	846,721	1,343,922	-	2.9
Total Electric Industry.....	41,585,228	47,188,446	46,567,561	46,782,659	45,862,696	45,523,736	50,122,196	46,630,321	100.0	100.0
Coal.....	28,023,687	35,369,189	35,109,616	34,593,346	34,480,731	33,281,380	36,250,263	34,003,262	67.4	72.9
Petroleum.....	122,601	509,078	964,132	853,763	986,378	51,142	207,149	130,190	0.3	0.3
Natural Gas.....	3,016,797	1,789,052	1,225,770	831,634	1,137,482	1,839,406	2,132,609	2,229,723	7.3	4.8
Nuclear.....	10,410,718	9,041,702	8,889,667	10,132,736	8,820,945	9,350,269	10,369,136	8,497,160	25.0	18.2
Hydroelectric.....	11,425	12,746	12,435	12,547	11,337	9,649	10,501	10,574	*	*
Other Renewables.....	-	466,679	365,939	358,632	425,823	991,890	1,152,538	1,759,412	-	3.8

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1998 and 2002 Through 2008

Fuel, Quality	1998	2002	2003	2004	2005	2006	2007	2008
Kansas								
Coal (cents per million Btu)	98	98	101	103	112	119	123	141
Average heat value (Btu per pound).....	8,696	8,571	8,619	8,626	8,569	8,607	8,582	8,545
Average sulfur Content (percent)	0.45	0.44	0.48	0.44	0.44	0.45	0.41	0.39
Petroleum (cents per million Btu) ¹	266	273	362	407	556	485	340	711
Average heat value (Btu per gallon).....	144,688	157,186	156,948	156,855	155,174	144,821	137,017	136,552
Average sulfur Content (percent)	0.52	1.58	1.62	1.66	1.81	2.79	3.85	3.64
Natural Gas (cents per million Btu).....	214	309	530	546	770	624	619	W
Average heat value (Btu per cubic foot).....	1,001	1,004	1,014	1,008	1,010	1,014	1,020	1,015

¹ Petroleum includes petroleum liquids and petroleum coke.

Btu = British thermal unit.

W = Withheld to avoid disclosure of individual company data.

Note: Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. There may be a notable increase in fuel receipts beginning with 2008. For more information, please see the Technical Notes in the Electric Power Annual.

Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report." Federal Energy Regulatory Commission, FERC Form 423, "Monthly Cost and Quality of Fuels for Electric Plants." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 7. Electric Power Industry Emissions Estimates, 1998 and 2002 Through 2008 (Thousand Metric Tons)

Emission Type	1998	2002	2003	2004	2005	2006	2007	2008
Kansas								
Sulfur Dioxide								
Coal	107	113	119	104	112	98	102	85
Petroleum	*	5	9	8	12	3	3	2
Natural Gas	* ^R	* ^R	*	*	*	*	*	*
Total	107	118	128	112	124	101	105	87
Nitrogen Oxide								
Coal	68	83	82	81	77	69	60	45
Petroleum	2	1	3	2	3	2	2	1
Natural Gas	8	5	4	2	3	3	2	4
Total	77	89	88	85	82	74	64	49
Carbon Dioxide								
Coal	29,460 ^R	37,341 ^R	37,175 ^R	36,680 ^R	36,140 ^R	34,565 ^R	37,661 ^R	35,469
Petroleum	128 ^R	462 ^R	852 ^R	825 ^R	949 ^R	52 ^R	260 ^R	158
Natural Gas	2,068 ^R	1,155 ^R	841 ^R	600 ^R	929 ^R	1,376 ^R	1,392 ^R	1,438
Total	31,655 ^R	38,957 ^R	38,868 ^R	38,104 ^R	38,018 ^R	35,992 ^R	39,313 ^R	37,065

R = Revised.

* = 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 *).

Source: Calculations made by the Electric Power Division, U. S. Energy Information Administration.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1998 and 2002 Through 2008

Sector	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Kansas										
Retail Sales (thousand megawatthours)										
Residential	11,832	12,745	12,602	12,417	13,406	13,503	13,806	13,392	34.7	33.9
Commercial	12,073	13,392	13,751	13,831	14,453	14,786	15,474	15,358	35.4	38.9
Industrial	9,762	10,195	10,382	10,879	11,165	11,462	10,885	10,766	28.6	27.2
Other	473	381	NA	NA	NA	NA	NA	NA	1.4	--
All Sectors	34,140	36,714	36,735	37,127	39,024	39,751	40,166	39,516	100.0	100.0
Retail Revenue (million dollars)										
Residential	905	977	971	962	1,059	1,114	1,131	1,190	42.2	40.4
Commercial	766	841	882	893	954	1,030	1,056	1,140	35.7	38.8
Industrial	435	462	479	510	542	596	558	613	20.3	20.8
Other	38	35	NA	NA	NA	NA	NA	NA	1.8	--
All Sectors	2,145	2,315	2,333	2,364	2,555	2,740	2,746	2,943	100.0	100.0
Average Retail Prices (cents/kWh)										
Residential	7.65	7.67	7.71	7.74	7.90	8.25	8.19	8.88	--	--
Commercial	6.34	6.28	6.42	6.45	6.60	6.96	6.83	7.42	--	--
Industrial	4.46	4.53	4.61	4.69	4.85	5.20	5.13	5.69	--	--
Other	7.96	9.30	NA	NA	NA	NA	NA	NA	--	--
All Sectors	6.28	6.31	6.35	6.37	6.55	6.89	6.84	7.45	--	--

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 9. Retail Electricity Sales Statistics, 2008

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Kansas								
Number of Entities	4	118	1	29	1	NA	NA	153
Number of Retail Customers	925,811	234,645	7	281,567	7	NA	NA	1,442,037
Retail Sales (thousand megawatthours)	26,440	6,809	24	6,109	134	NA	NA	39,516
Percentage of Retail Sales	66.91	17.23	0.06	15.46	0.34	--	--	100.00
Revenue from Retail Sales (million dollars)	1,813	538	1	583	8	NA	NA	2,943
Percentage of Revenue	61.62	18.27	0.03	19.81	0.27	--	--	100.00
Average Retail Price (cents/kWh)	6.86	7.90	3.15	9.54	5.95	NA	NA	7.45

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Totals may not equal sum of components because of independent rounding. 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.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 10. Supply and Disposition of Electricity, 1998 and 2002 Through 2008
(Million Kilowatthours)

Category	1998	2002	2003	2004	2005	2006	2007	2008
Kansas								
Supply								
Generation								
Electric Utilities	41,481	46,692	46,156	46,409	45,421	44,621	49,256	45,276
Independent Power Producers	11	479	377	368	436	895	857	1,354
Electric Power Sector Generation Subtotal	41,492	47,171	46,532	46,778	45,857	45,516	50,114	46,630
Combined Heat and Power, Commercial	1	1	1	1	*	-	-	-
Combined Heat and Power, Industrial.....	92	16	34	4	5	7	9	*
Industrial and Commercial Generation Subtotal	93	17	35	5	5	7	9	*
Total Net Generation	41,585	47,188	46,568	46,783	45,863	45,524	50,122	46,630
Total International Imports	4	-	-	-	-	-	*	-
Total Supply	41,589	47,188	46,568	46,783	45,863	45,524	50,122	46,630
Disposition								
Retail Sales								
Full Service Providers	34,140	36,714	36,735	37,022	38,921	39,646	40,031	39,382
Facility Direct Retail Sales ¹	-	-	-	104	103	105	135	134
Total Electric Industry Retail Sales	34,140	36,714	36,735	37,127	39,024	39,751	40,166	39,516
Direct Use	94	61	62	62	5	7	9	*
Total International Exports	-	-	-	*	*	-	-	-
Estimated Losses	2,312	3,285	3,084^R	3,457^R	4,279^R	3,459	3,809	3,579
Total Disposition	36,546	40,060	39,881^R	40,646^R	43,309^R	43,218	43,984	43,095
Net Interstate Trade ²	5,043	7,128	6,687^R	6,137	2,554^R	2,306	6,139	3,535
Net Trade Index (ratio) ³	1.14	1.18	1.17	1.15	1.06	1.05	1.14	1.08

¹ Facility Direct Retail Sales are electricity sales from non utility power producers which reported electricity sales to a retail customer.

² Net Interstate Trade is the difference between Total Supply and Total Disposition.

³ Net Trade Index is the ratio of Total Supply to Total Disposition.

R = Revised.

* = 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 *).

- (dash) = Data not available.

Notes: Totals may not equal sum of components because of independent rounding. 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. 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.

Sources: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms. U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry 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.

Table 1. 2008 Summary Statistics

Item	Value	U.S. Rank
Kentucky		
NERC Region(s).....		RFC/SERC
Primary Energy Source.....		Coal
Net Summer Capacity (megawatts)	19,902	21
Electric Utilities.....	16,759	16
Independent Power Producers & Combined Heat and Power.....	3,143	29
Net Generation (megawatthours).....	97,863,340	16
Electric Utilities.....	86,012,151	14
Independent Power Producers & Combined Heat and Power.....	11,851,189	29
Emissions (thousand metric tons)		
Sulfur Dioxide	317	9
Nitrogen Oxide	146	6
Carbon Dioxide.....	93,909	7
Sulfur Dioxide (lbs/MWh)	7.1	9
Nitrogen Oxide (lbs/MWh)	3.3	9
Carbon Dioxide (lbs/MWh).....	2,116	5
Total Retail Sales (megawatthours)	93,428,414	14
Full Service Provider Sales (megawatthours)	93,428,414	12
Direct Use (megawatthours)	365,975	41
Average Retail Price (cents/kWh).....	6.26	48

MWh = Megawatthours.

kWh = Kilowatthours.

Sources: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 2. Ten Largest Plants by Generating Capacity, 2008

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
Kentucky			
1. Paradise.....	Coal	Tennessee Valley Authority	2,201
2. Ghent	Coal	Kentucky Utilities Co	1,918
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	1,330
7. H L Spurlock	Coal	East Kentucky Power Coop, Inc	1,103
8. Big Sandy	Coal	Kentucky Power Co	1,060
9. Riverside Generating LLC	Gas	Riverside Generating Co LLC	825
10. Marshall Energy Facility	Gas	Tennessee Valley Authority	621

MW = Megawatt.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2008
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
Kentucky						
1. Kentucky Utilities Co.....	Investor-Owned	18,302,236	6,384,028	6,140,546	5,777,662	-
2. Tennessee Valley Authority	Federal	16,237,805	-	-	16,237,805	-
3. Louisville Gas & Electric Co	Investor-Owned	12,083,069	4,206,411	5,025,828	2,850,830	-
4. Kenergy Corp	Cooperative	9,420,195	752,269	317,495	8,350,431	-
5. Kentucky Power Co.....	Investor-Owned	7,241,902	2,481,169	1,438,973	3,321,760	-
Total Sales, Top Five Providers		63,285,207	13,823,877	12,922,842	36,538,488	-
Percent of Total State Sales		68	50	66	79	-

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatts)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Kentucky										
Electric Utilities.....	13,995	15,419	15,349	15,860	16,234	16,878	16,819	16,759	87.5	84.2
Coal.....	12,517	12,496	12,435	12,441	12,621	12,670	12,682	12,616	78.3	63.4
Petroleum.....	122	108	108	72	72	70	12	12	0.8	0.1
Natural Gas	548	1,993	1,988	2,521	2,714	3,313	3,295	3,295	3.4	16.6
Hydroelectric	808	821	818	817	817	813	815	822	5.1	4.1
Other Renewables.....	-	-	-	9	10	12	15	15	-	0.1
Independent Power Producers and Combined Heat and Power	1,995	3,704	3,719	3,767	3,767	3,169	3,150	3,143	12.5	15.8
Coal.....	1,906	1,716	1,716	1,716	1,716	1,716	1,692	1,686	11.9	8.5
Petroleum.....	85	65	65	65	65	65	65	65	0.5	0.3
Natural Gas	-	1,872	1,887	1,943	1,943	1,343	1,343	1,343	-	6.7
Hydroelectric	-	-	-	-	-	2	2	2	-	*
Other Renewables.....	4	51	51	43	43	43	47	47	*	0.2
Total Electric Industry.....	15,989	19,123	19,068	19,627	20,001	20,047	19,968	19,902	100.0	100.0
Coal.....	14,423	14,212	14,151	14,157	14,337	14,386	14,374	14,301	90.2	71.9
Petroleum.....	207	173	173	137	137	135	77	77	1.3	0.4
Natural Gas	548	3,865	3,875	4,464	4,657	4,656	4,638	4,638	3.4	23.3
Hydroelectric	808	821	818	817	817	815	817	824	5.1	4.1
Other Renewables.....	4	51	51	52	53	55	63	63	*	0.3

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatthours)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Kentucky										
Electric Utilities.....	86,151,121	80,161,524	80,696,982	82,921,402	85,679,912	86,816,479	85,259,079	86,012,151	94.7	87.9
Coal.....	82,412,216	75,308,162	76,367,048	78,574,428	81,188,722	83,068,626	81,877,334	83,197,690	90.6	85.0
Petroleum.....	127,062	135,412	130,280	93,651	96,557	79,520	96,733	106,853	0.1	0.1
Natural Gas.....	495,825	693,201	229,930	398,814	1,349,378	963,428	1,504,922	677,551	0.5	0.7
Other Gases.....	-	-	-	1,701	4,991	3,836	4,745	3,835	-	*
Hydroelectric.....	3,116,018	4,024,749	3,948,052	3,780,251	2,961,193	2,591,701	1,666,237	1,912,432	3.4	2.0
Other Renewables.....	-	-	-	57,029	62,098	87,713	93,440	105,094	-	0.1
Other.....	-	-	21,672	15,528	16,973	21,655	15,669	8,697	-	*
Independent Power Producers and Combined Heat and Power.....	4,781,907	11,945,144	11,021,838	11,608,545	12,142,507	11,975,535	11,966,240	11,851,189	5.3	12.1
Coal.....	4,426,586	7,966,084	7,693,492	7,546,083	7,894,391	8,129,862	8,605,726	8,422,898	4.9	8.6
Petroleum.....	337,886	2,933,086	2,814,631	3,527,448	3,584,128	3,261,378	2,694,566	2,767,586	0.4	2.8
Natural Gas.....	1,783	680,509	214,475	181,026	304,674	213,210	291,416	301,141	*	0.3
Hydroelectric.....	-	-	-	-	-	-	2,350	5,038	-	*
Other Renewables.....	15,652	365,465	299,240	353,989	359,314	371,085	372,183	354,525	*	0.4
Total Electric Industry.....	90,933,028	92,106,668	91,718,820	94,529,947	97,822,419	98,792,014	97,225,319	97,863,340	100.0	100.0
Coal.....	86,838,802	83,274,246	84,060,540	86,120,511	89,083,113	91,198,488	90,483,059	91,620,588	95.5	93.6
Petroleum.....	464,948	3,068,498	2,944,911	3,621,099	3,680,685	3,340,898	2,791,299	2,874,440	0.5	2.9
Natural Gas.....	497,608	1,373,710	444,405	579,840	1,654,052	1,176,638	1,796,337	978,692	0.5	1.0
Other Gases.....	-	-	-	1,701	4,991	3,836	4,745	3,835	-	*
Hydroelectric.....	3,116,018	4,024,749	3,948,052	3,780,251	2,961,193	2,591,701	1,668,587	1,917,470	3.4	2.0
Other Renewables.....	15,652	365,465	299,240	411,018	421,412	458,798	465,623	459,619	*	0.5
Other.....	-	-	21,672	15,528	16,973	21,655	15,669	8,697	-	*

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1998 and 2002 Through 2008

Fuel, Quality	1998	2002	2003	2004	2005	2006	2007	2008
Kentucky								
Coal (cents per million Btu)	106	119	123	137	W	170	175	214
Average heat value (Btu per pound).....	11,579	11,464	11,498	11,550	11,620	11,568	11,661	11,534
Average sulfur Content (percent)	2.37	2.16	2.12	2.09	2.21	2.23	2.22	2.33
Petroleum (cents per million Btu) ¹	278	465	W	W	117	127	W	203
Average heat value (Btu per gallon).....	115,748	137,640	132,664	131,967	132,710	132,305	134,155	134,110
Average sulfur Content (percent)	1.91	1.04	3.90	4.79	5.11	5.23	5.23	5.24
Natural Gas (cents per million Btu).....	332	351	658	W	949	W	W	W
Average heat value (Btu per cubic foot).....	1,024	1,003	1,017	1,017	1,026	1,025	1,025	1,023

¹ Petroleum includes petroleum liquids and petroleum coke.
Btu = British thermal unit.

W = Withheld to avoid disclosure of individual company data.

Note: Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. There may be a notable increase in fuel receipts beginning with 2008. For more information, please see the Technical Notes in the Electric Power Annual.

Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report." Federal Energy Regulatory Commission, FERC Form 423, "Monthly Cost and Quality of Fuels for Electric Plants." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 7. Electric Power Industry Emissions Estimates, 1998 and 2002 Through 2008
(Thousand Metric Tons)

Emission Type	1998	2002	2003	2004	2005	2006	2007	2008
Kentucky								
Sulfur Dioxide								
Coal	567	428	474	460	445	380	336	307
Petroleum	*	16	7	5	9	8	8	7
Natural Gas	<u>R</u>	*	<u>R</u>	<u>R</u>	*	*	*	*
Other Renewables	*	3	3	3	3	3	3	3
Other	-	*	*	*	*	*	*	*
Total	567	447	483	469	457	391	348	317
Nitrogen Oxide								
Coal	289	168	159	143	140	146	148	140
Petroleum	*	11	9	6	8	8	8	3
Natural Gas	1	2	*	1	3	2	2	1
Other Gases	-	*	*	-	-	-	-	*
Other Renewables	*	1	1	2	2	2	2	2
Other	-	*	*	*	*	*	*	*
Total	290	183	169	151	152	158	161	146
Carbon Dioxide								
Coal	82,288 ^R	82,929 ^R	82,298 ^R	83,420 ^R	85,870 ^R	89,391 ^R	88,813 ^R	89,931
Petroleum	538 ^R	4,080 ^R	3,445 ^R	4,168 ^R	4,176 ^R	3,817 ^R	3,161 ^R	3,243
Natural Gas	314 ^R	961 ^R	574 ^R	474 ^R	1,157 ^R	869 ^R	1,257 ^R	726
Other	-	-	27	20	22	20	15	8
Total	83,140 ^R	87,969 ^R	86,344 ^R	88,082 ^R	91,225 ^R	94,097 ^R	93,246 ^R	93,909

R = Revised.

* = 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 *).

- (dash) = Data not available.

Source: Calculations made by the Electric Power Division, U. S. Energy Information Administration.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1998 and 2002 Through 2008

Sector	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Kentucky										
Retail Sales (thousand megawatthours)										
Residential	21,669	25,347	24,704	25,187	26,947	25,949	28,004	27,562	28.6	29.5
Commercial	12,729	14,745	17,946	18,443	19,091	18,941	20,035	19,669	16.8	21.1
Industrial	38,260	43,812	42,570	42,891	43,314	43,853	44,366	46,198	50.4	49.4
Other	3,192	3,362	NA	NA	NA	NA	NA	NA	4.2	--
All Sectors	75,850	87,267	85,220	86,521	89,351	88,743	92,404	93,428	100.0	100.0
Retail Revenue (million dollars)										
Residential	1,216	1,431	1,435	1,538	1,769	1,822	2,056	2,190	38.5	37.4
Commercial	675	782	963	1,034	1,147	1,219	1,354	1,433	21.4	24.5
Industrial	1,115	1,353	1,365	1,432	1,561	1,776	1,984	2,224	35.3	38.0
Other	149	155	NA	NA	NA	NA	NA	NA	4.7	--
All Sectors	3,155	3,721	3,763	4,004	4,477	4,817	5,393	5,848	100.0	100.0
Average Retail Prices (cents/kWh)										
Residential	5.61	5.65	5.81	6.11	6.57	7.02	7.34	7.94	--	--
Commercial	5.30	5.30	5.37	5.60	6.01	6.44	6.76	7.29	--	--
Industrial	2.91	3.09	3.21	3.34	3.60	4.05	4.47	4.82	--	--
Other	4.67	4.61	NA	NA	NA	NA	NA	NA	--	--
All Sectors	4.16	4.26	4.42	4.63	5.01	5.43	5.84	6.26	--	--

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 9. Retail Electricity Sales Statistics, 2008

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Kentucky								
Number of Entities	5	31	1	24	1	NA	NA	62
Number of Retail Customers	1,217,468	211,247	22	801,717	1	NA	NA	2,230,455
Retail Sales (thousand megawatthours)	43,045	7,034	16,238	27,058	53	NA	NA	93,428
Percentage of Retail Sales	46.07	7.53	17.38	28.96	0.06	--	--	100.00
Revenue from Retail Sales (million dollars)	2,799	506	696	1,842	5	NA	NA	5,848
Percentage of Revenue	47.86	8.66	11.90	31.50	0.08	--	--	100.00
Average Retail Price (cents/kWh)	6.50	7.20	4.28	6.81	8.65	NA	NA	6.26

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Totals may not equal sum of components because of independent rounding. 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.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 10. Supply and Disposition of Electricity, 1998 and 2002 Through 2008
(Million Kilowatthours)

Category	1998	2002	2003	2004	2005	2006	2007	2008
Kentucky								
Supply								
Generation								
Electric Utilities	86,151	80,162	80,697	82,921	85,680	86,816	85,259	86,012
Independent Power Producers	4,766	11,369	10,566	11,097	11,622	11,449	11,397	11,316
Electric Power Sector Generation Subtotal	90,917	91,530	91,263	94,018	97,302	98,266	96,656	97,328
Combined Heat and Power, Industrial.....	16	576	456	512	521	526	569	535
Industrial and Commercial Generation Subtotal	16	576	456	512	521	526	569	535
Total Net Generation	90,933	92,107	91,719	94,530	97,822	98,792	97,225	97,863
Total Supply	90,933	92,107	91,719	94,530	97,822	98,792	97,225	97,863
.....								
Disposition								
Retail Sales								
Full Service Providers	75,850	87,267	85,176	86,521	89,218	88,616	92,352	93,375
Facility Direct Retail Sales ¹	-	-	44	-	133	127	52	53
Total Electric Industry Retail Sales	75,850	87,267	85,220	86,521	89,351	88,743	92,404	93,428
Direct Use	11	186	188	188	389	400	477	366
Total International Exports	-	-	-	-	*	-	-	-
Estimated Losses	5,137	6,459	5,686^R	6,767^R	6,689^R	6,515	7,410	5,510
Total Disposition	80,998	93,912	91,094^R	93,477^R	96,430^R	95,659	100,291	99,304
.....								
Net Interstate Trade ²	9,935	-1,805	625^R	1,053^R	1,392^R	3,133	-3,065	-1,441
Net Trade Index (ratio) ³	1.12	0.98	1.01	1.01	1.01	1.03	0.97	0.99

¹ Facility Direct Retail Sales are electricity sales from non utility power producers which reported electricity sales to a retail customer.

² Net Interstate Trade is the difference between Total Supply and Total Disposition.

³ Net Trade Index is the ratio of Total Supply to Total Disposition.

R = Revised.

* = 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 *).

- (dash) = Data not available.

Notes: Totals may not equal sum of components because of independent rounding. 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. 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.

Sources: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms. U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry 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.

Table 1. 2008 Summary Statistics

Item	Value	U.S. Rank
Louisiana		
NERC Region(s).....		SERC/SPP
Primary Energy Source.....		Gas
Net Summer Capacity (megawatts)	26,183	14
Electric Utilities.....	15,755	18
Independent Power Producers & Combined Heat and Power.....	10,428	10
Net Generation (megawatthours).....	92,453,141	17
Electric Utilities.....	43,164,448	27
Independent Power Producers & Combined Heat and Power.....	49,288,693	8
Emissions (thousand metric tons)		
Sulfur Dioxide	93	22
Nitrogen Oxide	74	16
Carbon Dioxide.....	54,603	17
Sulfur Dioxide (lbs/MWh)	2.2	36
Nitrogen Oxide (lbs/MWh)	1.8	29
Carbon Dioxide (lbs/MWh).....	1,302	28
Total Retail Sales (megawatthours)	78,721,932	20
Full Service Provider Sales (megawatthours)	78,721,932	19
Direct Use (megawatthours)	23,878,416	2
Average Retail Price (cents/kWh).....	9.44	18

MWh = Megawatthours.

kWh = Kilowatthours.

Sources: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 2. Ten Largest Plants by Generating Capacity, 2008

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
Louisiana			
1. Willow Glen	Gas	Entergy Gulf States Louisiana LLC	1,762
2. Big Cajun 2	Coal	Louisiana Generating LLC	1,743
3. Nine Mile Point	Gas	Entergy Louisiana Inc	1,703
4. R S Nelson	Coal	Entergy Gulf States Louisiana LLC	1,416
5. Little Gypsy	Gas	Entergy Louisiana Inc	1,178
6. Waterford 3.....	Nuclear	Entergy Louisiana Inc	1,176
7. Acadia Energy Center.....	Gas	Acadia Power Partners	1,063
8. River Bend.....	Nuclear	Entergy Gulf States Louisiana LLC	978
9. Rodemacher	Coal	Cleco Power LLC	952
10. Waterford 1 & 2.....	Gas	Entergy Louisiana Inc	816
10. Ouachita	Gas	Entergy Louisiana Inc	816

MW = Megawatt.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2008
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
Louisiana						
1. Entergy Louisiana Inc.....	Investor-Owned	27,891,882	8,487,404	6,242,644	13,161,834	-
2. Entergy Gulf States Louisiana LLC.....	Investor-Owned	18,491,493	4,888,374	5,187,305	8,415,814	-
3. Cleco Power LLC.....	Investor-Owned	9,027,354	3,545,376	2,583,802	2,898,176	-
4. Southwestern Electric Power Co.....	Investor-Owned	5,640,922	2,404,828	2,383,006	853,088	-
5. Entergy New Orleans Inc.....	Investor-Owned	4,485,207	1,396,822	2,542,669	540,541	5,175
Total Sales, Top Five Providers.....		65,536,858	20,722,804	18,939,426	25,869,453	5,175
Percent of Total State Sales.....		83	72	83	96	100

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatts)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Louisiana										
Electric Utilities.....	17,014	14,233	14,090	14,176	15,137	15,176	14,756	15,755	83.5	60.2
Coal.....	3,448	1,723	1,723	1,723	1,723	1,723	1,739	1,739	16.9	6.6
Petroleum.....	16	16	16	26	239	239	240	240	0.1	0.9
Natural Gas.....	11,539	10,423	10,284	10,372	11,051	11,095	10,650	11,622	56.6	44.4
Nuclear.....	2,011	2,071	2,067	2,055	2,124	2,119	2,127	2,154	9.9	8.2
Independent Power Producers and Combined Heat and Power.....	3,358	11,399	11,659	12,289	11,648	11,610	11,567	10,428	16.5	39.8
Coal.....	-	1,730	1,730	1,730	1,730	1,730	1,743	1,743	-	6.7
Petroleum.....	192	259	259	259	46	46	106	106	0.9	0.4
Natural Gas.....	2,337	8,962	9,216	9,632	9,046	8,885	8,734	7,723	11.5	29.5
Other Gases.....	105	62	63	65	64	186	167	34	0.5	0.1
Hydroelectric.....	182	192	192	192	192	192	192	192	0.9	0.7
Other Renewables.....	520	170	175	335	333	333	394	394	2.6	1.5
Other.....	21	24	24	77	238	238	231	236	0.1	0.9
Total Electric Industry.....	20,372	25,633	25,749	26,465	26,785	26,786	26,323	26,183	100.0	100.0
Coal.....	3,448	3,453	3,453	3,453	3,453	3,453	3,482	3,482	16.9	13.3
Petroleum.....	208	275	275	285	285	285	346	346	1.0	1.3
Natural Gas.....	13,876	19,385	19,499	20,004	20,096	19,980	19,384	19,345	68.1	73.9
Other Gases.....	105	62	63	65	64	186	167	34	0.5	0.1
Nuclear.....	2,011	2,071	2,067	2,055	2,124	2,119	2,127	2,154	9.9	8.2
Hydroelectric.....	182	192	192	192	192	192	192	192	0.9	0.7
Other Renewables.....	520	170	175	335	333	333	394	394	2.6	1.5
Other.....	21	24	24	77	238	238	231	236	0.1	0.9

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatthours)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Louisiana										
Electric Utilities.....	66,107,474	54,921,960	43,485,059	47,603,602	44,157,533	40,891,159	43,523,037	43,164,448	73.7	46.7
Coal.....	20,761,891	12,258,694	11,020,325	11,324,239	11,415,901	11,544,776	10,596,391	11,212,908	23.2	12.1
Petroleum.....	600,078	68,460	1,007,874	3,693,520	3,377,765	1,756,919	1,976,897	1,900,833	0.7	2.1
Natural Gas.....	28,318,004	25,085,994	15,093,742	15,138,928	13,687,514	10,854,016	13,872,177	14,679,719	31.6	15.9
Other Gases.....	-	203,484	236,796	366,934	-	-	-	-	-	-
Nuclear.....	16,427,501	17,305,328	16,126,322	17,079,981	15,676,353	16,735,448	17,077,572	15,370,988	18.3	16.6
Independent Power Producers and Combined Heat and Power.....	23,541,137	40,049,003	51,399,981	50,568,707	48,459,345	50,030,670	49,055,292	49,288,693	26.3	53.3
Coal.....	19,639	9,792,212	11,868,605	12,333,572	11,671,464	12,850,429	12,454,792	12,887,134	*	13.9
Petroleum.....	1,693,442	1,796,076	1,930,074	209,795	163,319	115,177	273,736	404,180	1.9	0.4
Natural Gas.....	16,657,192	22,814,853	30,340,455	31,030,610	30,480,390	31,079,319	30,042,838	30,664,667	18.6	33.2
Other Gases.....	918,066	1,294,140	2,450,434	2,165,923	1,896,725	1,594,675	1,810,997	1,101,057	1.0	1.2
Hydroelectric.....	1,062,824	891,441	891,991	1,098,825	810,948	713,215	826,642	1,064,373	1.2	1.2
Other Renewables.....	2,871,881	2,810,480	3,078,304	2,966,391	2,886,768	2,962,363	2,979,883	2,709,675	3.2	2.9
Other.....	318,093	649,801	840,117	763,590	549,731	715,492	666,404	457,607	0.4	0.5
Total Electric Industry.....	89,648,611	94,970,963	94,885,040	98,172,309	92,616,878	90,921,829	92,578,329	92,453,141	100.0	100.0
Coal.....	20,781,530	22,050,906	22,888,930	23,657,811	23,087,365	24,395,205	23,051,183	24,100,042	23.2	26.1
Petroleum.....	2,293,520	1,864,536	2,937,948	3,903,315	3,541,084	1,872,096	2,250,633	2,305,013	2.6	2.5
Natural Gas.....	44,975,196	47,900,847	45,434,197	46,169,538	44,167,904	41,933,335	43,915,015	45,344,386	50.2	49.0
Other Gases.....	918,066	1,497,624	2,687,230	2,532,857	1,896,725	1,594,675	1,810,997	1,101,057	1.0	1.2
Nuclear.....	16,427,501	17,305,328	16,126,322	17,079,981	15,676,353	16,735,448	17,077,572	15,370,988	18.3	16.6
Hydroelectric.....	1,062,824	891,441	891,991	1,098,825	810,948	713,215	826,642	1,064,373	1.2	1.2
Other Renewables.....	2,871,881	2,810,480	3,078,304	2,966,391	2,886,768	2,962,363	2,979,883	2,709,675	3.2	2.9
Other.....	318,093	649,801	840,117	763,590	549,731	715,492	666,404	457,607	0.4	0.5

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1998 and 2002 Through 2008

Fuel, Quality	1998	2002	2003	2004	2005	2006	2007	2008
Louisiana								
Coal (cents per million Btu)	143	W	W	W	W	W	W	W
Average heat value (Btu per pound).....	8,097	8,095	8,023	8,146	8,136	8,205	8,246	8,183
Average sulfur Content (percent)	0.56	0.52	0.50	0.51	0.54	0.49	0.39	0.41
Petroleum (cents per million Btu) ¹	222	63	247	286	427	W	W	425
Average heat value (Btu per gallon).....	153,400	140,393	145,807	147,379	147,057	142,607	139,310	140,002
Average sulfur Content (percent)	0.98	5.40	3.77	3.45	3.34	4.92	6.13	5.52
Natural Gas (cents per million Btu).....	227	342	561	633	879	737	720	945
Average heat value (Btu per cubic foot).....	1,043	1,034	1,033	1,031	1,034	1,035	1,034	1,035

¹ Petroleum includes petroleum liquids and petroleum coke.

Btu = British thermal unit.

W = Withheld to avoid disclosure of individual company data.

Note: Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. There may be a notable increase in fuel receipts beginning with 2008. For more information, please see the Technical Notes in the Electric Power Annual.

Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report." Federal Energy Regulatory Commission, FERC Form 423, "Monthly Cost and Quality of Fuels for Electric Plants." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 7. Electric Power Industry Emissions Estimates, 1998 and 2002 Through 2008
(Thousand Metric Tons)

Emission Type	1998	2002	2003	2004	2005	2006	2007	2008
Louisiana								
Sulfur Dioxide								
Coal	100	89	87	87	82	81	65	62
Petroleum	66	61	83	20	19	17	13	15
Natural Gas	*	*	*	*	*	*	*	*
Other Gases	*	*	*	*	*	*	*	*
Other Renewables	22	19	21	22	24	23	23	13
Other	2	2	3	3	4	4	4	2
Total	189	171	195	132	128	125	105	93
Nitrogen Oxide								
Coal	41	39	39	37	35	33	26	24
Petroleum	21	7	9	4	3	3	3	2
Natural Gas	79	52	53	50	43	40	44	40
Other Gases	2	2	5	6	5	4	4	2
Other Renewables	9	10	8	8	8	9	8	6
Other	1	*	1	1	1	2	2	*
Total	153	110	115	106	96	90	88	74
Carbon Dioxide								
Coal	21,755 ^R	22,416 ^R	23,838 ^R	24,812 ^R	24,561 ^R	25,628 ^R	24,153 ^R	25,270
Petroleum	2,559 ^R	2,063 ^R	3,040 ^R	4,400 ^R	3,873 ^R	2,590 ^R	3,087 ^R	2,647
Natural Gas	31,913 ^R	30,677 ^R	29,183 ^R	29,312 ^R	28,796 ^R	25,938 ^R	27,122 ^R	26,494
Other	157 ^R	164 ^R	255 ^R	305 ^R	303 ^R	357 ^R	339 ^R	192
Total	56,384 ^R	55,319 ^R	56,316 ^R	58,828 ^R	57,533 ^R	54,513 ^R	54,701 ^R	54,603

R = Revised.

* = 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 *).

Source: Calculations made by the Electric Power Division, U. S. Energy Information Administration.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1998 and 2002 Through 2008

Sector	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Louisiana										
Retail Sales (thousand megawatthours)										
Residential	26,709	28,157	28,572	28,863	28,654	28,113	28,878	28,846	34.4	36.6
Commercial	17,274	18,686	21,944	22,568	21,692	21,979	22,887	22,939	22.2	29.1
Industrial	30,999	29,662	27,251	28,290	27,031	27,373	27,799	26,932	39.9	34.2
Other	2,734	2,756	NA	NA	NA	NA	NA	NA	3.5	--
Transportation.....	NA	NA	3	16	12	3	3	5	--	*
All Sectors	77,716	79,261	77,769	79,737	77,389	77,468	79,567	78,722	100.0	100.0
Retail Revenue (million dollars).....										
Residential	1,889	2,000	2,241	2,324	2,542	2,568	2,707	2,967	42.1	39.9
Commercial	1,132	1,242	1,628	1,710	1,857	1,984	2,089	2,322	25.2	31.3
Industrial.....	1,288	1,310	1,518	1,646	1,814	1,881	1,883	2,139	28.7	28.8
Other	181	194	NA	NA	NA	NA	NA	NA	4.0	--
Transportation.....	NA	NA	*	1	1	*	*	1	--	*
All Sectors	4,490	4,746	5,387	5,682	6,214	6,433	6,679	7,428	100.0	100.0
Average Retail Prices (cents/kWh)										
Residential	7.07	7.10	7.84	8.05	8.87	9.14	9.37	10.28	--	--
Commercial	6.56	6.64	7.42	7.58	8.56	9.03	9.13	10.12	--	--
Industrial.....	4.15	4.42	5.57	5.82	6.71	6.87	6.77	7.94	--	--
Other	6.62	7.05	NA	NA	NA	NA	NA	NA	--	--
Transportation.....	NA	NA	7.32	7.09	7.63	14.10	13.91	11.88	--	--
All Sectors	5.78	5.99	6.93	7.13	8.03	8.30	8.39	9.44	--	--

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

* = 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 *).

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 9. Retail Electricity Sales Statistics, 2008

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Louisiana								
Number of Entities.....	5	21	NA	13	NA	NA	NA	39
Number of Retail Customers	1,622,192	163,669	NA	419,517	NA	NA	NA	2,205,378
Retail Sales (thousand megawatthours).....	65,537	4,523	NA	8,662	NA	NA	NA	78,722
Percentage of Retail Sales	83.25	5.75	--	11.00	--	--	--	100.00
Revenue from Retail Sales (million dollars)	6,364	403	NA	661	NA	NA	NA	7,428
Percentage of Revenue	85.67	5.42	--	8.90	--	--	--	100.00
Average Retail Price (cents/kWh).....	9.71	8.91	NA	7.63	NA	NA	NA	9.44

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Totals may not equal sum of components because of independent rounding. 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.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 10. Supply and Disposition of Electricity, 1998 and 2002 Through 2008
(Million Kilowatthours)

Category	1998	2002	2003	2004	2005	2006	2007	2008
Louisiana								
Supply								
Generation								
Electric Utilities	66,107	54,922	43,485	47,604	44,158	40,891	43,523	43,164
Independent Power Producers	1,264	16,941	21,184	18,811	18,095	18,740	17,735	18,768
Combined Heat and Power, Electric	1,664	1,650	1,845	5,233	8,254	4,165	4,416	4,317
Electric Power Sector Generation Subtotal	69,035	73,513	66,513	71,648	70,507	63,796	65,674	66,249
Combined Heat and Power, Commercial	28	32	23	20	38	39	43	46
Combined Heat and Power, Industrial.....	20,585	21,426	28,348	26,505	22,072	27,087	26,862	26,157
Industrial and Commercial Generation Subtotal	20,613	21,458	28,372	26,525	22,110	27,125	26,905	26,204
Total Net Generation	89,649	94,971	94,885	98,172	92,617	90,922	92,578	92,453
Total Supply	89,649	94,971	94,885	98,172	92,617	90,922	92,578	92,453
Disposition								
Retail Sales								
Full Service Providers	77,716	79,261	77,727	79,737	77,389	77,468	79,567	78,722
Facility Direct Retail Sales ¹	-	-	43	-	-	-	-	-
Total Electric Industry Retail Sales	77,716	79,261	77,769	79,737	77,389	77,468	79,567	78,722
Direct Use	20,352	21,772	22,048	22,071	20,420	23,506	23,490	23,878
Estimated Losses	5,263	4,696	4,195^R	5,188^R	5,527^R	5,464	5,877	5,054
Total Disposition	103,331	105,728	104,013^R	106,996^R	103,336^R	106,438	108,934	107,654
Net Interstate Trade ²	-13,682	-10,757	-9,128^R	-8,824^R	-10,719^R	-15,516	-16,355	-15,201
Net Trade Index (ratio) ³	0.87	0.90	0.91	0.92	0.90	0.85	0.85	0.86

¹ Facility Direct Retail Sales are electricity sales from non utility power producers which reported electricity sales to a retail customer.

² Net Interstate Trade is the difference between Total Supply and Total Disposition.

³ Net Trade Index is the ratio of Total Supply to Total Disposition.

R = Revised.

- (dash) = Data not available.

Notes: Totals may not equal sum of components because of independent rounding. 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. 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.

Sources: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms. U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry 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.

Table 1. 2008 Summary Statistics

Item	Value	U.S. Rank
Maine		
NERC Region(s).....		NPCC
Primary Energy Source.....		Gas
Net Summer Capacity (megawatts)	4,239	42
Electric Utilities.....	19	49
Independent Power Producers & Combined Heat and Power.....	4,219	23
Net Generation (megawatthours).....	17,094,919	43
Electric Utilities.....	1,080	49
Independent Power Producers & Combined Heat and Power.....	17,093,839	21
Emissions (thousand metric tons)		
Sulfur Dioxide	26	36
Nitrogen Oxide.....	11	45
Carbon Dioxide.....	5,313	45
Sulfur Dioxide (lbs/MWh)	3.4	27
Nitrogen Oxide (lbs/MWh)	1.4	34
Carbon Dioxide (lbs/MWh).....	685	44
Total Retail Sales (megawatthours).....	11,673,673	45
Full Service Provider Sales (megawatthours)	154,046	51
Deregulated Sales (megawatthours)	11,519,627	9
Direct Use (megawatthours)	3,650,994	13
Average Retail Price (cents/kWh).....	13.83	9

MWh = Megawatthours.

kWh = Kilowatthours.

Sources: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 2. Ten Largest Plants by Generating Capacity, 2008

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
Maine			
1. William F Wyman	Petroleum	FPL Energy Wyman LLC	822
2. Westbrook Energy Center	Gas	Calpine Operating Services Company Inc	506
3. Maine Independence Station	Gas	Casco Bay Energy Co LLC	490
4. Rumford Power Associates	Gas	Rumford Power	254
5. Verso Paper.....	Gas	Verso Bucksport LLC	250
6. Androscoggin Energy Center	Gas	Verso Paper Androscoggin LLC	137
7. Great Lakes Hydro America - ME	Hydroelectric	Great Lakes Hydro America LLC	129
8. Sappi Fine Paper North America, Somerset Facility	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

MW = Megawatt.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2008
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
1. NextEra Energy Power Marketing LLC.....	Other Provider	2,545,067	1,419,889	627,937	497,241	-
2. CECG Maine, LLC.....	Other Provider	2,130,258	1,633,991	355,062	141,205	-
3. Constellation NewEnergy, Inc.....	Other Provider	1,902,861	-	1,560,345	342,516	-
4. Independence Power Marketing.....	Other Provider	1,048,823	1,048,823	-	-	-
5. Integrys Energy Services, Inc.....	Other Provider	993,423	232,440	204,798	556,185	-
Total Sales, Top Five Providers.....		8,620,432	4,335,143	2,748,142	1,537,147	-
Percent of Total State Sales.....		74	100	66	48	-

-(dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatts)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Electric Utilities.....	1,457	16	19	19	19	19	19	19	51.6	0.5
Petroleum.....	1,025	16	19	19	19	19	19	19	36.3	0.5
Hydroelectric.....	402	-	-	-	-	-	-	-	14.2	-
Other Renewables.....	30	-	-	-	-	-	-	-	1.0	-
Independent Power Producers and Combined Heat and Power.....	1,368	4,272	4,266	4,170	4,166	4,168	4,194	4,219	48.4	99.5
Coal.....	96	85	85	85	85	85	85	85	3.4	2.0
Petroleum.....	181	1,097	1,097	1,010	1,010	1,010	1,011	1,011	6.4	23.9
Natural Gas.....	15	1,674	1,670	1,658	1,658	1,655	1,636	1,645	0.5	38.8
Hydroelectric.....	355	718	721	722	720	719	718	730	12.6	17.2
Other Renewables.....	721	698	693	695	693	699	744	748	25.5	17.6
Total Electric Industry.....	2,825	4,288	4,285	4,190	4,185	4,187	4,213	4,239	100.0	100.0
Coal.....	96	85	85	85	85	85	85	85	3.4	2.0
Petroleum.....	1,207	1,113	1,116	1,029	1,030	1,030	1,031	1,031	42.7	24.3
Natural Gas.....	15	1,674	1,670	1,658	1,658	1,655	1,636	1,645	0.5	38.8
Hydroelectric.....	758	718	721	722	720	719	718	730	26.8	17.2
Other Renewables.....	751	698	693	695	693	699	744	748	26.6	17.6

-(dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatthours)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Maine										
Electric Utilities.....	3,549,008	865	1,409	1,121	827	489	1,317	1,080	32.3	*
Petroleum.....	1,728,702	865	1,409	1,121	827	489	1,317	1,080	15.7	*
Hydroelectric.....	1,820,306	-	-	-	-	-	-	-	16.5	-
Independent Power Producers and Combined Heat and Power.....	7,454,309	22,534,169	18,970,227	19,097,764	18,843,151	16,815,684	16,127,250	17,093,839	67.7	100.0
Coal.....	588,362	603,938	376,532	359,410	320,271	321,262	375,577	351,799	5.3	2.1
Petroleum.....	1,416,461	1,228,621	1,918,139	1,310,792	1,620,564	594,446	817,060	531,905	12.9	3.1
Natural Gas.....	3,369	13,503,963	9,438,704	9,832,187	8,398,453	7,297,856	6,674,594	7,379,615	*	43.2
Other Gases.....	4,943	48	34	38	54	-	-	-	*	-
Hydroelectric.....	1,895,660	2,767,847	3,172,623	3,430,249	4,090,926	4,278,132	3,738,168	4,457,405	17.2	26.1
Other Renewables.....	3,545,514	4,043,533	3,586,010	3,598,037	4,068,189	3,967,651	4,206,979	4,057,985	32.2	23.7
Other.....	-	386,219	478,184	567,052	344,693	356,336	314,872	315,131	-	1.8
Total Electric Industry.....	11,003,317	22,535,034	18,971,636	19,098,885	18,843,978	16,816,173	16,128,567	17,094,919	100.0	100.0
Coal.....	588,362	603,938	376,532	359,410	320,271	321,262	375,577	351,799	5.3	2.1
Petroleum.....	3,145,163	1,229,486	1,919,548	1,311,913	1,621,391	594,935	818,377	532,985	28.6	3.1
Natural Gas.....	3,369	13,503,963	9,438,704	9,832,187	8,398,453	7,297,856	6,674,594	7,379,615	*	43.2
Other Gases.....	4,943	48	34	38	54	-	-	-	*	-
Hydroelectric.....	3,715,966	2,767,847	3,172,623	3,430,249	4,090,926	4,278,132	3,738,168	4,457,405	33.8	26.1
Other Renewables.....	3,545,514	4,043,533	3,586,010	3,598,037	4,068,189	3,967,651	4,206,979	4,057,985	32.2	23.7
Other.....	-	386,219	478,184	567,052	344,693	356,336	314,872	315,131	-	1.8

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1998 and 2002 Through 2008

Fuel, Quality	1998	2002	2003	2004	2005	2006	2007	2008
Maine								
Coal (cents per million Btu)	-	241	W	W	W	W	W	W
Average heat value (Btu per pound).....	-	13,138	13,124	12,854	12,823	12,784	13,171	12,979
Average sulfur Content (percent)	-	0.71	0.69	0.77	0.78	0.70	0.65	0.72
Petroleum (cents per million Btu) ¹	202	388	556	504	W	762	W	1,081
Average heat value (Btu per gallon).....	151,238	150,960	150,319	151,731	152,776	152,495	150,571	149,510
Average sulfur Content (percent)	1.25	1.15	0.81	1.02	1.12	1.33	1.35	1.24
Natural Gas (cents per million Btu).....	-	391	584	628	W	W	W	1,006
Average heat value (Btu per cubic foot).....	-	1,042	1,042	1,044	1,058	1,062	1,056	1,053

¹ Petroleum includes petroleum liquids and petroleum coke.

Btu = British thermal unit.

W = Withheld to avoid disclosure of individual company data.

- (dash) = Data not available.

Note: Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. There may be a notable increase in fuel receipts beginning with 2008. For more information, please see the Technical Notes in the Electric Power Annual.

Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report." Federal Energy Regulatory Commission, FERC Form 423, "Monthly Cost and Quality of Fuels for Electric Plants." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 7. Electric Power Industry Emissions Estimates, 1998 and 2002 Through 2008
(Thousand Metric Tons)

Emission Type	1998	2002	2003	2004	2005	2006	2007	2008
Maine								
Sulfur Dioxide								
Coal.....	3	1	1	2	2	2	2	1
Petroleum.....	38	10	9	9	11	7	11	6
Natural Gas.....	-	*	*	*	*	*	*	*
Other Renewables.....	13 ^R	10	9	9	9	8	8	19
Other.....	1 ^R	1	* ^R	*	*	*	*	*
Total.....	54	22	20	20	22	17	21	26
Nitrogen Oxide								
Coal.....	2	1	1	1	1	1	1	1
Petroleum.....	8	2	3	2	3	2	2	1
Natural Gas.....	*	1	2	2	*	*	*	*
Other Gases.....	*	-	-	-	-	-	-	-
Other Renewables.....	8 ^R	7	7	6	7	6	6	9
Other.....	*	1	1	1	1	1	1	*
Total.....	18	12	13	12	12	10	10	11
Carbon Dioxide								
Coal.....	679 ^R	1,382 ^R	640 ^R	654 ^R	614 ^R	610 ^R	650 ^R	556
Petroleum.....	4,496 ^R	2,002 ^R	2,462 ^R	2,010 ^R	2,498 ^R	1,419 ^R	1,463 ^R	917
Natural Gas.....	3	6,203 ^R	4,170 ^R	4,272 ^R	3,478 ^R	3,121 ^R	2,958 ^R	3,321
Other Renewables.....	312 ^R	-	-	-	-	-	-	-
Other.....	99 ^R	632 ^R	493 ^R	453 ^R	522 ^R	526 ^R	536 ^R	519
Total.....	5,589 ^R	10,218 ^R	7,765 ^R	7,389 ^R	7,111 ^R	5,676 ^R	5,607 ^R	5,313

R = Revised.

* = 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 *).

- (dash) = Data not available.

Source: Calculations made by the Electric Power Division, U. S. Energy Information Administration.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1998 and 2002 Through 2008

Sector	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Maine										
Retail Sales (thousand megawatthours)										
Residential	3,589	4,043	4,219	4,331	4,503	4,351	4,413	4,351	30.9	37.3
Commercial	3,324	3,789	3,959	4,325	4,157	4,134	4,195	4,148	28.7	35.5
Industrial	4,622	3,550	3,793	3,711	3,702	3,800	3,252	3,175	39.8	27.2
Other	63	59	NA	NA	NA	NA	NA	NA	0.5	--
All Sectors	11,599	11,441	11,972	12,368	12,363	12,285	11,860	11,674	100.0	100.0
Retail Revenue (million dollars)										
Residential	467	515	522	527	596	601	729	705	41.3	43.7
Commercial	343	405	409	428	442	514	543	538	30.4	33.3
Industrial	306	250	241	244	269	336	459	372	27.0	23.0
Other	15	14	NA	NA	NA	NA	NA	NA	1.3	--
All Sectors	1,131	1,184	1,172	1,198	1,307	1,450	1,731	1,615	100.0	100.0
Average Retail Prices (cents/kWh)										
Residential	13.02	12.74	12.37	12.16	13.23	13.80	16.52	16.20	--	--
Commercial	10.33	10.68	10.34	9.89	10.63	12.42	12.94	12.98	--	--
Industrial	6.61	7.05	6.35	6.56	7.28	8.83	14.11	11.70	--	--
Other	23.64	23.39	NA	NA	NA	NA	NA	NA	--	--
All Sectors	9.75	10.35	9.79	9.69	10.57	11.80	14.59	13.83	--	--

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 9. Retail Electricity Sales Statistics, 2008

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Maine								
Number of Entities	1	4	NA	3	NA	17	6	31
Number of Retail Customers	34	10,353	NA	2,508	NA	773,061	NA	785,956
Retail Sales (thousand megawatthours)	*	142	NA	12	NA	11,520	NA	11,674
Percentage of Retail Sales	*	1.22	--	0.10	--	98.68	--	100.00
Revenue from Retail Sales (million dollars)	*	17	NA	3	NA	1,089	505	1,615
Percentage of Revenue	*	1.08	--	0.21	--	67.45	31.26	100.00
Average Retail Price (cents/kWh)	14.58	12.27	NA	29.29	NA	9.45	4.38	13.83

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

* = 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 *).

Notes: Totals may not equal sum of components because of independent rounding. 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.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 10. Supply and Disposition of Electricity, 1998 and 2002 Through 2008
(Million Kilowatthours)

Category	1998	2002	2003	2004	2005	2006	2007	2008
Maine								
Supply								
Generation								
Electric Utilities	3,549	1	1	1	1	*	1	1
Independent Power Producers	1,805	13,006	11,668	12,630	13,127	11,091	10,154	10,942
Combined Heat and Power, Electric	842	3,212	1,691	1,400	730	701	702	575
Electric Power Sector Generation Subtotal	6,195	16,219	13,361	14,031	13,858	11,792	10,857	11,517
Combined Heat and Power, Commercial	201	180	183	176	177	172	173	177
Combined Heat and Power, Industrial.....	4,607	6,136	5,428	4,892	4,809	4,852	5,099	5,400
Industrial and Commercial Generation Subtotal	4,808	6,316	5,611	5,068	4,986	5,024	5,272	5,578
Total Net Generation	11,003	22,535	18,972	19,099	18,844	16,816	16,129	17,095
Total International Imports	3,957	2,277	2,676	3,922	4,391	3,774	4,263	1,743
Total Supply	14,960	24,812	21,647	23,021	23,235	20,590	20,391	18,838
Disposition								
Retail Sales								
Full Service Providers	11,599	1,025	398	463	173	169	159	154
Energy-Only Providers.....	-	10,416	11,203	11,775	11,993	11,453	11,702	11,520
Facility Direct Retail Sales ¹	-	-	371	130	196	663	-	-
Total Electric Industry Retail Sales	11,599	11,441	11,972	12,368	12,363	12,285	11,860	11,674
Direct Use	4,659	4,313	4,368	4,372	2,588	4,344	3,974	3,651
Total International Exports	16	192	236	124	368	591	898	718
Estimated Losses	785	424	304	447^R	490^R	376	273	332
Total Disposition	17,059	16,371	16,880	17,311^R	15,809^R	17,597	17,005	16,375
Net Interstate Trade ²	-2,099	8,442	4,768^R	5,710	7,426^R	2,994	3,387	2,463
Net Trade Index (ratio) ³	0.88	1.52	1.28	1.33	1.47	1.17	1.20	1.15

¹ Facility Direct Retail Sales are electricity sales from non utility power producers which reported electricity sales to a retail customer.

² Net Interstate Trade is the difference between Total Supply and Total Disposition.

³ Net Trade Index is the ratio of Total Supply to Total Disposition.

R = Revised.

* = 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 *).

- (dash) = Data not available.

Notes: Totals may not equal sum of components because of independent rounding. 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. 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.

Sources: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms. U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry 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.

Table 1. 2008 Summary Statistics

Item	Value	U.S. Rank
Maryland		
NERC Region(s).....		RFC
Primary Energy Source.....		Coal
Net Summer Capacity (megawatts)	12,585	31
Electric Utilities.....	80	47
Independent Power Producers & Combined Heat and Power.....	12,505	9
Net Generation (megawatthours).....	47,360,953	31
Electric Utilities.....	5,856	48
Independent Power Producers & Combined Heat and Power.....	47,355,097	9
Emissions (thousand metric tons)		
Sulfur Dioxide	226	14
Nitrogen Oxide.....	41	32
Carbon Dioxide.....	29,121	32
Sulfur Dioxide (lbs/MWh)	10.5	1
Nitrogen Oxide (lbs/MWh)	1.9	27
Carbon Dioxide (lbs/MWh).....	1,356	26
Total Retail Sales (megawatthours).....	63,325,777	24
Full Service Provider Sales (megawatthours)	36,765,861	31
Deregulated Sales (megawatthours)	26,559,916	3
Direct Use (megawatthours)	1,204,206	27
Average Retail Price (cents/kWh).....	13.00	11

MWh = Megawatthours.

kWh = Kilowatthours.

Sources: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 2. Ten Largest Plants by Generating Capacity, 2008

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
Maryland			
1. Chalk Point LLC.....	Coal	Mirant Chalk Point LLC	2,413
2. Calvert Cliffs Nuclear Power Plant.....	Nuclear	Calvert Cliffs Nuclear PP Inc	1,735
3. Morgantown Generating Plant	Coal	Mirant Mid-Atlantic LLC	1,486
4. Brandon Shores.....	Coal	Constellation Power Source Gen	1,286
5. Herbert A Wagner	Coal	Constellation Power Source Gen	996
6. Dickerson.....	Coal	Mirant Mid-Atlantic LLC	849
7. NAEA Rock Springs LLC.....	Gas	NAEA Rock Springs LLC	632
8. Conowingo.....	Hydroelectric	Exelon Power	572
9. C P Crane.....	Coal	Constellation Power Source Gen	399
10. Perryman.....	Gas	Constellation Power Source Gen	355

MW = Megawatt.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2008
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
Maryland						
1. Baltimore Gas & Electric Co.....	Investor-Owned	16,868,824	12,669,823	3,957,182	241,819	-
2. Potomac Electric Power Co.....	Investor-Owned	7,595,917	5,428,727	2,167,190	-	-
3. PEPCO Energy Services.....	Other Provider	7,453,960	17,313	7,316,131	-	120,516
4. The Potomac Edison Co.....	Investor-Owned	4,481,014	3,202,917	925,459	352,638	-
5. Constellation NewEnergy, Inc.....	Other Provider	4,427,517	-	3,377,512	651,447	398,558
Total Sales, Top Five Providers		40,827,232	21,318,780	17,743,474	1,245,904	519,074
Percent of Total State Sales		64	79	59	22	98

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatts)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Maryland										
Electric Utilities.....	10,970	69	70	79	79	79	80	80	94.7	0.6
Coal.....	4,647	-	-	-	-	-	-	-	40.1	-
Petroleum.....	2,516	69	70	79	79	79	80	80	21.7	0.6
Natural Gas.....	1,602	-	-	-	-	-	-	-	13.8	-
Nuclear.....	1,675	-	-	-	-	-	-	-	14.5	-
Hydroelectric.....	530	-	-	-	-	-	-	-	4.6	-
Independent Power Producers and Combined Heat and Power	612	11,790	12,401	12,419	12,423	12,421	12,406	12,505	5.3	99.4
Coal.....	60	4,897	4,957	4,958	4,958	4,958	4,958	4,944	0.5	39.3
Petroleum.....	2	2,853	2,752	3,343	3,343	3,061	2,885	2,911	*	23.1
Natural Gas.....	421	1,490	2,144	1,538	1,542	1,821	1,953	2,038	3.6	16.2
Other Gases.....	-	152	152	152	152	152	152	152	-	1.2
Nuclear.....	-	1,685	1,703	1,735	1,735	1,735	1,735	1,735	-	13.8
Hydroelectric.....	-	530	566	566	566	566	590	590	-	4.7
Other Renewables.....	128	183	127	127	127	127	133	135	1.1	1.1
Total Electric Industry.....	11,582	11,859	12,472	12,499	12,503	12,500	12,486	12,585	100.0	100.0
Coal.....	4,707	4,897	4,957	4,958	4,958	4,958	4,958	4,944	40.6	39.3
Petroleum.....	2,518	2,922	2,822	3,422	3,422	3,140	2,965	2,991	21.7	23.8
Natural Gas.....	2,024	1,490	2,144	1,538	1,542	1,821	1,953	2,038	17.5	16.2
Other Gases.....	-	152	152	152	152	152	152	152	-	1.2
Nuclear.....	1,675	1,685	1,703	1,735	1,735	1,735	1,735	1,735	14.5	13.8
Hydroelectric.....	530	530	566	566	566	566	590	590	4.6	4.7
Other Renewables.....	128	183	127	127	127	127	133	135	1.1	1.1

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatthours)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Maryland										
Electric Utilities.....	48,513,503	30,734	51,722	30,023	44,235	11,941	23,712	5,856	95.8	*
Coal.....	29,077,013	-	-	-	-	-	-	-	57.4	-
Petroleum.....	3,311,978	30,734	51,722	30,023	44,235	11,941	23,712	5,856	6.5	*
Natural Gas.....	1,054,177	-	-	-	-	-	-	-	2.1	-
Nuclear.....	13,330,598	-	-	-	-	-	-	-	26.3	-
Hydroelectric.....	1,739,737	-	-	-	-	-	-	-	3.4	-
Independent Power Producers and Combined Heat and Power.....	2,139,514	48,248,354	52,192,515	52,022,747	52,617,365	48,944,939	50,174,211	47,355,097	4.2	100.0
Coal.....	217,714	28,712,053	29,939,086	29,195,458	29,302,792	29,408,022	29,699,186	27,218,239	0.4	57.5
Petroleum.....	142,372	2,251,698	3,520,461	3,266,819	3,761,334	568,785	961,118	399,984	0.3	0.8
Natural Gas.....	936,419	2,214,431	1,195,643	1,183,301	1,886,986	1,770,206	2,240,927	1,848,147	1.8	3.9
Other Gases.....	82,316	504,513	325,355	411,565	342,466	332,444	377,560	337,823	0.2	0.7
Nuclear.....	-	12,128,005	13,690,713	14,580,260	14,703,221	13,830,411	14,353,192	14,678,695	-	31.0
Hydroelectric.....	-	1,660,989	2,646,984	2,507,521	1,703,639	2,104,275	1,652,216	1,974,078	-	4.2
Other Renewables.....	760,693	521,631	596,050	589,208	623,365	626,161	603,462	612,485	1.5	1.3
Other.....	-	255,034	278,224	288,616	293,561	304,635	286,550	285,645	-	0.6
Total Electric Industry.....	50,653,017	48,279,088	52,244,237	52,052,770	52,661,600	48,956,880	50,197,924	47,360,953	100.0	100.0
Coal.....	29,294,727	28,712,053	29,939,086	29,195,458	29,302,792	29,408,022	29,699,186	27,218,239	57.8	57.5
Petroleum.....	3,454,350	2,282,432	3,572,183	3,296,842	3,805,569	580,726	984,831	405,840	6.8	0.9
Natural Gas.....	1,990,596	2,214,431	1,195,643	1,183,301	1,886,986	1,770,206	2,240,927	1,848,147	3.9	3.9
Other Gases.....	82,316	504,513	325,355	411,565	342,466	332,444	377,560	337,823	0.2	0.7
Nuclear.....	13,330,598	12,128,005	13,690,713	14,580,260	14,703,221	13,830,411	14,353,192	14,678,695	26.3	31.0
Hydroelectric.....	1,739,737	1,660,989	2,646,984	2,507,521	1,703,639	2,104,275	1,652,216	1,974,078	3.4	4.2
Other Renewables.....	760,693	521,631	596,050	589,208	623,365	626,161	603,462	612,485	1.5	1.3
Other.....	-	255,034	278,224	288,616	293,561	304,635	286,550	285,645	-	0.6

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1998 and 2002 Through 2008

Fuel, Quality	1998	2002	2003	2004	2005	2006	2007	2008
Maryland								
Coal (cents per million Btu)	146	163	163	174	192	227	212	366
Average heat value (Btu per pound).....	12,914	12,799	12,708	12,653	12,638	12,504	12,501	12,361
Average sulfur Content (percent)	1.17	1.13	1.07	1.25	1.32	1.28	1.26	1.20
Petroleum (cents per million Btu) ¹	211	375	534	552	788	1,013	1,060	1,721
Average heat value (Btu per gallon).....	150,776	150,717	148,564	149,417	148,498	146,088	145,614	142,967
Average sulfur Content (percent)	0.96	0.65	0.61	0.54	0.64	0.48	0.53	0.38
Natural Gas (cents per million Btu).....	263	416	537	553	991	748	757	1,051
Average heat value (Btu per cubic foot).....	1,047	1,035	1,047	1,048	1,046	1,043	1,042	1,050

¹ Petroleum includes petroleum liquids and petroleum coke.

Btu = British thermal unit.

Note: Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. There may be a notable increase in fuel receipts beginning with 2008. For more information, please see the Technical Notes in the Electric Power Annual.

Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report." Federal Energy Regulatory Commission, FERC Form 423, "Monthly Cost and Quality of Fuels for Electric Plants." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 7. Electric Power Industry Emissions Estimates, 1998 and 2002 Through 2008
(Thousand Metric Tons)

Emission Type	1998	2002	2003	2004	2005	2006	2007	2008
Maryland								
Sulfur Dioxide								
Coal.....	247	241	248	261	258	256	252	222
Petroleum.....	24	8	14	13	16	12	12	1
Natural Gas.....	*	* ^R	*	* ^R	* ^R	* ^R	* ^R	*
Other Gases.....	*	*	*	*	*	*	*	*
Other Renewables.....	3 ^R	2	2	2	2	2	2	2
Other.....	*	*	*	*	*	*	*	*
Total.....	274	251	264	277	276	271	267	226
Nitrogen Oxide								
Coal.....	99	62	57	51	50	47	43	33
Petroleum.....	11	5	8	7	8	5	5	2
Natural Gas.....	3	3	1	3	2	7	2	2
Other Gases.....	*	1	1	1	1	1	1	1
Other Renewables.....	4 ^R	2	2	3	2	2	2	3
Other.....	*	1	1	1	1	1	1	*
Total.....	116	73	70	65	64	62	55	41
Carbon Dioxide								
Coal.....	27,292 ^R	27,513 ^R	28,653 ^R	28,149 ^R	28,509 ^R	28,325 ^R	28,628 ^R	26,928
Petroleum.....	3,204 ^R	2,004 ^R	2,998 ^R	2,839 ^R	3,315 ^R	553 ^R	893 ^R	380
Natural Gas.....	1,269 ^R	1,367 ^R	677 ^R	743 ^R	1,245 ^R	1,308 ^R	1,373 ^R	1,226
Other Renewables.....	541 ^R	-	-	-	-	-	-	-
Other.....	11 ^R	593 ^R	601 ^R	599 ^R	587 ^R	612 ^R	580 ^R	587
Total.....	32,317 ^R	31,477 ^R	32,930 ^R	32,330 ^R	33,656 ^R	30,798 ^R	31,473 ^R	29,121

R = Revised.

* = 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 *).

- (dash) = Data not available.

Source: Calculations made by the Electric Power Division, U. S. Energy Information Administration.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1998 and 2002 Through 2008

Sector	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Maryland										
Retail Sales (thousand megawatthours)										
Residential	22,407	25,489	26,671	27,952	28,440	26,905	28,195	27,144	38.7	42.9
Commercial	24,284	21,044	16,950	17,264	17,932	29,729	30,691	30,003	42.0	47.4
Industrial	10,344	20,875	27,176	21,195	21,517	6,057	5,980	5,650	17.9	8.9
Other	799	972	NA	NA	NA	NA	NA	NA	1.4	--
Transportation.....	NA	NA	461	481	477	482	524	529	--	0.8
All Sectors	57,834	68,380	71,259	66,892	68,365	63,173	65,391	63,326	100.0	100.0
Retail Revenue (million dollars).....										
Residential	1,890	1,973	2,060	2,181	2,405	2,614	3,353	3,757	46.7	45.6
Commercial	1,656	1,328	1,178	1,304	1,608	3,141	3,553	3,828	40.9	46.5
Industrial	429	836	1,329	1,269	1,509	493	563	586	10.6	7.1
Other	70	92	NA	NA	NA	NA	NA	NA	1.7	--
Transportation.....	NA	NA	27	31	37	41	53	61	--	0.7
All Sectors	4,045	4,229	4,594	4,785	5,559	6,288	7,523	8,232	100.0	100.0
Average Retail Prices (cents/kWh)										
Residential	8.44	7.74	7.73	7.80	8.46	9.71	11.89	13.84	--	--
Commercial	6.82	6.31	6.95	7.56	8.97	10.56	11.58	12.76	--	--
Industrial	4.14	4.01	4.89	5.99	7.01	8.14	9.41	10.37	--	--
Other	8.82	9.42	NA	NA	NA	NA	NA	NA	--	--
Transportation.....	NA	NA	5.78	6.46	7.73	8.43	10.15	11.52	--	--
All Sectors	6.99	6.18	6.45	7.15	8.13	9.95	11.50	13.00	--	--

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 9. Retail Electricity Sales Statistics, 2008

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Maryland								
Number of Entities.....	4	5	NA	3	NA	21	4	37
Number of Retail Customers	2,082,815	34,113	NA	198,220	NA	113,541	NA	2,428,689
Retail Sales (thousand megawatthours).....	31,720	756	NA	4,290	NA	26,560	NA	63,326
Percentage of Retail Sales	50.09	1.19	--	6.77	--	41.94	--	100.00
Revenue from Retail Sales (million dollars)	4,415	86	NA	579	NA	2,638	514	8,232
Percentage of Revenue	53.63	1.05	--	7.03	--	32.05	6.24	100.00
Average Retail Price (cents/kWh).....	13.92	11.38	NA	13.49	NA	9.93	1.93	13.00

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Totals may not equal sum of components because of independent rounding. 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.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 10. Supply and Disposition of Electricity, 1998 and 2002 Through 2008
(Million Kilowatthours)

Category	1998	2002	2003	2004	2005	2006	2007	2008
Maryland								
Supply								
Generation								
Electric Utilities	48,514	31	52	30	44	12	24	6
Independent Power Producers	305	44,828	48,824	48,457	48,780	45,406	46,274	43,748
Combined Heat and Power, Electric	1,405	2,835	2,813	2,926	3,196	2,902	3,275	3,086
Electric Power Sector Generation Subtotal	50,223	47,695	51,689	51,413	52,020	48,320	49,573	46,840
Combined Heat and Power, Commercial	30	10	31	49	54	32	28	40
Combined Heat and Power, Industrial.....	400	575	524	591	588	605	597	481
Industrial and Commercial Generation Subtotal	430	584	555	640	641	637	625	521
Total Net Generation	50,653	48,279	52,244	52,053	52,662	48,957	50,198	47,361
Total Supply	50,653	48,279	52,244	52,053	52,662	48,957	50,198	47,361
Disposition								
Retail Sales								
Full Service Providers	57,834	59,271	59,675	53,240	49,145	41,666	38,442	36,766
Energy-Only Providers.....	-	9,108	11,566	13,652	19,202	21,507	26,924	26,560
Facility Direct Retail Sales ¹	-	-	18	-	18	-	25	-
Total Electric Industry Retail Sales	57,834	68,380	71,259	66,892	68,365	63,173	65,391	63,326
Direct Use	1,066	1,182	1,197	1,198	1,095	1,323	1,345	1,204
Estimated Losses	3,917	3,948	3,610^R	4,689^R	5,308^R	4,734	5,392	4,985
Total Disposition	62,816	73,510	76,065^R	72,779^R	74,768^R	69,230	72,128	69,515
Net Interstate Trade ²	-12,163	-25,231	-23,821^R	-20,727^R	-22,107^R	-20,274	-21,930	-22,154
Net Trade Index (ratio) ³	0.81	0.66	0.69	0.72	0.70	0.71	0.70	0.68

¹ Facility Direct Retail Sales are electricity sales from non utility power producers which reported electricity sales to a retail customer.

² Net Interstate Trade is the difference between Total Supply and Total Disposition.

³ Net Trade Index is the ratio of Total Supply to Total Disposition.

R = Revised.

- (dash) = Data not available.

Notes: Totals may not equal sum of components because of independent rounding. 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. 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.

Sources: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms. U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry 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.

Table 1. 2008 Summary Statistics

Item	Value	U.S. Rank
Massachusetts		
NERC Region(s).....		NPCC
Primary Energy Source.....		Gas
Net Summer Capacity (megawatts)	13,505	29
Electric Utilities.....	829	42
Independent Power Producers & Combined Heat and Power.....	12,677	8
Net Generation (megawatthours).....	42,505,478	35
Electric Utilities.....	507,254	44
Independent Power Producers & Combined Heat and Power.....	41,998,224	10
Emissions (thousand metric tons)		
Sulfur Dioxide	44	31
Nitrogen Oxide	19	39
Carbon Dioxide.....	22,248	35
Sulfur Dioxide (lbs/MWh)	2.3	34
Nitrogen Oxide (lbs/MWh)	1.0	40
Carbon Dioxide (lbs/MWh).....	1,154	37
Total Retail Sales (megawatthours)	55,884,105	26
Full Service Provider Sales (megawatthours)	31,859,406	34
Deregulated Sales (megawatthours)	24,024,699	4
Direct Use (megawatthours)	4,080,441	11
Average Retail Price (cents/kWh).....	16.27	4

MWh = Megawatthours.

kWh = Kilowatthours.

Sources: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 2. Ten Largest Plants by Generating Capacity, 2008

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
Massachusetts			
1. Mystic Generating Station	Gas	Boston Generating LLC	1,958
2. Brayton Point.....	Coal	Dominion Energy New England, LLC	1,545
3. Canal	Petroleum	Mirant Canal LLC	1,112
4. Northfield Mountain.....	Pumped Storage	FirstLight Power Resources Services LLC	1,080
5. Salem Harbor.....	Coal	Dominion Energy New England, LLC	738
6. Fore River Generating Station.....	Gas	Boston Generating LLC	688
7. Pilgrim Nuclear Power Station.....	Nuclear	Energry Nuclear Generation Co	685
8. Bear Swamp.....	Pumped Storage	Brookfield Power New England	563
9. ANP Bellingham Energy Project.....	Gas	ANP Bellingham Energy Company LLC	475
10. Stony Brook	Gas	Massachusetts Mun Wholes Electric Co	436

MW = Megawatt.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2008
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
1. Massachusetts Electric Co.....	Investor-Owned	11,881,768	7,926,982	3,434,406	520,380	-
2. NSTAR Electric Company.....	Investor-Owned	9,637,300	5,243,413	4,116,110	277,777	-
3. Constellation NewEnergy, Inc.....	Other Provider	7,481,729	-	5,760,931	1,720,798	-
4. TransCanada Power Mktg Ltd.....	Other Provider	2,634,537	-	-	2,634,537	-
5. Consolidated Edison Sol Inc.....	Other Provider	2,536,553	1,261,017	1,275,536	-	-
Total Sales, Top Five Providers.....		34,171,887	14,431,412	14,586,983	5,153,492	-
Percent of Total State Sales.....		61	73	55	55	-

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatts)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Electric Utilities.....	3,385	1,090	981	981	983	837	827	829	32.9	6.1
Coal.....	328	145	145	145	144	-	-	-	3.2	-
Petroleum.....	787	771	663	661	661	659	648	624	7.6	4.6
Natural Gas.....	333	130	130	131	131	131	131	157	3.2	1.2
Nuclear.....	665	-	-	-	-	-	-	-	6.5	-
Hydroelectric.....	152	44	44	44	47	47	47	45	1.5	0.3
Other Renewables.....	*	-	-	-	-	-	2	2	*	*
Pumped Storage.....	1,120	-	-	-	-	-	-	-	10.9	-
Independent Power Producers and Combined Heat and Power.....	6,910	11,069	12,896	13,021	12,986	13,095	12,730	12,677	67.1	93.9
Coal.....	1,800	1,544	1,514	1,578	1,599	1,743	1,744	1,662	17.5	12.3
Petroleum.....	1,041	3,464	3,117	2,581	2,580	2,559	2,489	2,496	10.1	18.5
Natural Gas.....	3,000	3,230	5,414	6,026	5,971	5,958	5,658	5,682	29.1	42.1
Nuclear.....	-	667	685	685	685	685	685	685	-	5.1
Hydroelectric.....	108	209	217	216	213	212	212	212	1.1	1.6
Other Renewables.....	341	305	305	293	296	296	299	297	3.3	2.2
Pumped Storage.....	620	1,650	1,643	1,643	1,643	1,643	1,643	1,643	6.0	12.2
Total Electric Industry.....	10,295	12,159	13,877	14,002	13,969	13,932	13,557	13,505	100.0	100.0
Coal.....	2,128	1,689	1,659	1,723	1,743	1,743	1,744	1,662	20.7	12.3
Petroleum.....	1,828	4,235	3,780	3,242	3,241	3,219	3,137	3,120	17.8	23.1
Natural Gas.....	3,332	3,360	5,544	6,157	6,102	6,089	5,789	5,839	32.4	43.2
Nuclear.....	665	667	685	685	685	685	685	685	6.5	5.1
Hydroelectric.....	260	253	261	260	260	259	259	258	2.5	1.9
Other Renewables.....	342	305	305	293	296	296	301	299	3.3	2.2
Pumped Storage.....	1,740	1,650	1,643	1,643	1,643	1,643	1,643	1,643	16.9	12.2

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatthours)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Massachusetts										
Electric Utilities.....	26,036,881	1,156,651	2,055,622	1,524,169	1,622,208	942,917	493,885	507,254	57.0	1.2
Coal.....	8,168,608	-	1,074,514	903,789	1,025,141	-	-	-	17.9	-
Petroleum.....	10,019,730	220,435	517,767	290,865	189,211	29,031	58,456	57,639	21.9	0.1
Natural Gas.....	1,818,857	728,570	234,942	98,542	118,034	326,418	250,259	175,172	4.0	0.4
Nuclear.....	5,698,414	-	-	-	-	-	-	-	12.5	-
Hydroelectric.....	760,785	207,646	228,399	230,973	289,822	587,468	185,169	270,771	1.7	0.6
Other Renewables.....	-	-	-	-	-	-	-	3,672	-	*
Pumped Storage.....	-429,513	-	-	-	-	-	-	-	-0.9	-
Independent Power Producers and Combined Heat and Power.....	19,646,735	40,871,166	46,329,402	45,976,314	45,893,235	44,654,858	46,582,090	41,998,224	43.0	98.8
Coal.....	3,031,150	11,502,861	9,821,976	9,622,573	11,008,406	11,138,341	12,024,347	10,628,688	6.6	25.0
Petroleum.....	4,514,636	6,579,859	6,941,271	7,242,293	6,837,233	2,299,215	2,993,148	2,050,360	9.9	4.8
Natural Gas.....	9,802,971	15,140,404	22,188,989	20,873,179	20,251,433	22,980,258	24,674,784	21,339,262	21.5	50.2
Nuclear.....	-	5,768,766	4,977,955	5,938,600	5,475,057	5,829,658	5,119,789	5,868,639	-	13.8
Hydroelectric.....	268,956	667,430	846,783	767,308	752,128	925,177	612,313	885,040	0.6	2.1
Other Renewables.....	2,055,094	1,272,142	1,253,123	1,229,900	1,258,315	1,278,829	1,240,224	1,251,706	4.5	2.9
Pumped Storage.....	-26,072	-842,801	-510,929	-498,326	-461,643	-578,898	-830,547	-798,400	-0.1	-1.9
Other.....	-	782,504	810,234	800,786	772,307	782,278	748,033	772,928	-	1.8
Total Electric Industry.....	45,683,616	42,027,817	48,385,024	47,500,483	47,515,443	45,597,775	47,075,975	42,505,478	100.0	100.0
Coal.....	11,199,758	11,502,861	10,896,490	10,526,362	12,033,547	11,138,341	12,024,347	10,628,688	24.5	25.0
Petroleum.....	14,534,366	6,800,294	7,459,038	7,533,158	7,026,444	2,328,246	3,051,604	2,107,999	31.8	5.0
Natural Gas.....	11,621,828	15,868,974	22,423,931	20,971,721	20,369,467	23,306,676	24,925,043	21,514,434	25.4	50.6
Nuclear.....	5,698,414	5,768,766	4,977,955	5,938,600	5,475,057	5,829,658	5,119,789	5,868,639	12.5	13.8
Hydroelectric.....	1,029,741	875,076	1,075,182	998,281	1,041,950	1,512,645	797,482	1,155,811	2.3	2.7
Other Renewables.....	2,055,094	1,272,142	1,253,123	1,229,900	1,258,315	1,278,829	1,240,224	1,255,378	4.5	3.0
Pumped Storage.....	-455,585	-842,801	-510,929	-498,326	-461,643	-578,898	-830,547	-798,400	-1.0	-1.9
Other.....	-	782,504	810,234	800,786	772,307	782,278	748,033	772,928	-	1.8

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1998 and 2002 Through 2008

Fuel, Quality	1998	2002	2003	2004	2005	2006	2007	2008
Massachusetts								
Coal (cents per million Btu)	168	W	W	197	W	278	278	294
Average heat value (Btu per pound).....	12,617	12,482	12,200	11,793	11,728	11,546	11,595	11,517
Average sulfur Content (percent)	0.72	0.66	1.14	0.55	0.50	0.49	0.45	0.52
Petroleum (cents per million Btu) ¹	193	355	463	450	709	796	W	1,347
Average heat value (Btu per gallon).....	151,402	151,755	149,850	148,871	147,900	149,288	150,964	149,390
Average sulfur Content (percent)	1.02	0.89	0.80	0.83	0.81	0.74	0.57	0.54
Natural Gas (cents per million Btu).....	274	351	534	639	931	731	789	1,014
Average heat value (Btu per cubic foot).....	1,029	1,024	1,032	1,035	1,033	1,033	1,036	1,034

¹ Petroleum includes petroleum liquids and petroleum coke.

Btu = British thermal unit.

W = Withheld to avoid disclosure of individual company data.

Note: Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. There may be a notable increase in fuel receipts beginning with 2008. For more information, please see the Technical Notes in the Electric Power Annual.

Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report." Federal Energy Regulatory Commission, FERC Form 423, "Monthly Cost and Quality of Fuels for Electric Plants." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 7. Electric Power Industry Emissions Estimates, 1998 and 2002 Through 2008 (Thousand Metric Tons)

Emission Type	1998	2002	2003	2004	2005	2006	2007	2008
Massachusetts								
Sulfur Dioxide								
Coal	64	53	48	41	43	36	38	38
Petroleum	83	31	34	35	33	13	13	6
Natural Gas	*	*	*	*	*	*	*	*
Other Renewables	2 ^R	*	*	*	*	*	*	*
Other	*	*	*	*	*	*	*	*
Total	149	85	82	76	76	49	51	44
Nitrogen Oxide								
Coal	20	17	15	14	14	9	8	8
Petroleum	23	8	10	9	7	3	2	1
Natural Gas	10	7	5	4	4	4	4	3
Other Renewables	8 ^R	4	4	4	4	4	4	7
Other	*	2	2	2	2	2	2	*
Total	61	39	37	33	31	22	20	19
Carbon Dioxide								
Coal	10,181 ^R	10,817 ^R	10,065 ^R	9,702 ^R	11,010 ^R	10,409 ^R	11,147 ^R	9,963
Petroleum	12,078 ^R	5,760 ^R	6,461 ^R	6,220 ^R	5,853 ^R	2,295 ^R	2,699 ^R	1,847
Natural Gas	6,152 ^R	7,496 ^R	9,633 ^R	9,051 ^R	8,889 ^R	9,900 ^R	10,670 ^R	9,108
Other Renewables	1,254 ^R	-	-	-	-	-	-	-
Other	3 ^R	1,226 ^R	1,268 ^R	1,299 ^R	1,296 ^R	1,293 ^R	1,227 ^R	1,330
Total	29,668 ^R	25,300 ^R	27,426 ^R	26,272 ^R	27,048 ^R	23,897 ^R	25,743 ^R	22,248

R = Revised.

* = 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 *).

- (dash) = Data not available.

Source: Calculations made by the Electric Power Division, U. S. Energy Information Administration.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1998 and 2002 Through 2008

Sector	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Massachusetts										
Retail Sales (thousand megawatthours)										
Residential	16,388	18,695	19,591	19,769	20,539	19,624	20,138	19,638	33.7	35.1
Commercial	21,422	24,250	25,648	26,020	26,415	26,237	27,148	26,582	44.1	47.6
Industrial	10,212	10,087	9,984	9,947	9,871	9,602	9,450	9,332	21.0	16.7
Other	585	676	NA	NA	NA	NA	NA	NA	1.2	--
Transportation.....	NA	NA	292	406	402	386	403	332	--	0.6
All Sectors	48,607	53,708	55,514	56,142	57,228	55,850	57,139	55,884	100.0	100.0
Retail Revenue (million dollars).....										
Residential	1,737	2,043	2,272	2,323	2,760	3,257	3,269	3,472	37.3	38.2
Commercial	2,003	2,430	2,687	2,858	3,282	4,078	4,127	4,201	43.0	46.2
Industrial	835	841	891	844	910	1,252	1,231	1,386	17.9	15.2
Other	84	89	NA	NA	NA	NA	NA	NA	1.8	--
Transportation.....	NA	NA	12	19	19	41	37	31	--	0.3
All Sectors	4,659	5,404	5,862	6,045	6,971	8,628	8,664	9,091	100.0	100.0
Average Retail Prices (cents/kWh)										
Residential	10.60	10.93	11.60	11.75	13.44	16.60	16.23	17.68	--	--
Commercial	9.35	10.02	10.48	10.99	12.42	15.54	15.20	15.80	--	--
Industrial	8.18	8.34	8.93	8.48	9.22	13.04	13.03	14.85	--	--
Other	14.35	13.11	NA	NA	NA	NA	NA	NA	--	--
Transportation.....	NA	NA	4.09	4.65	4.80	10.68	9.24	9.39	--	--
All Sectors	9.59	10.06	10.56	10.77	12.18	15.45	15.16	16.27	--	--

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 9. Retail Electricity Sales Statistics, 2008

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Massachusetts								
Number of Entities.....	5	40	NA	NA	1	21	6	73
Number of Retail Customers	2,338,414	395,695	NA	NA	1	307,473	NA	3,041,583
Retail Sales (thousand megawatthours).....	23,722	7,824	NA	NA	313	24,025	NA	55,884
Percentage of Retail Sales	42.45	14.00	--	--	0.56	42.99	--	100.00
Revenue from Retail Sales (million dollars)	4,257	1,051	NA	NA	44	2,610	1,128	9,091
Percentage of Revenue	46.83	11.57	--	--	0.49	28.71	12.41	100.00
Average Retail Price (cents/kWh).....	17.87	13.44	NA	NA	14.07	10.86	4.69	16.27

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Totals may not equal sum of components because of independent rounding. 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.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 10. Supply and Disposition of Electricity, 1998 and 2002 Through 2008
(Million Kilowatthours)

Category	1998	2002	2003	2004	2005	2006	2007	2008
Massachusetts								
Supply								
Generation								
Electric Utilities	26,037	1,157	2,056	1,524	1,622	943	494	507
Independent Power Producers	12,600	34,031	40,102	41,036	42,122	41,847	43,406	39,846
Combined Heat and Power, Electric	6,296	5,852	5,378	4,053	2,896	1,938	2,400	1,444
Electric Power Sector Generation Subtotal	44,933	41,040	47,536	46,614	46,640	44,728	46,300	41,797
Combined Heat and Power, Commercial	359	575	514	573	590	574	503	489
Combined Heat and Power, Industrial.....	392	413	335	314	286	296	273	219
Industrial and Commercial Generation Subtotal	751	987	849	887	876	869	776	709
Total Net Generation	45,684	42,028	48,385	47,500	47,515	45,598	47,076	42,505
Total International Imports	1,766	497	274	512	708	697	935	4,177
Total Supply	47,449	42,525	48,659	48,013	48,223	46,294	48,011	46,683
Disposition								
Retail Sales								
Full Service Providers	48,607	43,880	45,457	43,287	41,357	34,795	32,996	31,546
Energy-Only Providers.....	-	9,828	9,739	12,551	15,854	21,055	23,841	24,025
Facility Direct Retail Sales ¹	-	-	318	304	17	-	302	313
Total Electric Industry Retail Sales	48,607	53,708	55,514	56,142	57,228	55,850	57,139	55,884
Direct Use	1,851	2,422	2,453	2,456	1,164	912	1,388	4,080
Total International Exports	6	-	61	32	94	116	201	118
Estimated Losses	3,292	2,447	2,281^R	2,211^R	2,325^R	4,000	3,684	2,881
Total Disposition	53,756	58,577	60,310^R	60,840^R	60,811^R	60,878	62,412	62,964
Net Interstate Trade ²	-6,307	-16,052	-11,651^R	-12,827^R	-12,588^R	-14,584	-14,401	-16,281
Net Trade Index (ratio) ³	0.88	0.73	0.81	0.79	0.79	0.76	0.77	0.74

¹ Facility Direct Retail Sales are electricity sales from non utility power producers which reported electricity sales to a retail customer.

² Net Interstate Trade is the difference between Total Supply and Total Disposition.

³ Net Trade Index is the ratio of Total Supply to Total Disposition.

R = Revised.

- (dash) = Data not available.

Notes: Totals may not equal sum of components because of independent rounding. 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. 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.

Sources: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms. U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry 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.

Table 1. 2008 Summary Statistics

Item	Value	U.S. Rank
Michigan		
NERC Region(s).....		MRO/RFC
Primary Energy Source.....		Coal
Net Summer Capacity (megawatts)	30,419	10
Electric Utilities.....	21,885	10
Independent Power Producers & Combined Heat and Power.....	8,534	12
Net Generation (megawatthours).....	114,989,806	13
Electric Utilities.....	94,503,953	9
Independent Power Producers & Combined Heat and Power.....	20,485,853	16
Emissions (thousand metric tons)		
Sulfur Dioxide	348	7
Nitrogen Oxide.....	115	9
Carbon Dioxide.....	77,086	12
Sulfur Dioxide (lbs/MWh)	6.7	11
Nitrogen Oxide (lbs/MWh)	2.2	21
Carbon Dioxide (lbs/MWh).....	1,478	21
Total Retail Sales (megawatthours).....	105,781,271	12
Full Service Provider Sales (megawatthours)	102,620,003	11
Deregulated Sales (megawatthours)	3,161,268	13
Direct Use (megawatthours)	3,400,383	14
Average Retail Price (cents/kWh).....	8.94	24

MWh = Megawatthours.

kWh = Kilowatthours.

Sources: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 2. Ten Largest Plants by Generating Capacity, 2008

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	2,069
3. Ludington.....	Pumped Storage	Consumers Energy Co	1,872
4. Midland Cogeneration Venture	Gas	Midland Cogeneration Venture	1,837
5. Dan E Karn	Coal	Consumers Energy Co	1,791
6. Belle River.....	Coal	Detroit Edison Co	1,509
7. J H Campbell	Coal	Consumers Energy Co	1,453
8. St Clair.....	Coal	Detroit Edison Co	1,393
9. Fermi.....	Nuclear	Detroit Edison Co	1,173
10. Covert Generating Project	Gas	New Covert Generating Company LLC	1,058

MW = Megawatt.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2008
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
1. Detroit Edison Co.....	Investor-Owned	47,499,119	15,492,548	18,912,717	13,093,854	-
2. Consumers Energy Co.....	Investor-Owned	35,610,695	12,853,576	12,193,669	10,563,450	-
3. Indiana Michigan Power Co.....	Investor-Owned	3,036,057	1,262,366	850,793	922,898	-
4. Wisconsin Electric Power Co.....	Investor-Owned	2,830,276	169,892	159,656	2,500,728	-
5. Lansing City of.....	Public	2,293,461	599,574	1,242,529	451,358	-
Total Sales, Top Five Providers.....		91,269,608	30,377,956	33,359,364	27,532,288	-
Percent of Total State Sales.....		86	89	86	85	-

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatts)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Michigan										
Electric Utilities.....	21,943	23,279	23,345	23,314	23,029	22,734	21,894	21,885	89.1	71.9
Coal.....	11,840	11,627	11,636	11,623	11,633	11,534	11,533	11,543	48.1	37.9
Petroleum.....	2,632	1,654	1,685	1,649	1,647	1,397	616	610	10.7	2.0
Natural Gas.....	1,439	3,958	3,964	3,982	3,669	3,695	4,461	4,447	5.8	14.6
Nuclear.....	3,918	3,938	3,971	3,971	3,982	4,006	3,191	3,191	15.9	10.5
Hydroelectric.....	241	229	218	217	225	229	221	222	1.0	0.7
Other Renewables.....	1	-	-	-	-	-	-	-	*	-
Pumped Storage.....	1,872	1,872	1,872	1,872	1,872	1,872	1,872	1,872	7.6	6.2
Independent Power Producers and Combined Heat and Power.....	2,673	6,056	7,104	7,133	7,393	7,456	8,411	8,534	10.9	28.1
Coal.....	357	354	354	354	349	325	378	378	1.5	1.2
Petroleum.....	8	50	52	70	27	102	57	57	*	0.2
Natural Gas.....	1,870	5,238	6,303	6,315	6,618	6,628	6,781	6,771	7.6	22.3
Other Gases.....	-	-	-	-	5	12	-	-	-	-
Nuclear.....	-	-	-	-	-	-	778	778	-	2.6
Hydroelectric.....	26	27	27	27	28	28	28	28	0.1	0.1
Other Renewables.....	412	388	368	367	367	361	390	523	1.7	1.7
Total Electric Industry.....	24,616	29,335	30,450	30,447	30,422	30,189	30,305	30,419	100.0	100.0
Coal.....	12,197	11,981	11,989	11,976	11,982	11,860	11,910	11,921	49.5	39.2
Petroleum.....	2,640	1,704	1,737	1,719	1,675	1,499	673	667	10.7	2.2
Natural Gas.....	3,310	9,196	10,268	10,296	10,286	10,322	11,242	11,218	13.4	36.9
Other Gases.....	-	-	-	-	5	12	-	-	-	-
Nuclear.....	3,918	3,938	3,971	3,971	3,982	4,006	3,969	3,969	15.9	13.0
Hydroelectric.....	267	257	245	245	253	257	249	250	1.1	0.8
Other Renewables.....	412	388	368	367	367	361	390	523	1.7	1.7
Pumped Storage.....	1,872	1,872	1,872	1,872	1,872	1,872	1,872	1,872	7.6	6.2

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatthours)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Michigan										
Electric Utilities.....	85,146,307	100,451,718	96,634,055	99,608,512	104,830,689	97,373,706	96,785,842	94,503,953	84.7	82.2
Coal.....	69,142,807	65,389,899	66,448,916	67,253,690	69,158,736	66,654,737	69,406,550	68,421,489	68.8	59.5
Petroleum.....	1,005,170	1,090,767	883,847	714,881	788,563	272,106	445,915	281,604	1.0	0.2
Natural Gas.....	2,152,055	2,336,031	1,098,627	735,011	1,717,091	982,534	1,079,596	784,967	2.1	0.7
Other Gases.....	-	-	-	1,082	-	18,854	105,130	-	-	-
Nuclear.....	12,494,153	31,087,454	27,953,563	30,561,961	32,871,574	29,066,165	25,690,938	24,649,692	12.4	21.4
Hydroelectric.....	1,282,471	1,557,942	1,242,987	1,420,178	1,355,963	1,381,242	1,146,768	1,247,863	1.3	1.1
Other Renewables.....	-	-	-	-	-	-	54	63	-	*
Pumped Storage.....	-930,349	-1,035,560	-1,017,246	-1,112,984	-1,106,241	-1,039,210	-1,129,241	-915,502	-0.9	-0.8
Other.....	-	25,185	23,361	34,693	45,003	37,278	40,131	33,777	-	*
Independent Power Producers and Combined Heat and Power.....	15,331,087	17,437,369	14,713,005	18,878,757	16,789,082	15,183,032	22,524,095	20,485,853	15.3	17.8
Coal.....	1,329,850	1,309,609	1,328,567	1,352,329	1,164,240	1,125,424	1,404,048	1,433,947	1.3	1.2
Petroleum.....	166,491	12,718	180,046	181,528	88,996	129,781	252,610	175,935	0.2	0.2
Natural Gas.....	10,933,125	13,517,387	10,275,917	13,812,692	12,046,801	10,427,421	12,061,388	8,817,069	10.9	7.7
Other Gases.....	5,294	10,108	2,193	597,665	372,119	393,493	177,284	264,407	*	0.2
Nuclear.....	-	-	-	-	-	-	5,826,015	6,834,736	-	5.9
Hydroelectric.....	114,647	111,310	142,837	119,406	105,745	139,111	123,221	116,515	0.1	0.1
Other Renewables.....	2,762,052	2,220,005	2,497,694	2,558,448	2,494,323	2,442,559	2,416,692	2,591,079	2.7	2.3
Other.....	19,628	256,232	285,751	256,688	516,858	525,244	262,835	252,165	*	0.2
Total Electric Industry.....	100,477,394	117,889,087	111,347,060	118,487,269	121,619,771	112,556,739	119,309,936	114,989,806	100.0	100.0
Coal.....	70,472,657	66,699,508	67,777,483	68,606,019	70,322,976	67,780,161	70,810,599	69,855,436	70.1	60.7
Petroleum.....	1,171,661	1,103,485	1,063,893	896,409	877,559	401,887	698,525	457,538	1.2	0.4
Natural Gas.....	13,085,180	15,853,418	11,374,544	14,547,703	13,763,892	11,409,955	13,140,984	9,602,037	13.0	8.4
Other Gases.....	5,294	10,108	2,193	598,747	372,119	412,347	282,414	264,407	*	0.2
Nuclear.....	12,494,153	31,087,454	27,953,563	30,561,961	32,871,574	29,066,165	31,516,953	31,484,428	12.4	27.4
Hydroelectric.....	1,397,118	1,669,252	1,385,824	1,539,584	1,461,708	1,520,353	1,269,989	1,364,378	1.4	1.2
Other Renewables.....	2,762,052	2,220,005	2,497,694	2,558,448	2,494,323	2,442,559	2,416,747	2,591,141	2.7	2.3
Pumped Storage.....	-930,349	-1,035,560	-1,017,246	-1,112,984	-1,106,241	-1,039,210	-1,129,241	-915,502	-0.9	-0.8
Other.....	19,628	281,417	309,112	291,381	561,861	562,522	302,966	285,942	*	0.2

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1998 and 2002 Through 2008

Fuel, Quality	1998	2002	2003	2004	2005	2006	2007	2008
Michigan								
Coal (cents per million Btu)	133	W	134	139	158	168	172	197
Average heat value (Btu per pound).....	10,563	10,255	10,123	9,967	10,021	9,975	9,920	9,902
Average sulfur Content (percent)	0.67	0.57	0.57	0.53	0.56	0.56	0.54	0.54
Petroleum (cents per million Btu) ¹	241	274	W	W	W	W	W	1,057
Average heat value (Btu per gallon).....	130,455	144,917	146,845	146,540	145,714	144,829	144,798	138,424
Average sulfur Content (percent)	1.56	1.88	1.67	1.45	1.74	1.74	1.84	3.28
Natural Gas (cents per million Btu).....	232	352	386	436	556	601	656	861
Average heat value (Btu per cubic foot).....	542	1,007	1,015	1,018	1,013	1,009	1,014	1,013

¹ Petroleum includes petroleum liquids and petroleum coke.

Btu = British thermal unit.

W = Withheld to avoid disclosure of individual company data.

Note: Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. There may be a notable increase in fuel receipts beginning with 2008. For more information, please see the Technical Notes in the Electric Power Annual.

Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report." Federal Energy Regulatory Commission, FERC Form 423, "Monthly Cost and Quality of Fuels for Electric Plants." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 7. Electric Power Industry Emissions Estimates, 1998 and 2002 Through 2008 (Thousand Metric Tons)

Emission Type	1998	2002	2003	2004	2005	2006	2007	2008
Michigan								
Sulfur Dioxide								
Coal	411	325	335	322	329	315	325	329
Petroleum	24	24	24	24	26	6	23	13
Natural Gas	*	*	*	*	*	*	*	*
Other Gases	-	*	-	-	*	<u>R</u>	-	-
Other Renewables	6 ^R	4	4	4	4	5	4	5
Other	1	4	1	1	1	1	1	1
Total	441	357	364 ^R	351	360	327	353	348
Nitrogen Oxide								
Coal	196	122	115	106	104	96	99	98
Petroleum	7	3	4	4	4	1	4	2
Natural Gas	17	16	6	5	5	5	5	4
Other Gases	*	*	*	*	*	*	*	*
Other Renewables	10 ^R	8	9	9	9	9 ^R	9	11
Other	*	3	1	1	1	1	1	*
Total	230	152	134	124	123	113	117	115
Carbon Dioxide								
Coal	71,129 ^R	65,036 ^R	65,871 ^R	68,603 ^R	70,540 ^R	68,100 ^R	71,142 ^R	70,442
Petroleum	1,675 ^R	1,078 ^R	1,494 ^R	1,433 ^R	908 ^R	490 ^R	1,234 ^R	791
Natural Gas	8,559 ^R	8,306 ^R	6,004 ^R	7,613 ^R	7,488 ^R	7,212 ^R	6,919 ^R	5,275
Other Renewables	420 ^R	-	-	-	-	-	-	-
Other	52 ^R	584 ^R	592 ^R	555 ^R	548 ^R	559 ^R	559 ^R	578
Total	81,835 ^R	75,004 ^R	73,961 ^R	78,204 ^R	79,483 ^R	76,361 ^R	79,854 ^R	77,086

R = Revised.

* = 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 *).

- (dash) = Data not available.

Source: Calculations made by the Electric Power Division, U. S. Energy Information Administration.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1998 and 2002 Through 2008

Sector	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Michigan										
Retail Sales (thousand megawatthours)										
Residential	29,808	34,336	33,669	33,104	36,095	34,622	35,366	34,297	29.7	32.4
Commercial	33,840	35,880	35,391	38,632	39,600	39,299	40,047	38,974	33.7	36.8
Industrial	35,983	33,537	39,813	34,867	34,745	34,093	33,879	32,505	35.8	30.7
Other	875	960	NA	NA	NA	NA	NA	NA	0.9	--
Transportation.....	NA	NA	3	3	5	4	5	5	--	*
All Sectors	100,506	104,714	108,877	106,606	110,445	108,018	109,297	105,781	100.0	100.0
Retail Revenue (million dollars).....										
Residential	2,584	2,845	2,813	2,759	3,033	3,382	3,612	3,685	36.2	39.0
Commercial	2,642	2,794	2,672	2,925	3,105	3,345	3,514	3,584	37.1	37.9
Industrial	1,809	1,684	1,976	1,717	1,850	2,061	2,192	2,190	25.4	23.1
Other	94	100	NA	NA	NA	NA	NA	NA	1.3	--
Transportation.....	NA	NA	*	*	1	*	*	1	--	*
All Sectors	7,129	7,423	7,461	7,401	7,988	8,788	9,318	9,459	100.0	100.0
Average Retail Prices (cents/kWh)										
Residential	8.67	8.28	8.35	8.33	8.40	9.77	10.21	10.75	--	--
Commercial	7.81	7.79	7.55	7.57	7.84	8.51	8.77	9.20	--	--
Industrial	5.03	5.02	4.96	4.92	5.32	6.05	6.47	6.74	--	--
Other	10.74	10.43	NA	NA	NA	NA	NA	NA	--	--
Transportation.....	NA	NA	8.21	7.89	13.07	10.06	9.76	11.83	--	--
All Sectors	7.09	7.09	6.85	6.94	7.23	8.14	8.53	8.94	--	--

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

* = 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 *).

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 9. Retail Electricity Sales Statistics, 2008

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Number of Entities.....	9	41	NA	10	3	10	2	75
Number of Retail Customers	4,219,823	305,477	NA	294,478	5	2,083	NA	4,821,866
Retail Sales (thousand megawatthours).....	91,091	7,843	NA	3,224	461	3,161	NA	105,781
Percentage of Retail Sales	86.11	7.41	--	3.05	0.44	2.99	--	100.00
Revenue from Retail Sales (million dollars)	8,136	646	NA	352	38	235	52	9,459
Percentage of Revenue	86.01	6.83	--	3.73	0.40	2.48	0.55	100.00
Average Retail Price (cents/kWh).....	8.92	8.23	NA	10.93	8.26	7.43	1.65	8.94

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Totals may not equal sum of components because of independent rounding. 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.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 10. Supply and Disposition of Electricity, 1998 and 2002 Through 2008
(Million Kilowatthours)

Category	1998	2002	2003	2004	2005	2006	2007	2008
Michigan								
Supply								
Generation								
Electric Utilities	85,146	100,452	96,634	99,609	104,831	97,374	96,786	94,504
Independent Power Producers	1,747	5,031	2,302	2,560	4,337	3,859	11,028	10,954
Combined Heat and Power, Electric	11,014	10,138	9,917	13,904	10,161	9,077	9,327	7,350
Electric Power Sector Generation Subtotal	97,907	115,620	108,853	116,073	119,329	110,310	117,141	112,807
Combined Heat and Power, Commercial	638	477	504	536	535	515	627	535
Combined Heat and Power, Industrial.....	1,932	1,792	1,990	1,878	1,756	1,731	1,542	1,647
Industrial and Commercial Generation Subtotal	2,570	2,269	2,494	2,414	2,291	2,246	2,169	2,182
Total Net Generation	100,477	117,889	111,347	118,487	121,620	112,557	119,310	114,990
Total International Imports	2,027	240	1,253	2,054	1,681	357	1,682	6,305
Total Supply	102,505	118,129	112,600	120,542	123,301	112,914	120,992	121,295
Disposition								
Retail Sales								
Full Service Providers	100,506	100,213	96,659	92,097	98,603	101,899	104,526	102,159
Energy-Only Providers.....	-	4,500	10,112	13,991	11,334	5,619	4,293	3,161
Facility Direct Retail Sales ¹	-	-	2,106	518	508	499	478	461
Total Electric Industry Retail Sales	100,506	104,714	108,877	106,606	110,445	108,018	109,297	105,781
Direct Use	2,872	2,883	2,919	2,922	2,584	2,354	2,907	3,400
Total International Exports	3,561	2,474	4,818	5,258	4,380	2,474	2,888	4,001
Estimated Losses	6,806	7,528	6,208^R	7,868^R	7,939^R	8,259	8,436	7,865
Total Disposition	113,746	117,599	122,822^R	122,654^R	125,349^R	121,104	123,527	121,047
Net Interstate Trade ²	-11,241	531	-10,222^R	-2,113^R	-2,048^R	-8,190	-2,536	248
Net Trade Index (ratio) ³	0.90	1.00	0.92	0.98	0.98	0.93	0.98	1.00

¹ Facility Direct Retail Sales are electricity sales from non utility power producers which reported electricity sales to a retail customer.

² Net Interstate Trade is the difference between Total Supply and Total Disposition.

³ Net Trade Index is the ratio of Total Supply to Total Disposition.

R = Revised.

- (dash) = Data not available.

Notes: Totals may not equal sum of components because of independent rounding. 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. 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.

Sources: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms. U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry 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.

Table 1. 2008 Summary Statistics

Item	Value	U.S. Rank
Minnesota		
NERC Region(s).....		MRO
Primary Energy Source.....		Coal
Net Summer Capacity (megawatts)	14,237	27
Electric Utilities.....	11,432	23
Independent Power Producers & Combined Heat and Power.....	2,805	32
Net Generation (megawatthours).....	54,763,360	27
Electric Utilities.....	46,758,314	19
Independent Power Producers & Combined Heat and Power.....	8,005,046	33
Emissions (thousand metric tons)		
Sulfur Dioxide	86	24
Nitrogen Oxide	69	20
Carbon Dioxide.....	37,498	27
Sulfur Dioxide (lbs/MWh)	3.5	25
Nitrogen Oxide (lbs/MWh)	2.8	15
Carbon Dioxide (lbs/MWh).....	1,510	19
Total Retail Sales (megawatthours)	68,791,615	23
Full Service Provider Sales (megawatthours)	68,791,615	22
Direct Use (megawatthours)	1,347,645	25
Average Retail Price (cents/kWh).....	7.79	35

MWh = Megawatthours.

kWh = Kilowatthours.

Sources: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 2. Ten Largest Plants by Generating Capacity, 2008

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
Minnesota			
1. Sherburne County.....	Coal	Northern States Power Co - Minnesota	2,258
2. Prairie Island.....	Nuclear	Northern States Power Co - Minnesota	1,096
3. Clay Boswell.....	Coal	Minnesota Power Inc	917
4. Black Dog	Coal	Northern States Power Co - Minnesota	580
5. Monticello.....	Nuclear	Northern States Power Co - Minnesota	572
6. High Bridge	Gas	Northern States Power Co - Minnesota	566
7. Allen S King	Coal	Northern States Power Co - Minnesota	555
8. Lakefield Junction	Gas	Great River Energy	502
9. Blue Lake.....	Gas	Northern States Power Co - Minnesota	490
10. Pleasant Valley	Gas	Great River Energy	420

MW = Megawatt.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2008
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
Minnesota						
1. Northern States Power Co - Minnesota.....	Investor-Owned	32,053,291	8,696,643	13,885,434	9,449,345	21,869
2. Minnesota Power Inc.....	Investor-Owned	9,138,389	1,079,837	1,321,219	6,737,333	-
3. Otter Tail Power Co.....	Investor-Owned	2,191,985	565,624	1,080,567	545,794	-
4. Connexus Energy.....	Cooperative	2,025,670	1,159,523	750,166	115,981	-
5. Dakota Electric Association.....	Cooperative	1,862,429	940,704	54,204	867,521	-
Total Sales, Top Five Providers.....		47,271,764	12,442,331	17,091,590	17,715,974	21,869
Percent of Total State Sales.....		69	56	76	74	100

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatts)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Minnesota										
Electric Utilities.....	9,089	10,329	10,162	10,179	10,543	10,458	10,719	11,432	89.8	80.3
Coal.....	5,657	5,726	5,342	5,260	5,087	5,083	5,048	5,077	55.9	35.7
Petroleum.....	1,056	1,020	669	699	711	718	728	746	10.4	5.2
Natural Gas.....	461	1,637	2,276	2,336	2,852	2,719	2,974	3,528	4.6	24.8
Nuclear.....	1,630	1,646	1,613	1,613	1,617	1,668	1,668	1,668	16.1	11.7
Hydroelectric.....	139	134	133	133	133	132	133	133	1.4	0.9
Other Renewables.....	146	166	129	138	143	137	167	281	1.4	2.0
Independent Power Producers and Combined Heat and Power.....	1,028	958	1,323	1,372	1,562	2,194	2,171	2,805	10.2	19.7
Coal.....	344	158	358	361	358	361	159	159	3.4	1.1
Petroleum.....	25	29	26	27	28	28	36	36	0.3	0.3
Natural Gas.....	304	306	306	305	305	805	605	1,003	3.0	7.0
Hydroelectric.....	64	42	43	43	43	43	43	61	0.6	0.4
Other Renewables.....	290	412	579	626	817	946	1,315	1,534	2.9	10.8
Other.....	-	11	11	11	11	11	13	13	-	0.1
Total Electric Industry.....	10,117	11,287	11,485	11,551	12,105	12,651	12,890	14,237	100.0	100.0
Coal.....	6,001	5,885	5,701	5,621	5,446	5,444	5,207	5,235	59.3	36.8
Petroleum.....	1,082	1,049	696	726	739	746	764	782	10.7	5.5
Natural Gas.....	765	1,942	2,581	2,641	3,157	3,524	3,579	4,531	7.6	31.8
Nuclear.....	1,630	1,646	1,613	1,613	1,617	1,668	1,668	1,668	16.1	11.7
Hydroelectric.....	203	176	176	176	176	175	176	194	2.0	1.4
Other Renewables.....	436	578	708	763	960	1,083	1,483	1,815	4.3	12.7
Other.....	-	11	11	11	11	11	13	13	-	0.1

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatthours)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Minnesota										
Electric Utilities.....	43,976,935	48,568,719	49,576,276	47,232,462	46,791,349	46,710,674	47,793,039	46,758,314	91.6	85.4
Coal.....	29,884,402	32,200,713	33,157,032	31,477,117	30,514,512	30,600,302	31,199,099	30,771,207	62.2	56.2
Petroleum.....	649,866	640,129	845,239	752,362	752,774	484,235	362,765	211,633	1.4	0.4
Natural Gas.....	652,432	897,018	1,072,867	923,557	1,706,322	1,629,343	2,143,250	1,723,799	1.4	3.1
Other Gases.....	-	-	-	-	-	-	25,844	26,520	-	*
Nuclear.....	11,644,106	13,684,824	13,413,828	13,295,502	12,835,219	13,183,418	13,103,000	12,996,838	24.2	23.7
Hydroelectric.....	694,836	736,795	686,227	549,598	574,680	426,960	504,387	554,068	1.4	1.0
Other Renewables.....	451,293	229,176	220,598	137,351	237,425	231,429	291,311	321,604	0.9	0.6
Other.....	-	180,064	180,485	96,975	170,417	154,987	163,383	152,645	-	0.3
Independent Power Producers and Combined Heat and Power.....	4,040,970	4,209,248	5,474,720	5,131,665	6,227,645	6,527,115	6,684,608	8,005,046	8.4	14.6
Coal.....	1,922,475	1,719,496	2,498,497	2,523,091	2,435,333	2,470,149	991,273	984,046	4.0	1.8
Petroleum.....	17,405	12,662	27,826	31,088	23,535	9,953	41,834	19,984	*	*
Natural Gas.....	943,600	694,936	771,569	534,027	1,000,944	931,454	1,699,226	1,142,047	2.0	2.1
Hydroelectric.....	259,807	72,289	128,346	188,713	200,049	144,770	149,435	172,993	0.5	0.3
Other Renewables.....	897,683	1,557,511	1,900,033	1,659,699	2,414,683	2,827,455	3,641,327	5,529,278	1.9	10.1
Other.....	-	152,354	148,450	195,047	153,101	143,334	161,512	156,697	-	0.3
Total Electric Industry.....	48,017,905	52,777,967	55,050,996	52,364,127	53,018,995	53,237,789	54,477,646	54,763,360	100.0	100.0
Coal.....	31,806,877	33,920,209	35,655,529	34,000,208	32,949,845	33,070,451	32,190,373	31,755,253	66.2	58.0
Petroleum.....	667,271	652,791	873,065	783,450	776,309	494,188	404,599	231,617	1.4	0.4
Natural Gas.....	1,596,032	1,591,954	1,844,436	1,457,584	2,707,267	2,560,797	3,842,477	2,865,846	3.3	5.2
Other Gases.....	-	-	-	-	-	-	25,844	26,520	-	*
Nuclear.....	11,644,106	13,684,824	13,413,828	13,295,502	12,835,219	13,183,418	13,103,000	12,996,838	24.2	23.7
Hydroelectric.....	954,643	809,084	814,573	738,311	774,729	571,730	653,822	727,061	2.0	1.3
Other Renewables.....	1,348,976	1,786,687	2,120,631	1,797,050	2,652,108	3,058,884	3,932,638	5,850,883	2.8	10.7
Other.....	-	332,418	328,935	292,021	323,518	298,320	324,895	309,342	-	0.6

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1998 and 2002 Through 2008

Fuel, Quality	1998	2002	2003	2004	2005	2006	2007	2008
Minnesota								
Coal (cents per million Btu)	107	W	W	W	W	W	W	169
Average heat value (Btu per pound).....	8,883	8,860	8,895	8,914	8,909	8,911	8,853	8,902
Average sulfur Content (percent).....	0.44	0.45	0.46	0.44	0.44	0.44	0.45	0.46
Petroleum (cents per million Btu) ¹	74	60	W	W	W	W	444	W
Average heat value (Btu per gallon).....	72,781	131,267	133,093	134,967	133,848	134,976	132,929	136,357
Average sulfur Content (percent).....	5.45	5.76	5.72	5.38	5.45	5.99	4.84	3.54
Natural Gas (cents per million Btu).....	234	W	W	W	W	W	W	891
Average heat value (Btu per cubic foot).....	1,008	1,007	1,007	1,008	1,012	1,008	1,018	1,015

¹ Petroleum includes petroleum liquids and petroleum coke.
Btu = British thermal unit.

W = Withheld to avoid disclosure of individual company data.

Note: Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. There may be a notable increase in fuel receipts beginning with 2008. For more information, please see the Technical Notes in the Electric Power Annual.

Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report." Federal Energy Regulatory Commission, FERC Form 423, "Monthly Cost and Quality of Fuels for Electric Plants." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 7. Electric Power Industry Emissions Estimates, 1998 and 2002 Through 2008 (Thousand Metric Tons)

Emission Type	1998	2002	2003	2004	2005	2006	2007	2008
Minnesota								
Sulfur Dioxide								
Coal.....	95	83	83	86	82	80	78	76
Petroleum.....	*	14	27	17	15	10	7	6
Natural Gas.....	* ^R	* ^R	* ^R	* ^R	*	* ^R	*	*
Other Renewables.....	4 ^R	4	3	4	4	4	4	5
Other.....	- ^R	*	*	*	*	*	*	*
Total.....	99	101	113	108	101	94	89	86
Nitrogen Oxide.....								
Coal.....	86	80	87	83	76	76	74	61
Petroleum.....	1	2	3	3	2	2	2	1
Natural Gas.....	5	2	2	2	3	3	3	2
Other Gases.....	-	-	-	-	-	-	1	1
Other Renewables.....	4 ^R	4	3	3	3	3	4	4
Other.....	- ^R	1	1	1	1	1	1	*
Total.....	96	89	97	92	86	85	84	69
Carbon Dioxide.....								
Coal.....	33,778 ^R	35,358 ^R	37,442 ^R	36,375 ^R	36,155 ^R	35,269 ^R	34,935 ^R	35,079
Petroleum.....	724 ^R	660 ^R	890 ^R	834 ^R	806 ^R	550 ^R	420 ^R	268
Natural Gas.....	1,406 ^R	1,164 ^R	1,227 ^R	1,127 ^R	1,796 ^R	1,646 ^R	2,205 ^R	1,626
Other Renewables.....	165 ^R	-	-	-	-	-	-	-
Other.....	- ^R	498 ^R	492 ^R	364 ^R	505 ^R	472 ^R	516 ^R	524
Total.....	36,073 ^R	37,680 ^R	40,052 ^R	38,700 ^R	39,262 ^R	37,936 ^R	38,076 ^R	37,498

R = Revised.

* = 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 *).

- (dash) = Data not available.

Source: Calculations made by the Electric Power Division, U. S. Energy Information Administration.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1998 and 2002 Through 2008

Sector	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Minnesota										
Retail Sales (thousand megawatthours)										
Residential	17,378	20,451	20,638	20,507	21,743	21,909	22,646	22,355	30.6	32.5
Commercial	10,436	19,457	20,533	20,407	21,985	22,175	22,523	22,604	18.4	32.9
Industrial	28,214	21,515	21,916	22,415	22,266	22,664	23,041	23,810	49.7	34.6
Other	716	740	NA	NA	NA	NA	NA	NA	1.3	--
Transportation.....	NA	NA	NA	11	25	21	21	22	--	*
All Sectors	56,744	62,162	63,087	63,340	66,019	66,770	68,231	68,792	100.0	100.0
Retail Revenue (million dollars).....										
Residential	1,273	1,531	1,579	1,624	1,799	1,905	2,078	2,176	39.3	40.6
Commercial	656	1,143	1,257	1,287	1,448	1,556	1,684	1,781	20.2	33.2
Industrial	1,257	875	955	1,038	1,118	1,198	1,311	1,399	38.8	26.1
Other	54	54	NA	NA	NA	NA	NA	NA	1.7	--
Transportation.....	NA	NA	NA	1	2	2	2	2	--	*
All Sectors	3,239	3,604	3,791	3,950	4,366	4,662	5,075	5,358	100.0	100.0
Average Retail Prices (cents/kWh)										
Residential	7.33	7.49	7.65	7.92	8.28	8.70	9.18	9.74	--	--
Commercial	6.28	5.88	6.12	6.31	6.59	7.02	7.48	7.88	--	--
Industrial	4.45	4.07	4.36	4.63	5.02	5.29	5.69	5.87	--	--
Other	7.48	7.36	NA	NA	NA	NA	NA	NA	--	--
Transportation.....	NA	NA	NA	6.75	6.21	7.95	8.27	8.04	--	--
All Sectors	5.71	5.80	6.01	6.24	6.61	6.98	7.44	7.79	--	--

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

* = 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 *).

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 9. Retail Electricity Sales Statistics, 2008

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Minnesota								
Number of Entities.....	5	124	1	46	2	NA	NA	178
Number of Retail Customers	1,453,251	359,295	5	746,827	12	NA	NA	2,559,390
Retail Sales (thousand megawatthours).....	44,256	9,673	59	14,165	639	NA	NA	68,792
Percentage of Retail Sales	64.33	14.06	0.09	20.59	0.93	--	--	100.00
Revenue from Retail Sales (million dollars)	3,311	782	1	1,238	25	NA	NA	5,358
Percentage of Revenue	61.80	14.60	0.02	23.11	0.47	--	--	100.00
Average Retail Price (cents/kWh).....	7.48	8.08	2.21	8.74	3.90	NA	NA	7.79

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Totals may not equal sum of components because of independent rounding. 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.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 10. Supply and Disposition of Electricity, 1998 and 2002 Through 2008
(Million Kilowatthours)

Category	1998	2002	2003	2004	2005	2006	2007	2008
Minnesota								
Supply								
Generation								
Electric Utilities	43,977	48,569	49,576	47,232	46,791	46,711	47,793	46,758
Independent Power Producers	506	1,206	2,858	2,792	3,332	4,136	3,774	5,472
Combined Heat and Power, Electric	650	552	697	309	938	639	1,143	784
Electric Power Sector Generation Subtotal	45,133	50,327	53,132	50,333	51,062	51,485	52,710	53,014
Combined Heat and Power, Commercial	124	124	117	107	108	104	97	98
Combined Heat and Power, Industrial.....	2,761	2,327	1,802	1,924	1,849	1,649	1,670	1,651
Industrial and Commercial Generation Subtotal	2,885	2,451	1,919	2,031	1,957	1,753	1,767	1,749
Total Net Generation	48,018	52,778	55,051	52,364	53,019	53,238	54,478	54,763
Total International Imports	8,954	6,605	3,852	6,152	10,768	11,216	10,150	8,778
Total Supply	56,972	59,383	58,903	58,516	63,787	64,454	64,628	63,541
Disposition								
Retail Sales								
Full Service Providers	56,744	62,162	62,502	63,340	66,019	66,770	68,225	68,152
Facility Direct Retail Sales ¹	-	-	586	-	-	-	6	639
Total Electric Industry Retail Sales	56,744	62,162	63,087	63,340	66,019	66,770	68,231	68,792
Direct Use	2,900	2,892	2,928	2,931	1,467	1,666	1,597	1,348
Total International Exports	1,018	2,431	6,363	3,542	3,014	3,291	3,289	1,010
Estimated Losses	3,843	4,641	4,662^R	5,376^R	5,048^R	4,966	3,958	3,794
Total Disposition	64,504	72,126	77,040^R	75,189^R	75,548^R	76,693	77,075	74,944
Net Interstate Trade ²	-7,532	-12,742	-18,138^R	-16,673^R	-11,761^R	-12,239	-12,447	-11,403
Net Trade Index (ratio) ³	0.88	0.82	0.76	0.78	0.84	0.84	0.84	0.85

¹ Facility Direct Retail Sales are electricity sales from non utility power producers which reported electricity sales to a retail customer.

² Net Interstate Trade is the difference between Total Supply and Total Disposition.

³ Net Trade Index is the ratio of Total Supply to Total Disposition.

R = Revised.

- (dash) = Data not available.

Notes: Totals may not equal sum of components because of independent rounding. 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. 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.

Sources: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms. U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry 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.

Table 1. 2008 Summary Statistics

Item	Value	U.S. Rank
Mississippi		
NERC Region(s).....		SERC
Primary Energy Source.....		Gas
Net Summer Capacity (megawatts)	15,942	25
Electric Utilities.....	10,093	27
Independent Power Producers & Combined Heat and Power.....	5,848	17
Net Generation (megawatthours).....	48,205,711	30
Electric Utilities.....	33,796,221	31
Independent Power Producers & Combined Heat and Power.....	14,409,490	23
Emissions (thousand metric tons)		
Sulfur Dioxide	69	29
Nitrogen Oxide	42	31
Carbon Dioxide.....	25,879	33
Sulfur Dioxide (lbs/MWh)	3.2	29
Nitrogen Oxide (lbs/MWh)	1.9	25
Carbon Dioxide (lbs/MWh).....	1,184	35
Total Retail Sales (megawatthours)	47,721,235	29
Full Service Provider Sales (megawatthours)	47,721,235	26
Direct Use (megawatthours)	3,375,414	15
Average Retail Price (cents/kWh).....	8.99	23

MWh = Megawatthours.

kWh = Kilowatthours.

Sources: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 2. Ten Largest Plants by Generating Capacity, 2008

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
Mississippi			
1. Victor J Daniel Jr	Coal	Mississippi Power Co	1,986
2. Grand Gulf.....	Nuclear	System Energy Resources, Inc	1,259
3. Baxter Wilson.....	Gas	Entergy Mississippi Inc	1,176
4. Jack Watson	Coal	Mississippi Power Co	998
5. Magnolia Power Plant	Gas	Magnolia Energy LP	863
6. Batesville Generation Facility	Gas	LSP Energy Ltd Partnership	858
7. Reliant Energy Choctaw County	Gas	RRI Energy Wholesale Generation LLC	848
8. TVA Southaven Combined Cycle	Gas	Tennessee Valley Authority	777
9. Caledonia.....	Gas	Tennessee Valley Authority	765
10. Gerald Andrus.....	Gas	Entergy Mississippi Inc	712

MW = Megawatt.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2008
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
Mississippi						
1. Entergy Mississippi Inc	Investor-Owned	13,171,307	5,353,565	5,252,647	2,565,095	-
2. Mississippi Power Co	Investor-Owned	9,204,120	2,121,389	2,895,630	4,187,101	-
3. Tennessee Valley Authority	Federal	4,234,646	-	-	4,234,646	-
4. Southern Pine Elec Power Assn	Cooperative	1,960,035	951,763	320,837	687,435	-
5. Coast Electric Power Assn	Cooperative	1,632,177	1,083,941	316,042	232,194	-
Total Sales, Top Five Providers		30,202,285	9,510,658	8,785,156	11,906,471	-
Percent of Total State Sales		63	52	66	74	-

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatts)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Mississippi										
Electric Utilities.....	7,156	8,888	9,279	9,015	8,904	9,407	9,377	10,093	94.9	63.3
Coal.....	2,136	2,225	2,231	2,220	2,123	2,108	2,102	2,115	28.3	13.3
Petroleum.....	40	36	36	32	34	36	36	36	0.5	0.2
Natural Gas.....	3,776	5,396	5,749	5,493	5,481	5,997	5,971	6,683	50.1	41.9
Nuclear.....	1,204	1,231	1,263	1,270	1,266	1,266	1,268	1,259	16.0	7.9
Independent Power Producers and Combined Heat and Power	382	4,803	8,004	8,004	7,980	7,212	6,826	5,848	5.1	36.7
Coal.....	-	440	440	440	440	440	440	440	-	2.8
Petroleum.....	1	-	-	-	-	-	-	-	*	-
Natural Gas.....	118	4,080	7,281	7,331	7,307	6,539	6,153	5,175	1.6	32.5
Other Gases.....	-	4	4	4	4	4	4	4	-	*
Other Renewables.....	263	279	279	229	229	229	229	229	3.5	1.4
Total Electric Industry.....	7,538	13,691	17,282	17,019	16,885	16,620	16,204	15,942	100.0	100.0
Coal.....	2,136	2,665	2,671	2,660	2,563	2,548	2,542	2,555	28.3	16.0
Petroleum.....	42	36	36	32	34	36	36	36	0.6	0.2
Natural Gas.....	3,894	9,476	13,029	12,824	12,789	12,537	12,125	11,859	51.7	74.4
Other Gases.....	-	4	4	4	4	4	4	4	-	*
Nuclear.....	1,204	1,231	1,263	1,270	1,266	1,266	1,268	1,259	16.0	7.9
Other Renewables.....	263	279	279	229	229	229	229	229	3.5	1.4

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatthours)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Mississippi										
Electric Utilities.....	31,991,676	35,099,283	31,358,938	32,838,145	30,619,168	34,158,706	34,426,533	33,796,221	93.0	70.1
Coal.....	11,747,963	12,483,658	13,742,273	14,274,786	13,389,906	14,907,777	14,422,788	14,033,627	34.1	29.1
Petroleum.....	5,417,924	26,357	1,620,395	2,763,630	1,432,077	395,330	397,080	71,597	15.7	0.1
Natural Gas.....	5,635,261	12,529,809	5,093,814	5,566,963	5,719,339	8,437,013	10,247,881	10,294,163	16.4	21.4
Nuclear.....	9,190,528	10,059,459	10,902,456	10,232,766	10,077,846	10,418,586	9,358,784	9,396,790	26.7	19.5
Other Renewables.....	-	-	-	-	-	-	-	44	-	*
Independent Power Producers and Combined Heat and Power.....	2,417,380	7,789,529	8,789,340	10,824,468	14,448,285	12,070,141	15,617,153	14,409,490	7.0	29.9
Coal.....	31,580	2,369,485	3,340,331	3,202,902	3,245,978	3,197,556	2,984,537	2,649,775	0.1	5.5
Petroleum.....	7,298	3,945	11,461	13,227	12,771	3,379	2,290	4,684	*	*
Natural Gas.....	941,711	4,441,588	4,383,419	6,051,604	9,640,727	7,268,836	11,087,292	10,313,264	2.7	21.4
Other Gases.....	-	37,916	31,799	40,748	20,166	43,723	42,325	40,445	-	0.1
Other Renewables.....	1,436,791	936,595	1,022,175	1,514,446	1,521,697	1,541,082	1,493,365	1,391,281	4.2	2.9
Other.....	-	-	156	1,541	6,947	15,566	7,344	10,040	-	*
Total Electric Industry.....	34,409,056	42,888,812	40,148,278	43,662,613	45,067,453	46,228,847	50,043,686	48,205,711	100.0	100.0
Coal.....	11,779,543	14,853,143	17,082,604	17,477,688	16,635,884	18,105,333	17,407,325	16,683,402	34.2	34.6
Petroleum.....	5,425,222	30,302	1,631,856	2,776,857	1,444,848	398,709	399,370	76,281	15.8	0.2
Natural Gas.....	6,576,972	16,971,397	9,477,233	11,618,567	15,360,066	15,705,849	21,335,173	20,607,427	19.1	42.7
Other Gases.....	-	37,916	31,799	40,748	20,166	43,723	42,325	40,445	-	0.1
Nuclear.....	9,190,528	10,059,459	10,902,456	10,232,766	10,077,846	10,418,586	9,358,784	9,396,790	26.7	19.5
Other Renewables.....	1,436,791	936,595	1,022,175	1,514,446	1,521,697	1,541,082	1,493,365	1,391,326	4.2	2.9
Other.....	-	-	156	1,541	6,947	15,566	7,344	10,040	-	*

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1998 and 2002 Through 2008

Fuel, Quality	1998	2002	2003	2004	2005	2006	2007	2008
Mississippi								
Coal (cents per million Btu)	154	W	W	W	W	W	W	W
Average heat value (Btu per pound).....	10,569	9,723	9,235	9,087	8,993	8,961	9,290	9,276
Average sulfur Content (percent).....	0.75	0.63	0.59	0.57	0.57	0.60	0.59	0.55
Petroleum (cents per million Btu) ¹	199	428	412	465	651	830	W	W
Average heat value (Btu per gallon).....	157,169	145,986	155,336	155,638	155,064	155,619	154,738	149,826
Average sulfur Content (percent).....	2.80	1.36	2.79	2.83	2.86	2.83	2.81	2.09
Natural Gas (cents per million Btu).....	222	346	557	594	911	695	720	942
Average heat value (Btu per cubic foot).....	1,039	1,030	1,036	1,033	1,034	1,036	1,032	1,020

¹ Petroleum includes petroleum liquids and petroleum coke.

Btu = British thermal unit.

W = Withheld to avoid disclosure of individual company data.

Note: Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. There may be a notable increase in fuel receipts beginning with 2008. For more information, please see the Technical Notes in the Electric Power Annual.

Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report." Federal Energy Regulatory Commission, FERC Form 423, "Monthly Cost and Quality of Fuels for Electric Plants." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 7. Electric Power Industry Emissions Estimates, 1998 and 2002 Through 2008
(Thousand Metric Tons)

Emission Type	1998	2002	2003	2004	2005	2006	2007	2008
Mississippi								
Sulfur Dioxide								
Coal.....	71	60	62	62	60	69	62	60
Petroleum.....	67	1	12	16	8	3	2	*
Natural Gas.....	*	*	*	*	*	*	*	*
Other Gases.....	-	-	*	*	-	*	-	-
Other Renewables.....	10	11	11	11	11	10	11	9
Other.....	*	*	*	*	*	*	*	*
Total.....	149	72	86	90	79	82	75	69
Nitrogen Oxide								
Coal.....	27	26	32	30	28	34	34	29
Petroleum.....	24	*	6	10	5	3	4	*
Natural Gas.....	7	16	6	5	7	5	7	10
Other Gases.....	-	*	*	*	*	*	*	*
Other Renewables.....	4	4	4	3	4	3	4	3
Other.....	*	*	*	*	*	*	*	*
Total.....	63	47	48	50	44	45	49	42
Carbon Dioxide								
Coal.....	11,528 ^R	14,147 ^R	16,577 ^R	17,068 ^R	16,340 ^R	17,555 ^R	17,071 ^R	16,426
Petroleum.....	4,378 ^R	35 ^R	1,341 ^R	2,272 ^R	1,268 ^R	348 ^R	367 ^R	91
Natural Gas.....	5,567 ^R	9,343 ^R	5,706 ^R	6,232 ^R	7,732 ^R	8,096 ^R	10,523 ^R	9,362
Other.....	3	-	1	7	21	23	31	-
Total.....	21,477 ^R	23,526 ^R	23,626 ^R	25,579 ^R	25,361 ^R	26,022 ^R	27,991 ^R	25,879

R = Revised.

* = 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 *).

- (dash) = Data not available.

Source: Calculations made by the Electric Power Division, U. S. Energy Information Administration.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1998 and 2002 Through 2008

Sector	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Mississippi										
Retail Sales (thousand megawatthours)										
Residential	16,392	17,844	17,670	17,580	17,953	18,276	18,566	18,294	38.6	38.3
Commercial	10,781	11,773	12,593	12,750	12,666	12,949	13,400	13,233	25.4	27.7
Industrial	14,599	15,021	15,281	15,702	15,282	15,712	16,187	16,195	34.3	33.9
Other	738	815	NA	NA	NA	NA	NA	NA	1.7	--
All Sectors	42,510	45,452	45,544	46,033	45,901	46,936	48,153	47,721	100.0	100.0
Retail Revenue (million dollars)										
Residential	1,152	1,299	1,343	1,444	1,564	1,765	1,737	1,902	45.3	44.3
Commercial	713	804	913	1,019	1,075	1,213	1,196	1,325	28.0	30.9
Industrial	616	661	684	759	821	934	931	1,062	24.2	24.8
Other	62	71	NA	NA	NA	NA	NA	NA	2.5	--
All Sectors	2,543	2,835	2,940	3,221	3,460	3,912	3,864	4,289	100.0	100.0
Average Retail Prices (cents/kWh)										
Residential	7.03	7.28	7.60	8.21	8.71	9.66	9.36	10.39	--	--
Commercial	6.62	6.83	7.25	7.99	8.48	9.37	8.92	10.02	--	--
Industrial	4.22	4.40	4.48	4.83	5.37	5.94	5.75	6.56	--	--
Other	8.45	8.76	NA	NA	NA	NA	NA	NA	--	--
All Sectors	5.98	6.24	6.46	7.00	7.54	8.33	8.03	8.99	--	--

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 9. Retail Electricity Sales Statistics, 2008

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	620,212	134,832	8	715,144	NA	NA	NA	1,470,196
Retail Sales (thousand megawatthours)	22,375	4,020	4,235	17,091	NA	NA	NA	47,721
Percentage of Retail Sales	46.89	8.42	8.87	35.82	--	--	--	100.00
Revenue from Retail Sales (million dollars)	2,067	353	200	1,668	NA	NA	NA	4,289
Percentage of Revenue	48.20	8.24	4.66	38.90	--	--	--	100.00
Average Retail Price (cents/kWh)	9.24	8.79	4.72	9.76	NA	NA	NA	8.99

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Totals may not equal sum of components because of independent rounding. 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.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 10. Supply and Disposition of Electricity, 1998 and 2002 Through 2008
(Million Kilowatthours)

Category	1998	2002	2003	2004	2005	2006	2007	2008
Mississippi								
Supply								
Generation								
Electric Utilities	31,992	35,099	31,359	32,838	30,619	34,159	34,427	33,796
Independent Power Producers	4	5,028	7,308	9,060	12,704	10,182	13,718	12,653
Combined Heat and Power, Electric	-	1,366	-	-	-	-	-	-
Electric Power Sector Generation Subtotal	31,996	41,493	38,667	41,898	43,323	44,341	48,144	46,449
Combined Heat and Power, Commercial	22	26	26	25	19	7	12	12
Combined Heat and Power, Industrial.....	2,391	1,370	1,455	1,740	1,725	1,881	1,888	1,745
Industrial and Commercial Generation Subtotal	2,413	1,396	1,482	1,764	1,745	1,888	1,899	1,757
Total Net Generation	34,409	42,889	40,148	43,663	45,067	46,229	50,044	48,206
Total Supply	34,409	42,889	40,148	43,663	45,067	46,229	50,044	48,206
Disposition								
Retail Sales								
Full Service Providers	42,510	45,452	45,544	46,033	45,901	46,936	48,153	47,721
Total Electric Industry Retail Sales	42,510	45,452	45,544	46,033	45,901	46,936	48,153	47,721
Direct Use	2,417	2,353	2,383	2,385	1,166	1,964	1,970	3,375
Estimated Losses.....	2,879	2,634	2,941 ^R	3,472 ^R	3,706 ^R	3,729	4,009	3,600
Total Disposition	47,806	50,439	50,868^R	51,889^R	50,774^R	52,629	54,133	54,696
Net Interstate Trade ¹	-13,397	-7,550	-10,720^R	-8,227^R	-5,706^R	-6,401	-4,089	-6,491
Net Trade Index (ratio) ²	0.72	0.85	0.79	0.84	0.89	0.88	0.92	0.88

¹ Net Interstate Trade is the difference between Total Supply and Total Disposition.

² Net Trade Index is the ratio of Total Supply to Total Disposition.

R = Revised.

- (dash) = Data not available.

Notes: Totals may not equal sum of components because of independent rounding. 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. 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.

Sources: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms. U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry 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.

Table 1. 2008 Summary Statistics

Item	Value	U.S. Rank
Missouri		
NERC Region(s).....		SERC/SPP
Primary Energy Source.....		Coal
Net Summer Capacity (megawatts)	20,706	19
Electric Utilities.....	19,621	14
Independent Power Producers & Combined Heat and Power.....	1,085	39
Net Generation (megawatthours).....	91,028,795	19
Electric Utilities.....	89,178,555	12
Independent Power Producers & Combined Heat and Power.....	1,850,241	46
Emissions (thousand metric tons)		
Sulfur Dioxide	253	12
Nitrogen Oxide	83	12
Carbon Dioxide.....	77,144	11
Sulfur Dioxide (lbs/MWh)	6.1	13
Nitrogen Oxide (lbs/MWh)	2.0	23
Carbon Dioxide (lbs/MWh).....	1,868	9
Total Retail Sales (megawatthours)	84,381,676	17
Full Service Provider Sales (megawatthours)	84,381,676	15
Direct Use (megawatthours)	310,758	43
Average Retail Price (cents/kWh).....	6.84	43

MWh = Megawatthours.

kWh = Kilowatthours.

Sources: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 2. Ten Largest Plants by Generating Capacity, 2008

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
Missouri			
1. Labadie	Coal	Union Electric Co	2,406
2. Callaway	Nuclear	Union Electric Co	1,190
3. Rush Island	Coal	Union Electric Co	1,181
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	993
7. Hawthorn	Coal	Kansas City Power & Light Co	980
8. Meramec	Coal	Union Electric Co	950
9. Iatan	Coal	Kansas City Power & Light Co	651
10. Aries Power Project.....	Gas	Dogwood Energy LLC	620

MW = Megawatt.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2008
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
1. Union Electric Co.....	Investor-Owned	37,980,626	13,903,713	14,797,651	9,255,510	23,752
2. Kansas City Power & Light Co.....	Investor-Owned	8,777,481	2,567,480	4,531,870	1,678,131	-
3. KCP&L Greater Missouri Operations.....	Investor-Owned	8,102,792	3,535,591	3,199,200	1,368,001	-
4. Empire District Electric Co.....	Investor-Owned	4,223,367	1,742,164	1,599,323	881,880	-
5. City Utilities of Springfield.....	Public	3,046,727	1,003,407	1,532,573	510,747	-
Total Sales, Top Five Providers.....		62,130,993	22,752,355	25,660,617	13,694,269	23,752
Percent of Total State Sales.....		74	64	82	77	100

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatts)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Electric Utilities.....	16,282	18,409	18,587	18,606	18,970	19,675	19,570	19,621	99.4	94.8
Coal.....	10,943	11,053	11,172	11,159	11,172	11,199	11,165	11,146	66.8	53.8
Petroleum.....	1,181	1,236	1,259	1,243	1,241	1,265	1,274	1,267	7.2	6.1
Natural Gas.....	1,815	3,778	3,806	3,853	4,158	4,809	4,728	4,790	11.1	23.1
Nuclear.....	1,143	1,143	1,137	1,137	1,190	1,190	1,190	1,190	7.0	5.7
Hydroelectric.....	543	543	556	556	552	552	552	566	3.3	2.7
Other Renewables.....	-	-	-	-	-	3	3	5	-	*
Pumped Storage.....	657	657	657	657	657	657	657	657	4.0	3.2
Independent Power Producers and Combined Heat and Power.....	106	1,394	1,390	1,557	1,562	924	988	1,085	0.6	5.2
Coal.....	93	96	96	98	100	100	94	94	0.6	0.5
Petroleum.....	9	11	11	11	13	13	12	15	0.1	0.1
Natural Gas.....	3	1,287	1,284	1,449	1,449	811	825	814	*	3.9
Other Renewables.....	-	-	-	-	-	-	57	163	-	0.8
Total Electric Industry.....	16,387	19,803	19,977	20,163	20,533	20,599	20,558	20,706	100.0	100.0
Coal.....	11,036	11,148	11,267	11,257	11,273	11,299	11,259	11,240	67.3	54.3
Petroleum.....	1,190	1,247	1,270	1,254	1,254	1,279	1,287	1,282	7.3	6.2
Natural Gas.....	1,819	5,065	5,089	5,302	5,607	5,619	5,553	5,604	11.1	27.1
Nuclear.....	1,143	1,143	1,137	1,137	1,190	1,190	1,190	1,190	7.0	5.7
Hydroelectric.....	543	543	556	556	552	552	552	566	3.3	2.7
Other Renewables.....	-	-	-	-	-	3	60	168	-	0.8
Pumped Storage.....	657	657	657	657	657	657	657	657	4.0	3.2

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatthours)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Missouri										
Electric Utilities.....	74,894,188	79,796,801	86,102,107	86,419,717	90,159,045	91,118,304	89,925,724	89,178,555	99.6	98.0
Coal.....	62,488,551	67,147,996	73,904,272	74,711,159	77,123,580	77,113,165	74,745,712	73,246,599	83.1	80.5
Petroleum.....	309,734	528,353	155,968	195,098	168,258	59,958	59,611	56,620	0.4	0.1
Natural Gas.....	1,232,461	2,477,701	1,820,848	1,978,307	3,522,842	3,512,299	4,102,135	3,847,997	1.6	4.2
Other Gases.....	-	-	1,652	2,400	2,383	5,091	3,400	2,587	-	*
Nuclear.....	8,516,773	8,389,629	9,699,589	7,830,693	8,030,577	10,116,660	9,371,955	9,378,629	11.3	10.3
Hydroelectric.....	2,346,585	1,356,928	652,477	1,479,914	1,159,326	199,214	1,204,326	2,046,773	3.1	2.2
Other Renewables.....	77,787	143	179	192	-	15,291	22,064	33,603	0.1	*
Pumped Storage.....	-77,703	-159,004	-253,991	115,325	85,932	47,552	383,473	545,355	-0.1	0.6
Other.....	-	55,055	121,112	106,630	66,147	49,074	33,048	20,393	-	*
Independent Power Producers and Combined Heat and Power.....	293,158	1,365,396	1,122,980	1,213,193	669,185	568,039	1,227,357	1,850,241	0.4	2.0
Coal.....	237,625	286,971	307,512	312,396	312,979	336,439	338,441	285,062	0.3	0.3
Petroleum.....	12,087	1,042	946	1,063	915	1,066	790	802	*	*
Natural Gas.....	32,349	1,066,236	803,502	886,545	343,104	217,128	877,244	1,348,140	*	1.5
Other Renewables.....	11,097	8,560	8,297	9,442	8,598	8,680	7,245	212,422	*	0.2
Other.....	-	2,587	2,724	3,747	3,590	4,726	3,637	3,815	-	*
Total Electric Industry.....	75,187,346	81,162,197	87,225,087	87,632,910	90,828,230	91,686,343	91,153,081	91,028,795	100.0	100.0
Coal.....	62,726,176	67,434,967	74,211,784	75,023,555	77,436,559	77,449,604	75,084,154	73,531,660	83.4	80.8
Petroleum.....	321,821	529,395	156,914	196,161	169,173	61,024	60,401	57,421	0.4	0.1
Natural Gas.....	1,264,810	3,543,937	2,624,350	2,864,851	3,865,946	3,729,427	4,979,379	5,196,137	1.7	5.7
Other Gases.....	-	-	1,652	2,400	2,383	5,091	3,400	2,587	-	*
Nuclear.....	8,516,773	8,389,629	9,699,589	7,830,693	8,030,577	10,116,660	9,371,955	9,378,629	11.3	10.3
Hydroelectric.....	2,346,585	1,356,928	652,477	1,479,914	1,159,326	199,214	1,204,326	2,046,773	3.1	2.2
Other Renewables.....	88,884	8,703	8,476	9,634	8,598	23,971	29,309	246,026	0.1	0.3
Pumped Storage.....	-77,703	-159,004	-253,991	115,325	85,932	47,552	383,473	545,355	-0.1	0.6
Other.....	-	57,642	123,836	110,377	69,737	53,800	36,685	24,208	-	*

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1998 and 2002 Through 2008

Fuel, Quality	1998	2002	2003	2004	2005	2006	2007	2008
Missouri								
Coal (cents per million Btu)	92	W	W	W	W	W	W	151
Average heat value (Btu per pound).....	8,938	8,875	8,865	8,838	8,854	8,808	8,825	8,837
Average sulfur Content (percent).....	0.37	0.36	0.37	0.38	0.37	0.36	0.38	0.38
Petroleum (cents per million Btu) ¹	118	118	W	279	1,236	1,457	1,713	W
Average heat value (Btu per gallon).....	89,640	136,381	137,769	139,288	137,693	137,188	137,476	137,340
Average sulfur Content (percent).....	4.09	3.33	2.39	3.02	0.24	0.24	0.23	0.80
Natural Gas (cents per million Btu).....	223	W	W	W	W	W	W	W
Average heat value (Btu per cubic foot).....	1,011	1,012	1,016	1,016	1,020	1,024	1,024	1,021

¹ Petroleum includes petroleum liquids and petroleum coke.

Btu = British thermal unit.

W = Withheld to avoid disclosure of individual company data.

Note: Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. There may be a notable increase in fuel receipts beginning with 2008. For more information, please see the Technical Notes in the Electric Power Annual.

Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report." Federal Energy Regulatory Commission, FERC Form 423, "Monthly Cost and Quality of Fuels for Electric Plants." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 7. Electric Power Industry Emissions Estimates, 1998 and 2002 Through 2008 (Thousand Metric Tons)

Emission Type	1998	2002	2003	2004	2005	2006	2007	2008
Missouri								
Sulfur Dioxide								
Coal.....	274	224	255	265	266	253	251	253
Petroleum.....	1	11	2	3	7	6	6	*
Natural Gas.....	* ^R	*	*	*	*	*	*	*
Other.....	1	*	2	1	1	1	1	*
Total.....	276	236	258	270	273	260	258	253
Nitrogen Oxide								
Coal.....	193	127	133	114	113	105	97	81
Petroleum.....	2	1	*	*	1	*	*	*
Natural Gas.....	3	2	1	2	1	2	2	1
Other Gases.....	-	-	-	-	-	-	-	*
Other Renewables.....	*	*	*	*	*	*	*	*
Other.....	*	*	*	*	*	*	*	*
Total.....	198	130	135	117	115	108	100	83
Carbon Dioxide								
Coal.....	64,659 ^R	68,223 ^R	74,969 ^R	75,942 ^R	78,638 ^R	77,983 ^R	75,553 ^R	74,720
Petroleum.....	315 ^R	533 ^R	156 ^R	198 ^R	171 ^R	63 ^R	62	64
Natural Gas.....	919 ^R	1,642 ^R	1,198 ^R	1,351 ^R	1,747 ^R	1,790 ^R	2,244 ^R	2,329
Other.....	5	53 ^R	114 ^R	103 ^R	71 ^R	55	40 ^R	31
Total.....	65,898 ^R	70,452 ^R	76,436 ^R	77,594 ^R	80,627 ^R	79,892 ^R	77,899 ^R	77,144

R = Revised.

* = 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 *).

- (dash) = Data not available.

Source: Calculations made by the Electric Power Division, U. S. Energy Information Administration.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1998 and 2002 Through 2008

Sector	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Missouri										
Retail Sales (thousand megawatthours)										
Residential	28,265	31,684	31,422	31,351	34,412	33,880	35,872	35,390	41.0	41.9
Commercial	23,920	26,796	27,987	28,391	29,640	29,800	31,126	31,118	34.7	36.9
Industrial	15,801	15,341	14,831	14,303	16,869	18,316	18,515	17,850	22.9	21.2
Other	1,024	1,179	NA	NA	NA	NA	NA	NA	1.5	--
Transportation.....	NA	NA	NA	10	19	19	20	24	--	*
All Sectors	69,010	75,001	74,240	74,054	80,940	82,015	85,533	84,382	100.0	100.0
Retail Revenue (million dollars).....										
Residential	2,001	2,238	2,186	2,185	2,437	2,520	2,758	2,832	47.7	49.1
Commercial	1,432	1,576	1,618	1,648	1,756	1,811	1,973	2,057	34.1	35.7
Industrial	699	679	667	661	766	838	882	879	16.7	15.2
Other	64	73	NA	NA	NA	NA	NA	NA	1.5	--
Transportation.....	NA	NA	NA	*	1	1	1	1	--	*
All Sectors	4,197	4,565	4,470	4,494	4,960	5,170	5,614	5,768	100.0	100.0
Average Retail Prices (cents/kWh)										
Residential	7.08	7.06	6.96	6.97	7.08	7.44	7.69	8.00	--	--
Commercial	5.99	5.88	5.78	5.80	5.92	6.08	6.34	6.61	--	--
Industrial	4.43	4.42	4.49	4.62	4.54	4.58	4.76	4.92	--	--
Other	6.25	6.20	NA	NA	NA	NA	NA	NA	--	--
Transportation.....	NA	NA	NA	4.91	4.77	5.75	6.16	5.40	--	--
All Sectors	6.08	6.09	6.02	6.07	6.13	6.30	6.56	6.84	--	--

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

* = 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 *).

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 9. Retail Electricity Sales Statistics, 2008

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Missouri								
Number of Entities.....	4	87	NA	43	2	NA	NA	136
Number of Retail Customers	1,926,550	421,384	NA	719,462	2	NA	NA	3,067,398
Retail Sales (thousand megawatthours).....	59,084	11,013	NA	14,178	107	NA	NA	84,382
Percentage of Retail Sales	70.02	13.05	--	16.80	0.13	--	--	100.00
Revenue from Retail Sales (million dollars)	3,759	845	NA	1,159	5	NA	NA	5,768
Percentage of Revenue	65.16	14.66	--	20.09	0.09	--	--	100.00
Average Retail Price (cents/kWh).....	6.36	7.68	NA	8.17	5.08	NA	NA	6.84

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Totals may not equal sum of components because of independent rounding. 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.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 10. Supply and Disposition of Electricity, 1998 and 2002 Through 2008
(Million Kilowatthours)

Category	1998	2002	2003	2004	2005	2006	2007	2008
Missouri								
Supply								
Generation								
Electric Utilities	74,894	79,797	86,102	86,420	90,159	91,118	89,926	89,179
Independent Power Producers	-	1,039	783	828	319	165	820	1,423
Combined Heat and Power, Electric	-	-	-	46	5	30	45	127
Electric Power Sector Generation Subtotal	74,894	80,836	86,886	87,294	90,483	91,313	90,791	90,728
Combined Heat and Power, Commercial	117	140	134	155	163	201	194	151
Combined Heat and Power, Industrial.....	177	186	205	184	182	172	168	150
Industrial and Commercial Generation Subtotal	293	327	340	339	345	373	362	301
Total Net Generation	75,187	81,162	87,225	87,633	90,828	91,686	91,153	91,029
Total International Imports	1	*	-	-	12	3	1	209
Total Supply	75,188	81,162	87,225	87,633	90,841	91,689	91,154	91,238
Disposition								
Retail Sales								
Full Service Providers	68,986	75,001	74,220	74,035	80,921	81,996	85,513	84,275
Energy-Only Providers.....	24	-	-	-	-	-	-	-
Facility Direct Retail Sales ¹	-	-	20	20	20	20	20	107
Total Electric Industry Retail Sales	69,010	75,001	74,240	74,054	80,940	82,015	85,533	84,382
Direct Use	293	301	305	305	293	160	328	311
Total International Exports	*	*	*	6	2	*	*	15
Estimated Losses	4,673	6,986	5,488^R	5,999^R	6,793^R	6,730	6,346	5,885
Total Disposition	73,977	82,288	80,032^R	80,365^R	88,029^R	88,906	92,207	90,593
Net Interstate Trade ²	1,211	-1,126	7,193^R	7,268^R	2,812^R	2,784	-1,053	645
Net Trade Index (ratio) ³	1.02	0.99	1.09	1.09	1.03	1.03	0.99	1.01

¹ Facility Direct Retail Sales are electricity sales from non utility power producers which reported electricity sales to a retail customer.

² Net Interstate Trade is the difference between Total Supply and Total Disposition.

³ Net Trade Index is the ratio of Total Supply to Total Disposition.

R = Revised.

* = 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 *).

- (dash) = Data not available.

Notes: Totals may not equal sum of components because of independent rounding. 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. 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.

Sources: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms. U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry 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.

Table 1. 2008 Summary Statistics

Item	Value	U.S. Rank
Montana		
NERC Region(s).....		MRO/WECC
Primary Energy Source.....		Coal
Net Summer Capacity (megawatts)	5,614	40
Electric Utilities.....	2,190	38
Independent Power Producers & Combined Heat and Power.....	3,424	26
Net Generation (megawatthours).....	29,637,137	41
Electric Utilities.....	6,902,037	37
Independent Power Producers & Combined Heat and Power.....	22,735,100	15
Emissions (thousand metric tons)		
Sulfur Dioxide	22	38
Nitrogen Oxide.....	28	35
Carbon Dioxide.....	20,226	36
Sulfur Dioxide (lbs/MWh)	1.7	37
Nitrogen Oxide (lbs/MWh)	2.1	22
Carbon Dioxide (lbs/MWh).....	1,505	20
Total Retail Sales (megawatthours).....	15,326,400	41
Full Service Provider Sales (megawatthours)	12,491,979	41
Deregulated Sales (megawatthours)	2,834,421	14
Direct Use (megawatthours)	287,003	44
Average Retail Price (cents/kWh).....	7.72	36

MWh = Megawatthours.

kWh = Kilowatthours.

Sources: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 2. Ten Largest Plants by Generating Capacity, 2008

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	548
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	206
7. Fort Peck.....	Hydroelectric	USCE-Missouri River District	180
8. J E Corette Plant	Coal	PPL Montana LLC	154
9. Judith Gap Wind Energy Center.....	Other Renewables	Invenergy Services LLC	135
10. Hardin Generator Project.....	Coal	Rocky Mountain Power Inc	107

MW = Megawatt.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2008
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
1. NorthWestern Corporation	Investor-Owned	5,899,570	2,282,897	3,071,000	545,673	-
2. PPL EnergyPlus LLC	Other Provider	2,328,682	-	-	2,328,682	-
3. Flathead Electric Coop Inc	Cooperative	1,369,699	666,256	449,142	254,301	-
4. Hinson Power Company LLC	Investor-Owned	1,367,418	-	-	1,367,418	-
5. Montana-Dakota Utilities Co	Investor-Owned	691,107	161,394	224,435	305,278	-
Total Sales, Top Five Providers		11,656,476	3,110,547	3,744,577	4,801,352	-
Percent of Total State Sales		76	67	78	82	-

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatts)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Electric Utilities.....	4,944	2,232	2,274	2,189	2,186	2,163	2,179	2,190	97.6	39.0
Coal.....	2,300	52	52	52	52	52	52	52	45.4	0.9
Petroleum.....	5	-	-	-	2	2	2	2	0.1	*
Natural Gas	52	58	97	98	100	100	100	100	1.0	1.8
Hydroelectric	2,587	2,122	2,124	2,040	2,032	2,009	2,025	2,030	51.1	36.2
Other Renewables.....	-	-	-	-	-	-	-	6	-	0.1
Independent Power Producers and Combined Heat and Power	121	2,939	2,937	2,943	3,082	3,274	3,301	3,424	2.4	61.0
Coal.....	39	2,244	2,248	2,283	2,287	2,408	2,406	2,390	0.8	42.6
Petroleum.....	61	90	90	55	55	55	57	55	1.2	1.0
Natural Gas	-	-	-	-	-	54	54	54	-	1.0
Other Gases.....	-	-	-	-	-	-	-	2	-	*
Hydroelectric	11	595	588	588	588	595	595	630	0.2	11.2
Other Renewables.....	10	11	11	17	152	162	189	294	0.2	5.2
Total Electric Industry.....	5,065	5,172	5,210	5,132	5,268	5,437	5,479	5,614	100.0	100.0
Coal.....	2,339	2,296	2,300	2,335	2,339	2,460	2,458	2,442	46.2	43.5
Petroleum.....	66	90	90	55	57	57	59	57	1.3	1.0
Natural Gas	52	58	97	98	100	154	154	154	1.0	2.7
Other Gases.....	-	-	-	-	-	-	-	2	-	*
Hydroelectric	2,598	2,717	2,712	2,627	2,619	2,604	2,620	2,660	51.3	47.4
Other Renewables.....	10	11	11	17	152	162	189	300	0.2	5.3

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatthours)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Montana										
Electric Utilities.....	27,616,913	6,726,239	6,020,681	6,066,404	6,587,015	6,956,390	6,342,288	6,902,037	97.0	23.3
Coal.....	16,507,968	285,747	322,205	347,287	283,468	336,324	313,689	330,634	58.0	1.1
Petroleum.....	14,344	720	1,482	1,004	458	426	1,289	1,027	0.1	*
Natural Gas.....	40,953	6,747	17,997	12,532	10,602	8,347	15,007	3,430	0.1	*
Hydroelectric.....	11,053,648	6,433,025	5,678,997	5,705,581	6,292,487	6,611,293	6,012,303	6,566,946	38.8	22.2
Independent Power Producers and Combined Heat and Power.....	843,605	18,747,466	20,248,046	20,722,364	21,351,763	21,287,146	22,589,205	22,735,100	3.0	76.7
Coal.....	276,818	15,052,082	16,726,430	17,032,941	17,539,871	16,748,756	18,043,086	18,000,899	1.0	60.7
Petroleum.....	412,387	468,939	400,682	438,133	414,418	418,698	477,388	418,124	1.4	1.4
Natural Gas.....	14,823	9,931	7,471	15,421	16,336	59,233	90,966	62,228	0.1	0.2
Other Gases.....	31,136	19,160	19,520	22,972	14,665	11,207	19,011	5,772	0.1	*
Hydroelectric.....	64,292	3,133,884	3,022,775	3,150,450	3,294,862	3,518,868	3,352,033	3,432,611	0.2	11.6
Other Renewables.....	44,149	63,470	71,168	62,446	71,612	530,385	606,721	815,467	0.2	2.8
Total Electric Industry.....	28,460,518	25,473,705	26,268,727	26,788,768	27,938,778	28,243,536	28,931,493	29,637,137	100.0	100.0
Coal.....	16,784,786	15,337,829	17,048,635	17,380,228	17,823,339	17,085,080	18,356,775	18,331,532	59.0	61.9
Petroleum.....	426,731	469,659	402,164	439,137	414,876	419,124	478,677	419,150	1.5	1.4
Natural Gas.....	55,776	16,678	25,468	27,953	26,938	67,580	105,974	65,659	0.2	0.2
Other Gases.....	31,136	19,160	19,520	22,972	14,665	11,207	19,011	5,772	0.1	*
Hydroelectric.....	11,117,940	9,566,909	8,701,772	8,856,031	9,587,349	10,130,161	9,364,336	9,999,557	39.1	33.7
Other Renewables.....	44,149	63,470	71,168	62,446	71,612	530,385	606,721	815,467	0.2	2.8

* = 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 *).

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1998 and 2002 Through 2008

Fuel, Quality	1998	2002	2003	2004	2005	2006	2007	2008
Montana								
Coal (cents per million Btu)	67	W	W	W	W	W	W	W
Average heat value (Btu per pound).....	8,433	8,482	8,515	8,504	8,447	8,428	8,426	8,347
Average sulfur Content (percent)	0.72	0.64	0.62	0.63	0.66	0.66	0.61	0.69
Petroleum (cents per million Btu) ¹	466	W	W	W	W	W	W	W
Average heat value (Btu per gallon).....	141,000	137,148	136,574	137,064	126,095	130,833	137,343	136,819
Average sulfur Content (percent)	-	3.66	0.45	0.46	0.35	5.57	6.04	5.93
Natural Gas (cents per million Btu).....	192	W	W	W	W	W	W	W
Average heat value (Btu per cubic foot).....	1,072	1,104	1,123	1,095	1,106	1,093	1,013	1,025

¹ Petroleum includes petroleum liquids and petroleum coke.

Btu = British thermal unit.

W = Withheld to avoid disclosure of individual company data.

- (dash) = Data not available.

Note: Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. There may be a notable increase in fuel receipts beginning with 2008. For more information, please see the Technical Notes in the Electric Power Annual.

Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report." Federal Energy Regulatory Commission, FERC Form 423, "Monthly Cost and Quality of Fuels for Electric Plants." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 7. Electric Power Industry Emissions Estimates, 1998 and 2002 Through 2008 (Thousand Metric Tons)

Emission Type	1998	2002	2003	2004	2005	2006	2007	2008
Montana								
Sulfur Dioxide								
Coal.....	22	18	16	19	18	18	20	18
Petroleum.....	2	3	2	2	2	2	2	3
Natural Gas	*	-	-	-	-	-	-	-
Other Renewables.....	2	2	5	2	2	1	2	1
Total.....	27	22	23	23	22	22	24	22
Nitrogen Oxide								
Coal.....	37	31	32	33	36	36	37	26
Petroleum.....	2	1	*	*	*	*	*	*
Natural Gas	*	*	*	*	*	1	1	1
Other Gases.....	* ^R	1	*	1	1	1	1	*
Other Renewables.....	1	1	3	1	1	1	1	1
Total.....	40	34	35	35	38	38	40	28
Carbon Dioxide								
Coal.....	17,685 ^R	15,908 ^R	18,089 ^R	18,543 ^R	18,857 ^R	18,369 ^R	19,365 ^R	19,441
Petroleum.....	696 ^R	750 ^R	710 ^R	831 ^R	786 ^R	793 ^R	749 ^R	706
Natural Gas	209 ^R	69 ^R	58	125 ^R	102	118 ^R	101	75
Geothermal	-	-	-	-	-	-	-	3
Total.....	18,590 ^R	16,727 ^R	18,857 ^R	19,499 ^R	19,746 ^R	19,279 ^R	20,215 ^R	20,226

R = Revised.

* = 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 *).

- (dash) = Data not available.

Source: Calculations made by the Electric Power Division, U. S. Energy Information Administration.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1998 and 2002 Through 2008

Sector	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Montana										
Retail Sales (thousand megawatthours)										
Residential	3,722	4,031	4,120	4,053	4,221	4,394	4,542	4,669	26.3	30.5
Commercial	3,313	4,003	4,438	4,330	4,473	4,686	4,828	4,826	23.4	31.5
Industrial	6,774	4,463	4,267	4,574	4,784	4,735	6,163	5,831	47.9	38.0
Other	335	335	NA	NA	NA	NA	NA	NA	2.4	--
All Sectors	14,145	12,831	12,825	12,957	13,479	13,815	15,532	15,326	100.0	100.0
Retail Revenue (million dollars)										
Residential	242	291	311	319	342	364	398	426	35.7	36.0
Commercial	195	251	304	321	332	349	391	412	28.7	34.9
Industrial	221	165	172	190	231	242	318	344	32.6	29.1
Other	20	24	NA	NA	NA	NA	NA	NA	3.0	--
All Sectors	678	732	787	830	906	955	1,108	1,183	100.0	100.0
Average Retail Prices (cents/kWh)										
Residential	6.50	7.23	7.56	7.86	8.10	8.28	8.77	9.13	--	--
Commercial	5.87	6.28	6.85	7.42	7.43	7.44	8.10	8.54	--	--
Industrial	3.19	3.71	4.03	4.15	4.83	5.12	5.16	5.90	--	--
Other	6.07	7.04	NA	NA	NA	NA	NA	NA	--	--
All Sectors	4.80	5.70	6.14	6.40	6.72	6.91	7.13	7.72	--	--

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 9. Retail Electricity Sales Statistics, 2008

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Montana								
Number of Entities	5	1	2	30	NA	2	1	41
Number of Retail Customers	354,070	969	20,483	190,803	NA	525	NA	566,850
Retail Sales (thousand megawatthours)	7,998	16	481	3,997	NA	2,834	NA	15,326
Percentage of Retail Sales	52.19	0.10	3.14	26.08	--	18.49	--	100.00
Revenue from Retail Sales (million dollars)	696	1	22	287	NA	159	18	1,183
Percentage of Revenue	58.88	0.08	1.89	24.24	--	13.40	1.52	100.00
Average Retail Price (cents/kWh)	8.71	5.72	4.65	7.17	NA	5.59	0.63	7.72

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Totals may not equal sum of components because of independent rounding. 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.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 10. Supply and Disposition of Electricity, 1998 and 2002 Through 2008
(Million Kilowatthours)

Category	1998	2002	2003	2004	2005	2006	2007	2008
Montana								
Supply								
Generation								
Electric Utilities	27,617	6,726	6,021	6,066	6,587	6,956	6,342	6,902
Independent Power Producers	341	18,327	19,792	20,210	20,851	20,764	21,986	22,202
Combined Heat and Power, Electric	443	348	378	434	412	408	482	405
Electric Power Sector Generation Subtotal	28,401	25,402	26,191	26,710	27,851	28,128	28,810	29,509
Combined Heat and Power, Industrial.....	59	72	78	78	88	116	121	128
Industrial and Commercial Generation Subtotal	59	72	78	78	88	116	121	128
Total Net Generation	28,461	25,474	26,269	26,789	27,939	28,244	28,931	29,637
Total International Imports	27	52	11	40	109	86	95	241
Total Supply	28,487	25,526	26,280	26,829	28,048	28,329	29,026	29,879
Disposition								
Retail Sales								
Full Service Providers	13,774	10,323	10,282	10,084	10,642	10,821	12,832	12,492
Energy-Only Providers.....	371	2,508	2,542	2,873	2,836	2,994	2,700	2,834
Total Electric Industry Retail Sales	14,145	12,831	12,825	12,957	13,479	13,815	15,532	15,326
Direct Use	110	153	155	155	93	120	201	287
Total International Exports	4	-	1	76	100	299	149	489
Estimated Losses	958	2,257	1,448	3,067^R	3,722^R	3,575	3,411	4,439
Total Disposition	15,216	15,242	14,429	16,255	17,393	17,810	19,293	20,541
Net Interstate Trade ¹	13,271	10,284	11,851^R	10,574	10,655	10,519	9,733	9,337
Net Trade Index (ratio) ²	1.87	1.67	1.82	1.65	1.61	1.59	1.50	1.45

¹ Net Interstate Trade is the difference between Total Supply and Total Disposition.

² Net Trade Index is the ratio of Total Supply to Total Disposition.

R = Revised.

- (dash) = Data not available.

Notes: Totals may not equal sum of components because of independent rounding. 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. 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.

Sources: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms. U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry 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.

Table 1. 2008 Summary Statistics

Item	Value	U.S. Rank
Nebraska		
NERC Region(s).....		MRO
Primary Energy Source.....		Coal
Net Summer Capacity (megawatts)	7,024	39
Electric Utilities.....	7,011	30
Independent Power Producers & Combined Heat and Power.....	12	51
Net Generation (megawatthours).....	32,373,522	39
Electric Utilities.....	32,355,676	32
Independent Power Producers & Combined Heat and Power.....	17,846	51
Emissions (thousand metric tons)		
Sulfur Dioxide	70	28
Nitrogen Oxide.....	41	33
Carbon Dioxide.....	22,304	34
Sulfur Dioxide (lbs/MWh)	4.7	17
Nitrogen Oxide (lbs/MWh)	2.8	14
Carbon Dioxide (lbs/MWh).....	1,519	18
Total Retail Sales (megawatthours)	28,810,989	36
Full Service Provider Sales (megawatthours)	28,810,989	35
Direct Use (megawatthours)	17,848	48
Average Retail Price (cents/kWh).....	6.58	45

MWh = Megawatthours.

kWh = Kilowatthours.

Sources: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 2. Ten Largest Plants by Generating Capacity, 2008

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	770
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	482
6. Cass County.....	Gas	Omaha Public Power District	320
7. Sarpy County.....	Gas	Omaha Public Power District	314
8. Rokeby.....	Gas	Lincoln Electric System	249
9. Beatrice.....	Gas	Nebraska Public Power District	237
10. Sheldon.....	Coal	Nebraska Public Power District	225

MW = Megawatt.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2008
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
Nebraska						
1. Omaha Public Power District	Public	10,173,367	3,486,225	3,769,131	2,918,011	-
2. Lincoln Electric System.....	Public	3,236,287	1,159,287	1,506,132	570,868	-
3. Nebraska Public Power District.....	Public	3,145,042	820,317	1,092,846	1,231,879	-
4. Loup River Public Power Dist.....	Public	1,124,447	242,603	214,545	667,299	-
5. Southern Public Power District.....	Public	925,497	238,393	31,776	655,328	-
Total Sales, Top Five Providers		18,604,640	5,946,825	6,614,430	6,043,385	-
Percent of Total State Sales		65	61	70	63	-

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatts)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Nebraska										
Electric Utilities.....	5,811	6,052	6,667	6,722	7,007	7,056	6,959	7,011	99.7	99.8
Coal.....	3,169	3,196	3,196	3,196	3,196	3,196	3,196	3,196	54.4	45.5
Petroleum.....	518	638	637	638	639	641	330	382	8.9	5.4
Natural Gas.....	712	811	1,317	1,374	1,589	1,630	1,889	1,874	12.2	26.7
Nuclear.....	1,245	1,234	1,233	1,232	1,238	1,238	1,240	1,252	21.4	17.8
Hydroelectric.....	167	167	268	266	269	272	273	278	2.9	4.0
Other Renewables.....	-	6	16	16	76	78	30	30	-	0.4
Independent Power Producers and Combined Heat and Power	17	17	17	16	16	16	12	12	0.3	0.2
Coal.....	7	8	8	8	8	8	8	8	0.1	0.1
Petroleum.....	1	1	1	1	1	1	-	-	*	-
Natural Gas.....	5	4	4	2	2	2	-	-	0.1	-
Other Renewables.....	4	5	5	4	4	4	5	5	0.1	0.1
Total Electric Industry.....	5,827	6,069	6,684	6,738	7,023	7,071	6,971	7,024	100.0	100.0
Coal.....	3,176	3,204	3,204	3,204	3,204	3,204	3,204	3,204	54.5	45.6
Petroleum.....	519	639	638	639	640	642	330	382	8.9	5.4
Natural Gas.....	717	815	1,320	1,376	1,591	1,632	1,889	1,874	12.3	26.7
Nuclear.....	1,245	1,234	1,233	1,232	1,238	1,238	1,240	1,252	21.4	17.8
Hydroelectric.....	167	167	268	266	269	272	273	278	2.9	4.0
Other Renewables.....	4	10	21	21	80	83	35	35	0.1	0.5

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatthours)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Nebraska										
Electric Utilities.....	28,720,209	31,550,226	30,367,879	31,944,127	31,391,643	31,599,046	32,403,289	32,355,676	99.7	99.9
Coal.....	18,335,965	19,899,803	20,907,970	20,414,960	20,772,590	20,632,855	19,611,849	21,479,723	63.7	66.3
Petroleum.....	41,892	18,410	47,971	21,004	30,026	18,914	35,552	34,655	0.1	0.1
Natural Gas.....	400,008	404,106	369,409	288,576	794,533	752,584	1,103,962	757,060	1.4	2.3
Other Gases.....	-	101	206	142	6	-	-	-	-	-
Nuclear.....	8,258,803	10,122,242	7,996,902	10,241,254	8,801,841	9,002,656	11,041,532	9,479,039	28.7	29.3
Hydroelectric.....	1,682,834	1,097,486	980,110	913,021	871,473	893,386	347,444	346,456	5.8	1.1
Other Renewables.....	707	8,078	65,311	65,170	121,174	298,651	262,949	258,743	*	0.8
Independent Power Producers and Combined Heat and Power.....	76,582	68,268	88,105	64,582	73,091	70,923	39,410	17,846	0.3	0.1
Coal.....	44,506	44,104	46,203	42,125	45,581	49,693	18,062	49	0.2	*
Petroleum.....	715	2,139	881	864	980	403	215	-	*	-
Natural Gas.....	14,475	9,032	11,669	8,814	8,450	6,217	6,058	1,427	0.1	*
Other Renewables.....	16,886	12,993	29,352	12,779	18,080	14,610	15,075	16,370	0.1	0.1
Total Electric Industry.....	28,796,791	31,618,494	30,455,984	32,008,709	31,464,734	31,669,969	32,442,699	32,373,522	100.0	100.0
Coal.....	18,380,471	19,943,907	20,954,173	20,457,085	20,818,171	20,682,548	19,629,911	21,479,773	63.8	66.3
Petroleum.....	42,607	20,549	48,852	21,868	31,005	19,317	35,767	34,655	0.1	0.1
Natural Gas.....	414,483	413,138	381,078	297,390	802,983	758,801	1,110,020	758,487	1.4	2.3
Other Gases.....	-	101	206	142	6	-	-	-	-	-
Nuclear.....	8,258,803	10,122,242	7,996,902	10,241,254	8,801,841	9,002,656	11,041,532	9,479,039	28.7	29.3
Hydroelectric.....	1,682,834	1,097,486	980,110	913,021	871,473	893,386	347,444	346,456	5.8	1.1
Other Renewables.....	17,593	21,071	94,663	77,949	139,254	313,261	278,024	275,113	0.1	0.8

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1998 and 2002 Through 2008

Fuel, Quality	1998	2002	2003	2004	2005	2006	2007	2008
Nebraska								
Coal (cents per million Btu)	59	58	60	66	71	80	88	90
Average heat value (Btu per pound).....	8,584	8,654	8,673	8,574	8,570	8,514	8,511	8,496
Average sulfur Content (percent)	0.27	0.30	0.29	0.32	0.31	0.30	0.31	0.31
Petroleum (cents per million Btu) ¹	333	555	457	712	1,343	1,534	1,669	1,772
Average heat value (Btu per gallon).....	132,550	138,043	138,040	136,976	138,119	138,124	138,007	139,452
Average sulfur Content (percent)	0.41	0.17	0.12	0.17	0.04	0.02	0.02	0.47
Natural Gas (cents per million Btu).....	243	417	564	654	824	743	899	W
Average heat value (Btu per cubic foot).....	989	1,002	998	995	990	984	997	1,007

¹ Petroleum includes petroleum liquids and petroleum coke.

Btu = British thermal unit.

W = Withheld to avoid disclosure of individual company data.

Note: Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. There may be a notable increase in fuel receipts beginning with 2008. For more information, please see the Technical Notes in the Electric Power Annual.

Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report." Federal Energy Regulatory Commission, FERC Form 423, "Monthly Cost and Quality of Fuels for Electric Plants." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 7. Electric Power Industry Emissions Estimates, 1998 and 2002 Through 2008 (Thousand Metric Tons)

Emission Type	1998	2002	2003	2004	2005	2006	2007	2008
Nebraska								
Sulfur Dioxide								
Coal	53	62	63	68	67	65	63	69
Petroleum	*	*	*	*	*	*	*	*
Natural Gas	_R	_R	_R	_R	*	*	*	*
Total	53	62	63	68	67	65	63	70
Nitrogen Oxide								
Coal	44	43	46	44	46	41	37	40
Petroleum	1	*	*	*	*	*	*	*
Natural Gas	1	1	1	*	11	19	1	*
Other Renewables	*	*	1	1	1	1	1	1
Total	46	44	48	46	58	61	39	41
Carbon Dioxide								
Coal	19,196 ^R	20,376 ^R	21,310 ^R	20,985 ^R	21,447 ^R	21,300 ^R	20,221 ^R	21,886
Petroleum	41	20	44	21	29	19 ^R	35 ^R	31
Natural Gas	298 ^R	262 ^R	249 ^R	182 ^R	435 ^R	422 ^R	595 ^R	386
Total	19,536 ^R	20,658 ^R	21,603 ^R	21,188 ^R	21,912 ^R	21,741 ^R	20,851 ^R	22,304

R = Revised.

* = 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 *).

- (dash) = Data not available.

Source: Calculations made by the Electric Power Division, U. S. Energy Information Administration.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1998 and 2002 Through 2008

Sector	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Nebraska										
Retail Sales (thousand megawatthours)										
Residential	8,160	8,956	8,852	8,757	9,309	9,294	9,748	9,749	35.3	33.8
Commercial	6,594	7,384	8,583	8,501	8,848	9,006	9,396	9,438	28.5	32.8
Industrial	6,916	7,563	8,421	8,618	8,819	8,977	9,104	9,624	29.9	33.4
Other	1,475	1,758	NA	NA	NA	NA	NA	NA	6.4	--
All Sectors	23,145	25,661	25,857	25,876	26,976	27,276	28,248	28,811	100.0	100.0
Retail Revenue (million dollars)										
Residential	527	603	608	610	665	689	740	767	42.9	40.5
Commercial	359	415	499	497	529	558	601	631	29.3	33.3
Industrial	249	294	352	369	391	409	435	496	20.3	26.2
Other	92	112	NA	NA	NA	NA	NA	NA	7.5	--
All Sectors	1,227	1,424	1,458	1,475	1,584	1,656	1,775	1,894	100.0	100.0
Average Retail Prices (cents/kWh)										
Residential	6.46	6.73	6.87	6.96	7.14	7.41	7.59	7.87	--	--
Commercial	5.45	5.62	5.81	5.84	5.98	6.19	6.39	6.68	--	--
Industrial	3.60	3.89	4.18	4.28	4.43	4.56	4.78	5.16	--	--
Other	6.27	6.37	NA	NA	NA	NA	NA	NA	--	--
All Sectors	5.30	5.55	5.64	5.70	5.87	6.07	6.28	6.58	--	--

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 9. Retail Electricity Sales Statistics, 2008

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Nebraska								
Number of Entities	NA	149	1	10	NA	NA	NA	160
Number of Retail Customers	NA	965,079	16	23,137	NA	NA	NA	988,232
Retail Sales (thousand megawatthours)	NA	28,005	165	642	NA	NA	NA	28,811
Percentage of Retail Sales	--	97.20	0.57	2.23	--	--	--	100.00
Revenue from Retail Sales (million dollars)	NA	1,826	4	65	NA	NA	NA	1,894
Percentage of Revenue	--	96.39	0.19	3.42	--	--	--	100.00
Average Retail Price (cents/kWh)	NA	6.52	2.18	10.10	NA	NA	NA	6.58

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Totals may not equal sum of components because of independent rounding. 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.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 10. Supply and Disposition of Electricity, 1998 and 2002 Through 2008
(Million Kilowatthours)

Category	1998	2002	2003	2004	2005	2006	2007	2008
Nebraska								
Supply								
Generation								
Electric Utilities	28,720	31,550	30,368	31,944	31,392	31,599	32,403	32,356
Combined Heat and Power, Electric	8	8	21	*	8	4	5	5
Electric Power Sector Generation Subtotal	28,729	31,558	30,389	31,944	31,400	31,604	32,408	32,361
Combined Heat and Power, Commercial	21	17	20	22	19	17	17	13
Combined Heat and Power, Industrial.....	48	44	46	42	46	50	18	*
Industrial and Commercial Generation Subtotal	68	61	67	65	65	66	35	13
Total Net Generation	28,797	31,618	30,456	32,009	31,465	31,670	32,443	32,374
Total International Imports	30	-	2	-	*	*	10	*
Total Supply	28,826	31,618	30,458	32,009	31,465	31,670	32,452	32,374
Disposition								
Retail Sales								
Full Service Providers	23,145	25,661	25,857	25,876	26,976	27,276	28,248	28,811
Total Electric Industry Retail Sales	23,145	25,661	25,857	25,876	26,976	27,276	28,248	28,811
Direct Use	77	71	72	72	75	73	46	18
Total International Exports	78	-	-	3	4	1	1	*
Estimated Losses	1,567	2,099	1,845^R	2,119^R	2,321	2,437	2,529	2,488
Total Disposition	24,867	27,831	27,774^R	28,069	29,377^R	29,788	30,823	31,317
Net Interstate Trade ¹	3,960	3,787	2,685^R	3,939^R	2,088^R	1,882	1,629	1,056
Net Trade Index (ratio) ²	1.16	1.14	1.10	1.14	1.07	1.06	1.05	1.03

¹ Net Interstate Trade is the difference between Total Supply and Total Disposition.

² Net Trade Index is the ratio of Total Supply to Total Disposition.

R = Revised.

* = 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 *).

- (dash) = Data not available.

Notes: Totals may not equal sum of components because of independent rounding. 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. 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.

Sources: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms. U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry 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.

Table 1. 2008 Summary Statistics

Item	Value	U.S. Rank
Nevada		
NERC Region(s).....		WECC
Primary Energy Source.....		Gas
Net Summer Capacity (megawatts)	11,297	34
Electric Utilities.....	8,741	28
Independent Power Producers & Combined Heat and Power.....	2,557	33
Net Generation (megawatthours).....	35,089,974	37
Electric Utilities.....	22,979,409	34
Independent Power Producers & Combined Heat and Power.....	12,110,565	28
Emissions (thousand metric tons)		
Sulfur Dioxide	9	44
Nitrogen Oxide	22	37
Carbon Dioxide.....	18,121	38
Sulfur Dioxide (lbs/MWh)	0.5	45
Nitrogen Oxide (lbs/MWh)	1.4	35
Carbon Dioxide (lbs/MWh).....	1,138	38
Total Retail Sales (megawatthours).....	35,192,496	33
Full Service Provider Sales (megawatthours)	33,856,531	33
Deregulated Sales (megawatthours)	1,335,965	17
Direct Use (megawatthours)	385,827	40
Average Retail Price (cents/kWh).....	9.89	17

MWh = Megawatthours.

kWh = Kilowatthours.

Sources: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 2. Ten Largest Plants by Generating Capacity, 2008

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
Nevada			
1. Mohave	Gas	Southern California Edison Co	1,580
2. Clark	Gas	Nevada Power Co	1,138
3. Chuck Lenzie Generating Station.....	Gas	Nevada Power Co	1,128
4. Tracy	Gas	Sierra Pacific Power Co	1,054
5. Hoover Dam	Hydroelectric	U S Bureau of Reclamation	1,039
6. Reid Gardner.....	Coal	Nevada Power Co	587
7. Higgins Generating Station	Gas	Nevada Power Co	570
8. Silverhawk	Gas	Nevada Power Co	560
9. North Valmy	Coal	Sierra Pacific Power Co	522
10. Apex Generating Station	Gas	Las Vegas Power Company LLC	494

MW = Megawatt.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2008
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
1. Nevada Power Co.....	Investor-Owned	21,612,520	9,041,403	4,811,449	7,751,397	8,271
2. Sierra Pacific Power Co.....	Investor-Owned	8,041,044	2,262,385	3,085,758	2,692,901	-
3. Colorado River Comm of Nevada.....	Public	1,791,258	-	980,311	810,947	-
4. Coral Power LLC.....	Other Provider	1,101,916	-	-	1,101,916	-
5. Wells Rural Electric Co.....	Cooperative	795,397	52,136	53,319	689,942	-
Total Sales, Top Five Providers		33,342,135	11,355,924	8,930,837	13,047,103	8,271
Percent of Total State Sales		95	94	96	94	100

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatts)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Electric Utilities.....	5,642	5,384	5,323	5,389	5,611	6,771	6,998	8,741	88.3	77.4
Coal.....	2,806	2,658	2,657	2,657	2,657	2,657	2,689	2,689	43.9	23.8
Petroleum.....	46	43	45	45	45	45	45	45	0.7	0.4
Natural Gas.....	1,743	1,636	1,576	1,642	1,862	3,023	3,217	4,964	27.3	43.9
Hydroelectric.....	1,046	1,048	1,045	1,045	1,047	1,047	1,048	1,043	16.4	9.2
Independent Power Producers and Combined Heat and Power	748	1,472	2,185	3,281	3,103	2,876	2,956	2,557	11.7	22.6
Coal.....	-	-	-	-	-	-	-	227	-	2.0
Natural Gas.....	516	1,293	2,007	3,137	2,917	2,688	2,688	2,018	8.1	17.9
Hydroelectric.....	4	4	6	2	-	-	-	8	0.1	0.1
Other Renewables.....	228	168	172	142	185	188	268	304	3.6	2.7
Other.....	-	7	-	-	-	-	-	-	-	-
Total Electric Industry.....	6,389	6,856	7,508	8,670	8,714	9,648	9,954	11,297	100.0	100.0
Coal.....	2,806	2,658	2,657	2,657	2,657	2,657	2,689	2,916	43.9	25.8
Petroleum.....	46	43	45	45	45	45	45	45	0.7	0.4
Natural Gas.....	2,259	2,929	3,583	4,779	4,779	5,711	5,905	6,982	35.4	61.8
Hydroelectric.....	1,050	1,052	1,051	1,047	1,047	1,047	1,048	1,051	16.4	9.3
Other Renewables.....	228	168	172	142	185	188	268	304	3.6	2.7
Other.....	-	7	-	-	-	-	-	-	-	-

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatthours)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Nevada										
Electric Utilities.....	26,552,567	25,008,568	24,634,871	24,246,391	24,112,225	19,686,302	22,376,989	22,979,409	86.7	65.5
Coal.....	17,161,341	16,413,025	17,085,959	18,257,265	18,384,261	7,253,521	7,090,911	6,884,521	56.1	19.6
Petroleum.....	50,285	25,472	16,793	95,766	20,500	17,347	11,447	9,865	0.2	*
Natural Gas.....	6,189,526	6,310,687	5,784,181	4,288,157	4,005,084	10,357,808	13,271,440	14,342,535	20.2	40.9
Hydroelectric.....	3,151,415	2,259,384	1,747,938	1,605,203	1,702,380	2,057,626	2,003,191	1,742,489	10.3	5.0
Independent Power Producers and Combined Heat and Power.....	4,060,953	7,080,367	8,560,017	13,421,044	16,101,527	12,173,720	10,292,747	12,110,565	13.3	34.5
Coal.....	-	-	-	-	-	-	-	927,832	-	2.6
Petroleum.....	1,247	-	-	-	-	-	3	4,405	*	*
Natural Gas.....	2,501,303	5,899,973	7,468,598	12,092,586	14,830,539	10,826,327	8,991,830	9,629,377	8.2	27.4
Other Gases.....	-	44,909	16,941	21,033	8,281	3,682	4,256	1,987	-	*
Hydroelectric.....	14,910	8,202	8,767	9,920	-	-	-	8,131	*	*
Other Renewables.....	1,537,094	1,127,283	1,065,711	1,297,504	1,262,707	1,343,711	1,296,658	1,538,833	5.0	4.4
Other.....	6,399	-	-	-	-	-	-	-	*	-
Total Electric Industry.....	30,613,520	32,088,935	33,194,888	37,667,435	40,213,752	31,860,022	32,669,736	35,089,974	100.0	100.0
Coal.....	17,161,341	16,413,025	17,085,959	18,257,265	18,384,261	7,253,521	7,090,911	7,812,352	56.1	22.3
Petroleum.....	51,532	25,472	16,793	95,766	20,500	17,347	11,450	14,270	0.2	*
Natural Gas.....	8,690,829	12,210,660	13,252,779	16,380,743	18,835,623	21,184,135	22,263,270	23,971,911	28.4	68.3
Other Gases.....	-	44,909	16,941	21,033	8,281	3,682	4,256	1,987	-	*
Hydroelectric.....	3,166,325	2,267,586	1,756,705	1,615,123	1,702,380	2,057,626	2,003,191	1,750,620	10.3	5.0
Other Renewables.....	1,537,094	1,127,283	1,065,711	1,297,504	1,262,707	1,343,711	1,296,658	1,538,833	5.0	4.4
Other.....	6,399	-	-	-	-	-	-	-	*	-

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1998 and 2002 Through 2008

Fuel, Quality	1998	2002	2003	2004	2005	2006	2007	2008
Nevada								
Coal (cents per million Btu)	130	134	142	136	154	173	188	W
Average heat value (Btu per pound).....	11,199	11,284	11,120	11,118	11,176	11,495	11,151	10,664
Average sulfur Content (percent)	0.47	0.53	0.50	0.54	0.53	0.54	0.46	0.44
Petroleum (cents per million Btu) ¹	380	600	601	473	990	1,270	-	W
Average heat value (Btu per gallon).....	138,845	139,110	138,548	149,914	141,760	140,610	-	138,938
Average sulfur Content (percent)	0.28	0.30	0.26	0.86	0.34	0.31	-	0.12
Natural Gas (cents per million Btu).....	230	438	511	556	723	653	605	797
Average heat value (Btu per cubic foot).....	1,034	1,034	1,040	1,036	1,033	1,040	1,044	1,039

¹ Petroleum includes petroleum liquids and petroleum coke.

Btu = British thermal unit.

W = Withheld to avoid disclosure of individual company data.

- (dash) = Data not available.

Note: Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. There may be a notable increase in fuel receipts beginning with 2008. For more information, please see the Technical Notes in the Electric Power Annual.

Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report." Federal Energy Regulatory Commission, FERC Form 423, "Monthly Cost and Quality of Fuels for Electric Plants." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 7. Electric Power Industry Emissions Estimates, 1998 and 2002 Through 2008
(Thousand Metric Tons)

Emission Type	1998	2002	2003	2004	2005	2006	2007	2008
Nevada								
Sulfur Dioxide								
Coal.....	45	45	47	49	48	8	8	8
Petroleum.....	*	*	*	*	*	*	*	*
Natural Gas.....	*	*	*	*	*	*	*	*
Other.....	-	-	-	-	-	*	*	-
Total.....	45	45	47	50	48	8	8	9
Nitrogen Oxide								
Coal.....	38	35	34	35	36	15	13	11
Petroleum.....	2	*	*	*	*	*	*	*
Natural Gas.....	7	8	8	8	8	15	15	10
Other Gases.....	-	-	-	*	*	-	-	*
Other.....	*	-	*	*	*	1	1	-
Total.....	48	43	42	43	44	31	29	22
Carbon Dioxide								
Coal.....	16,608 ^R	15,230 ^R	16,840 ^R	17,576 ^R	17,990 ^R	7,405 ^R	7,282 ^R	7,920
Petroleum.....	49 ^R	22 ^R	15	80	19	17 ^R	11	12
Natural Gas.....	4,626 ^R	5,936 ^R	6,303 ^R	7,496 ^R	8,133 ^R	9,284 ^R	9,574 ^R	10,153
Geothermal.....	35	29	27	33	32	35 ^R	32	36
Total.....	21,319 ^R	21,217 ^R	23,185 ^R	25,185 ^R	26,175 ^R	16,741 ^R	16,899 ^R	18,121

R = Revised.

* = 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 *).

- (dash) = Data not available.

Source: Calculations made by the Electric Power Division, U. S. Energy Information Administration.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1998 and 2002 Through 2008

Sector	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Nevada										
Retail Sales (thousand megawatthours)										
Residential	7,975	9,702	10,340	10,673	11,080	11,978	12,390	12,061	31.9	34.3
Commercial	5,655	7,538	8,168	8,275	8,516	8,975	9,352	9,304	22.6	26.4
Industrial	10,518	11,373	11,624	12,364	12,897	13,625	13,893	13,820	42.0	39.3
Other	889	592	NA	NA	NA	NA	NA	NA	3.6	--
Transportation.....	NA	NA	NA	NA	8	8	8	8	--	*
All Sectors	25,037	29,204	30,132	31,312	32,501	34,586	35,643	35,192	100.0	100.0
Retail Revenue (million dollars).....										
Residential	558	915	932	1,034	1,130	1,327	1,464	1,439	38.7	41.4
Commercial	368	683	718	752	808	908	944	937	25.5	26.9
Industrial	480	824	849	895	994	1,094	1,151	1,103	33.3	31.7
Other	36	39	NA	NA	NA	NA	NA	NA	2.5	--
Transportation.....	NA	NA	NA	NA	1	1	1	1	--	*
All Sectors	1,442	2,460	2,499	2,681	2,932	3,330	3,559	3,479	100.0	100.0
Average Retail Prices (cents/kWh)										
Residential	7.00	9.43	9.02	9.69	10.20	11.08	11.82	11.93	--	--
Commercial	6.50	9.06	8.79	9.08	9.48	10.12	10.09	10.07	--	--
Industrial	4.57	7.25	7.30	7.24	7.71	8.03	8.28	7.98	--	--
Other	4.02	6.54	NA	NA	NA	NA	NA	NA	--	--
Transportation.....	NA	NA	NA	NA	9.34	9.89	9.98	9.47	--	--
All Sectors	5.76	8.42	8.29	8.56	9.02	9.63	9.99	9.89	--	--

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

* = 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 *).

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 9. Retail Electricity Sales Statistics, 2008

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Nevada								
Number of Entities.....	2	8	1	8	1	2	2	24
Number of Retail Customers	1,145,490	28,844	6	36,681	1	29	NA	1,211,051
Retail Sales (thousand megawatthours).....	29,654	2,243	29	1,898	33	1,336	NA	35,192
Percentage of Retail Sales	84.26	6.37	0.08	5.39	0.09	3.80	--	100.00
Revenue from Retail Sales (million dollars)	3,130	128	*	121	1	96	3	3,479
Percentage of Revenue	89.97	3.67	0.01	3.48	0.02	2.77	0.09	100.00
Average Retail Price (cents/kWh).....	10.55	5.69	0.86	6.38	2.23	7.20	0.22	9.89

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

* = 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 *).

Notes: Totals may not equal sum of components because of independent rounding. 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.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 10. Supply and Disposition of Electricity, 1998 and 2002 Through 2008
(Million Kilowatthours)

Category	1998	2002	2003	2004	2005	2006	2007	2008
Nevada								
Supply								
Generation								
Electric Utilities	26,553	25,009	24,635	24,246	24,112	19,686	22,377	22,979
Independent Power Producers	1,749	4,653	5,324	11,022	13,955	9,546	7,624	9,872
Combined Heat and Power, Electric	2,312	2,428	3,236	2,399	2,146	2,282	2,257	1,900
Electric Power Sector Generation Subtotal	30,614	32,089	33,195	37,667	40,214	31,515	32,257	34,751
Combined Heat and Power, Industrial.....	-	-	-	-	-	345	412	339
Industrial and Commercial Generation Subtotal	-	-	-	-	-	345	412	339
Total Net Generation	30,614	32,089	33,195	37,667	40,214	31,860	32,670	35,090
Total International Imports	-	85	221	203	288	157	344	102
Total Supply	30,614	32,174	33,416	37,870	40,502	32,017	33,013	35,192
Disposition								
Retail Sales								
Full Service Providers	25,037	29,204	30,132	31,311	32,326	33,330	34,344	33,824
Energy-Only Providers	-	-	-	2	175	1,256	1,299	1,336
Facility Direct Retail Sales ¹	-	-	-	-	-	-	-	33
Total Electric Industry Retail Sales	25,037	29,204	30,132	31,312	32,501	34,586	35,643	35,192
Direct Use	248	229	232	233	587	893	1,081	386
Total International Exports	-	-	-	15	43	67	43	67
Estimated Losses	1,696	1,377	1,287	1,659^R	1,670^R	2,096	2,022	764
Total Disposition	26,980	30,811	31,651	33,219^R	34,800	37,643	38,790	36,409
Net Interstate Trade ²	3,633	1,363	1,765^R	4,652	5,702	-5,625	-5,777	-1,216
Net Trade Index (ratio) ³	1.13	1.04	1.06	1.14	1.16	0.85	0.85	0.97

¹ Facility Direct Retail Sales are electricity sales from non utility power producers which reported electricity sales to a retail customer.

² Net Interstate Trade is the difference between Total Supply and Total Disposition.

³ Net Trade Index is the ratio of Total Supply to Total Disposition.

R = Revised.

- (dash) = Data not available.

Notes: Totals may not equal sum of components because of independent rounding. 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. 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.

Sources: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms. U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry 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.

Table 1. 2008 Summary Statistics

Item	Value	U.S. Rank
New Hampshire		
NERC Region(s).....		NPCC
Primary Energy Source.....		Nuclear
Net Summer Capacity (megawatts)	4,174	43
Electric Utilities.....	1,125	41
Independent Power Producers & Combined Heat and Power.....	3,049	30
Net Generation (megawatthours).....	22,876,992	42
Electric Utilities.....	4,348,148	40
Independent Power Producers & Combined Heat and Power.....	18,528,843	17
Emissions (thousand metric tons)		
Sulfur Dioxide	34	34
Nitrogen Oxide	6	47
Carbon Dioxide.....	6,777	43
Sulfur Dioxide (lbs/MWh)	3.3	28
Nitrogen Oxide (lbs/MWh)	0.6	46
Carbon Dioxide (lbs/MWh).....	653	47
Total Retail Sales (megawatthours)	10,977,289	46
Full Service Provider Sales (megawatthours)	10,106,004	45
Deregulated Sales (megawatthours)	871,285	19
Direct Use (megawatthours)	952,126	29
Average Retail Price (cents/kWh).....	14.65	7

MWh = Megawatthours.

kWh = Kilowatthours.

Sources: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 2. Ten Largest Plants by Generating Capacity, 2008

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
New Hampshire			
1. Seabrook	Nuclear	NextEra Energy Seabrook LLC	1,245
2. Granite Ridge.....	Gas	Granite Ridge Energy LLC	661
3. NAEA Newington Power	Gas	NAEA 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.,	194
7. Schiller.....	Coal	Public Service Co of NH	158
8. Comerford.....	Hydroelectric	TransCanada Hydro Northeast Inc.,	145
9. Berlin Gorham	Hydroelectric	Great Lakes Hydro America LLC	30
10. Lempster Wind LLC.....	Other Renewables	Iberdrola Renewable Energies USA	24

MW = Megawatt.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2008
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
New Hampshire						
1. Public Service Co of NH	Investor-Owned	7,595,272	3,104,540	3,165,010	1,325,722	-
2. Unitil Energy Systems	Investor-Owned	933,735	490,307	333,066	110,362	-
3. New Hampshire Elec Coop Inc	Cooperative	744,150	446,247	240,388	57,515	-
4. Granite State Electric Co	Investor-Owned	639,471	284,404	306,541	48,526	-
5. TransCanada Power Mktg Ltd.....	Other Provider	262,672	-	-	262,672	-
Total Sales, Top Five Providers		10,175,300	4,325,498	4,045,005	1,804,797	-
Percent of Total State Sales		93	98	90	87	-

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatts)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
New Hampshire										
Electric Utilities.....	2,292	1,105	1,121	1,121	1,121	1,116	1,121	1,125	80.5	26.9
Coal.....	578	575	575	575	575	528	528	528	20.3	12.6
Petroleum.....	489	465	481	482	482	482	482	482	17.2	11.6
Nuclear.....	1,162	-	-	-	-	-	-	-	40.8	-
Hydroelectric	64	64	65	64	64	68	65	69	2.3	1.7
Other Renewables.....	-	-	-	-	-	37	46	46	-	1.1
Independent Power Producers and Combined Heat and Power	555	2,322	3,123	3,149	3,200	3,224	3,159	3,049	19.5	73.1
Petroleum.....	38	32	32	46	47	47	20	20	1.3	0.5
Natural Gas	7	549	1,354	1,354	1,354	1,354	1,341	1,205	0.2	28.9
Nuclear.....	-	1,161	1,159	1,159	1,220	1,244	1,245	1,245	-	29.8
Hydroelectric	380	449	447	454	443	443	429	431	13.3	10.3
Other Renewables.....	130	130	131	136	136	136	124	148	4.6	3.5
Total Electric Industry.....	2,847	3,427	4,244	4,270	4,321	4,340	4,280	4,174	100.0	100.0
Coal.....	578	575	575	575	575	528	528	528	20.3	12.6
Petroleum.....	527	497	513	528	529	529	503	503	18.5	12.0
Natural Gas	7	549	1,354	1,354	1,354	1,354	1,341	1,205	0.2	28.9
Nuclear.....	1,162	1,161	1,159	1,159	1,220	1,244	1,245	1,245	40.8	29.8
Hydroelectric	444	514	511	518	507	512	494	500	15.6	12.0
Other Renewables.....	130	130	131	136	136	173	169	193	4.6	4.6

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatthours)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
New Hampshire										
Electric Utilities.....	14,237,580	12,276,456	6,231,573	6,169,110	5,638,000	4,574,520	4,887,753	4,348,148	88.5	19.0
Coal.....	3,513,065	3,722,386	3,923,303	4,076,075	4,072,987	3,885,433	3,927,415	3,450,770	21.8	15.1
Petroleum.....	1,352,598	595,575	1,976,692	1,770,459	1,187,323	230,474	302,952	111,375	8.4	0.5
Natural Gas.....	9,837	95,547	87	78	1,114	61,054	14,104	5,992	0.1	*
Nuclear.....	8,387,023	7,599,861	-	-	-	-	-	-	52.1	-
Hydroelectric.....	975,057	263,087	331,491	322,498	376,576	342,231	325,226	396,042	6.1	1.7
Other Renewables.....	-	-	-	-	-	55,328	318,056	383,970	-	1.7
Independent Power Producers and Combined Heat and Power.....	1,851,273	3,676,622	15,365,534	17,706,677	18,832,013	17,489,175	18,389,418	18,528,843	11.5	81.0
Petroleum.....	101,256	54,134	67,834	189,993	169,821	208,719	81,844	24,907	0.6	0.1
Natural Gas.....	13,472	124,822	4,165,378	5,399,687	6,783,621	5,945,552	5,739,910	7,067,359	0.1	30.9
Nuclear.....	-	1,694,756	9,276,288	10,177,573	9,455,885	9,397,856	10,763,884	9,350,314	-	40.9
Hydroelectric.....	621,691	877,853	999,778	993,258	1,422,327	1,186,679	940,003	1,237,182	3.9	5.4
Other Renewables.....	1,114,854	864,954	795,896	883,251	941,897	691,052	805,216	791,014	6.9	3.5
Other.....	-	60,103	60,360	62,915	58,462	59,317	58,561	58,068	-	0.3
Total Electric Industry.....	16,088,853	15,953,078	21,597,107	23,875,787	24,470,013	22,063,695	23,277,171	22,876,992	100.0	100.0
Coal.....	3,513,065	3,722,386	3,923,303	4,076,075	4,072,987	3,885,433	3,927,415	3,450,770	21.8	15.1
Petroleum.....	1,453,854	649,709	2,044,526	1,960,452	1,357,144	439,193	384,795	136,281	9.0	0.6
Natural Gas.....	23,309	220,369	4,165,465	5,399,765	6,784,735	6,006,606	5,754,015	7,073,351	0.1	30.9
Nuclear.....	8,387,023	9,294,617	9,276,288	10,177,573	9,455,885	9,397,856	10,763,884	9,350,314	52.1	40.9
Hydroelectric.....	1,596,748	1,140,940	1,331,269	1,315,756	1,798,903	1,528,910	1,265,229	1,633,224	9.9	7.1
Other Renewables.....	1,114,854	864,954	795,896	883,251	941,897	746,380	1,123,272	1,174,984	6.9	5.1
Other.....	-	60,103	60,360	62,915	58,462	59,317	58,561	58,068	-	0.3

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1998 and 2002 Through 2008

Fuel, Quality	1998	2002	2003	2004	2005	2006	2007	2008
New Hampshire								
Coal (cents per million Btu)	161	180	170	202	244	256	290	353
Average heat value (Btu per pound).....	13,133	13,245	13,262	13,199	13,087	13,196	13,109	12,886
Average sulfur Content (percent)	1.40	1.17	1.09	1.16	1.32	1.29	1.51	1.20
Petroleum (cents per million Btu) ¹	187	371	W	W	W	782	W	1,069
Average heat value (Btu per gallon).....	151,850	152,400	152,724	152,883	154,024	155,071	152,450	152,379
Average sulfur Content (percent)	1.55	1.48	1.52	1.39	1.15	1.01	0.86	0.87
Natural Gas (cents per million Btu).....	-	388	W	W	W	W	W	W
Average heat value (Btu per cubic foot).....	-	1,051	1,047	1,045	1,044	1,043	1,056	1,049

¹ Petroleum includes petroleum liquids and petroleum coke.

Btu = British thermal unit.

W = Withheld to avoid disclosure of individual company data.

- (dash) = Data not available.

Note: Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. There may be a notable increase in fuel receipts beginning with 2008. For more information, please see the Technical Notes in the Electric Power Annual.

Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report." Federal Energy Regulatory Commission, FERC Form 423, "Monthly Cost and Quality of Fuels for Electric Plants." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 7. Electric Power Industry Emissions Estimates, 1998 and 2002 Through 2008
(Thousand Metric Tons)

Emission Type	1998	2002	2003	2004	2005	2006	2007	2008
New Hampshire								
Sulfur Dioxide								
Coal.....	36	35	30	34	37	35	36	33
Petroleum.....	16	5	21	17	9	2	3	1
Natural Gas	-	_R	*	*	*	*	*	*
Other Renewables.....	*	*	1	1	*	*	*	*
Other	_R	*	*	*	*	*	*	*
Total.....	53	41	52	52	47	37	39	34
Nitrogen Oxide								
Coal.....	11	5	5	5	6	6	4	4
Petroleum.....	3	2	4	3	2	1	1	*
Natural Gas	*	*	2	1	1	1	*	*
Other Renewables.....	4 ^R	2	2	2	2	2	2	2
Other	_R	*	*	*	*	*	*	*
Total.....	18	9	13	12	11	9	7	6
Carbon Dioxide								
Coal.....	3,586 ^R	3,701 ^R	3,872 ^R	4,041 ^R	4,104 ^R	4,163 ^R	4,173 ^R	3,747
Petroleum.....	1,494 ^R	665 ^R	1,835 ^R	1,844 ^R	1,340 ^R	437 ^R	379 ^R	181
Natural Gas	16	128	1,849 ^R	2,241 ^R	2,679 ^R	2,410 ^R	2,244 ^R	2,734
Other Renewables.....	95 ^R	-	-	-	-	-	-	-
Other	_R	105 ^R	110 ^R	113 ^R	113 ^R	114 ^R	110 ^R	115
Total.....	5,191 ^R	4,599 ^R	7,667 ^R	8,240 ^R	8,235 ^R	7,124 ^R	6,906 ^R	6,777

R = Revised.

* = 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 *).

- (dash) = Data not available.

Source: Calculations made by the Electric Power Division, U. S. Energy Information Administration.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1998 and 2002 Through 2008

Sector	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
New Hampshire										
Retail Sales (thousand megawatthours)										
Residential	3,401	4,003	4,252	4,282	4,495	4,401	4,493	4,394	36.6	40.0
Commercial	3,351	4,024	4,318	4,363	4,576	4,563	4,570	4,518	36.0	41.2
Industrial	2,425	2,222	2,403	2,328	2,174	2,131	2,173	2,065	26.1	18.8
Other	127	134	NA	NA	NA	NA	NA	NA	1.4	--
All Sectors	9,303	10,383	10,973	10,973	11,245	11,094	11,236	10,977	100.0	100.0
Retail Revenue (million dollars)										
Residential	473	476	509	535	607	646	668	689	42.7	42.9
Commercial	389	405	445	480	552	642	636	647	35.2	40.2
Industrial	228	202	234	233	249	248	267	272	20.6	16.9
Other	17	17	NA	NA	NA	NA	NA	NA	1.6	--
All Sectors	1,107	1,100	1,188	1,248	1,408	1,536	1,571	1,608	100.0	100.0
Average Retail Prices (cents/kWh)										
Residential	13.92	11.89	11.98	12.49	13.51	14.68	14.88	15.68	--	--
Commercial	11.64	10.06	10.30	10.99	12.06	14.07	13.91	14.32	--	--
Industrial	9.42	9.09	9.75	10.01	11.48	11.62	12.27	13.17	--	--
Other	13.76	12.84	NA	NA	NA	NA	NA	NA	--	--
All Sectors	11.93	10.60	10.83	11.37	12.53	13.84	13.98	14.65	--	--

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 9. Retail Electricity Sales Statistics, 2008

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
New Hampshire								
Number of Entities	3	5	NA	1	2	6	3	20
Number of Retail Customers	609,490	11,961	NA	78,237	2	863	NA	700,553
Retail Sales (thousand megawatthours)	9,168	188	NA	744	6	871	NA	10,977
Percentage of Retail Sales	83.52	1.71	--	6.78	0.05	7.94	--	100.00
Revenue from Retail Sales (million dollars)	1,312	22	NA	139	2	103	30	1,608
Percentage of Revenue	81.61	1.35	--	8.63	0.12	6.42	1.87	100.00
Average Retail Price (cents/kWh)	14.31	11.53	NA	18.64	34.45	11.86	3.46	14.65

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Totals may not equal sum of components because of independent rounding. 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.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 10. Supply and Disposition of Electricity, 1998 and 2002 Through 2008
(Million Kilowatthours)

Category	1998	2002	2003	2004	2005	2006	2007	2008
New Hampshire								
Supply								
Generation								
Electric Utilities	14,238	12,276	6,232	6,169	5,638	4,575	4,888	4,348
Independent Power Producers	1,360	3,385	15,014	17,315	18,438	17,297	18,237	18,471
Combined Heat and Power, Electric	92	20	-	-	-	-	-	-
Electric Power Sector Generation Subtotal	15,690	15,681	21,245	23,484	24,076	21,872	23,125	22,819
Combined Heat and Power, Commercial	26	30	34	33	30	25	28	18
Combined Heat and Power, Industrial.....	372	242	318	358	364	167	124	40
Industrial and Commercial Generation Subtotal	398	272	352	392	394	192	152	58
Total Net Generation	16,089	15,953	21,597	23,876	24,470	22,064	23,277	22,877
Total International Imports	1,766	326	200	452	575	583	794	939
Total Supply	17,854	16,279	21,797	24,328	25,045	22,647	24,071	23,816
Disposition								
Retail Sales								
Full Service Providers	9,254	10,213	10,668	10,848	11,111	10,045	9,820	10,101
Energy-Only Providers.....	49	170	148	110	123	1,046	1,404	871
Facility Direct Retail Sales ¹	-	-	156	15	11	4	12	6
Total Electric Industry Retail Sales	9,303	10,383	10,973	10,973	11,245	11,094	11,236	10,977
Direct Use	459	450	456	456	216	125	790	952
Total International Exports	6	-	53	28	84	106	174	110
Estimated Losses	630	725	391	618	668^R	695	698	636
Total Disposition	10,399	11,559	11,873	12,076^R	12,213	12,020	12,898	12,676
Net Interstate Trade ²	7,456	4,720	9,925	12,252^R	12,833	10,627	11,173	11,140
Net Trade Index (ratio) ³	1.72	1.41	1.84	2.01	2.05	1.88	1.87	1.88

¹ Facility Direct Retail Sales are electricity sales from non utility power producers which reported electricity sales to a retail customer.

² Net Interstate Trade is the difference between Total Supply and Total Disposition.

³ Net Trade Index is the ratio of Total Supply to Total Disposition.

R = Revised.

- (dash) = Data not available.

Notes: Totals may not equal sum of components because of independent rounding. 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. 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.

Sources: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms. U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry 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.

Table 1. 2008 Summary Statistics

Item	Value	U.S. Rank
New Jersey		
NERC Region(s).....		RFC
Primary Energy Source.....		Nuclear
Net Summer Capacity (megawatts)	18,508	22
Electric Utilities.....	477	43
Independent Power Producers & Combined Heat and Power.....	18,031	6
Net Generation (megawatthours).....	63,674,789	23
Electric Utilities.....	-206,308	50
Independent Power Producers & Combined Heat and Power.....	63,881,097	6
Emissions (thousand metric tons)		
Sulfur Dioxide	35	33
Nitrogen Oxide.....	20	38
Carbon Dioxide.....	20,072	37
Sulfur Dioxide (lbs/MWh)	1.2	39
Nitrogen Oxide (lbs/MWh)	0.7	45
Carbon Dioxide (lbs/MWh).....	695	43
Total Retail Sales (megawatthours).....	80,519,543	19
Full Service Provider Sales (megawatthours)	63,439,171	23
Deregulated Sales (megawatthours)	17,080,372	6
Direct Use (megawatthours)	4,822,813	8
Average Retail Price (cents/kWh).....	14.44	8

MWh = Megawatthours.

kWh = Kilowatthours.

Sources: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 2. Ten Largest Plants by Generating Capacity, 2008

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
New Jersey			
1. PSEG Salem Generating Station	Nuclear	PSEG Nuclear LLC	2,370
2. PSEG Linden Generating Station.....	Gas	PSEG Fossil LLC	1,543
3. Bergen Generating Station	Gas	PSEG Fossil LLC	1,246
4. PSEG Hope Creek Generating Station	Nuclear	PSEG Nuclear LLC	1,161
5. PSEG Hudson Generating Station.....	Coal	PSEG Fossil LLC	923
6. Linden Cogen Plant	Gas	Cogen Technologies Linden Vent	900
7. PSEG Mercer Generating Station.....	Coal	PSEG Fossil LLC	767
8. AES Red Oak LLC	Gas	AES Red Oak LLC	766
9. PSEG Essex Generating Station.....	Gas	PSEG Fossil LLC	617
10. Oyster Creek.....	Nuclear	Exelon Nuclear	615

MW = Megawatt.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2008
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
1. Public Service Elec & Gas Co.....	Investor-Owned	33,715,334	13,617,565	18,224,422	1,816,048	57,299
2. Jersey Central Power & Lt Co.....	Investor-Owned	17,641,154	9,667,345	7,332,193	641,616	-
3. Atlantic City Electric Co.....	Investor-Owned	7,919,155	4,417,607	3,216,186	285,362	-
4. Hess Retail Natural Gas and Elec. Acctg.....	Other Provider	3,291,182	-	1,579,767	1,711,415	-
5. Constellation NewEnergy, Inc.....	Other Provider	2,928,185	-	2,687,437	-	240,748
Total Sales, Top Five Providers.....		65,495,010	27,702,517	33,040,005	4,454,441	298,047
Percent of Total State Sales.....		81	95	81	42	99

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatts)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Electric Utilities.....	13,390	1,244	1,244	1,005	1,005	1,005	558	477	80.6	2.6
Coal.....	1,658	387	387	307	307	307	23	23	10.0	0.1
Petroleum.....	3,573	286	286	232	232	232	69	54	21.5	0.3
Natural Gas.....	3,897	171	171	66	66	66	66	-	23.4	-
Nuclear.....	3,862	-	-	-	-	-	-	-	23.2	-
Pumped Storage.....	400	400	400	400	400	400	400	400	2.4	2.2
Independent Power Producers and Combined Heat and Power.....	3,232	17,140	17,403	17,159	16,531	17,966	17,794	18,031	19.4	97.4
Coal.....	483	1,737	1,737	1,817	1,770	1,817	2,031	2,031	2.9	11.0
Petroleum.....	24	2,247	2,921	2,582	1,550	1,578	1,276	1,460	0.1	7.9
Natural Gas.....	2,500	9,066	8,602	8,545	8,992	10,319	10,232	10,159	15.0	54.9
Other Gases.....	22	21	21	21	21	44	44	44	0.1	0.2
Nuclear.....	-	3,875	3,908	3,972	3,984	3,984	3,984	4,108	-	22.2
Hydroelectric.....	13	13	14	12	3	5	4	4	0.1	*
Other Renewables.....	187	181	200	200	200	208	211	215	1.1	1.2
Other.....	4	-	-	11	11	11	11	11	*	0.1
Total Electric Industry.....	16,622	18,384	18,647	18,164	17,536	18,971	18,352	18,508	100.0	100.0
Coal.....	2,141	2,124	2,124	2,124	2,077	2,124	2,054	2,054	12.9	11.1
Petroleum.....	3,597	2,533	3,207	2,814	1,782	1,810	1,345	1,514	21.6	8.2
Natural Gas.....	6,397	9,237	8,773	8,611	9,058	10,385	10,298	10,159	38.5	54.9
Other Gases.....	22	21	21	21	21	44	44	44	0.1	0.2
Nuclear.....	3,862	3,875	3,908	3,972	3,984	3,984	3,984	4,108	23.2	22.2
Hydroelectric.....	13	13	14	12	3	5	4	4	0.1	*
Other Renewables.....	187	181	200	200	200	208	211	215	1.1	1.2
Pumped Storage.....	400	400	400	400	400	400	400	400	2.4	2.2
Other.....	4	-	-	11	11	11	11	11	*	0.1

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatthours)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
New Jersey										
Electric Utilities.....	35,911,086	1,569,056	1,910,115	1,648,908	1,248,594	1,042,511	-191,300	-206,308	66.7	-0.3
Coal.....	5,586,357	1,416,711	1,792,734	1,800,845	1,376,852	1,213,235	51,331	39,614	10.4	0.1
Petroleum.....	484,998	202,514	209,017	98,826	122,098	98,605	8,841	13,938	0.9	*
Natural Gas.....	2,853,825	95,631	28,246	36,476	32,351	29,272	17,462	14,984	5.3	*
Nuclear.....	27,132,139	-	-	-	-	-	-	-	50.4	-
Pumped Storage.....	-146,233	-145,800	-119,882	-287,239	-282,707	-298,601	-268,934	-274,845	-0.3	-0.4
Independent Power Producers and Combined Heat and Power.....	17,946,547	60,000,330	55,489,236	54,233,434	59,300,989	59,657,628	62,862,545	63,881,097	33.3	100.3
Coal.....	2,058,869	8,188,343	7,996,829	8,521,639	10,248,567	9,648,690	10,159,339	8,988,877	3.8	14.1
Petroleum.....	244,875	528,119	1,332,535	1,326,027	818,365	170,914	443,931	311,374	0.5	0.5
Natural Gas.....	13,627,001	18,973,727	14,747,331	15,925,719	15,333,814	15,639,102	18,734,869	20,736,770	25.3	32.6
Other Gases.....	659,128	90,483	255,374	38,779	64,932	110,265	160,549	158,826	1.2	0.2
Nuclear.....	-	30,865,675	29,709,201	27,081,566	31,391,685	32,567,885	32,010,376	32,194,798	-	50.6
Hydroelectric.....	20,670	12,030	38,891	37,503	31,113	35,436	20,909	25,773	*	*
Other Renewables.....	1,310,817	847,199	906,771	805,832	874,905	916,783	843,578	905,290	2.4	1.4
Other.....	25,187	494,755	502,304	496,369	537,609	568,551	488,994	559,390	*	0.9
Total Electric Industry.....	53,857,633	61,569,386	57,399,351	55,882,342	60,549,583	60,700,139	62,671,245	63,674,789	100.0	100.0
Coal.....	7,645,226	9,605,054	9,789,563	10,322,484	11,625,419	10,861,925	10,210,670	9,028,491	14.2	14.2
Petroleum.....	729,873	730,633	1,541,552	1,424,853	940,463	269,519	452,771	325,312	1.4	0.5
Natural Gas.....	16,480,826	19,069,358	14,775,577	15,962,195	15,366,165	15,668,374	18,752,332	20,751,755	30.6	32.6
Other Gases.....	659,128	90,483	255,374	38,779	64,932	110,265	160,549	158,826	1.2	0.2
Nuclear.....	27,132,139	30,865,675	29,709,201	27,081,566	31,391,685	32,567,885	32,010,376	32,194,798	50.4	50.6
Hydroelectric.....	20,670	12,030	38,891	37,503	31,113	35,436	20,909	25,773	*	*
Other Renewables.....	1,310,817	847,199	906,771	805,832	874,905	916,783	843,578	905,290	2.4	1.4
Pumped Storage.....	-146,233	-145,800	-119,882	-287,239	-282,707	-298,601	-268,934	-274,845	-0.3	-0.4
Other.....	25,187	494,755	502,304	496,369	537,609	568,551	488,994	559,390	*	0.9

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1998 and 2002 Through 2008

Fuel, Quality	1998	2002	2003	2004	2005	2006	2007	2008
New Jersey								
Coal (cents per million Btu)	159	187	180	205	218	273	289	333
Average heat value (Btu per pound).....	13,113	13,137	13,056	12,868	12,644	12,770	11,890	12,073
Average sulfur Content (percent)	1.13	1.23	1.11	1.58	1.14	1.17	0.88	1.03
Petroleum (cents per million Btu) ¹	242	468	604	602	985	970	1,147	1,547
Average heat value (Btu per gallon).....	148,655	143,162	139,250	135,095	134,802	141,505	136,271	138,217
Average sulfur Content (percent)	0.35	0.38	0.16	0.14	0.08	0.19	0.18	0.21
Natural Gas (cents per million Btu).....	262	404	620	696	963	789	789	1,041
Average heat value (Btu per cubic foot).....	1,045	1,035	1,036	1,031	1,024	1,024	1,034	1,032

¹ Petroleum includes petroleum liquids and petroleum coke.
Btu = British thermal unit.

Note: Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. There may be a notable increase in fuel receipts beginning with 2008. For more information, please see the Technical Notes in the Electric Power Annual.

Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report." Federal Energy Regulatory Commission, FERC Form 423, "Monthly Cost and Quality of Fuels for Electric Plants." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 7. Electric Power Industry Emissions Estimates, 1998 and 2002 Through 2008
(Thousand Metric Tons)

Emission Type	1998	2002	2003	2004	2005	2006	2007	2008
New Jersey								
Sulfur Dioxide								
Coal.....	56	44	46	47	63	55	45	35
Petroleum.....	5	2	3	2	2	1	1	*
Natural Gas	*	*	*	*	*	*	*	*
Other Gases.....	*	*	*	*	*	*	*	*
Other Renewables.....	2 ^R	*	*	*	*	*	*	*
Other	- ^R	*	*	*	*	*	*	-
Total	62	46	49	49	65	56	46	35
Nitrogen Oxide								
Coal.....	29	24	21	20	22	16	12	9
Petroleum.....	2	1	2	2	2	1	1	*
Natural Gas	23	10	6	7	6	6	5	5
Other Gases.....	1	*	*	*	*	*	*	*
Other Renewables.....	6 ^R	3	3	3	3	3	3	5
Other	*	1	2	1	1	1	1	-
Total	61	39	35	34	35	28	21	20
Carbon Dioxide								
Coal.....	7,997 ^R	9,742 ^R	9,925 ^R	10,469 ^R	11,653 ^R	10,799 ^R	10,468 ^R	9,172
Petroleum.....	778 ^R	822 ^R	1,504 ^R	1,367 ^R	1,007 ^R	414 ^R	413 ^R	295
Natural Gas	9,277 ^R	10,689 ^R	8,219 ^R	8,934 ^R	7,920 ^R	8,080 ^R	9,141 ^R	9,856
Other Renewables.....	875 ^R	-	-	-	-	-	-	-
Other	- ^R	887 ^R	720 ^R	704 ^R	696 ^R	729 ^R	725 ^R	749
Total	18,927 ^R	22,140 ^R	20,368 ^R	21,475 ^R	21,276 ^R	20,021 ^R	20,747 ^R	20,072

R = Revised.

* = 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 *).

- (dash) = Data not available.

Source: Calculations made by the Electric Power Division, U. S. Energy Information Administration.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1998 and 2002 Through 2008

Sector	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
New Jersey										
Retail Sales (thousand megawatthours)										
Residential	23,191	27,171	27,367	28,020	29,973	28,622	29,752	29,111	34.0	36.2
Commercial	31,127	35,429	36,616	38,074	39,762	39,437	40,876	40,570	45.7	50.4
Industrial	13,339	11,476	12,215	11,210	11,862	11,331	11,013	10,537	19.6	13.1
Other	504	526	NA	NA	NA	NA	NA	NA	0.7	--
Transportation.....	NA	NA	184	290	299	291	293	302	--	0.4
All Sectors	68,162	74,603	76,383	77,593	81,897	79,681	81,934	80,520	100.0	100.0
Retail Revenue (million dollars).....										
Residential	2,642	2,820	2,921	3,148	3,518	3,676	4,207	4,560	38.1	39.2
Commercial	3,141	3,155	3,335	3,793	4,218	4,583	5,310	5,876	45.3	50.5
Industrial	1,059	886	976	1,012	1,158	1,180	1,110	1,145	15.3	9.8
Other	90	78	NA	NA	NA	NA	NA	NA	1.3	--
Transportation.....	NA	NA	13	32	23	28	33	48	--	0.4
All Sectors	6,932	6,939	7,245	7,984	8,917	9,467	10,660	11,629	100.0	100.0
Average Retail Prices (cents/kWh)										
Residential	11.39	10.38	10.67	11.23	11.74	12.84	14.14	15.66	--	--
Commercial	10.09	8.90	9.11	9.96	10.61	11.62	12.99	14.48	--	--
Industrial	7.94	7.72	7.99	9.03	9.76	10.42	10.08	10.86	--	--
Other	17.92	14.81	NA	NA	NA	NA	NA	NA	--	--
Transportation.....	NA	NA	7.15	10.94	7.65	9.70	11.14	15.98	--	--
All Sectors	10.17	9.30	9.48	10.29	10.89	11.88	13.01	14.44	--	--

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 9. Retail Electricity Sales Statistics, 2008

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Number of Entities.....	4	9	NA	1	5	17	4	40
Number of Retail Customers	3,814,738	63,467	NA	11,679	6	2,654	NA	3,892,544
Retail Sales (thousand megawatthours).....	60,654	1,203	NA	152	1,430	17,080	NA	80,520
Percentage of Retail Sales	75.33	1.49	--	0.19	1.78	21.21	--	100.00
Revenue from Retail Sales (million dollars)	8,967	179	NA	17	125	1,774	567	11,629
Percentage of Revenue	77.12	1.54	--	0.15	1.07	15.25	4.88	100.00
Average Retail Price (cents/kWh).....	14.77	14.85	NA	11.16	8.72	10.38	3.32	14.44

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Totals may not equal sum of components because of independent rounding. 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.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 10. Supply and Disposition of Electricity, 1998 and 2002 Through 2008
(Million Kilowatthours)

Category	1998	2002	2003	2004	2005	2006	2007	2008
New Jersey								
Supply								
Generation								
Electric Utilities	35,911	1,569	1,910	1,649	1,249	1,043	-191	-206
Independent Power Producers	1,138	43,924	41,228	42,169	46,809	48,723	51,439	52,292
Combined Heat and Power, Electric	13,598	13,693	12,777	10,705	11,365	9,999	10,653	10,740
Electric Power Sector Generation Subtotal	50,647	59,186	55,916	54,523	59,422	59,765	61,901	62,825
Combined Heat and Power, Commercial	158	119	133	106	70	115	81	88
Combined Heat and Power, Industrial	3,052	2,265	1,351	1,254	1,057	820	690	762
Industrial and Commercial Generation Subtotal	3,211	2,384	1,484	1,359	1,128	935	771	849
Total Net Generation	53,858	61,569	57,399	55,882	60,550	60,700	62,671	63,675
Total Supply	53,858	61,569	57,399	55,882	60,550	60,700	62,671	63,675
Disposition								
Retail Sales								
Full Service Providers	68,162	73,368	68,558	58,768	64,160	62,988	64,479	62,009
Energy-Only Providers	-	1,235	6,714	18,574	16,553	15,568	16,176	17,080
Facility Direct Retail Sales ¹	-	-	1,110	252	1,184	1,125	1,279	1,430
Total Electric Industry Retail Sales	68,162	74,603	76,383	77,593	81,897	79,681	81,934	80,520
Direct Use	2,369	2,374	2,404	2,407	2,643	2,210	3,589	4,823
Total International Exports	-	-	-	*	-	-	-	-
Estimated Losses	4,616	5,686	5,886^R	5,722^R	6,506^R	6,080	5,906	4,480
Total Disposition	75,146	82,663	84,673^R	85,723^R	91,046^R	87,971	91,429	89,823
Net Interstate Trade ²	-21,288	-21,093	-27,273^R	-29,841^R	-30,496^R	-27,271	-28,758	-26,148
Net Trade Index (ratio) ³	0.72	0.74	0.68	0.65	0.67	0.69	0.69	0.71

¹ Facility Direct Retail Sales are electricity sales from non utility power producers which reported electricity sales to a retail customer.

² Net Interstate Trade is the difference between Total Supply and Total Disposition.

³ Net Trade Index is the ratio of Total Supply to Total Disposition.

R = Revised.

* = 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 *).

- (dash) = Data not available.

Notes: Totals may not equal sum of components because of independent rounding. 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. 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.

Sources: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms. U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry 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.

Table 1. 2008 Summary Statistics

Item	Value	U.S. Rank
New Mexico		
NERC Region(s).....		SPP/WECC
Primary Energy Source.....		Coal
Net Summer Capacity (megawatts)	7,950	35
Electric Utilities.....	6,324	33
Independent Power Producers & Combined Heat and Power.....	1,626	38
Net Generation (megawatthours).....	37,009,837	36
Electric Utilities.....	33,844,547	30
Independent Power Producers & Combined Heat and Power.....	3,165,290	39
Emissions (thousand metric tons)		
Sulfur Dioxide	20	40
Nitrogen Oxide	64	23
Carbon Dioxide.....	30,664	30
Sulfur Dioxide (lbs/MWh)	1.2	40
Nitrogen Oxide (lbs/MWh)	3.8	6
Carbon Dioxide (lbs/MWh).....	1,827	12
Total Retail Sales (megawatthours)	22,037,928	39
Full Service Provider Sales (megawatthours)	22,037,928	38
Direct Use (megawatthours)	272,224	45
Average Retail Price (cents/kWh).....	8.35	29

MWh = Megawatthours.

kWh = Kilowatthours.

Sources: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 2. Ten Largest Plants by Generating Capacity, 2008

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. Hobbs Generating Station.....	Gas	CAMS NM LLC	602
4. Luna Energy Facility	Gas	Public Service Co of NM	559
5. Cunningham.....	Gas	Southwestern Public Service Co	485
6. Escalante	Coal	Tri-State G & T Assn, Inc	247
7. Rio Grande.....	Gas	El Paso Electric Co	236
8. Afton Generating Station.....	Gas	Public Service Co of NM	236
9. New Mexico Wind Energy Center	Other Renewables	FPL Energy New Mexico Wind LLC	204
10. Maddox.....	Gas	Southwestern Public Service Co	179

MW = Megawatt.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2008
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
New Mexico						
1. Public Service Co of NM	Investor-Owned	9,162,355	3,214,333	4,290,442	1,657,580	-
2. Southwestern Public Service Co	Investor-Owned	4,138,056	978,810	1,448,379	1,710,867	-
3. El Paso Electric Co	Investor-Owned	1,598,578	589,696	911,857	97,025	-
4. City of Farmington	Public	1,197,783	264,109	430,537	503,137	-
5. Central Valley Elec Coop, Inc	Cooperative	740,110	60,531	89,920	589,659	-
Total Sales, Top Five Providers		16,836,882	5,107,479	7,171,135	4,558,268	-
Percent of Total State Sales		76	80	81	67	-

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatts)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
New Mexico										
Electric Utilities.....	5,294	5,463	5,398	5,393	5,692	6,223	6,324	6,324	95.7	79.6
Coal.....	3,913	3,942	3,942	3,937	3,957	3,957	3,957	3,957	70.7	49.8
Petroleum.....	15	15	35	35	35	26	26	26	0.3	0.3
Natural Gas.....	1,285	1,425	1,339	1,339	1,619	2,158	2,259	2,259	23.2	28.4
Hydroelectric	81	82	82	82	82	82	82	82	1.5	1.0
Independent Power Producers and Combined Heat and Power	237	473	891	937	788	880	878	1,626	4.3	20.4
Petroleum.....	66	10	10	10	2	2	2	2	1.2	*
Natural Gas.....	169	457	670	656	375	377	375	1,121	3.1	14.1
Other Renewables.....	2	6	210	270	410	500	500	502	*	6.3
Total Electric Industry.....	5,531	5,936	6,288	6,329	6,480	7,102	7,202	7,950	100.0	100.0
Coal.....	3,913	3,942	3,942	3,937	3,957	3,957	3,957	3,957	70.7	49.8
Petroleum.....	81	25	45	45	37	28	28	28	1.5	0.4
Natural Gas.....	1,454	1,881	2,009	1,995	1,994	2,535	2,634	3,381	26.3	42.5
Hydroelectric	81	82	82	82	82	82	82	82	1.5	1.0
Other Renewables.....	2	6	210	270	410	500	500	502	*	6.3

* = 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 *).

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatthours)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
New Mexico										
Electric Utilities.....	31,428,332	29,926,241	31,770,151	32,242,728	33,561,875	35,411,074	34,033,374	33,844,547	97.2	91.4
Coal.....	27,537,426	26,902,880	28,812,844	29,263,899	29,947,248	29,859,008	27,603,647	27,014,233	85.2	73.0
Petroleum.....	23,020	30,710	47,860	30,321	32,528	40,634	42,969	52,012	0.1	0.1
Natural Gas.....	3,631,474	2,728,060	2,738,748	2,809,561	3,417,106	5,313,221	6,118,780	6,466,013	11.2	17.5
Hydroelectric.....	236,412	264,591	170,699	138,947	164,993	198,211	267,978	312,288	0.7	0.8
Independent Power Producers and Combined Heat and Power.....	895,737	735,466	965,502	697,633	1,573,767	1,854,551	1,951,959	3,165,290	2.8	8.6
Petroleum.....	4,456	2,379	2,809	1,055	4,381	852	1,502	576	*	*
Natural Gas.....	882,075	713,679	779,958	183,113	770,109	576,378	541,224	1,499,993	2.7	4.1
Other Renewables.....	9,206	19,408	182,735	513,465	799,277	1,277,321	1,409,233	1,661,672	*	4.5
Other.....	-	-	-	-	-	-	-	3,049	-	*
Total Electric Industry.....	32,324,069	30,661,707	32,735,653	32,940,361	35,135,642	37,265,625	35,985,333	37,009,837	100.0	100.0
Coal.....	27,537,426	26,902,880	28,812,844	29,263,899	29,947,248	29,859,008	27,603,647	27,014,233	85.2	73.0
Petroleum.....	27,476	33,089	50,669	31,376	36,909	41,486	44,471	52,589	0.1	0.1
Natural Gas.....	4,513,549	3,441,739	3,518,706	2,992,674	4,187,215	5,889,599	6,660,004	7,966,007	14.0	21.5
Hydroelectric.....	236,412	264,591	170,699	138,947	164,993	198,211	267,978	312,288	0.7	0.8
Other Renewables.....	9,206	19,408	182,735	513,465	799,277	1,277,321	1,409,233	1,661,672	*	4.5
Other.....	-	-	-	-	-	-	-	3,049	-	*

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1998 and 2002 Through 2008

Fuel, Quality	1998	2002	2003	2004	2005	2006	2007	2008
New Mexico								
Coal (cents per million Btu)	131	153	143	148	151	156	179	199
Average heat value (Btu per pound).....	9,082	9,444	9,164	9,225	9,173	9,282	9,198	9,173
Average sulfur Content (percent)	0.80	0.73	0.73	0.72	0.79	0.76	0.77	0.75
Petroleum (cents per million Btu) ¹	439	614	W	W	W	W	W	W
Average heat value (Btu per gallon).....	136,000	136,000	136,048	136,007	136,252	136,024	136,026	134,186
Average sulfur Content (percent)	0.93	0.13	-	-	0.01	-	0.01	0.04
Natural Gas (cents per million Btu).....	220	304	W	W	W	W	W	802
Average heat value (Btu per cubic foot).....	1,010	997	996	1,000	1,002	997	1,005	1,022

¹ Petroleum includes petroleum liquids and petroleum coke.

Btu = British thermal unit.

W = Withheld to avoid disclosure of individual company data.

- (dash) = Data not available.

Note: Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. There may be a notable increase in fuel receipts beginning with 2008. For more information, please see the Technical Notes in the Electric Power Annual.

Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report." Federal Energy Regulatory Commission, FERC Form 423, "Monthly Cost and Quality of Fuels for Electric Plants." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 7. Electric Power Industry Emissions Estimates, 1998 and 2002 Through 2008
(Thousand Metric Tons)

Emission Type	1998	2002	2003	2004	2005	2006	2007	2008
New Mexico								
Sulfur Dioxide								
Coal.....	74	46	46	35	28	28	24	20
Petroleum.....	*	*	*	*	*R	*	*	*
Natural Gas.....	*	*	*	*	*	*	*	*
Total.....	74	46	46	35	28	28	24	20
Nitrogen Oxide								
Coal.....	73	68	67	65	66	68	62	60
Petroleum.....	*	*	*	*	*	*	*	*
Natural Gas.....	5	4	4	3	4	4	3	4
Other Renewables.....	*	*	-	-	-	*	*	1
Total.....	79	72	71	68	69	72	66	64
Carbon Dioxide								
Coal.....	27,846 ^R	27,228 ^R	29,286 ^R	29,652 ^R	30,477 ^R	30,315 ^R	28,376 ^R	26,788
Petroleum.....	23	24	38 ^R	23	27	30	34	42
Natural Gas.....	2,882 ^R	2,183 ^R	2,158 ^R	1,900 ^R	2,553 ^R	3,024 ^R	3,343 ^R	3,834
Total.....	30,750 ^R	29,435 ^R	31,481 ^R	31,576 ^R	33,058 ^R	33,369 ^R	31,753 ^R	30,664

R = Revised.

* = 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 *).

- (dash) = Data not available.

Source: Calculations made by the Electric Power Division, U. S. Energy Information Administration.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1998 and 2002 Through 2008

Sector	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
New Mexico										
Retail Sales (thousand megawatthours)										
Residential	4,642	5,238	5,418	5,635	5,865	6,009	6,387	6,379	25.5	28.9
Commercial	5,703	7,000	8,063	8,239	8,411	8,604	8,932	8,828	31.4	40.1
Industrial	6,186	5,316	5,849	5,972	6,363	6,822	6,948	6,831	34.0	31.0
Other	1,642	1,653	NA	NA	NA	NA	NA	NA	9.0	--
All Sectors	18,173	19,207	19,330	19,846	20,639	21,435	22,267	22,038	100.0	100.0
Retail Revenue (million dollars)										
Residential	411	445	471	488	536	544	582	638	33.3	34.7
Commercial	445	505	593	609	657	655	685	765	36.1	41.6
Industrial	277	238	290	312	357	380	389	436	22.5	23.7
Other	100	103	NA	NA	NA	NA	NA	NA	8.1	--
All Sectors	1,233	1,292	1,354	1,409	1,549	1,579	1,656	1,840	100.0	100.0
Average Retail Prices (cents/kWh)										
Residential	8.85	8.50	8.69	8.67	9.13	9.06	9.12	10.01	--	--
Commercial	7.80	7.22	7.36	7.39	7.81	7.61	7.66	8.67	--	--
Industrial	4.47	4.48	4.95	5.22	5.61	5.57	5.60	6.38	--	--
Other	6.11	6.23	NA	NA	NA	NA	NA	NA	--	--
All Sectors	6.78	6.73	7.00	7.10	7.51	7.37	7.44	8.35	--	--

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 9. Retail Electricity Sales Statistics, 2008

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
New Mexico								
Number of Entities	3	8	1	20	NA	NA	NA	32
Number of Retail Customers	694,670	83,559	29	203,309	NA	NA	NA	981,567
Retail Sales (thousand megawatthours)	14,899	2,226	205	4,708	NA	NA	NA	22,038
Percentage of Retail Sales	67.61	10.10	0.93	21.36	--	--	--	100.00
Revenue from Retail Sales (million dollars)	1,236	169	5	430	NA	NA	NA	1,840
Percentage of Revenue	67.17	9.17	0.30	23.36	--	--	--	100.00
Average Retail Price (cents/kWh)	8.30	7.58	2.68	9.13	NA	NA	NA	8.35

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Totals may not equal sum of components because of independent rounding. 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.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 10. Supply and Disposition of Electricity, 1998 and 2002 Through 2008
(Million Kilowatthours)

Category	1998	2002	2003	2004	2005	2006	2007	2008
New Mexico								
Supply								
Generation								
Electric Utilities	31,428	29,926	31,770	32,243	33,562	35,411	34,033	33,845
Independent Power Producers	-	40	273	589	805	1,291	1,404	2,420
Combined Heat and Power, Electric	520	496	504	-	479	479	472	464
Electric Power Sector Generation Subtotal	31,948	30,462	32,548	32,831	34,846	37,181	35,909	36,729
Combined Heat and Power, Commercial	56	56	55	42	51	49	58	51
Combined Heat and Power, Industrial.....	320	143	133	67	239	35	18	230
Industrial and Commercial Generation Subtotal	376	199	188	109	290	85	76	281
Total Net Generation	32,324	30,662	32,736	32,940	35,136	37,266	35,985	37,010
Total International Imports	-	15	23	79	82	30	37	39
Total Supply	32,324	30,677	32,759	33,019	35,218	37,296	36,022	37,049
Disposition								
Retail Sales								
Full Service Providers	18,173	19,207	19,330	19,846	20,639	21,435	22,267	22,038
Total Electric Industry Retail Sales	18,173	19,207	19,330	19,846	20,639	21,435	22,267	22,038
Direct Use	412	440	445	446	78	93	83	272
Total International Exports	-	-	-	22	98	65	62	118
Estimated Losses	1,231	1,524	845^R	1,302	1,768	1,853	1,537	1,591
Total Disposition	19,816	21,171	20,621^R	21,616	22,583^R	23,446	23,948	24,019
Net Interstate Trade ¹	12,509	9,506	12,137	11,403	12,635^R	13,850	12,074	13,030
Net Trade Index (ratio) ²	1.63	1.45	1.59	1.53	1.56	1.59	1.50	1.54

¹ Net Interstate Trade is the difference between Total Supply and Total Disposition.

² Net Trade Index is the ratio of Total Supply to Total Disposition.

R = Revised.

- (dash) = Data not available.

Notes: Totals may not equal sum of components because of independent rounding. 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. 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.

Sources: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms. U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry 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.

Table 1. 2008 Summary Statistics

Item	Value	U.S. Rank
New York		
NERC Region(s).....		NPCC
Primary Energy Source.....		Gas
Net Summer Capacity (megawatts)	38,720	6
Electric Utilities.....	11,784	20
Independent Power Producers & Combined Heat and Power.....	26,936	5
Net Generation (megawatthours).....	140,322,100	8
Electric Utilities.....	38,170,043	29
Independent Power Producers & Combined Heat and Power.....	102,152,057	5
Emissions (thousand metric tons)		
Sulfur Dioxide	83	25
Nitrogen Oxide.....	51	28
Carbon Dioxide.....	47,092	20
Sulfur Dioxide (lbs/MWh)	1.3	38
Nitrogen Oxide (lbs/MWh)	0.8	44
Carbon Dioxide (lbs/MWh).....	740	42
Total Retail Sales (megawatthours).....	144,052,936	7
Full Service Provider Sales (megawatthours)	81,932,467	16
Deregulated Sales (megawatthours)	62,120,469	2
Direct Use (megawatthours)	2,544,338	18
Average Retail Price (cents/kWh).....	16.57	3

MWh = Megawatthours.

kWh = Kilowatthours.

Sources: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 2. Ten Largest Plants by Generating Capacity, 2008

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	TC Ravenswood LLC	2,317
3. Nine Mile Point Nuclear Station	Nuclear	Nine Mile Point Nuclear Sta LLC	1,764
4. Oswego Harbor Power.....	Petroleum	NRG Oswego Harbor Power Operations Inc	1,671
5. Northport	Gas	KeySpan Generation LLC	1,592
6. Astoria Generating Station	Gas	U S Power Generating Company LLC	1,296
7. Roseton Generating Station.....	Petroleum	Dynegy Northeast Gen Inc	1,219
8. Bowline Point	Gas	Mirant New York Inc	1,139
9. Athens Generating Plant.....	Gas	New Athens Generating Company LLC	1,138
10. Blenheim Gilboa.....	Pumped Storage	New York Power Authority	1,057

MW = Megawatt.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2008
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
1. Consolidated Edison Co-NY Inc.....	Investor-Owned	24,639,833	11,719,706	12,678,840	230,395	10,892
2. Long Island Power Authority.....	Public	18,336,182	9,511,752	8,542,369	-	282,061
3. New York Power Authority.....	Public	15,407,282	-	7,633,193	4,901,302	2,872,787
4. Niagara Mohawk Power Corp.....	Investor-Owned	15,118,992	9,636,989	4,135,314	1,345,912	777
5. New York State Elec & Gas Corp.....	Investor-Owned	8,840,504	5,297,114	2,279,549	1,236,259	27,582
Total Sales, Top Five Providers.....		82,342,793	36,165,561	35,269,265	7,713,868	3,194,099
Percent of Total State Sales.....		57	74	46	53	100

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatts)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Electric Utilities.....	29,585	11,675	11,902	11,386	11,927	12,046	12,056	11,784	84.6	30.4
Coal.....	3,891	302	302	297	297	297	297	45	11.1	0.1
Petroleum.....	12,530	3,638	3,688	2,642	2,450	2,468	2,465	2,467	35.8	6.4
Natural Gas.....	3,131	2,783	2,908	3,894	4,628	4,628	4,644	4,623	9.0	11.9
Nuclear.....	4,966	498	498	-	-	-	-	-	14.2	-
Hydroelectric.....	3,787	3,158	3,210	3,256	3,256	3,356	3,354	3,353	10.8	8.7
Pumped Storage.....	1,280	1,297	1,297	1,297	1,297	1,297	1,297	1,297	3.7	3.3
Independent Power Producers and Combined Heat and Power.....	5,395	24,366	24,795	26,457	27,195	27,505	27,065	26,936	15.4	69.6
Coal.....	395	3,842	3,924	3,904	3,921	3,717	3,273	2,854	1.1	7.4
Petroleum.....	69	4,218	4,768	4,766	4,782	4,773	4,821	4,806	0.2	12.4
Natural Gas.....	4,134	10,415	10,249	11,380	11,867	12,189	12,083	11,931	11.8	30.8
Other Gases.....	23	-	-	-	-	-	-	-	0.1	-
Nuclear.....	-	4,550	4,531	5,067	5,150	5,156	5,156	5,264	-	13.6
Hydroelectric.....	359	952	950	954	951	951	947	947	1.0	2.4
Other Renewables.....	414	390	373	386	525	720	786	1,134	1.2	2.9
Total Electric Industry.....	34,980	36,041	36,696	37,842	39,122	39,550	39,121	38,720	100.0	100.0
Coal.....	4,286	4,144	4,226	4,201	4,218	4,014	3,570	2,899	12.3	7.5
Petroleum.....	12,600	7,856	8,456	7,407	7,231	7,241	7,286	7,273	36.0	18.8
Natural Gas.....	7,265	13,197	13,156	15,274	16,494	16,816	16,727	16,554	20.8	42.8
Other Gases.....	23	-	-	-	-	-	-	-	0.1	-
Nuclear.....	4,966	5,047	5,028	5,067	5,150	5,156	5,156	5,264	14.2	13.6
Hydroelectric.....	4,146	4,109	4,160	4,210	4,207	4,307	4,301	4,299	11.9	11.1
Other Renewables.....	414	390	373	386	525	720	786	1,134	1.2	2.9
Pumped Storage.....	1,280	1,297	1,297	1,297	1,297	1,297	1,297	1,297	3.7	3.3

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatthours)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
New York										
Electric Utilities.....	115,840,453	43,466,278	41,578,894	40,955,819	39,962,653	41,598,844	40,247,883	38,170,043	80.0	27.2
Coal.....	23,503,467	1,682,022	1,693,854	1,707,414	1,108,151	1,211,432	1,359,061	388,760	16.2	0.3
Petroleum.....	14,523,573	7,434,611	9,681,490	9,159,172	9,769,302	3,927,419	4,449,368	2,200,304	10.0	1.6
Natural Gas.....	19,913,329	10,798,275	7,737,717	7,210,772	8,113,145	15,424,911	14,300,643	14,549,728	13.7	10.4
Nuclear.....	31,313,708	3,826,848	3,864,019	1,917,259	-	-	-	-	21.6	-
Hydroelectric.....	27,739,454	20,645,746	19,513,620	21,774,373	21,752,786	21,791,238	20,907,191	21,703,390	19.1	15.5
Other Renewables.....	4,603	-	-	-	-	-	-	-	*	-
Pumped Storage.....	-1,157,681	-921,224	-911,806	-813,171	-780,731	-756,156	-768,380	-672,139	-0.8	-0.5
Independent Power Producers and Combined Heat and Power.....	29,022,795	96,125,411	96,064,422	97,008,974	106,924,766	100,666,588	105,630,804	102,152,057	20.0	72.8
Coal.....	1,761,313	21,557,091	21,887,213	21,145,290	19,489,489	19,756,408	20,046,481	18,765,365	1.2	13.4
Petroleum.....	377,209	4,099,498	9,610,109	12,046,026	14,243,481	2,850,620	3,745,741	1,545,023	0.3	1.1
Natural Gas.....	22,558,270	27,652,917	20,418,631	20,083,273	23,759,556	26,708,967	31,332,988	29,306,733	15.6	20.9
Other Gases.....	88,313	-	-	-	-	-	-	-	0.1	-
Nuclear.....	-	35,790,643	36,815,186	38,723,046	42,443,152	42,223,899	42,452,854	43,209,171	-	30.8
Hydroelectric.....	1,576,324	4,402,149	4,755,040	2,215,288	4,029,732	5,553,417	4,345,364	5,019,741	1.1	3.6
Other Renewables.....	2,661,366	1,807,668	1,735,500	1,911,676	1,988,449	2,596,641	2,775,084	3,318,657	1.8	2.4
Other.....	-	815,443	842,742	884,375	970,907	976,636	932,292	987,366	-	0.7
Total Electric Industry.....	144,863,248	139,591,689	137,643,316	137,964,794	146,887,419	142,265,432	145,878,687	140,322,100	100.0	100.0
Coal.....	25,264,780	23,239,113	23,581,067	22,852,704	20,597,640	20,967,840	21,405,542	19,154,125	17.4	13.7
Petroleum.....	14,900,782	11,534,109	19,291,599	21,205,198	24,012,783	6,778,039	8,195,109	3,745,328	10.3	2.7
Natural Gas.....	42,471,599	38,451,192	28,156,348	27,294,045	31,872,701	42,133,878	45,633,631	43,856,460	29.3	31.3
Other Gases.....	88,313	-	-	-	-	-	-	-	0.1	-
Nuclear.....	31,313,708	39,617,491	40,679,205	40,640,305	42,443,152	42,223,899	42,452,854	43,209,171	21.6	30.8
Hydroelectric.....	29,315,778	25,047,895	24,268,660	23,989,661	25,782,518	27,344,655	25,252,555	26,723,131	20.2	19.0
Other Renewables.....	2,665,969	1,807,668	1,735,500	1,911,676	1,988,449	2,596,641	2,775,084	3,318,657	1.8	2.4
Pumped Storage.....	-1,157,681	-921,224	-911,806	-813,171	-780,731	-756,156	-768,380	-672,139	-0.8	-0.5
Other.....	-	815,443	842,742	884,375	970,907	976,636	932,292	987,366	-	0.7

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1998 and 2002 Through 2008

Fuel, Quality	1998	2002	2003	2004	2005	2006	2007	2008
New York								
Coal (cents per million Btu)	143	155	159	176	213	240	241	257
Average heat value (Btu per pound).....	13,052	13,019	12,545	12,063	11,832	11,584	11,382	11,248
Average sulfur Content (percent)	1.75	1.78	1.80	1.66	1.40	1.36	1.37	1.43
Petroleum (cents per million Btu) ¹	203	366	493	486	731	800	799	1,390
Average heat value (Btu per gallon).....	150,740	149,371	149,998	149,024	148,914	150,136	151,036	148,410
Average sulfur Content (percent)	0.79	1.02	0.67	0.89	0.72	0.63	0.57	0.77
Natural Gas (cents per million Btu).....	250	399	605	653	905	761	795	1,062
Average heat value (Btu per cubic foot).....	1,029	1,019	1,025	1,021	1,019	1,018	1,018	1,019

¹ Petroleum includes petroleum liquids and petroleum coke.
Btu = British thermal unit.

Note: Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. There may be a notable increase in fuel receipts beginning with 2008. For more information, please see the Technical Notes in the Electric Power Annual.

Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report." Federal Energy Regulatory Commission, FERC Form 423, "Monthly Cost and Quality of Fuels for Electric Plants." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 7. Electric Power Industry Emissions Estimates, 1998 and 2002 Through 2008
(Thousand Metric Tons)

Emission Type	1998	2002	2003	2004	2005	2006	2007	2008
New York								
Sulfur Dioxide								
Coal.....	256	194	187	158	121	100	93	69
Petroleum.....	72	43	70	76	65	21	24	10
Natural Gas.....	*	*	*	*	*	*	*	*
Other Gases.....	*	-	-	-	-	-	-	-
Other Renewables.....	5 ^R	1	1	1	1	1	6	4
Other.....	- ^R	*	1	*	*	*	*	*
Total.....	333	239	259	236	187	122	123	83
Nitrogen Oxide								
Coal.....	61	46	39	33	30	29	27	22
Petroleum.....	26	16	24	28	28	13	13	5
Natural Gas.....	34	22	14	13	15	11	10	12
Other Gases.....	*	-	-	-	-	-	-	-
Other Renewables.....	13 ^R	6	7	8	8	9	8	12
Other.....	- ^R	2	2	3	2	3	2	*
Total.....	134	91	86	85	82	64	60	51
Carbon Dioxide								
Coal.....	26,185 ^R	23,733 ^R	24,315 ^R	23,643 ^R	21,753 ^R	21,759 ^R	22,020 ^R	19,683
Petroleum.....	12,832 ^R	10,148 ^R	16,502 ^R	18,226 ^R	20,441 ^R	6,205 ^R	7,307 ^R	3,381
Natural Gas.....	22,139 ^R	20,819 ^R	15,082 ^R	14,560 ^R	17,039 ^R	21,634 ^R	22,684 ^R	22,226
Other Renewables.....	1,463 ^R	-	-	-	-	-	-	-
Other.....	- ^R	1,529 ^R	1,547 ^R	1,620 ^R	1,737 ^R	1,768 ^R	1,675 ^R	1,801
Total.....	62,619 ^R	56,230 ^R	57,446 ^R	58,049 ^R	60,970 ^R	51,367 ^R	53,686 ^R	47,092

R = Revised.

* = 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 *).

- (dash) = Data not available.

Source: Calculations made by the Electric Power Division, U. S. Energy Information Administration.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1998 and 2002 Through 2008

Sector	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
New York										
Retail Sales (thousand megawatthours)										
Residential	40,563	46,457	47,116	47,379	50,533	48,427	50,241	49,034	30.2	34.0
Commercial	55,745	62,271	72,495	74,378	76,822	76,029	74,326	77,416	41.5	53.7
Industrial	25,218	25,148	21,745	20,675	19,947	14,976	20,213	14,685	18.8	10.2
Other	12,669	13,565	NA	NA	NA	NA	NA	NA	9.4	--
Transportation.....	NA	NA	2,689	2,650	2,846	2,806	3,397	2,918	--	2.0
All Sectors	134,196	147,440	144,045	145,082	150,148	142,238	148,178	144,053	100.0	100.0
Retail Revenue (million dollars).....										
Residential	5,523	6,295	6,743	6,890	7,945	8,181	8,591	8,972	38.7	37.6
Commercial	6,376	7,681	9,372	9,654	11,031	11,793	11,829	13,035	44.7	54.6
Industrial	1,247	1,302	1,552	1,455	1,641	1,407	1,761	1,489	8.7	6.2
Other	1,121	1,177	NA	NA	NA	NA	NA	NA	7.9	--
Transportation.....	NA	NA	252	210	324	335	373	369	--	1.5
All Sectors	14,267	16,454	17,920	18,209	20,941	21,716	22,553	23,865	100.0	100.0
Average Retail Prices (cents/kWh)										
Residential	13.66	13.55	14.31	14.54	15.72	16.89	17.10	18.30	--	--
Commercial	11.63	12.33	12.93	12.98	14.36	15.51	15.92	16.84	--	--
Industrial	4.95	5.18	7.14	7.04	8.23	9.39	8.71	10.14	--	--
Other	8.85	8.68	NA	NA	NA	NA	NA	NA	--	--
Transportation.....	NA	NA	9.38	7.92	11.39	11.94	10.96	12.64	--	--
All Sectors	10.71	11.16	12.44	12.55	13.95	15.27	15.22	16.57	--	--

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 9. Retail Electricity Sales Statistics, 2008

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
New York								
Number of Entities.....	8	48	NA	4	3	41	8	112
Number of Retail Customers	5,556,904	1,272,748	NA	17,823	7,767	1,082,753	NA	7,937,995
Retail Sales (thousand megawatthours).....	58,401	23,036	NA	199	296	62,120	NA	144,053
Percentage of Retail Sales	40.54	15.99	--	0.14	0.21	43.12	--	100.00
Revenue from Retail Sales (million dollars)	10,455	3,788	NA	23	37	6,626	2,935	23,865
Percentage of Revenue	43.81	15.87	--	0.10	0.15	27.77	12.30	100.00
Average Retail Price (cents/kWh).....	17.90	16.44	NA	11.78	12.33	10.67	4.73	16.57

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Totals may not equal sum of components because of independent rounding. 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.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 10. Supply and Disposition of Electricity, 1998 and 2002 Through 2008
(Million Kilowatthours)

Category	1998	2002	2003	2004	2005	2006	2007	2008
New York								
Supply								
Generation								
Electric Utilities	115,840	43,466	41,579	40,956	39,963	41,599	40,248	38,170
Independent Power Producers	3,316	76,297	77,979	81,182	90,252	86,965	91,333	89,612
Combined Heat and Power, Electric	21,459	17,189	15,615	13,744	14,475	11,624	12,388	10,722
Electric Power Sector Generation Subtotal	140,615	136,952	135,173	135,882	144,690	140,187	143,969	138,504
Combined Heat and Power, Commercial	1,077	567	551	614	672	727	663	664
Combined Heat and Power, Industrial	3,171	2,073	1,920	1,468	1,525	1,351	1,246	1,154
Industrial and Commercial Generation Subtotal	4,249	2,639	2,471	2,083	2,197	2,078	1,909	1,818
Total Net Generation	144,863	139,592	137,643	137,965	146,887	142,265	145,879	140,322
Total International Imports	2,500	14,075	10,000	9,458	10,717	12,495	14,366	16,678
Total Supply	147,363	153,667	147,643	147,423	157,605	154,761	160,245	157,000
Disposition								
Retail Sales								
Full Service Providers	131,161	123,932	100,096	95,980	93,237	86,258	86,299	81,636
Energy-Only Providers	3,034	23,508	43,657	48,731	56,673	55,136	61,622	62,120
Facility Direct Retail Sales ¹	-	-	291	370	238	844	256	296
Total Electric Industry Retail Sales	134,196	147,440	144,045	145,082	150,148	142,238	148,178	144,053
Direct Use	3,942	4,164	4,217	4,221	3,803	1,718	1,617	2,544
Total International Exports	1,674	3,111	4,511	4,264	3,416^R	2,510	3,078	3,361
Estimated Losses	9,088	7,233	7,403^R	15,136^R	12,007^R	6,700	7,672	7,060
Total Disposition	148,899	161,948	160,175^R	168,704^R	169,373^R	153,166	160,545	157,019
Net Interstate Trade ²	-1,536	-8,281	-12,532^R	-21,281^R	-11,768^R	1,595	-301	-19
Net Trade Index (ratio) ³	0.99	0.95	0.92	0.87	0.93	1.01	1.00	1.00

¹ Facility Direct Retail Sales are electricity sales from non utility power producers which reported electricity sales to a retail customer.

² Net Interstate Trade is the difference between Total Supply and Total Disposition.

³ Net Trade Index is the ratio of Total Supply to Total Disposition.

R = Revised.

- (dash) = Data not available.

Notes: Totals may not equal sum of components because of independent rounding. 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. 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.

Sources: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms. U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry 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.

Table 1. 2008 Summary Statistics

Item	Value	U.S. Rank
North Carolina		
NERC Region(s).....		SERC
Primary Energy Source.....		Coal
Net Summer Capacity (megawatts)	27,694	12
Electric Utilities.....	25,558	5
Independent Power Producers & Combined Heat and Power.....	2,136	35
Net Generation (megawatthours).....	125,239,063	11
Electric Utilities.....	118,778,090	4
Independent Power Producers & Combined Heat and Power.....	6,460,973	36
Emissions (thousand metric tons)		
Sulfur Dioxide	236	13
Nitrogen Oxide.....	60	26
Carbon Dioxide.....	75,247	13
Sulfur Dioxide (lbs/MWh)	4.2	19
Nitrogen Oxide (lbs/MWh)	1.0	39
Carbon Dioxide (lbs/MWh).....	1,325	27
Total Retail Sales (megawatthours).....	130,054,113	9
Full Service Provider Sales (megawatthours)	130,054,113	7
Direct Use (megawatthours)	2,939,334	16
Average Retail Price (cents/kWh).....	7.96	32

MWh = Megawatthours.

kWh = Kilowatthours.

Sources: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 2. Ten Largest Plants by Generating Capacity, 2008

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
North Carolina			
1. Roxboro	Coal	Progress Energy Carolinas Inc	2,424
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	1,858
6. Richmond.....	Gas	Progress Energy Carolinas Inc	1,287
7. Lincoln Combustion	Gas	Duke Energy Carolinas, LLC	1,267
8. G G Allen.....	Coal	Duke Energy Carolinas, LLC	1,145
9. Rowan.....	Gas	Southern Power Co	974
10. Harris	Nuclear	Progress Energy Carolinas Inc	900

MW = Megawatt.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2008
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
1. Duke Energy Carolinas, LLC	Investor-Owned	55,745,524	20,818,760	21,644,507	13,277,159	5,098
2. Progress Energy Carolinas Inc	Investor-Owned	37,243,732	14,901,808	13,537,838	8,804,086	-
3. Virginia Electric & Power Co	Investor-Owned	4,211,389	1,546,418	949,812	1,715,159	-
4. EnergyUnited Elec Member Corp	Cooperative	2,260,067	1,511,414	597,167	151,486	-
5. Public Works Comm-City of Fayetteville	Public	2,098,973	918,406	857,507	323,060	-
Total Sales, Top Five Providers		101,559,685	39,696,806	37,586,831	24,270,950	5,098
Percent of Total State Sales		78	71	81	87	100

-(dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatts)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Electric Utilities.....	21,020	23,652	23,726	23,671	23,822	24,553	25,500	25,558	92.0	92.3
Coal.....	12,440	12,440	12,440	12,495	12,487	12,439	12,394	12,411	54.5	44.8
Petroleum.....	794	836	836	541	540	509	510	507	3.5	1.8
Natural Gas.....	1,511	4,010	4,010	4,035	4,200	4,975	5,597	5,660	6.6	20.4
Nuclear.....	4,691	4,731	4,783	4,938	4,938	4,975	4,975	4,958	20.5	17.9
Hydroelectric.....	1,584	1,538	1,562	1,567	1,562	1,571	1,940	1,932	6.9	7.0
Other Renewables.....	-	2	-	-	-	-	-	-	-	-
Pumped Storage.....	-	94	94	95	95	84	84	90	-	0.3
Independent Power Producers and Combined Heat and Power	1,823	3,023	3,537	3,438	3,284	2,508	2,144	2,136	8.0	7.7
Coal.....	826	828	828	731	709	674	674	658	3.6	2.4
Petroleum.....	43	50	54	53	53	53	53	50	0.2	0.2
Natural Gas.....	203	1,465	1,977	1,962	1,797	1,022	1,019	1,019	0.9	3.7
Hydroelectric.....	406	376	376	385	383	383	19	19	1.8	0.1
Other Renewables.....	307	266	264	270	305	338	342	342	1.3	1.2
Other.....	37	37	37	37	37	37	37	47	0.2	0.2
Total Electric Industry.....	22,842	26,674	27,263	27,110	27,107	27,061	27,644	27,694	100.0	100.0
Coal.....	13,266	13,268	13,268	13,226	13,196	13,113	13,068	13,069	58.1	47.2
Petroleum.....	837	887	891	595	594	563	564	558	3.7	2.0
Natural Gas.....	1,714	5,475	5,987	5,997	5,997	5,997	6,616	6,679	7.5	24.1
Nuclear.....	4,691	4,731	4,783	4,938	4,938	4,975	4,975	4,958	20.5	17.9
Hydroelectric.....	1,990	1,914	1,939	1,951	1,945	1,954	1,960	1,952	8.7	7.0
Other Renewables.....	307	268	264	270	305	338	342	342	1.3	1.2
Pumped Storage.....	-	94	94	95	95	84	84	90	-	0.3
Other.....	37	37	37	37	37	37	37	47	0.2	0.2

-(dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatthours)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
North Carolina										
Electric Utilities.....	113,112,235	115,597,653	118,433,112	118,328,694	121,674,733	117,797,331	123,215,621	118,778,090	93.2	94.8
Coal.....	69,000,633	71,223,313	70,630,278	71,956,852	74,915,235	72,311,023	76,611,703	72,625,233	56.8	58.0
Petroleum.....	285,902	376,170	459,947	250,402	231,141	219,114	236,042	232,446	0.2	0.2
Natural Gas.....	936,314	1,935,684	1,257,328	2,019,290	2,573,322	2,476,836	3,503,270	3,257,556	0.8	2.6
Nuclear.....	38,778,211	39,626,849	40,906,900	40,090,623	39,981,739	39,963,184	40,044,705	39,776,280	31.9	31.8
Hydroelectric.....	4,045,503	2,410,462	5,059,386	3,933,276	3,826,791	2,695,832	2,682,904	3,007,639	3.3	2.4
Pumped Storage.....	65,672	25,175	119,273	78,251	146,505	131,342	136,996	-121,064	0.1	-0.1
Independent Power Producers and Combined Heat and Power.....	8,266,589	8,870,376	9,149,208	8,001,263	8,073,845	7,417,453	6,899,680	6,460,973	6.8	5.2
Coal.....	3,948,830	3,964,428	4,145,953	3,589,263	3,520,465	3,175,982	3,371,335	3,189,553	3.3	2.5
Petroleum.....	405,412	215,856	323,748	360,507	287,728	232,024	259,647	87,776	0.3	0.1
Natural Gas.....	348,043	1,625,186	323,038	539,364	586,055	718,727	953,373	919,785	0.3	0.7
Other Gases.....	-	863	17	-	-	-	-	-	-	-
Hydroelectric.....	1,692,704	1,081,586	2,141,558	1,501,923	1,569,711	1,143,180	301,255	26,003	1.4	*
Other Renewables.....	1,622,244	1,786,255	1,975,716	1,732,802	1,807,148	1,828,305	1,672,219	1,922,213	1.3	1.5
Other.....	249,356	196,202	239,178	277,403	302,737	319,235	341,852	315,642	0.2	0.3
Total Electric Industry.....	121,378,824	124,468,029	127,582,320	126,329,957	129,748,578	125,214,784	130,115,301	125,239,063	100.0	100.0
Coal.....	72,949,463	75,187,741	74,776,231	75,546,115	78,435,700	75,487,005	79,983,038	75,814,787	60.1	60.5
Petroleum.....	691,314	592,026	783,695	610,909	518,869	451,138	495,689	320,221	0.6	0.3
Natural Gas.....	1,284,357	3,560,870	1,580,366	2,558,654	3,159,377	3,195,563	4,456,643	4,177,342	1.1	3.3
Other Gases.....	-	863	17	-	-	-	-	-	-	-
Nuclear.....	38,778,211	39,626,849	40,906,900	40,090,623	39,981,739	39,963,184	40,044,705	39,776,280	31.9	31.8
Hydroelectric.....	5,738,207	3,492,048	7,200,944	5,435,199	5,396,502	3,839,012	2,984,159	3,033,642	4.7	2.4
Other Renewables.....	1,622,244	1,786,255	1,975,716	1,732,802	1,807,148	1,828,305	1,672,219	1,922,213	1.3	1.5
Pumped Storage.....	65,672	25,175	119,273	78,251	146,505	131,342	136,996	-121,064	0.1	-0.1
Other.....	249,356	196,202	239,178	277,403	302,737	319,235	341,852	315,642	0.2	0.3

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1998 and 2002 Through 2008

Fuel, Quality	1998	2002	2003	2004	2005	2006	2007	2008
North Carolina								
Coal (cents per million Btu)	144	176	178	200	240	269	274	326
Average heat value (Btu per pound).....	12,398	12,422	12,423	12,345	12,309	12,268	12,374	12,243
Average sulfur Content (percent)	0.89	0.85	0.87	0.86	0.88	0.91	1.01	1.01
Petroleum (cents per million Btu) ¹	311	467	623	715	W	W	W	NM
Average heat value (Btu per gallon).....	138,167	144,098	140,848	141,338	142,869	139,114	146,617	NM
Average sulfur Content (percent)	0.22	0.98	0.48	0.73	0.76	0.36	1.34	NM
Natural Gas (cents per million Btu).....	268	344	560	658	W	W	W	W
Average heat value (Btu per cubic foot).....	1,048	1,012	1,032	1,036	1,037	1,035	1,034	1,031

¹ Petroleum includes petroleum liquids and petroleum coke.

Btu = British thermal unit.

NM = Not meaningful due to large relative standard error. Please see Technical Notes and Appendix tables published in the Cost and Quality of Fuels.

W = Withheld to avoid disclosure of individual company data.

Note: Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. There may be a notable increase in fuel receipts beginning with 2008. For more information, please see the Technical Notes in the Electric Power Annual.

Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report." Federal Energy Regulatory Commission, FERC Form 423, "Monthly Cost and Quality of Fuels for Electric Plants." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 7. Electric Power Industry Emissions Estimates, 1998 and 2002 Through 2008
(Thousand Metric Tons)

Emission Type	1998	2002	2003	2004	2005	2006	2007	2008
North Carolina								
Sulfur Dioxide								
Coal.....	484	437	437	443	469	438	356	223
Petroleum.....	11	3	4	2	2	2	2	1
Natural Gas	*	*	*	*	*	*R	*	*
Other Renewables.....	14	8	9	10	10	7	6	10
Other	R	1	1	1	1	1	1	1
Total.....	509	450	450	456	482	447	365	236
Nitrogen Oxide								
Coal.....	239	144	129	113	103	97	57	55
Petroleum.....	4	2	3	1	1	1	1	1
Natural Gas	2	2	1	1	1	1	1	1
Other Renewables.....	5	3	4	2	2	1	2	3
Other	*	*	*	*	*	*	*	*
Total.....	250	152	136	116	107	100	61	60
Carbon Dioxide								
Coal.....	68,400 ^R	70,419 ^R	70,471 ^R	70,958 ^R	74,167 ^R	71,340 ^R	76,139 ^R	72,639
Petroleum.....	1,553 ^R	1,081 ^R	1,272 ^R	967 ^R	872 ^R	821 ^R	815 ^R	539
Natural Gas	1,021 ^R	1,750 ^R	793 ^R	1,178 ^R	1,485 ^R	1,568 ^R	2,226 ^R	1,968
Other Renewables.....	48 ^R	-	-	-	-	-	-	-
Other	R	62 ^R	83 ^R	106 ^R	125 ^R	140 ^R	135 ^R	101
Total.....	71,022 ^R	73,312 ^R	72,620 ^R	73,209 ^R	76,649 ^R	73,869 ^R	79,315 ^R	75,247

R = Revised.

* = 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 *).

- (dash) = Data not available.

Source: Calculations made by the Electric Power Division, U. S. Energy Information Administration.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1998 and 2002 Through 2008

Sector	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
North Carolina										
Retail Sales (thousand megawatthours)										
Residential	42,890	49,854	49,349	51,717	54,073	52,851	56,095	55,740	37.8	42.9
Commercial	33,637	39,277	41,672	42,864	44,161	44,585	46,807	46,537	29.6	35.8
Industrial	34,986	31,381	30,314	31,075	30,101	29,263	28,978	27,773	30.8	21.4
Other	2,083	2,174	NA	NA	NA	NA	NA	NA	1.8	--
Transportation.....	NA	NA	NA	NA	*	*	*	5	--	*
All Sectors	113,596	122,686	121,335	125,657	128,335	126,699	131,881	130,054	100.0	100.0
Retail Revenue (million dollars).....										
Residential	3,434	4,085	4,106	4,369	4,680	4,818	5,271	5,304	46.8	51.2
Commercial	2,137	2,559	2,770	2,871	3,028	3,195	3,477	3,514	29.1	33.9
Industrial	1,620	1,474	1,453	1,516	1,516	1,531	1,584	1,537	22.1	14.8
Other	142	146	NA	NA	NA	NA	NA	NA	1.9	--
Transportation.....	NA	NA	NA	NA	*	*	*	*	--	*
All Sectors	7,332	8,263	8,329	8,756	9,224	9,544	10,332	10,356	100.0	100.0
Average Retail Prices (cents/kWh)										
Residential	8.01	8.19	8.32	8.45	8.65	9.12	9.40	9.52	--	--
Commercial	6.35	6.51	6.65	6.70	6.86	7.17	7.43	7.55	--	--
Industrial	4.63	4.70	4.79	4.88	5.04	5.23	5.47	5.54	--	--
Other	6.79	6.70	NA	NA	NA	NA	NA	NA	--	--
Transportation.....	NA	NA	NA	NA	8.33	3.23	9.09	6.57	--	--
All Sectors	6.45	6.74	6.86	6.97	7.19	7.53	7.83	7.96	--	--

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

* = 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 *).

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 9. Retail Electricity Sales Statistics, 2008

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
North Carolina								
Number of Entities.....	3	72	1	31	NA	NA	NA	107
Number of Retail Customers	3,220,407	584,660	6	1,001,943	NA	NA	NA	4,807,016
Retail Sales (thousand megawatthours).....	97,201	15,801	6	17,046	NA	NA	NA	130,054
Percentage of Retail Sales	74.74	12.15	*	13.11	--	--	--	100.00
Revenue from Retail Sales (million dollars)	7,118	1,476	*	1,762	NA	NA	NA	10,356
Percentage of Revenue	68.73	14.25	*	17.01	--	--	--	100.00
Average Retail Price (cents/kWh).....	7.32	9.34	8.04	10.34	NA	NA	NA	7.96

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

* = 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 *).

Notes: Totals may not equal sum of components because of independent rounding. 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.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 10. Supply and Disposition of Electricity, 1998 and 2002 Through 2008
(Million Kilowatthours)

Category	1998	2002	2003	2004	2005	2006	2007	2008
North Carolina								
Supply								
Generation								
Electric Utilities	113,112	115,598	118,433	118,329	121,675	117,797	123,216	118,778
Independent Power Producers	467	1,914	1,943	1,699	1,863	1,815	1,686	1,398
Combined Heat and Power, Electric	3,024	3,272	3,575	3,207	3,064	2,854	3,034	2,929
Electric Power Sector Generation Subtotal	116,603	120,784	123,951	123,234	126,602	122,467	127,936	123,105
Combined Heat and Power, Commercial	119	106	102	119	131	101	76	90
Combined Heat and Power, Industrial.....	4,657	3,578	3,529	2,977	3,015	2,648	2,103	2,044
Industrial and Commercial Generation Subtotal	4,775	3,684	3,631	3,096	3,147	2,748	2,180	2,134
Total Net Generation	121,379	124,468	127,582	126,330	129,749	125,215	130,115	125,239
Total Supply	121,379	124,468	127,582	126,330	129,749	125,215	130,115	125,239
Disposition								
Retail Sales								
Full Service Providers	113,596	122,686	121,304	125,657	128,335	126,699	131,881	130,054
Facility Direct Retail Sales ¹	-	-	31	-	-	-	-	-
Total Electric Industry Retail Sales	113,596	122,686	121,335	125,657	128,335	126,699	131,881	130,054
Direct Use	4,568	4,040	4,091	4,096	2,932	2,350	2,743	2,939
Estimated Losses	7,693	7,820	7,335^R	8,910^R	13,000^R	13,398	9,667	8,805
Total Disposition	125,857	134,547	132,762^R	138,663^R	144,268^R	142,448	144,291	141,798
Net Interstate Trade ²	-4,478	-10,079	-5,180^R	-12,333^R	-14,519^R	-17,233	-14,176	-16,559
Net Trade Index (ratio) ³	0.96	0.93	0.96	0.91	0.90	0.88	0.90	0.88

¹ Facility Direct Retail Sales are electricity sales from non utility power producers which reported electricity sales to a retail customer.

² Net Interstate Trade is the difference between Total Supply and Total Disposition.

³ Net Trade Index is the ratio of Total Supply to Total Disposition.

R = Revised.

- (dash) = Data not available.

Notes: Totals may not equal sum of components because of independent rounding. 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. 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.

Sources: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms. U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry 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.

Table 1. 2008 Summary Statistics

Item	Value	U.S. Rank
North Dakota		
NERC Region(s).....		MRO
Primary Energy Source.....		Coal
Net Summer Capacity (megawatts)	5,484	41
Electric Utilities.....	4,691	34
Independent Power Producers & Combined Heat and Power.....	793	41
Net Generation (megawatthours).....	32,734,579	38
Electric Utilities.....	30,852,784	33
Independent Power Producers & Combined Heat and Power.....	1,881,795	45
Emissions (thousand metric tons)		
Sulfur Dioxide	124	20
Nitrogen Oxide.....	63	24
Carbon Dioxide.....	32,918	29
Sulfur Dioxide (lbs/MWh)	8.3	6
Nitrogen Oxide (lbs/MWh)	4.3	3
Carbon Dioxide (lbs/MWh).....	2,217	1
Total Retail Sales (megawatthours).....	12,416,074	42
Full Service Provider Sales (megawatthours)	12,416,074	42
Direct Use (megawatthours)	207,865	46
Average Retail Price (cents/kWh).....	6.69	44

MWh = Megawatthours.

kWh = Kilowatthours.

Sources: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 2. Ten Largest Plants by Generating Capacity, 2008

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	697
4. Leland Olds.....	Coal	Basin Electric Power Coop	669
5. Garrison	Hydroelectric	USCE-Missouri River District	486
6. Coyote.....	Coal	Otter Tail Power Co	427
7. Stanton	Coal	Great River Energy	188
8. Tatanka Wind Power LLC.....	Other Renewables	Acciona Wind Energy USA LLC	180
9. Langdon Wind LLC.....	Other Renewables	FPL Energy Langdon Wind LLC	159
10. FPL Energy Ashtabula Wind LLC	Other Renewables	FPL Energy Ashtabula Wind LLC	149

MW = Megawatt.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2008
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
1. Northern States Power Co - Minnesota.....	Investor-Owned	2,210,146	761,934	1,120,009	328,203	-
2. Otter Tail Power Co.....	Investor-Owned	1,619,082	572,647	964,373	82,062	-
3. Montana-Dakota Utilities Co.....	Investor-Owned	1,552,167	584,225	805,790	162,152	-
4. Basin Electric Power Coop.....	Cooperative	1,003,970	-	-	1,003,970	-
5. Cass County Electric Coop Inc.....	Cooperative	936,578	516,254	352,652	67,672	-
Total Sales, Top Five Providers.....		7,321,943	2,435,060	3,242,824	1,644,059	-
Percent of Total State Sales.....		59	57	73	44	-

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatts)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Electric Utilities.....	4,656	4,659	4,562	4,673	4,625	4,636	4,668	4,691	99.3	85.5
Coal.....	4,068	4,084	4,107	4,105	4,106	4,106	4,098	4,098	86.7	74.7
Petroleum.....	61	69	72	71	75	75	72	72	1.3	1.3
Natural Gas.....	9	10	10	10	10	10	10	10	0.2	0.2
Hydroelectric.....	518	497	371	485	432	443	486	486	11.0	8.9
Other Renewables.....	-	-	3	3	3	3	3	26	-	0.5
Independent Power Producers and Combined Heat and Power.....	35	40	101	101	133	203	424	793	0.7	14.5
Coal.....	18	21	21	21	21	21	21	21	0.4	0.4
Petroleum.....	-	-	-	-	-	2	4	4	-	0.1
Other Gases.....	7	8	8	8	8	8	8	8	0.2	0.2
Other Renewables.....	9	10	72	71	103	171	390	759	0.2	13.8
Total Electric Industry.....	4,691	4,699	4,663	4,774	4,758	4,839	5,091	5,484	100.0	100.0
Coal.....	4,086	4,105	4,129	4,126	4,127	4,127	4,119	4,119	87.1	75.1
Petroleum.....	61	69	72	71	75	77	75	75	1.3	1.4
Natural Gas.....	9	10	10	10	10	10	10	10	0.2	0.2
Other Gases.....	7	8	8	8	8	8	8	8	0.2	0.2
Hydroelectric.....	518	497	371	485	432	443	486	486	11.0	8.9
Other Renewables.....	9	10	74	74	105	174	393	786	0.2	14.3

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatthours)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
North Dakota										
Electric Utilities.....	30,518,976	31,147,221	31,075,012	29,526,814	31,512,768	30,328,375	30,402,807	30,852,784	99.5	94.3
Coal.....	28,176,015	29,518,865	29,298,347	27,938,264	30,133,242	28,761,820	29,041,826	29,551,647	91.9	90.3
Petroleum.....	47,091	35,728	45,648	36,565	32,480	39,269	47,332	40,977	0.2	0.1
Natural Gas.....	-78	12	-47	265	-29	49	59	-51	*	*
Hydroelectric.....	2,295,948	1,592,616	1,723,904	1,545,864	1,341,824	1,521,034	1,305,393	1,252,790	7.5	3.8
Other Renewables.....	-	-	7,160	5,856	5,251	6,203	7,224	6,881	-	*
Other.....	-	-	-	-	-	-	973	540	-	*
Independent Power Producers and Combined Heat and Power.....	152,975	159,091	247,117	409,292	419,847	552,762	821,298	1,881,795	0.5	5.7
Coal.....	80,845	92,659	128,964	125,960	125,517	117,171	121,727	120,583	0.3	0.4
Petroleum.....	17,433	2,848	6,244	1,866	1,785	2,810	3,486	8,116	0.1	*
Natural Gas.....	807	8,030	9,493	8,779	8,041	7,016	16,516	-	*	-
Other Gases.....	52,366	55,144	50,096	58,417	59,422	58,939	52,515	-	0.2	-
Other Renewables.....	1,524	410	52,320	214,270	225,083	366,826	627,055	1,699,504	*	5.2
Other.....	-	-	-	-	-	-	-	53,593	-	0.2
Total Electric Industry.....	30,671,951	31,306,312	31,322,129	29,936,106	31,932,615	30,881,137	31,224,105	32,734,579	100.0	100.0
Coal.....	28,256,860	29,611,524	29,427,311	28,064,224	30,258,759	28,878,991	29,163,553	29,672,230	92.1	90.6
Petroleum.....	64,524	38,576	51,892	38,431	34,265	42,079	50,818	49,092	0.2	0.1
Natural Gas.....	729	8,042	9,446	9,044	8,012	7,065	16,574	-51	*	*
Other Gases.....	52,366	55,144	50,096	58,417	59,422	58,939	52,515	-	0.2	-
Hydroelectric.....	2,295,948	1,592,616	1,723,904	1,545,864	1,341,824	1,521,034	1,305,393	1,252,790	7.5	3.8
Other Renewables.....	1,524	410	59,480	220,126	230,334	373,029	634,279	1,706,385	*	5.2
Other.....	-	-	-	-	-	-	973	54,133	-	0.2

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1998 and 2002 Through 2008

Fuel, Quality	1998	2002	2003	2004	2005	2006	2007	2008
North Dakota								
Coal (cents per million Btu)	76	74	74	77	82	88	98	110
Average heat value (Btu per pound).....	6,566	6,564	6,549	6,602	6,686	6,651	6,621	6,667
Average sulfur Content (percent)	0.76	0.72	0.69	0.70	0.69	0.71	0.74	0.73
Petroleum (cents per million Btu) ¹	312	573	676	863	1,244	1,486	1,783	W
Average heat value (Btu per gallon).....	138,812	138,955	138,995	138,410	139,014	138,976	139,186	137,595
Average sulfur Content (percent)	0.41	0.37	0.37	0.36	0.37	0.37	0.34	0.28
Natural Gas (cents per million Btu).....	369	248	744	778	954	1,013	599	NM
Average heat value (Btu per cubic foot).....	1,050	1,023	1,030	1,034	1,073	1,079	1,071	NM

¹ Petroleum includes petroleum liquids and petroleum coke.

Btu = British thermal unit.

NM = Not meaningful due to large relative standard error. Please see Technical Notes and Appendix tables published in the Cost and Quality of Fuels.

W = Withheld to avoid disclosure of individual company data.

Note: Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. There may be a notable increase in fuel receipts beginning with 2008. For more information, please see the Technical Notes in the Electric Power Annual.

Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report." Federal Energy Regulatory Commission, FERC Form 423, "Monthly Cost and Quality of Fuels for Electric Plants." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 7. Electric Power Industry Emissions Estimates, 1998 and 2002 Through 2008
(Thousand Metric Tons)

Emission Type	1998	2002	2003	2004	2005	2006	2007	2008
North Dakota								
Sulfur Dioxide								
Coal.....	178	128	128	137	125	119	125	124
Petroleum.....	*	*	*	*	*	*	*	*
Other Gases.....	*	*	*	*	*	*	*	*
Other Renewables.....	*	*	*	*	-	*	*	*
Other	*	-	-	*	-	-	-	*
Total.....	178	129	128	137	126	119	125	124
Nitrogen Oxide								
Coal.....	90	69	70	72	70	68	66	63
Petroleum.....	*	*	*	*	*	*	*	*
Natural Gas	*	*	*	*	*	*	*	*
Other Gases.....	*	*	*	*	*	*	*	*
Other Renewables.....	*	1	*	*	*	*	*	*
Other	*	-	-	-	-	-	-	*
Total.....	90	70	71	73	70	68	66	63
Carbon Dioxide								
Coal.....	31,619 ^R	32,411 ^R	31,989 ^R	30,628 ^R	33,106 ^R	31,519 ^R	32,210 ^R	32,848
Petroleum.....	88	43	63	39	37	45	54 ^R	70
Natural Gas	2	27	23	29	22	19 ^R	43	*
Other	-	-	-	-	-	-	1	1
Total.....	31,709 ^R	32,481 ^R	32,075 ^R	30,697 ^R	33,165 ^R	31,583 ^R	32,308 ^R	32,918

R = Revised.

* = 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 *).

- (dash) = Data not available.

Source: Calculations made by the Electric Power Division, U. S. Energy Information Administration.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1998 and 2002 Through 2008

Sector	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
North Dakota										
Retail Sales (thousand megawatthours)										
Residential	3,272	3,664	3,707	3,663	3,796	3,853	4,067	4,259	39.8	34.3
Commercial	2,305	3,404	3,800	3,843	3,994	4,127	4,215	4,460	28.0	35.9
Industrial	2,187	2,636	2,954	3,010	3,050	3,266	3,624	3,697	26.6	29.8
Other	456	516	NA	NA	NA	NA	NA	NA	5.5	--
All Sectors	8,220	10,219	10,461	10,516	10,840	11,245	11,906	12,416	100.0	100.0
Retail Revenue (million dollars)										
Residential	212	234	241	249	265	275	297	320	45.3	38.5
Commercial	143	199	214	225	244	260	278	304	30.5	36.6
Industrial	94	105	117	124	132	163	190	207	20.1	24.9
Other	19	19	NA	NA	NA	NA	NA	NA	4.1	--
All Sectors	469	557	572	599	641	698	764	830	100.0	100.0
Average Retail Prices (cents/kWh)										
Residential	6.49	6.39	6.49	6.79	6.99	7.14	7.30	7.51	--	--
Commercial	6.20	5.85	5.64	5.86	6.11	6.30	6.58	6.81	--	--
Industrial	4.30	3.98	3.96	4.13	4.32	5.00	5.24	5.59	--	--
Other	4.27	3.68	NA	NA	NA	NA	NA	NA	--	--
All Sectors	5.70	5.45	5.47	5.69	5.92	6.21	6.42	6.69	--	--

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 9. Retail Electricity Sales Statistics, 2008

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
North Dakota								
Number of Entities	3	12	1	21	NA	NA	NA	37
Number of Retail Customers	217,663	10,996	28	148,726	NA	NA	NA	377,413
Retail Sales (thousand megawatthours)	5,381	283	195	6,557	NA	NA	NA	12,416
Percentage of Retail Sales	43.34	2.28	1.57	52.81	--	--	--	100.00
Revenue from Retail Sales (million dollars)	392	17	4	417	NA	NA	NA	830
Percentage of Revenue	47.19	2.07	0.53	50.21	--	--	--	100.00
Average Retail Price (cents/kWh)	7.28	6.08	2.26	6.36	NA	NA	NA	6.69

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Totals may not equal sum of components because of independent rounding. 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.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 10. Supply and Disposition of Electricity, 1998 and 2002 Through 2008
(Million Kilowatthours)

Category	1998	2002	2003	2004	2005	2006	2007	2008
North Dakota								
Supply								
Generation								
Electric Utilities	30,519	31,147	31,075	29,527	31,513	30,328	30,403	30,853
Independent Power Producers	-	-	52	209	215	363	614	1,687
Electric Power Sector Generation Subtotal	30,519	31,147	31,127	29,735	31,728	30,692	31,016	32,539
Combined Heat and Power, Commercial	-	-	-	-	-	-	*	*
Combined Heat and Power, Industrial.....	153	159	195	201	205	189	207	195
Industrial and Commercial Generation Subtotal	153	159	195	201	205	189	208	195
Total Net Generation	30,672	31,306	31,322	29,936	31,933	30,881	31,224	32,735
Total International Imports	224	1,414	1,251	1,513	2,151	2,008	1,657	1,414
Total Supply	30,896	32,720	32,573	31,449	34,084	32,889	32,881	34,148
Disposition								
Retail Sales								
Full Service Providers	8,220	10,219	10,461	10,516	10,840	11,245	11,906	12,416
Total Electric Industry Retail Sales	8,220	10,219	10,461	10,516	10,840	11,245	11,906	12,416
Direct Use	153	164	167	167	212	195	578	208
Total International Exports	424	1,238	1,664	1,409	457	1,251	328	606
Estimated Losses	557	1,996	2,136^R	2,132	1,581	1,567	1,488	1,435
Total Disposition	9,354	13,618	14,429	14,224^R	13,090	14,259	14,299	14,664
Net Interstate Trade ¹	21,542	19,102	18,144	17,225^R	20,994	18,630	18,582	19,484
Net Trade Index (ratio) ²	3.30	2.40	2.26	2.21	2.60	2.31	2.30	2.33

¹ Net Interstate Trade is the difference between Total Supply and Total Disposition.

² Net Trade Index is the ratio of Total Supply to Total Disposition.

R = Revised.

* = 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 *).

- (dash) = Data not available.

Notes: Totals may not equal sum of components because of independent rounding. 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. 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.

Sources: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms. U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry 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.

Table 1. 2008 Summary Statistics

Item	Value	U.S. Rank
Ohio		
NERC Region(s).....		RFC
Primary Energy Source.....		Coal
Net Summer Capacity (megawatts)	33,492	8
Electric Utilities.....	20,340	12
Independent Power Producers & Combined Heat and Power.....	13,152	7
Net Generation (megawatthours).....	153,412,251	6
Electric Utilities.....	98,396,809	6
Independent Power Producers & Combined Heat and Power.....	55,015,442	7
Emissions (thousand metric tons)		
Sulfur Dioxide	725	2
Nitrogen Oxide.....	222	1
Carbon Dioxide.....	128,758	2
Sulfur Dioxide (lbs/MWh)	10.4	2
Nitrogen Oxide (lbs/MWh)	3.2	11
Carbon Dioxide (lbs/MWh).....	1,850	11
Total Retail Sales (megawatthours).....	159,388,807	4
Full Service Provider Sales (megawatthours)	147,631,947	4
Deregulated Sales (megawatthours)	11,756,860	7
Direct Use (megawatthours)	1,228,347	26
Average Retail Price (cents/kWh).....	8.39	28

MWh = Megawatthours.

kWh = Kilowatthours.

Sources: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 2. Ten Largest Plants by Generating Capacity, 2008

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
Ohio			
1. General James M Gavin	Coal	Ohio Power Co	2,640
2. J M Stuart.....	Coal	Dayton Power & Light Co	2,349
3. W H Sammis.....	Coal	FirstEnergy Generation Corp	2,233
4. Cardinal	Coal	Cardinal Operating Co	1,800
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. Hanging Rock Energy Facility	Gas	Duke Energy Ohio Inc	1,288
10. Eastlake.....	Coal	FirstEnergy Generation Corp	1,257

MW = Megawatt.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2008
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
1. Ohio Power Co	Investor-Owned	27,871,540	7,527,989	5,902,389	14,441,162	-
2. Columbus Southern Power Co	Investor-Owned	22,055,121	7,550,528	8,683,465	5,821,128	-
3. Ohio Edison Co	Investor-Owned	21,040,189	7,911,640	5,794,817	7,333,732	-
4. Duke Energy Ohio Inc.....	Investor-Owned	20,295,833	7,270,412	7,672,378	5,353,043	-
5. Cleveland Electric Illum Co	Investor-Owned	17,157,556	5,166,814	4,278,302	7,669,890	42,550
Total Sales, Top Five Providers		108,420,239	35,427,383	32,331,351	40,618,955	42,550
Percent of Total State Sales		68	66	68	69	90

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatts)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Ohio										
Electric Utilities.....	26,768	27,885	27,694	27,684	19,312	20,147	20,012	20,340	98.8	60.7
Coal.....	22,456	21,599	21,258	21,366	16,272	16,296	16,204	15,909	82.9	47.5
Petroleum.....	824	1,000	1,017	1,008	588	588	596	575	3.0	1.7
Natural Gas.....	1,232	2,921	3,056	3,074	2,346	3,156	3,105	3,749	4.5	11.2
Nuclear.....	2,042	2,111	2,108	2,108	-	-	-	-	7.5	-
Hydroelectric.....	123	164	162	122	101	101	101	101	0.5	0.3
Other Renewables.....	90	90	94	7	7	7	7	7	0.3	*
Independent Power Producers and Combined Heat and Power	323	3,592	6,366	6,366	14,558	13,731	13,743	13,152	1.2	39.3
Coal.....	199	1,099	1,094	1,047	6,042	5,969	5,871	5,906	0.7	17.6
Petroleum.....	6	49	49	49	469	469	479	472	*	1.4
Natural Gas.....	18	2,345	5,124	5,113	5,812	5,006	5,064	4,443	0.1	13.3
Other Gases.....	63	81	81	100	100	100	100	100	0.2	0.3
Nuclear.....	-	-	-	-	2,108	2,120	2,124	2,124	-	6.3
Other Renewables.....	37	17	17	57	27	67	105	106	0.1	0.3
Total Electric Industry.....	27,090	31,477	34,060	34,050	33,870	33,877	33,755	33,492	100.0	100.0
Coal.....	22,655	22,698	22,352	22,412	22,313	22,264	22,074	21,815	83.6	65.1
Petroleum.....	830	1,049	1,066	1,057	1,057	1,057	1,075	1,047	3.1	3.1
Natural Gas.....	1,251	5,266	8,180	8,187	8,157	8,161	8,169	8,192	4.6	24.5
Other Gases.....	63	81	81	100	100	100	100	100	0.2	0.3
Nuclear.....	2,042	2,111	2,108	2,108	2,108	2,120	2,124	2,124	7.5	6.3
Hydroelectric.....	123	164	162	122	101	101	101	101	0.5	0.3
Other Renewables.....	127	107	111	65	35	75	112	113	0.5	0.3

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatthours)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Ohio										
Electric Utilities.....	146,448,159	139,904,106	139,086,083	142,305,499	102,750,838	98,159,139	100,536,445	98,396,809	99.0	64.1
Coal.....	128,696,073	127,373,404	129,255,272	124,004,082	101,302,047	96,674,346	98,791,919	97,315,864	87.0	63.4
Petroleum.....	351,408	380,710	387,257	1,354,023	253,906	245,951	240,791	243,608	0.2	0.2
Natural Gas.....	518,519	796,761	456,255	266,954	665,873	592,505	1,078,551	435,717	0.4	0.3
Other Gases.....	-	-	-	-	-	-	-	102	-	*
Nuclear.....	16,475,732	10,864,902	8,475,016	15,950,121	-	-	-	-	11.1	-
Hydroelectric.....	406,427	488,329	510,835	729,876	515,744	631,936	410,436	386,435	0.3	0.3
Other Renewables.....	-	-	1,448	443	13,268	14,401	14,748	15,084	-	*
Independent Power Producers and Combined Heat and Power.....	1,491,898	7,164,743	7,552,045	6,040,406	54,225,485	57,274,936	54,619,100	55,015,442	1.0	35.9
Coal.....	527,108	5,579,661	5,513,865	4,152,700	35,523,551	36,725,810	34,338,760	33,378,446	0.4	21.8
Petroleum.....	19,430	8,409	22,897	34,258	1,136,487	1,108,604	906,954	1,194,329	*	0.8
Natural Gas.....	159,059	969,893	1,337,328	1,124,041	2,029,755	1,786,557	2,896,346	2,048,675	0.1	1.3
Other Gases.....	185,762	206,565	212,523	302,063	298,339	360,007	289,273	260,822	0.1	0.2
Nuclear.....	-	-	-	-	14,802,733	16,846,939	15,764,049	17,513,878	-	11.4
Other Renewables.....	600,539	151,311	439,269	427,334	432,320	444,214	420,395	608,292	0.4	0.4
Other.....	-	248,904	26,163	11	2,299	2,805	3,322	11,000	-	*
Total Electric Industry.....	147,940,057	147,068,849	146,638,128	148,345,905	156,976,323	155,434,075	155,155,545	153,412,251	100.0	100.0
Coal.....	129,223,181	132,953,065	134,769,137	128,156,782	136,825,598	133,400,156	133,130,679	130,694,310	87.3	85.2
Petroleum.....	370,838	389,119	410,154	1,388,281	1,390,393	1,354,555	1,147,746	1,437,938	0.3	0.9
Natural Gas.....	677,578	1,766,654	1,793,583	1,390,995	2,695,628	2,379,062	3,974,897	2,484,391	0.5	1.6
Other Gases.....	185,762	206,565	212,523	302,063	298,339	360,007	289,273	260,924	0.1	0.2
Nuclear.....	16,475,732	10,864,902	8,475,016	15,950,121	14,802,733	16,846,939	15,764,049	17,513,878	11.1	11.4
Hydroelectric.....	406,427	488,329	510,835	729,876	515,744	631,936	410,436	386,435	0.3	0.3
Other Renewables.....	600,539	151,311	440,717	427,777	445,588	458,615	435,143	623,376	0.4	0.4
Other.....	-	248,904	26,163	11	2,299	2,805	3,322	11,000	-	*

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1998 and 2002 Through 2008

Fuel, Quality	1998	2002	2003	2004	2005	2006	2007	2008
Ohio								
Coal (cents per million Btu)	136	W	121	133	154	170	171	205
Average heat value (Btu per pound).....	11,913	12,143	12,160	12,098	12,097	11,525	11,495	11,444
Average sulfur Content (percent)	2.01	1.98	2.14	2.25	2.16	1.68	1.70	1.96
Petroleum (cents per million Btu) ¹	202	W	731	W	1,291	1,224	W	591
Average heat value (Btu per gallon).....	105,736	125,426	137,810	137,986	138,193	138,150	138,026	134,567
Average sulfur Content (percent)	2.67	0.13	0.23	0.19	0.09	0.07	0.06	3.92
Natural Gas (cents per million Btu).....	308	375	598	648	924	771	764	1,035
Average heat value (Btu per cubic foot).....	1,027	1,028	1,037	1,034	1,030	1,033	1,033	1,035

¹ Petroleum includes petroleum liquids and petroleum coke.

Btu = British thermal unit.

W = Withheld to avoid disclosure of individual company data.

Note: Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. There may be a notable increase in fuel receipts beginning with 2008. For more information, please see the Technical Notes in the Electric Power Annual.

Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report." Federal Energy Regulatory Commission, FERC Form 423, "Monthly Cost and Quality of Fuels for Electric Plants." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 7. Electric Power Industry Emissions Estimates, 1998 and 2002 Through 2008 (Thousand Metric Tons)

Emission Type	1998	2002	2003	2004	2005	2006	2007	2008
Ohio								
Sulfur Dioxide								
Coal	1,294	1,082	1,135	1,044	1,050	941	928	690
Petroleum	18	11	4	4	5	27	28	33
Natural Gas	*	*	* ^R	*	*	*	*	*
Other Gases	*	*	*	*	*	*	*	*
Other Renewables	9	2	2	2	2	2	2	2
Other	*	-	-	*	*	-	*	*
Total	1,321	1,096	1,141	1,050	1,057	970	958	725
Nitrogen Oxide								
Coal	474	340	326	247	234	220	220	216
Petroleum	3	4	2	1	1	1	4	4
Natural Gas	2	1	1	2	1	1	2	1
Other Gases	1	1	*	*	*	*	*	*
Other Renewables	3	2	1	1	1	1	1	1
Other	*	*	*	*	*	-	*	*
Total	483	347	331	251	238	224	227	222
Carbon Dioxide								
Coal	123,235 ^R	122,521 ^R	127,216 ^R	121,888 ^R	130,149 ^R	126,721 ^R	127,456 ^R	125,165
Petroleum	984 ^R	311 ^R	414 ^R	1,431 ^R	1,386 ^R	2,220 ^R	2,103 ^R	2,185
Natural Gas	912 ^R	1,371 ^R	1,230 ^R	1,187 ^R	1,611 ^R	1,358 ^R	2,132 ^R	1,380
Other	1	-	-	14	9	8	23	28
Total	125,132 ^R	124,203 ^R	128,860 ^R	124,520 ^R	133,155 ^R	130,306 ^R	131,714 ^R	128,758

R = Revised.

* = 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 *).

- (dash) = Data not available.

Source: Calculations made by the Electric Power Division, U. S. Energy Information Administration.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1998 and 2002 Through 2008

Sector	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Ohio										
Retail Sales (thousand megawatthours)										
Residential	44,516	50,864	49,621	50,300	53,904	51,375	54,376	53,411	27.9	33.5
Commercial	38,472	39,924	44,737	45,313	46,870	46,141	48,129	47,310	24.1	29.7
Industrial	72,998	58,472	57,828	58,558	59,354	55,869	59,219	58,621	45.7	36.8
Other	3,807	4,148	NA	NA	NA	NA	NA	NA	2.4	--
Transportation.....	NA	NA	5	49	48	44	48	47	--	*
All Sectors	159,793	153,407	152,189	154,221	160,176	153,429	161,771	159,389	100.0	100.0
Retail Revenue (million dollars).....										
Residential	3,875	4,193	4,100	4,251	4,586	4,801	5,204	5,371	38.0	40.2
Commercial	2,950	3,119	3,377	3,510	3,716	3,893	4,175	4,364	28.9	32.6
Industrial	3,142	2,845	2,768	2,864	3,029	3,133	3,413	3,629	30.8	27.1
Other	231	225	NA	NA	NA	NA	NA	NA	2.3	--
Transportation.....	NA	NA	*	5	4	4	5	5	--	*
All Sectors	10,198	10,383	10,246	10,629	11,336	11,831	12,797	13,369	100.0	100.0
Average Retail Prices (cents/kWh)										
Residential	8.70	8.24	8.26	8.45	8.51	9.34	9.57	10.06	--	--
Commercial	7.67	7.81	7.55	7.75	7.93	8.44	8.67	9.22	--	--
Industrial	4.30	4.87	4.79	4.89	5.10	5.61	5.76	6.19	--	--
Other	6.07	5.42	NA	NA	NA	NA	NA	NA	--	--
Transportation.....	NA	NA	6.17	9.21	9.03	10.13	9.98	10.68	--	--
All Sectors	6.38	6.77	6.73	6.89	7.08	7.71	7.91	8.39	--	--

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

* = 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 *).

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 9. Retail Electricity Sales Statistics, 2008

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Ohio								
Number of Entities.....	8	85	NA	25	2	6	6	132
Number of Retail Customers	4,493,586	376,071	NA	379,187	2	276,740	NA	5,525,586
Retail Sales (thousand megawatthours).....	129,394	10,176	NA	7,893	168	11,757	NA	159,389
Percentage of Retail Sales	81.18	6.38	--	4.95	0.11	7.38	--	100.00
Revenue from Retail Sales (million dollars)	10,776	880	NA	687	15	592	420	13,369
Percentage of Revenue	80.60	6.58	--	5.14	0.11	4.42	3.14	100.00
Average Retail Price (cents/kWh).....	8.33	8.65	NA	8.71	8.70	5.03	3.57	8.39

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Totals may not equal sum of components because of independent rounding. 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.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 10. Supply and Disposition of Electricity, 1998 and 2002 Through 2008
(Million Kilowatthours)

Category	1998	2002	2003	2004	2005	2006	2007	2008
Ohio								
Supply								
Generation								
Electric Utilities	146,448	139,904	139,086	142,305	102,751	98,159	100,536	98,397
Independent Power Producers	-	6,421	6,124	4,699	52,817	55,836	53,366	53,646
Combined Heat and Power, Electric	155	302	382	319	328	322	350	298
Electric Power Sector Generation Subtotal	146,603	146,627	145,591	147,324	155,896	154,317	154,252	152,341
Combined Heat and Power, Commercial	51	7	6	*	*	-	-	-
Combined Heat and Power, Industrial	1,286	434	1,041	1,022	1,080	1,117	903	1,072
Industrial and Commercial Generation Subtotal	1,337	442	1,047	1,022	1,080	1,117	903	1,072
Total Net Generation	147,940	147,069	146,638	148,346	156,976	155,434	155,156	153,412
Total International Imports	-	*	2	3	49	844	361	-
Total Supply	147,940	147,069	146,640	148,349	157,025	156,278	155,517	153,412
Disposition								
Retail Sales								
Full Service Providers	159,793	132,971	127,119	126,207	133,461	140,259	148,928	147,464
Energy-Only Providers	-	20,436	24,940	27,882	26,716	13,170	12,843	11,757
Facility Direct Retail Sales ¹	-	-	130	132	-	-	-	168
Total Electric Industry Retail Sales	159,793	153,407	152,189	154,221	160,176	153,429	161,771	159,389
Direct Use	1,455	1,468	1,486	1,488	1,265	1,296	1,091	1,228
Total International Exports	-	4	14	68	397	225	55	-
Estimated Losses	10,821	9,788	8,976^R	12,723^R	10,533^R	11,075	10,899	10,278
Total Disposition	172,070	164,667	162,666^R	168,500^R	172,370^R	166,025	173,816	170,895
Net Interstate Trade ²	-24,130	-17,598	-16,026^R	-20,151^R	-15,345^R	-9,746	-18,300	-17,483
Net Trade Index (ratio) ³	0.86	0.89	0.90	0.88	0.91	0.94	0.89	0.90

¹ Facility Direct Retail Sales are electricity sales from non utility power producers which reported electricity sales to a retail customer.

² Net Interstate Trade is the difference between Total Supply and Total Disposition.

³ Net Trade Index is the ratio of Total Supply to Total Disposition.

R = Revised.

* = 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 *).

- (dash) = Data not available.

Notes: Totals may not equal sum of components because of independent rounding. 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. 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.

Sources: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms. U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry 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.

Table 1. 2008 Summary Statistics

Item	Value	U.S. Rank
Oklahoma		
NERC Region(s).....		SPP
Primary Energy Source.....		Coal
Net Summer Capacity (megawatts)	20,262	20
Electric Utilities.....	15,913	17
Independent Power Producers & Combined Heat and Power.....	4,348	22
Net Generation (megawatthours).....	76,328,908	21
Electric Utilities.....	60,074,823	17
Independent Power Producers & Combined Heat and Power.....	16,254,086	22
Emissions (thousand metric tons)		
Sulfur Dioxide	98	21
Nitrogen Oxide	79	15
Carbon Dioxide.....	53,145	18
Sulfur Dioxide (lbs/MWh)	2.8	31
Nitrogen Oxide (lbs/MWh)	2.3	19
Carbon Dioxide (lbs/MWh).....	1,535	17
Total Retail Sales (megawatthours)	56,278,866	25
Full Service Provider Sales (megawatthours)	56,278,866	24
Direct Use (megawatthours)	2,169,023	20
Average Retail Price (cents/kWh).....	7.81	34

MWh = Megawatthours.

kWh = Kilowatthours.

Sources: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 2. Ten Largest Plants by Generating Capacity, 2008

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
Oklahoma			
1. Northeastern.....	Coal	Public Service Co of Oklahoma	1,815
2. Muskogee.....	Coal	Oklahoma Gas & Electric Co	1,667
3. Seminole	Gas	Oklahoma Gas & Electric Co	1,477
4. Kiamichi Energy Facility	Gas	Kiowa Power Partners LLC	1,178
5. Redbud Power Plant	Gas	Oklahoma Gas & Electric Co	1,144
6. Oneta Energy Center	Gas	Calpine Central L P	1,086
7. Riverside	Gas	Public Service Co of Oklahoma	1,070
8. Sooner.....	Coal	Oklahoma Gas & Electric Co	1,046
9. GRDA.....	Coal	Grand River Dam Authority	1,010
10. Horseshoe Lake	Gas	Oklahoma Gas & Electric Co	870

MW = Megawatt.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2008
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
1. Oklahoma Gas & Electric Co	Investor-Owned	22,666,767	8,233,221	8,601,175	5,832,371	-
2. Public Service Co of Oklahoma	Investor-Owned	17,753,458	5,996,759	6,205,531	5,551,168	-
3. Oklahoma Electric Coop Inc	Cooperative	1,022,944	681,730	217,485	123,729	-
4. City of Edmond	Public	787,487	452,549	320,945	13,993	-
5. Grand River Dam Authority	Public	686,806	-	5,969	680,837	-
Total Sales, Top Five Providers		42,917,462	15,364,259	15,351,105	12,202,098	-
Percent of Total State Sales		76	70	81	79	-

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatts)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Oklahoma										
Electric Utilities.....	12,622	13,387	13,463	13,550	13,992	14,648	14,495	15,913	94.3	78.5
Coal.....	4,837	4,896	4,941	4,949	4,964	4,981	4,975	4,912	36.1	24.2
Petroleum.....	61	60	62	68	68	72	68	69	0.5	0.3
Natural Gas.....	6,634	7,314	7,340	7,427	7,899	8,364	8,221	9,701	49.5	47.9
Other Gases.....	55	61	61	58	-	-	-	-	0.4	-
Hydroelectric.....	775	796	800	788	800	851	851	851	5.8	4.2
Other Renewables.....	-	-	-	-	-	120	120	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	767	2,845	4,776	5,847	5,782	5,437	5,467	4,348	5.7	21.5
Coal.....	434	391	391	391	391	391	390	390	3.2	1.9
Petroleum.....	-	2	2	2	2	2	2	2	-	*
Natural Gas.....	240	2,360	4,111	5,182	4,836	4,491	4,427	3,284	1.8	16.2
Other Gases.....	17	17	17	17	-	-	-	6	0.1	*
Other Renewables.....	76	76	255	255	553	553	647	666	0.6	3.3
Total Electric Industry.....	13,389	16,232	18,238	19,397	19,773	20,085	19,962	20,262	100.0	100.0
Coal.....	5,271	5,287	5,332	5,340	5,355	5,372	5,364	5,302	39.4	26.2
Petroleum.....	61	62	64	70	71	75	70	71	0.5	0.4
Natural Gas.....	6,873	9,673	11,451	12,609	12,735	12,854	12,649	12,985	51.3	64.1
Other Gases.....	72	78	78	75	-	-	-	6	0.5	*
Hydroelectric.....	775	796	800	788	800	851	851	851	5.8	4.2
Other Renewables.....	76	76	255	255	553	673	767	786	0.6	3.9
Pumped Storage.....	260	260	260	260	260	260	260	260	1.9	1.3

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatthours)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Oklahoma										
Electric Utilities.....	51,454,036	51,218,320	49,776,514	48,298,390	54,250,814	51,917,155	54,177,692	60,074,823	91.5	78.7
Coal.....	31,026,837	33,444,114	34,200,128	31,240,478	33,604,628	32,324,391	31,610,751	33,625,415	55.2	44.1
Petroleum.....	7,541	10,311	111,555	21,008	13,181	24,187	139,391	12,600	*	*
Natural Gas.....	16,999,645	15,953,919	13,872,606	14,294,108	18,156,469	19,058,314	19,169,706	22,363,598	30.2	29.3
Hydroelectric.....	3,508,748	1,987,844	1,798,412	2,976,676	2,630,361	623,579	3,065,862	3,811,273	6.2	5.0
Other Renewables.....	-	-	-	-	-	3,157	357,826	429,535	-	0.6
Pumped Storage.....	-88,735	-177,868	-206,187	-233,879	-153,825	-116,473	-165,844	-167,598	-0.2	-0.2
Independent Power Producers and Combined Heat and Power.....	4,775,207	7,965,099	10,850,342	12,431,170	14,357,013	18,697,725	18,641,403	16,254,086	8.5	21.3
Coal.....	3,197,193	2,520,664	2,476,198	2,560,908	2,703,928	2,707,632	2,827,186	2,689,503	5.7	3.5
Petroleum.....	6,351	39,560	49,655	47,305	57,161	39,563	21,097	9,935	*	*
Natural Gas.....	1,301,773	5,095,120	7,950,090	8,991,471	10,433,751	13,922,376	13,974,205	11,410,569	2.3	14.9
Other Gases.....	49,819	70,710	45,408	-	18,838	16,143	22,474	10,219	0.1	*
Other Renewables.....	220,071	239,045	321,593	822,619	1,137,021	2,006,567	1,771,172	2,121,169	0.4	2.8
Other.....	-	-	7,398	8,867	6,314	5,445	25,269	12,691	-	*
Total Electric Industry.....	56,229,243	59,183,419	60,626,856	60,729,560	68,607,827	70,614,880	72,819,095	76,328,908	100.0	100.0
Coal.....	34,224,030	35,964,778	36,676,326	33,801,386	36,308,556	35,032,023	34,437,937	36,314,917	60.9	47.6
Petroleum.....	13,892	49,871	161,210	68,312	70,342	63,750	160,488	22,536	*	*
Natural Gas.....	18,301,418	21,049,039	21,822,696	23,285,579	28,590,220	32,980,690	33,143,911	33,774,167	32.5	44.2
Other Gases.....	49,819	70,710	45,408	-	18,838	16,143	22,474	10,219	0.1	*
Hydroelectric.....	3,508,748	1,987,844	1,798,412	2,976,676	2,630,361	623,579	3,065,862	3,811,273	6.2	5.0
Other Renewables.....	220,071	239,045	321,593	822,619	1,137,021	2,009,724	2,128,998	2,550,704	0.4	3.3
Pumped Storage.....	-88,735	-177,868	-206,187	-233,879	-153,825	-116,473	-165,844	-167,598	-0.2	-0.2
Other.....	-	-	7,398	8,867	6,314	5,445	25,269	12,691	-	*

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1998 and 2002 Through 2008

Fuel, Quality	1998	2002	2003	2004	2005	2006	2007	2008
Oklahoma								
Coal (cents per million Btu)	91	W	W	W	W	W	W	W
Average heat value (Btu per pound).....	8,651	8,836	8,872	8,854	8,765	8,747	8,735	8,689
Average sulfur Content (percent).....	0.30	0.39	0.41	0.40	0.41	0.42	0.41	0.36
Petroleum (cents per million Btu) ¹	292	484	548	609	1,199	1,331	W	W
Average heat value (Btu per gallon).....	141,967	142,181	142,205	145,071	140,674	151,336	146,952	145,274
Average sulfur Content (percent).....	0.07	0.05	0.45	0.56	0.30	0.42	1.49	2.38
Natural Gas (cents per million Btu).....	241	344	542	594	802	640	650	793
Average heat value (Btu per cubic foot).....	1,030	1,030	1,031	1,031	1,030	1,028	1,029	1,032

¹ Petroleum includes petroleum liquids and petroleum coke.
Btu = British thermal unit.

W = Withheld to avoid disclosure of individual company data.

Note: Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. There may be a notable increase in fuel receipts beginning with 2008. For more information, please see the Technical Notes in the Electric Power Annual.

Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report." Federal Energy Regulatory Commission, FERC Form 423, "Monthly Cost and Quality of Fuels for Electric Plants." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 7. Electric Power Industry Emissions Estimates, 1998 and 2002 Through 2008
(Thousand Metric Tons)

Emission Type	1998	2002	2003	2004	2005	2006	2007	2008
Oklahoma								
Sulfur Dioxide								
Coal.....	99	105	107	99	102	104	98	98
Petroleum.....	*	1	1	2	2	2	2	*
Natural Gas.....	*	*	*	*	*	*	1	*
Other Gases.....	*	*	-	-	-	*	*	*
Other Renewables.....	3	3	3	3	3	3	3	*
Other.....	R	*	*	*	*	*	*	-
Total.....	102	109	111	103	106	110	104	98
Nitrogen Oxide								
Coal.....	70	61	65	60	64	61	56	56
Petroleum.....	2	*	1	*	*	1	1	*
Natural Gas.....	23	24	19	16	19	21	20	23
Other Gases.....	*	*	*	*	*	*	*	1
Other Renewables.....	1	1	1	1	1	1	1	*
Other.....	R	*	*	*	*	*	*	-
Total.....	96	86	86	77	84	84	78	79
Carbon Dioxide								
Coal.....	34,863 ^R	37,207 ^R	37,301 ^R	35,271 ^R	37,669 ^R	36,467 ^R	35,442 ^R	37,270
Petroleum.....	41 ^R	166 ^R	268 ^R	240 ^R	243 ^R	186 ^R	217 ^R	27
Natural Gas.....	10,618 ^R	11,249 ^R	11,414 ^R	11,763 ^R	13,874 ^R	15,907 ^R	16,096 ^R	15,844
Other Renewables.....	2 ^R	-	-	-	-	-	-	-
Other.....	R	-	-	128 ^R	115 ^R	130 ^R	71	4
Total.....	45,522 ^R	48,622 ^R	48,982 ^R	47,402 ^R	51,901 ^R	52,689 ^R	51,826 ^R	53,145

R = Revised.

* = 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 *).

- (dash) = Data not available.

Source: Calculations made by the Electric Power Division, U. S. Energy Information Administration.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1998 and 2002 Through 2008

Sector	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Oklahoma										
Retail Sales (thousand megawatthours)										
Residential	19,511	19,927	20,162	19,699	21,309	21,690	21,361	21,861	40.7	38.8
Commercial	12,459	13,097	16,958	17,020	17,477	18,197	18,634	19,022	26.0	33.8
Industrial	13,175	12,898	13,308	14,223	14,920	15,018	15,198	15,395	27.5	27.4
Other	2,752	3,564	NA	NA	NA	NA	NA	NA	5.7	--
All Sectors	47,897	49,485	50,428	50,942	53,707	54,905	55,193	56,279	100.0	100.0
Retail Revenue (million dollars)										
Residential	1,282	1,341	1,507	1,520	1,695	1,854	1,834	1,987	49.3	45.2
Commercial	705	753	1,083	1,116	1,223	1,336	1,367	1,499	27.1	34.1
Industrial	481	491	611	677	762	819	823	908	18.5	20.7
Other	134	180	NA	NA	NA	NA	NA	NA	5.2	--
All Sectors	2,602	2,765	3,201	3,313	3,680	4,010	4,023	4,394	100.0	100.0
Average Retail Prices (cents/kWh)										
Residential	6.57	6.73	7.47	7.72	7.95	8.55	8.58	9.09	--	--
Commercial	5.66	5.75	6.38	6.55	7.00	7.34	7.33	7.88	--	--
Industrial	3.65	3.81	4.59	4.76	5.11	5.46	5.41	5.90	--	--
Other	4.88	5.06	NA	NA	NA	NA	NA	NA	--	--
All Sectors	5.43	5.59	6.35	6.50	6.85	7.30	7.29	7.81	--	--

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 9. Retail Electricity Sales Statistics, 2008

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Oklahoma								
Number of Entities	3	62	1	31	1	NA	NA	98
Number of Retail Customers	1,233,469	194,895	1	486,958	1	NA	NA	1,915,324
Retail Sales (thousand megawatthours)	40,574	4,836	8	10,722	138	NA	NA	56,279
Percentage of Retail Sales	72.10	8.59	0.01	19.05	0.25	--	--	100.00
Revenue from Retail Sales (million dollars)	3,059	362	*	962	10	NA	NA	4,394
Percentage of Revenue	69.63	8.24	0.01	21.90	0.22	--	--	100.00
Average Retail Price (cents/kWh)	7.54	7.48	3.99	8.97	7.12	NA	NA	7.81

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

* = 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 *).

Notes: Totals may not equal sum of components because of independent rounding. 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.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 10. Supply and Disposition of Electricity, 1998 and 2002 Through 2008
(Million Kilowatthours)

Category	1998	2002	2003	2004	2005	2006	2007	2008
Oklahoma								
Supply								
Generation								
Electric Utilities	51,454	51,218	49,777	48,298	54,251	51,917	54,178	60,075
Independent Power Producers	-	3,970	4,247	8,913	10,282	14,784	14,871	12,651
Combined Heat and Power, Electric	3,539	2,622	5,217	2,256	2,822	2,642	2,854	2,682
Electric Power Sector Generation Subtotal	54,993	57,810	59,240	59,467	67,355	69,344	71,902	75,409
Combined Heat and Power, Commercial	36	27	28	18	19	25	26	24
Combined Heat and Power, Industrial.....	1,200	1,346	1,358	1,245	1,234	1,246	891	896
Industrial and Commercial Generation Subtotal	1,236	1,373	1,387	1,262	1,253	1,271	917	920
Total Net Generation	56,229	59,183	60,627	60,730	68,608	70,615	72,819	76,329
Total Supply	56,229	59,183	60,627	60,730	68,608	70,615	72,819	76,329
Disposition								
Retail Sales								
Full Service Providers	47,897	49,485	50,288	50,811	53,571	54,771	55,061	56,140
Facility Direct Retail Sales ¹	-	-	140	131	136	134	133	138
Total Electric Industry Retail Sales	47,897	49,485	50,428	50,942	53,707	54,905	55,193	56,279
Direct Use	1,141	1,138	1,153	1,154	953	987	1,414	2,169
Total International Exports	-	-	-	*	*	-	-	-
Estimated Losses	3,244	4,609	3,526^R	3,433^R	4,221^R	4,715	5,054	4,784
Total Disposition	52,282	55,233	55,106^R	55,529^R	58,881^R	60,607	61,661	63,232
Net Interstate Trade ²	3,948	3,951	5,520^R	5,201^R	9,726^R	10,007	11,158	13,097
Net Trade Index (ratio) ³	1.08	1.07	1.10	1.09	1.17	1.17	1.18	1.21

¹ Facility Direct Retail Sales are electricity sales from non utility power producers which reported electricity sales to a retail customer.

² Net Interstate Trade is the difference between Total Supply and Total Disposition.

³ Net Trade Index is the ratio of Total Supply to Total Disposition.

R = Revised.

* = 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 *).

- (dash) = Data not available.

Notes: Totals may not equal sum of components because of independent rounding. 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. 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.

Sources: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms. U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry 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.

Table 1. 2008 Summary Statistics

Item	Value	U.S. Rank
Oregon		
NERC Region(s).....		WECC
Primary Energy Source.....		Hydroelectric
Net Summer Capacity (megawatts)	13,328	30
Electric Utilities.....	10,491	26
Independent Power Producers & Combined Heat and Power.....	2,838	31
Net Generation (megawatthours).....	58,718,438	25
Electric Utilities.....	44,590,530	24
Independent Power Producers & Combined Heat and Power.....	14,127,908	24
Emissions (thousand metric tons)		
Sulfur Dioxide	12	42
Nitrogen Oxide.....	14	42
Carbon Dioxide.....	10,793	40
Sulfur Dioxide (lbs/MWh)	0.4	46
Nitrogen Oxide (lbs/MWh)	0.5	49
Carbon Dioxide (lbs/MWh).....	405	48
Total Retail Sales (megawatthours).....	49,187,475	28
Full Service Provider Sales (megawatthours)	46,669,351	27
Deregulated Sales (megawatthours)	2,518,124	15
Direct Use (megawatthours)	1,460,137	23
Average Retail Price (cents/kWh).....	7.23	39

MWh = Megawatthours.

kWh = Kilowatthours.

Sources: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 2. Ten Largest Plants by Generating Capacity, 2008

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	493
8. Klamath Cogeneration Plant.....	Gas	Pacific Klamath Energy Inc	470
9. Hermiston Generating Plant	Gas	Hermiston Generating Co LP	464
10. Port Westward	Gas	Portland General Electric Co	392

MW = Megawatt.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2008
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
Oregon						
1. Portland General Electric Co.....	Investor-Owned	17,575,806	7,877,596	7,138,096	2,554,671	5,443
2. PacifiCorp.....	Investor-Owned	14,018,765	5,806,624	5,024,464	3,174,080	13,597
3. Eugene City of.....	Public	2,625,659	1,030,091	924,804	670,764	-
4. Sempra Energy Solutions.....	Other Provider	2,245,686	-	2,141,984	103,702	-
5. Central Lincoln People's Ut Dt.....	Public	1,268,171	454,140	204,736	609,295	-
Total Sales, Top Five Providers.....		37,734,087	15,168,451	15,434,084	7,112,512	19,040
Percent of Total State Sales.....		77	76	95	55	100

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatts)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Oregon										
Electric Utilities.....	10,449	10,348	10,338	9,555	9,839	9,971	10,502	10,491	92.2	78.7
Coal.....	528	557	556	556	585	585	585	585	4.7	4.4
Natural Gas.....	849	753	725	725	967	962	1,354	1,364	7.5	10.2
Hydroelectric.....	9,032	9,033	9,020	8,239	8,281	8,319	8,329	8,308	79.7	62.3
Other Renewables.....	40	6	37	35	5	106	235	235	0.4	1.8
Independent Power Producers and Combined Heat and Power.....	885	2,137	2,545	2,538	2,360	2,362	2,707	2,838	7.8	21.3
Coal.....	13	10	10	10	-	-	-	-	0.1	-
Natural Gas.....	584	1,720	2,053	2,047	1,803	1,803	1,747	1,704	5.2	12.8
Hydroelectric.....	96	55	92	91	55	55	57	57	0.8	0.4
Other Renewables.....	192	352	390	390	502	504	903	1,077	1.7	8.1
Total Electric Industry.....	11,335	12,485	12,883	12,093	12,198	12,333	13,209	13,328	100.0	100.0
Coal.....	541	567	566	566	585	585	585	585	4.8	4.4
Natural Gas.....	1,433	2,472	2,778	2,771	2,770	2,764	3,101	3,068	12.6	23.0
Hydroelectric.....	9,128	9,089	9,112	8,330	8,336	8,374	8,385	8,364	80.5	62.8
Other Renewables.....	232	357	427	426	508	610	1,138	1,312	2.0	9.8

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatthours)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Oregon										
Electric Utilities.....	46,352,310	39,731,986	38,577,937	39,092,958	37,407,039	43,068,822	43,202,516	44,590,530	90.6	75.9
Coal.....	3,348,089	3,768,531	4,285,697	3,535,764	3,463,644	2,370,628	4,351,624	4,044,319	6.5	6.9
Petroleum.....	33,127	5,893	44,035	20,305	47,427	4,323	5,044	9,974	0.1	*
Natural Gas.....	3,466,916	1,799,217	1,232,518	2,605,531	3,097,591	2,988,707	5,137,296	6,159,726	6.8	10.5
Hydroelectric.....	39,504,178	34,158,327	32,980,206	32,896,035	30,765,882	37,603,801	33,367,317	33,557,956	77.2	57.2
Other Renewables.....	-	18	35,481	35,323	32,495	101,363	341,235	818,555	-	1.4
Independent Power Producers and Combined Heat and Power.....	4,796,174	7,367,382	10,388,202	12,288,320	11,917,964	10,271,873	11,875,278	14,127,908	9.4	24.1
Coal.....	26,533	11,153	19,151	19,897	2,842	-	-	-	0.1	-
Petroleum.....	505	811	61	42,628	30,760	7,497	9,243	4,819	*	*
Natural Gas.....	3,783,149	6,013,676	9,011,178	10,919,652	10,093,405	8,249,935	9,720,371	11,227,435	7.4	19.1
Hydroelectric.....	397,989	254,840	270,126	184,784	182,463	246,496	220,122	247,068	0.8	0.4
Other Renewables.....	587,998	1,048,773	1,047,116	1,079,781	1,568,017	1,727,625	1,887,058	2,604,543	1.1	4.4
Other.....	-	38,129	40,569	41,579	40,477	40,320	38,483	44,042	-	0.1
Total Electric Industry.....	51,148,484	47,099,368	48,966,139	51,381,278	49,325,003	53,340,695	55,077,794	58,718,438	100.0	100.0
Coal.....	3,374,622	3,779,684	4,304,848	3,555,661	3,466,486	2,370,628	4,351,624	4,044,319	6.6	6.9
Petroleum.....	33,632	6,704	44,096	62,933	78,187	11,820	14,287	14,793	0.1	*
Natural Gas.....	7,250,065	7,812,893	10,243,696	13,525,183	13,190,996	11,238,642	14,857,668	17,387,162	14.2	29.6
Hydroelectric.....	39,902,167	34,413,167	33,250,332	33,080,819	30,948,345	37,850,297	33,587,439	33,805,024	78.0	57.6
Other Renewables.....	587,998	1,048,791	1,082,597	1,115,104	1,600,512	1,828,988	2,228,293	3,423,099	1.1	5.8
Other.....	-	38,129	40,569	41,579	40,477	40,320	38,483	44,042	-	0.1

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1998 and 2002 Through 2008

Fuel, Quality	1998	2002	2003	2004	2005	2006	2007	2008
Oregon								
Coal (cents per million Btu)	109	133	125	118	128	130	138	145
Average heat value (Btu per pound).....	8,685	8,695	8,516	8,402	8,356	8,321	8,360	8,339
Average sulfur Content (percent)	0.32	0.31	0.29	0.33	0.32	0.37	0.31	0.28
Petroleum (cents per million Btu) ¹	332	572	787	870	1,217	1,406	1,619	W
Average heat value (Btu per gallon).....	140,000	140,000	138,490	141,074	139,760	139,205	143,000	NM
Average sulfur Content (percent)	0.05	0.05	0.20	0.14	0.08	0.17	0.10	NM
Natural Gas (cents per million Btu).....	154	328	437	500	662	600	607	705
Average heat value (Btu per cubic foot).....	1,011	1,019	1,022	1,021	1,021	1,021	1,023	1,021

¹ Petroleum includes petroleum liquids and petroleum coke.

Btu = British thermal unit.

NM = Not meaningful due to large relative standard error. Please see Technical Notes and Appendix tables published in the Cost and Quality of Fuels.

W = Withheld to avoid disclosure of individual company data.

Note: Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. There may be a notable increase in fuel receipts beginning with 2008. For more information, please see the Technical Notes in the Electric Power Annual.

Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report." Federal Energy Regulatory Commission, FERC Form 423, "Monthly Cost and Quality of Fuels for Electric Plants." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 7. Electric Power Industry Emissions Estimates, 1998 and 2002 Through 2008
(Thousand Metric Tons)

Emission Type	1998	2002	2003	2004	2005	2006	2007	2008
Oregon								
Sulfur Dioxide								
Coal.....	13	11	12	12	11	8	13	10
Petroleum.....	*	*	*	*	*	*	*	*
Natural Gas.....	*	*	*	*	*	*	*	*
Other Renewables.....	2	3	3	2	3	3	3	1
Other.....	^R	*	*	*	*	*	*	-
Total.....	14	14	15	14	14	11	16	12
Nitrogen Oxide								
Coal.....	8	8	9	7	8	5	10	8
Petroleum.....	*	*	*	*	*	*	*	*
Natural Gas.....	4	2	3	4	4	5	6	4
Other Renewables.....	^{2R}	1	2	2	2	2	2	2
Other.....	^R	*	*	*	*	*	*	-
Total.....	13	11	14	13	14	12	17	14
Carbon Dioxide								
Coal.....	3,549 ^R	3,617 ^R	4,290 ^R	3,493 ^R	3,433 ^R	2,338 ^R	4,161 ^R	3,832
Petroleum.....	27	9	43 ^R	71	88 ^R	16	20	20
Natural Gas.....	3,281 ^R	3,493 ^R	4,436 ^R	5,596 ^R	5,474 ^R	4,714 ^R	6,383 ^R	6,871
Other Renewables.....	71 ^R	-	-	-	-	-	-	-
Other.....	^R	67 ^R	70 ^R	68 ^R	34	68	69 ^R	70
Total.....	6,928 ^R	7,186 ^R	8,838 ^R	9,228 ^R	9,029 ^R	7,136 ^R	10,633 ^R	10,793

R = Revised.

* = 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 *).

- (dash) = Data not available.

Source: Calculations made by the Electric Power Division, U. S. Energy Information Administration.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1998 and 2002 Through 2008

Sector	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Oregon										
Retail Sales (thousand megawatthours)										
Residential	17,529	17,554	17,736	18,001	18,339	18,978	19,374	19,910	37.4	40.5
Commercial	14,324	14,902	15,483	15,667	15,380	16,083	16,187	16,313	30.5	33.2
Industrial	14,640	12,296	11,961	11,954	12,684	12,991	13,117	12,945	31.2	26.3
Other	414	503	NA	NA	NA	NA	NA	NA	0.9	--
Transportation.....	NA	NA	15	16	17	18	18	19	--	*
All Sectors	46,907	45,255	45,195	45,636	46,419	48,069	48,697	49,187	100.0	100.0
Retail Revenue (million dollars).....										
Residential	1,022	1,249	1,252	1,293	1,330	1,419	1,586	1,691	44.4	47.5
Commercial	722	982	988	1,010	1,001	1,088	1,165	1,190	31.4	33.5
Industrial	528	581	554	529	613	630	664	674	23.0	19.0
Other	28	48	NA	NA	NA	NA	NA	NA	1.2	--
Transportation.....	NA	NA	1	1	1	1	1	1	--	*
All Sectors	2,299	2,859	2,795	2,833	2,945	3,139	3,416	3,556	100.0	100.0
Average Retail Prices (cents/kWh)										
Residential	5.82	7.12	7.06	7.18	7.25	7.48	8.19	8.49	--	--
Commercial	5.00	6.59	6.38	6.45	6.51	6.77	7.20	7.29	--	--
Industrial	3.50	4.72	4.63	4.43	4.83	4.85	5.06	5.21	--	--
Other	6.67	9.44	NA	NA	NA	NA	NA	NA	--	--
Transportation.....	NA	NA	6.68	6.50	6.36	6.40	6.71	6.75	--	--
All Sectors	4.90	6.32	6.18	6.21	6.34	6.53	7.02	7.23	--	--

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

* = 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 *).

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 9. Retail Electricity Sales Statistics, 2008

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Number of Entities.....	3	18	1	19	1	3	2	47
Number of Retail Customers	1,382,254	292,469	1	198,380	1	457	NA	1,873,562
Retail Sales (thousand megawatthours).....	32,265	9,645	4	4,746	11	2,518	NA	49,187
Percentage of Retail Sales	65.60	19.61	0.01	9.65	0.02	5.12	--	100.00
Revenue from Retail Sales (million dollars)	2,505	539	*	325	*	164	22	3,556
Percentage of Revenue	70.45	15.17	*	9.14	0.01	4.62	0.61	100.00
Average Retail Price (cents/kWh).....	7.76	5.59	3.42	6.85	4.37	6.53	0.86	7.23

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

* = 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 *).

Notes: Totals may not equal sum of components because of independent rounding. 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.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 10. Supply and Disposition of Electricity, 1998 and 2002 Through 2008
(Million Kilowatthours)

Category	1998	2002	2003	2004	2005	2006	2007	2008
Oregon								
Supply								
Generation								
Electric Utilities	46,352	39,732	38,578	39,093	37,407	43,069	43,203	44,591
Independent Power Producers	510	718	4,003	4,801	4,493	4,055	4,269	5,801
Combined Heat and Power, Electric	3,686	5,842	5,358	5,891	5,947	4,831	6,181	6,952
Electric Power Sector Generation Subtotal	50,549	46,292	47,939	49,785	47,847	51,955	53,653	57,344
Combined Heat and Power, Commercial	5	6	9	6	5	4	17	26
Combined Heat and Power, Industrial.....	594	802	1,018	1,591	1,473	1,382	1,408	1,348
Industrial and Commercial Generation Subtotal	599	808	1,027	1,596	1,478	1,386	1,425	1,375
Total Net Generation	51,148	47,099	48,966	51,381	49,325	53,341	55,078	58,718
Total International Imports	704	1,477	284	2,523	521	456	1,441	597
Total Supply	51,853	48,576	49,251	53,904	49,846	53,797	56,519	59,315
Disposition								
Retail Sales								
Full Service Providers	45,083	45,255	45,195	44,791	44,865	46,962	46,428	46,659
Energy-Only Providers.....	1,824	-	-	845	1,555	1,107	2,269	2,518
Facility Direct Retail Sales ¹	-	-	-	-	-	-	-	11
Total Electric Industry Retail Sales	46,907	45,255	45,195	45,636	46,419	48,069	48,697	49,187
Direct Use	627	682	691	691	1,266	1,419	1,531	1,460
Total International Exports	113	9	6	77	445	470	207	272
Estimated Losses	3,177	2,857	2,594^R	2,883^R	3,227^R	3,570	3,356	3,184
Total Disposition	50,824	48,803	48,485^R	49,289^R	51,358^R	53,528	53,791	54,104
Net Interstate Trade ²	1,029	-226	765^R	4,615^R	-1,511^R	269	2,728	5,211
Net Trade Index (ratio) ³	1.02	1.00	1.02	1.09	0.97	1.01	1.05	1.10

¹ Facility Direct Retail Sales are electricity sales from non utility power producers which reported electricity sales to a retail customer.

² Net Interstate Trade is the difference between Total Supply and Total Disposition.

³ Net Trade Index is the ratio of Total Supply to Total Disposition.

R = Revised.

- (dash) = Data not available.

Notes: Totals may not equal sum of components because of independent rounding. 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. 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.

Sources: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms. U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry 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.

Table 1. 2008 Summary Statistics

Item	Value	U.S. Rank
Pennsylvania		
NERC Region(s).....		RFC
Primary Energy Source.....		Coal
Net Summer Capacity (megawatts)	45,130	4
Electric Utilities.....	455	44
Independent Power Producers & Combined Heat and Power.....	44,675	2
Net Generation (megawatthours).....	222,350,925	2
Electric Utilities.....	1,224,597	42
Independent Power Producers & Combined Heat and Power.....	221,126,328	2
Emissions (thousand metric tons)		
Sulfur Dioxide	780	1
Nitrogen Oxide.....	181	4
Carbon Dioxide.....	123,855	4
Sulfur Dioxide (lbs/MWh)	7.7	8
Nitrogen Oxide (lbs/MWh)	1.8	28
Carbon Dioxide (lbs/MWh).....	1,228	32
Total Retail Sales (megawatthours)	150,400,589	5
Full Service Provider Sales (megawatthours)	139,119,036	5
Deregulated Sales (megawatthours)	11,281,553	10
Direct Use (megawatthours)	4,646,627	10
Average Retail Price (cents/kWh).....	9.32	19

MWh = Megawatthours.

kWh = Kilowatthours.

Sources: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 2. Ten Largest Plants by Generating Capacity, 2008

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
Pennsylvania			
1. Bruce Mansfield	Coal	FirstEnergy Generation Corp	2,510
2. PPL Susquehanna	Nuclear	PPL Susquehanna LLC	2,325
3. Limerick.....	Nuclear	Exelon Nuclear	2,264
4. Peach Bottom.....	Nuclear	Exelon Nuclear	2,224
5. Homer City Station.....	Coal	Midwest Generations EME LLC	1,884
6. Beaver Valley	Nuclear	FirstEnergy Nuclear Operating Company	1,738
7. Keystone	Coal	RRI Energy NE Management Co	1,712
7. Conemaugh.....	Coal	RRI Energy NE Management Co	1,712
9. PPL Martins Creek	Petroleum	PPL Martins Creek LLC	1,702
10. Hatfields Ferry Power Station	Coal	Allegheny Energy Supply Co LLC	1,590

MW = Megawatt.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2008
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
Pennsylvania						
1. PECO Energy Co.....	Investor-Owned	38,957,435	13,286,797	8,401,705	16,530,042	738,891
2. PPL Electric Utilities Corp.....	Investor-Owned	37,991,277	14,411,852	14,006,013	9,481,064	92,348
3. West Penn Power Co.....	Investor-Owned	20,353,664	7,209,114	4,982,627	8,149,161	12,762
4. Metropolitan Edison Co.....	Investor-Owned	14,239,798	5,597,600	4,811,080	3,831,118	-
5. Pennsylvania Electric Co.....	Investor-Owned	13,850,913	4,526,431	5,210,323	4,114,159	-
Total Sales, Top Five Providers.....		125,393,087	45,031,794	37,411,748	42,105,544	844,001
Percent of Total State Sales.....		83	83	79	87	98

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatts)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Pennsylvania										
Electric Utilities.....	33,781	4,887	4,921	4,968	455	455	455	455	92.4	1.0
Coal.....	17,386	2,360	2,360	2,407	-	-	-	-	47.6	-
Petroleum.....	3,374	3	-	-	-	-	-	-	9.2	-
Natural Gas.....	2,016	4	30	30	30	30	30	30	5.5	0.1
Nuclear.....	9,035	1,641	1,652	1,652	-	-	-	-	24.7	-
Hydroelectric.....	621	444	444	444	425	425	425	425	1.7	0.9
Pumped Storage.....	1,349	435	435	435	-	-	-	-	3.7	-
Independent Power Producers and Combined Heat and Power.....	2,775	34,896	37,448	40,168	44,442	44,551	44,651	44,675	7.6	99.0
Coal.....	1,515	16,024	15,777	16,255	18,659	18,771	18,581	18,513	4.1	41.0
Petroleum.....	103	3,368	5,030	4,918	4,604	4,664	4,660	4,540	0.3	10.1
Natural Gas.....	640	6,218	7,053	9,354	9,371	9,319	9,380	9,477	1.7	21.0
Other Gases.....	119	105	110	110	110	110	100	94	0.3	0.2
Nuclear.....	-	7,486	7,523	7,577	9,195	9,234	9,305	9,337	-	20.7
Hydroelectric.....	84	307	307	307	322	322	323	326	0.2	0.7
Other Renewables.....	295	477	575	578	675	618	781	868	0.8	1.9
Pumped Storage.....	-	910	1,072	1,070	1,505	1,513	1,521	1,521	-	3.4
Other.....	20	-	-	-	-	-	-	-	0.1	-
Total Electric Industry.....	36,556	39,783	42,368	45,136	44,897	45,005	45,106	45,130	100.0	100.0
Coal.....	18,901	18,384	18,137	18,662	18,659	18,771	18,581	18,513	51.7	41.0
Petroleum.....	3,477	3,372	5,030	4,918	4,604	4,664	4,660	4,540	9.5	10.1
Natural Gas.....	2,656	6,223	7,083	9,384	9,400	9,349	9,410	9,507	7.3	21.1
Other Gases.....	119	105	110	110	110	110	100	94	0.3	0.2
Nuclear.....	9,035	9,127	9,175	9,229	9,195	9,234	9,305	9,337	24.7	20.7
Hydroelectric.....	705	751	751	751	748	748	748	751	1.9	1.7
Other Renewables.....	295	477	575	578	675	618	781	868	0.8	1.9
Pumped Storage.....	1,349	1,345	1,507	1,505	1,505	1,513	1,521	1,521	3.7	3.4
Other.....	20	-	-	-	-	-	-	-	0.1	-

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatthours)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Pennsylvania										
Electric Utilities.....	173,903,236	30,537,243	30,099,444	33,900,004	1,058,313	1,311,434	1,077,389	1,224,597	91.0	0.6
Coal.....	106,516,740	15,935,860	15,944,113	18,396,944	-	-	-	-	55.7	-
Petroleum.....	4,097,006	39,420	34,944	32,129	7,717	2,942	-	873	2.1	*
Natural Gas.....	572,172	1,934	2,857	25,316	34,394	13,923	-	24,676	0.3	*
Nuclear.....	61,149,224	13,594,705	12,619,098	13,993,379	-	-	-	-	32.0	-
Hydroelectric.....	2,027,827	1,166,959	1,745,193	1,666,727	1,016,202	1,294,569	1,077,389	1,199,048	1.1	0.5
Pumped Storage.....	-459,733	-201,635	-246,761	-214,491	-	-	-	-	-0.2	-
Independent Power Producers and Combined Heat and Power.....	17,288,282	173,785,635	176,250,070	180,758,497	217,032,812	217,500,161	225,010,951	221,126,328	9.0	99.4
Coal.....	9,870,415	97,970,580	100,065,761	98,778,839	120,933,254	122,557,903	122,693,094	117,583,412	5.2	52.9
Petroleum.....	409,723	2,693,525	4,500,393	4,109,684	4,931,845	1,515,515	1,484,074	937,051	0.2	0.4
Natural Gas.....	3,317,845	6,713,603	5,515,680	9,788,331	10,773,356	13,527,805	19,197,600	18,705,931	1.7	8.4
Other Gases.....	630,761	568,725	508,176	583,772	540,065	554,432	533,986	609,664	0.3	0.3
Nuclear.....	-	62,494,225	61,741,764	63,465,253	76,289,432	75,297,632	77,376,316	78,658,093	-	35.4
Hydroelectric.....	353,525	1,043,604	1,601,074	1,488,611	1,215,977	1,549,573	1,158,593	1,349,810	0.2	0.6
Other Renewables.....	2,665,241	2,062,494	2,097,618	2,275,653	2,329,308	2,472,946	2,546,196	2,803,776	1.4	1.3
Pumped Storage.....	-	-456,119	-492,233	-471,393	-711,041	-698,177	-722,855	-353,762	-	-0.2
Other.....	40,772	694,998	711,838	739,746	730,615	722,532	743,948	832,354	*	0.4
Total Electric Industry.....	191,191,518	204,322,878	206,349,514	214,658,501	218,091,125	218,811,595	226,088,340	222,350,925	100.0	100.0
Coal.....	116,387,155	113,906,440	116,009,874	117,175,783	120,933,254	122,557,903	122,693,094	117,583,412	60.9	52.9
Petroleum.....	4,506,729	2,732,945	4,535,337	4,141,813	4,939,562	1,518,457	1,484,074	937,924	2.4	0.4
Natural Gas.....	3,890,017	6,715,537	5,518,537	9,813,647	10,807,750	13,541,728	19,197,600	18,730,607	2.0	8.4
Other Gases.....	630,761	568,725	508,176	583,772	540,065	554,432	533,986	609,664	0.3	0.3
Nuclear.....	61,149,224	76,088,930	74,360,862	77,458,632	76,289,432	75,297,632	77,376,316	78,658,093	32.0	35.4
Hydroelectric.....	2,381,352	2,210,563	3,346,267	3,155,338	2,232,179	2,844,142	2,235,982	2,548,858	1.2	1.1
Other Renewables.....	2,665,241	2,062,494	2,097,618	2,275,653	2,329,308	2,472,946	2,546,196	2,803,776	1.4	1.3
Pumped Storage.....	-459,733	-657,754	-738,994	-685,884	-711,041	-698,177	-722,855	-353,762	-0.2	-0.2
Other.....	40,772	694,998	711,838	739,746	730,615	722,532	743,948	832,354	*	0.4

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1998 and 2002 Through 2008

Fuel, Quality	1998	2002	2003	2004	2005	2006	2007	2008
Pennsylvania								
Coal (cents per million Btu)	135	125	122	137	159	172	175	210
Average heat value (Btu per pound).....	12,323	12,111	11,733	11,615	11,741	11,459	11,400	11,079
Average sulfur Content (percent)	2.19	1.95	1.95	2.00	1.94	2.09	2.08	2.09
Petroleum (cents per million Btu) ¹	184	464	467	451	746	762	916	1,181
Average heat value (Btu per gallon).....	121,550	145,976	144,660	144,343	146,174	139,310	139,290	138,850
Average sulfur Content (percent)	2.13	0.50	1.35	1.42	1.07	1.87	1.73	1.71
Natural Gas (cents per million Btu).....	317	390	625	723	990	772	780	1,016
Average heat value (Btu per cubic foot).....	1,029	1,036	1,038	1,033	1,033	1,033	1,035	1,031

¹ Petroleum includes petroleum liquids and petroleum coke.
Btu = British thermal unit.

Note: Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. There may be a notable increase in fuel receipts beginning with 2008. For more information, please see the Technical Notes in the Electric Power Annual.

Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report." Federal Energy Regulatory Commission, FERC Form 423, "Monthly Cost and Quality of Fuels for Electric Plants." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 7. Electric Power Industry Emissions Estimates, 1998 and 2002 Through 2008
(Thousand Metric Tons)

Emission Type	1998	2002	2003	2004	2005	2006	2007	2008
Pennsylvania								
Sulfur Dioxide								
Coal.....	1,015	861	888	904	994	819	870	772
Petroleum.....	52	15	18	21	20	17	16	3
Natural Gas	*	*	*	*	*	*	*	*
Other Gases.....	*	*	*	*	*	*	*	*
Other Renewables.....	6 ^R	4	3	3	4	3	3	4
Other	*	1	*	*	*	*	*	*
Total	1,073	880	910	929	1,019	839	889	780
Nitrogen Oxide								
Coal.....	222	203	161	160	161	156	163	165
Petroleum.....	23	6	7	9	10	7	8	2
Natural Gas	4	6	5	4	4	4	4	4
Other Gases.....	1	1	*	1	1	*	*	1
Other Renewables.....	10 ^R	5	6	6	7	6	6	9
Other	*	2	2	2	3	2	2	*
Total	261	224	182	182	186	176	183	181
Carbon Dioxide								
Coal.....	111,433 ^R	112,091 ^R	111,508 ^R	112,524 ^R	116,326 ^R	118,146 ^R	117,724 ^R	113,020
Petroleum.....	5,217 ^R	2,986 ^R	4,487 ^R	4,158 ^R	5,247 ^R	1,415 ^R	1,640 ^R	1,182
Natural Gas	2,413 ^R	3,590 ^R	3,041 ^R	4,990 ^R	5,209 ^R	6,302 ^R	8,481 ^R	8,192
Other Renewables.....	1,235 ^R	-	-	-	-	-	-	-
Other	40 ^R	1,174 ^R	1,224 ^R	1,190 ^R	1,184 ^R	1,241 ^R	1,292 ^R	1,461
Total	120,338 ^R	119,841 ^R	120,260 ^R	122,862 ^R	127,966 ^R	127,104 ^R	129,137 ^R	123,855

R = Revised.

* = 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 *).

- (dash) = Data not available.

Source: Calculations made by the Electric Power Division, U. S. Energy Information Administration.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1998 and 2002 Through 2008

Sector	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Pennsylvania										
Retail Sales (thousand megawatthours)										
Residential	42,923	48,730	49,651	50,663	53,661	51,790	54,587	54,060	33.0	35.9
Commercial	37,246	42,632	43,218	44,355	45,782	45,624	47,531	47,347	28.6	31.5
Industrial	48,815	47,090	46,773	47,659	47,950	47,920	48,579	48,131	37.5	32.0
Other	1,223	1,368	NA	NA	NA	NA	NA	NA	0.9	--
Transportation.....	NA	NA	727	823	880	816	876	863	--	0.6
All Sectors	130,206	139,820	140,369	143,501	148,273	146,150	151,573	150,401	100.0	100.0
Retail Revenue (million dollars).....										
Residential	4,235	4,747	4,760	4,853	5,289	5,359	5,977	6,137	41.6	43.8
Commercial	3,068	3,623	3,724	3,774	3,890	4,081	4,375	4,441	30.1	31.7
Industrial.....	2,735	2,747	2,715	2,799	3,018	3,179	3,338	3,378	26.8	24.1
Other.....	152	159	NA	NA	NA	NA	NA	NA	1.5	--
Transportation.....	NA	NA	57	60	64	61	68	65	--	0.5
All Sectors	10,190	11,276	11,256	11,486	12,261	12,680	13,757	14,021	100.0	100.0
Average Retail Prices (cents/kWh)										
Residential	9.93	9.74	9.59	9.58	9.86	10.35	10.95	11.35	--	--
Commercial	8.26	8.50	8.62	8.51	8.50	8.94	9.20	9.38	--	--
Industrial.....	5.63	5.83	5.80	5.87	6.29	6.63	6.87	7.02	--	--
Other.....	12.45	11.59	NA	NA	NA	NA	NA	NA	--	--
Transportation.....	NA	NA	7.78	7.32	7.22	7.45	7.72	7.57	--	--
All Sectors	7.86	8.06	8.02	8.00	8.27	8.68	9.08	9.32	--	--

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 9. Retail Electricity Sales Statistics, 2008

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.....	5,462,112	84,137	NA	216,334	NA	173,004	NA	5,935,587
Retail Sales (thousand megawatthours).....	134,988	1,455	NA	2,675	NA	11,282	NA	150,401
Percentage of Retail Sales	89.75	0.97	--	1.78	--	7.50	--	100.00
Revenue from Retail Sales (million dollars).....	12,520	167	NA	283	NA	850	202	14,021
Percentage of Revenue	89.29	1.19	--	2.02	--	6.06	1.44	100.00
Average Retail Price (cents/kWh).....	9.27	11.48	NA	10.57	NA	7.53	1.79	9.32

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Totals may not equal sum of components because of independent rounding. 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.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 10. Supply and Disposition of Electricity, 1998 and 2002 Through 2008
(Million Kilowatthours)

Category	1998	2002	2003	2004	2005	2006	2007	2008
Pennsylvania								
Supply								
Generation								
Electric Utilities	173,903	30,537	30,099	33,900	1,058	1,311	1,077	1,225
Independent Power Producers	5,231	164,018	165,678	170,336	205,816	205,075	212,668	209,081
Combined Heat and Power, Electric	7,732	5,718	6,774	6,676	7,629	8,854	9,033	8,978
Electric Power Sector Generation Subtotal	186,867	200,274	202,551	210,912	214,503	215,240	222,778	219,284
Combined Heat and Power, Commercial	433	443	399	414	408	400	385	246
Combined Heat and Power, Industrial.....	3,891	3,606	3,399	3,332	3,181	3,172	2,925	2,821
Industrial and Commercial Generation Subtotal	4,324	4,049	3,798	3,746	3,589	3,571	3,310	3,067
Total Net Generation	191,192	204,323	206,350	214,659	218,091	218,812	226,088	222,351
Total International Imports	11	*	18	86	30	32	158	889
Total Supply	191,202	204,323	206,367	214,745	218,122	218,843	226,246	223,240
Disposition								
Retail Sales								
Full Service Providers	126,258	128,688	127,964	130,848	137,221	137,244	140,610	139,119
Energy-Only Providers.....	3,948	11,132	12,405	12,653	11,052	8,906	10,963	11,282
Total Electric Industry Retail Sales	130,206	139,820	140,369	143,501	148,273	146,150	151,573	150,401
Direct Use	4,444	4,422	4,478	4,483	3,287	2,872	2,352	4,647
Total International Exports	175	96	103	263	317	127	96	356
Estimated Losses	8,818	10,474	9,123^R	11,010^R	11,664^R	11,264	10,789	9,289
Total Disposition	143,643	154,813	154,074^R	159,257^R	163,540^R	160,413	164,810	164,693
Net Interstate Trade ¹	47,559	49,511	52,294^R	55,487^R	54,581^R	58,430	61,436	58,547
Net Trade Index (ratio) ²	1.33	1.32	1.34	1.35	1.33	1.36	1.37	1.36

¹ Net Interstate Trade is the difference between Total Supply and Total Disposition.

² Net Trade Index is the ratio of Total Supply to Total Disposition.

R = Revised.

* = 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 *).

Notes: Totals may not equal sum of components because of independent rounding. 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. 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.

Sources: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms. U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry 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.

Table 1. 2008 Summary Statistics

Item	Value	U.S. Rank
Rhode Island		
NERC Region(s).....		NPCC
Primary Energy Source.....		Gas
Net Summer Capacity (megawatts)	1,780	49
Electric Utilities.....	7	50
Independent Power Producers & Combined Heat and Power.....	1,774	37
Net Generation (megawatthours).....	7,387,266	47
Electric Utilities.....	10,612	47
Independent Power Producers & Combined Heat and Power.....	7,376,654	35
Emissions (thousand metric tons)		
Sulfur Dioxide	*	50
Nitrogen Oxide	3	48
Carbon Dioxide.....	2,988	48
Sulfur Dioxide (lbs/MWh)	*	50
Nitrogen Oxide (lbs/MWh)	1.0	41
Carbon Dioxide (lbs/MWh).....	892	41
Total Retail Sales (megawatthours).....	7,818,594	49
Full Service Provider Sales (megawatthours)	6,723,283	47
Deregulated Sales (megawatthours)	1,095,311	18
Direct Use (megawatthours)	59,177	47
Average Retail Price (cents/kWh).....	16.01	5

MWh = Megawatthours.

kWh = Kilowatthours.

* = 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 *).

Sources: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 2. Ten Largest Plants by Generating Capacity, 2008

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	528
2. Manchester Street	Gas	Dominion Energy New England, LLC	447
3. Tiverton Power Plant.....	Gas	Tiverton Power Inc	250
4. Ocean State Power.....	Gas	Ocean State Power Co	219
4. Ocean State Power II.....	Gas	Ocean State Power II	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

MW = Megawatt.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2008
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
Rhode Island						
1. The Narragansett Electric Co	Investor-Owned	6,661,436	3,002,944	2,962,823	695,669	-
2. Constellation NewEnergy, Inc.....	Other Provider	541,007	-	400,345	140,662	-
3. TransCanada Power Mktg Ltd.....	Other Provider	217,995	-	-	217,995	-
4. Integrys Energy Services, Inc.....	Other Provider	63,549	4	63,545	-	-
5. Pascoag Utility District.....	Public	51,203	28,645	3,983	18,575	-
Total Sales, Top Five Providers		7,535,190	3,031,593	3,430,696	1,072,901	-
Percent of Total State Sales		96	100	93	100	-

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatts)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Rhode Island										
Electric Utilities.....	7	9	9	9	6	8	8	7	0.7	0.4
Petroleum.....	5	7	7	7	5	7	7	7	0.6	0.4
Hydroelectric	1	1	1	1	1	1	1	-	0.2	-
Independent Power Producers and Combined Heat and Power	950	1,715	1,726	1,734	1,742	1,763	1,774	1,774	99.3	99.6
Petroleum.....	4	10	10	24	24	24	22	19	0.4	1.1
Natural Gas	928	1,687	1,698	1,692	1,691	1,712	1,725	1,728	97.0	97.1
Hydroelectric	3	3	3	3	3	3	3	3	0.3	0.2
Other Renewables.....	15	15	15	15	24	24	24	24	1.6	1.3
Total Electric Industry.....	957	1,723	1,734	1,743	1,748	1,771	1,782	1,780	100.0	100.0
Petroleum.....	9	17	17	31	29	31	29	26	1.0	1.4
Natural Gas	928	1,687	1,698	1,692	1,691	1,712	1,725	1,728	97.0	97.1
Hydroelectric	4	4	4	4	4	4	4	3	0.4	0.2
Other Renewables.....	15	15	15	15	24	24	24	24	1.6	1.3

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatthours)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Rhode Island										
Electric Utilities.....	2,061,351	11,836	11,771	12,402	10,805	11,008	11,075	10,612	26.9	0.1
Petroleum.....	8,827	11,836	11,771	12,402	10,805	11,008	11,075	10,612	0.1	0.1
Natural Gas.....	2,052,524	-	-	-	-	-	-	-	26.7	-
Independent Power Producers and Combined Heat and Power.....	5,613,160	7,044,929	5,609,373	4,927,018	6,042,489	5,956,717	7,038,769	7,376,654	73.1	99.9
Petroleum.....	69,479	45,697	46,588	36,123	46,365	21,668	22,876	15,722	0.9	0.2
Natural Gas.....	5,423,850	6,310,417	5,454,996	4,783,907	5,989,390	5,780,227	6,856,772	7,197,548	70.7	97.4
Hydroelectric.....	8,676	3,685	6,021	5,461	6,734	5,909	4,364	4,977	0.1	0.1
Other Renewables.....	111,155	97,752	101,768	101,526	-	148,913	154,757	158,407	1.4	2.1
Other.....	-	587,378	-	-	-	-	-	-	-	-
Total Electric Industry.....	7,674,511	7,056,765	5,621,144	4,939,420	6,053,294	5,967,725	7,049,844	7,387,266	100.0	100.0
Petroleum.....	78,306	57,533	58,359	48,525	57,170	32,676	33,951	26,334	1.0	0.4
Natural Gas.....	7,476,374	6,310,417	5,454,996	4,783,907	5,989,390	5,780,227	6,856,772	7,197,548	97.4	97.4
Hydroelectric.....	8,676	3,685	6,021	5,461	6,734	5,909	4,364	4,977	0.1	0.1
Other Renewables.....	111,155	97,752	101,768	101,526	-	148,913	154,757	158,407	1.4	2.1
Other.....	-	587,378	-	-	-	-	-	-	-	-

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1998 and 2002 Through 2008

Fuel, Quality	1998	2002	2003	2004	2005	2006	2007	2008
Rhode Island								
Petroleum (cents per million Btu) ¹	-	-	W	W	W	-	W	1,649
Average heat value (Btu per gallon).....	-	-	140,564	140,562	135,160	-	138,571	141,786
Average sulfur Content (percent).....	-	-	0.14	0.09	0.03	-	0.15	0.30
Natural Gas (cents per million Btu).....	329	455	650	680	951	734	781	W
Average heat value (Btu per cubic foot).....	1,028	1,032	1,033	1,036	1,018	1,032	1,031	1,020

¹ Petroleum includes petroleum liquids and petroleum coke.

Btu = British thermal unit.

W = Withheld to avoid disclosure of individual company data.

- (dash) = Data not available.

Note: Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. There may be a notable increase in fuel receipts beginning with 2008. For more information, please see the Technical Notes in the Electric Power Annual.

Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report." Federal Energy Regulatory Commission, FERC Form 423, "Monthly Cost and Quality of Fuels for Electric Plants." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 7. Electric Power Industry Emissions Estimates, 1998 and 2002 Through 2008
(Thousand Metric Tons)

Emission Type	1998	2002	2003	2004	2005	2006	2007	2008
Rhode Island								
Sulfur Dioxide								
Petroleum.....	2	1	1	1	1	1	1	*
Natural Gas.....	*	*	*	*	*	*	*	*
Other Renewables.....	*	*	*	*	*	*	*	*
Total.....	2	1	1	1	1	1	1	*
Nitrogen Oxide								
Petroleum.....	1	*	*	*	*	1	*	*
Natural Gas.....	1	1	*	*	*	*	1	1
Other Renewables.....	1	1	1	1	1	2	2	3
Other.....	-	*	-	-	-	-	-	-
Total.....	3	2	2	2	2	3	3	3
Carbon Dioxide								
Petroleum.....	352 ^R	167 ^R	129 ^R	166 ^R	195 ^R	119 ^R	102 ^R	29
Natural Gas.....	3,273 ^R	2,931 ^R	2,283 ^R	1,952 ^R	2,421 ^R	2,408 ^R	2,859 ^R	2,959
Total.....	3,625 ^R	3,098 ^R	2,413 ^R	2,118 ^R	2,616 ^R	2,526 ^R	2,961 ^R	2,988

R = Revised.

* = 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 *).

- (dash) = Data not available.

Source: Calculations made by the Electric Power Division, U. S. Energy Information Administration.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1998 and 2002 Through 2008

Sector	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Rhode Island										
Retail Sales (thousand megawatthours)										
Residential	2,522	2,829	2,998	3,000	3,171	3,008	3,132	3,043	36.6	38.9
Commercial	2,731	3,316	3,490	3,542	3,628	3,599	3,710	3,700	39.6	47.3
Industrial	1,458	1,331	1,309	1,345	1,250	1,191	1,171	1,075	21.2	13.8
Other	177	85	NA	NA	NA	NA	NA	NA	2.6	--
All Sectors	6,888	7,561	7,797	7,888	8,049	7,799	8,013	7,819	100.0	100.0
Retail Revenue (million dollars)										
Residential	275	289	348	366	413	455	440	531	41.8	42.4
Commercial	253	287	352	373	425	486	470	568	38.4	45.4
Industrial	110	106	116	126	125	149	141	153	16.7	12.2
Other	20	14	NA	NA	NA	NA	NA	NA	3.1	--
All Sectors	659	696	816	865	963	1,090	1,051	1,252	100.0	100.0
Average Retail Prices (cents/kWh)										
Residential	10.91	10.20	11.61	12.19	13.04	15.12	14.05	17.45	--	--
Commercial	9.26	8.65	10.09	10.53	11.71	13.51	12.67	15.36	--	--
Industrial	7.61	7.96	8.88	9.37	10.01	12.51	12.04	14.20	--	--
Other	11.51	16.46	NA	NA	NA	NA	NA	NA	--	--
All Sectors	9.58	9.20	10.47	10.96	11.97	13.98	13.12	16.01	--	--

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 9. Retail Electricity Sales Statistics, 2008

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	7	1	11
Number of Retail Customers	480,504	4,533	NA	NA	NA	3,069	NA	488,106
Retail Sales (thousand megawatthours)	6,672	51	NA	NA	NA	1,095	NA	7,819
Percentage of Retail Sales	85.34	0.65	--	--	--	14.01	--	100.00
Revenue from Retail Sales (million dollars)	1,106	7	NA	NA	NA	95	44	1,252
Percentage of Revenue	88.33	0.57	--	--	--	7.61	3.50	100.00
Average Retail Price (cents/kWh)	16.57	13.99	NA	NA	NA	8.69	4.00	16.01

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Totals may not equal sum of components because of independent rounding. 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.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 10. Supply and Disposition of Electricity, 1998 and 2002 Through 2008
(Million Kilowatthours)

Category	1998	2002	2003	2004	2005	2006	2007	2008
Rhode Island								
Supply								
Generation								
Electric Utilities	2,061	12	12	12	11	11	11	11
Independent Power Producers	5,028	6,927	5,557	4,891	5,957	5,875	6,989	7,324
Combined Heat and Power, Electric	518	71	9	-	18	18	-	-
Electric Power Sector Generation Subtotal	7,608	7,010	5,578	4,904	5,987	5,904	7,000	7,335
Combined Heat and Power, Commercial	51	47	43	33	65	62	49	53
Combined Heat and Power, Industrial	15	*	*	2	2	1	1	-
Industrial and Commercial Generation Subtotal	66	47	43	36	67	64	50	53
Total Net Generation	7,675	7,057	5,621	4,939	6,053	5,968	7,050	7,387
Total International Imports	1,766	326	144	322	407	409	556	654
Total Supply	9,440	7,382	5,765	5,261	6,460	6,376	7,606	8,041
Disposition								
Retail Sales								
Full Service Providers	6,868	6,633	7,097	7,043	7,160	6,771	6,871	6,723
Energy-Only Providers	19	928	700	844	889	1,029	1,142	1,095
Total Electric Industry Retail Sales	6,888	7,561	7,797	7,888	8,049	7,799	8,013	7,819
Direct Use	74	64	65	65	69	66	58	59
Total International Exports	6	-	38	20	60	89	138	104
Estimated Losses	466	502	366^R	409^R	450^R	526	549	66
Total Disposition	7,434	8,127	8,266^R	8,382^R	8,628^R	8,480	8,758	8,048
Net Interstate Trade ¹	2,006	-744	-2,501^R	-3,120^R	-2,169^R	-2,104	-1,152	-7
Net Trade Index (ratio) ²	1.27	0.91	0.70^R	0.63^R	0.75^R	0.75	0.87	1.00

¹ Net Interstate Trade is the difference between Total Supply and Total Disposition.

² Net Trade Index is the ratio of Total Supply to Total Disposition.

R = Revised.

* = 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 *).

- (dash) = Data not available.

Notes: Totals may not equal sum of components because of independent rounding. 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. 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.

Sources: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms. U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry 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.

Table 1. 2008 Summary Statistics

Item	Value	U.S. Rank
South Carolina		
NERC Region(s).....		SERC
Primary Energy Source.....		Nuclear
Net Summer Capacity (megawatts)	24,012	16
Electric Utilities.....	22,152	9
Independent Power Producers & Combined Heat and Power.....	1,860	36
Net Generation (megawatthours).....	100,978,005	15
Electric Utilities.....	97,921,204	7
Independent Power Producers & Combined Heat and Power.....	3,056,801	41
Emissions (thousand metric tons)		
Sulfur Dioxide	156	17
Nitrogen Oxide	44	30
Carbon Dioxide.....	42,490	23
Sulfur Dioxide (lbs/MWh)	3.4	26
Nitrogen Oxide (lbs/MWh)	1.0	42
Carbon Dioxide (lbs/MWh).....	928	40
Total Retail Sales (megawatthours)	80,650,572	18
Full Service Provider Sales (megawatthours)	80,650,572	17
Direct Use (megawatthours)	1,977,788	22
Average Retail Price (cents/kWh).....	7.85	33

MWh = Megawatthours.

kWh = Kilowatthours.

Sources: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 2. Ten Largest Plants by Generating Capacity, 2008

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
South Carolina			
1. Oconee	Nuclear	Duke Energy Carolinas, LLC	2,538
2. Cross	Coal	South Carolina Pub Serv Auth	2,320
3. Catawba	Nuclear	Duke Energy Carolinas, LLC	2,258
4. Bad Creek	Pumped Storage	Duke Energy Carolinas, LLC	1,360
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	899
9. Broad River Energy Center	Gas	Calpine Operating Services Company Inc	854
10. Jasper	Gas	South Carolina Electric&Gas Co	852

MW = Megawatt.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2008
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
South Carolina						
1. South Carolina Electric&Gas Co.....	Investor-Owned	22,001,834	7,828,251	8,021,180	6,152,403	-
2. Duke Energy Carolinas, LLC.....	Investor-Owned	21,501,448	6,551,312	5,814,767	9,135,369	-
3. South Carolina Pub Serv Auth.....	Public	11,176,030	1,657,068	2,041,185	7,477,777	-
4. Progress Energy Carolinas Inc.....	Investor-Owned	6,543,115	2,179,202	1,853,337	2,510,576	-
5. Berkeley Electric Coop Inc.....	Cooperative	1,592,477	1,168,743	182,262	241,472	-
Total Sales, Top Five Providers.....		62,814,904	19,384,576	17,912,731	25,517,597	-
Percent of Total State Sales.....		78	65	83	87	-

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatts)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
South Carolina										
Electric Utilities.....	17,627	19,101	19,402	20,406	20,787	21,019	21,730	22,152	97.3	92.3
Coal.....	6,007	5,925	5,925	5,968	5,968	5,984	6,460	7,060	33.2	29.4
Petroleum.....	1,163	955	970	684	689	682	682	699	6.4	2.9
Natural Gas.....	576	2,150	2,437	3,712	3,708	3,923	3,956	3,919	3.2	16.3
Nuclear.....	6,431	6,492	6,472	6,472	6,472	6,472	6,472	6,472	35.5	27.0
Hydroelectric.....	1,263	1,360	1,360	1,316	1,324	1,321	1,315	1,314	7.0	5.5
Other Renewables.....	-	-	3	3	9	20	20	23	-	0.1
Pumped Storage.....	2,187	2,219	2,235	2,251	2,616	2,616	2,826	2,666	12.1	11.1
Independent Power Producers and Combined Heat and Power.....	490	1,262	1,257	1,790	1,765	1,764	1,836	1,860	2.7	7.7
Coal.....	131	103	103	103	103	103	182	182	0.7	0.8
Petroleum.....	3	3	3	3	3	3	3	6	*	*
Natural Gas.....	106	901	895	1,430	1,408	1,404	1,400	1,417	0.6	5.9
Hydroelectric.....	18	24	24	24	24	24	23	23	0.1	0.1
Other Renewables.....	232	232	232	230	227	230	230	233	1.3	1.0
Total Electric Industry.....	18,117	20,363	20,659	22,196	22,551	22,782	23,566	24,012	100.0	100.0
Coal.....	6,138	6,028	6,028	6,072	6,072	6,088	6,641	7,242	33.9	30.2
Petroleum.....	1,165	958	972	686	692	685	685	705	6.4	2.9
Natural Gas.....	682	3,051	3,332	5,143	5,116	5,327	5,355	5,335	3.8	22.2
Nuclear.....	6,431	6,492	6,472	6,472	6,472	6,472	6,472	6,472	35.5	27.0
Hydroelectric.....	1,281	1,384	1,384	1,340	1,348	1,345	1,337	1,337	7.1	5.6
Other Renewables.....	232	232	235	233	236	250	250	256	1.3	1.1
Pumped Storage.....	2,187	2,219	2,235	2,251	2,616	2,616	2,826	2,666	12.1	11.1

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatthours)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
South Carolina										
Electric Utilities.....	84,396,897	93,689,257	91,544,429	94,406,828	99,104,373	95,872,763	99,997,011	97,921,204	96.7	97.0
Coal.....	32,377,814	36,490,769	37,065,509	38,516,633	39,352,428	39,140,908	41,270,230	41,184,319	37.1	40.8
Petroleum.....	331,357	205,664	289,474	690,071	484,181	135,522	174,663	160,102	0.4	0.2
Natural Gas.....	414,900	3,466,140	1,365,534	2,527,103	4,153,040	4,742,493	4,599,720	4,610,728	0.5	4.6
Nuclear.....	48,759,447	53,325,854	50,417,690	51,200,640	53,137,554	50,797,372	53,199,914	51,762,950	55.9	51.3
Hydroelectric.....	3,503,249	1,328,524	3,590,944	2,382,225	2,858,778	1,766,438	1,523,502	1,100,451	4.0	1.1
Other Renewables.....	-	15,522	22,091	239,246	317,067	409,929	439,597	369,219	-	0.4
Pumped Storage.....	-989,870	-1,143,216	-1,206,813	-1,149,090	-1,198,675	-1,119,899	-1,210,614	-1,266,564	-1.1	-1.3
Independent Power Producers and Combined Heat and Power.....	2,849,664	2,874,241	2,228,249	3,533,101	3,410,292	3,394,843	3,405,130	3,056,801	3.3	3.0
Coal.....	591,885	456,953	366,514	405,587	339,631	331,938	312,439	355,376	0.7	0.4
Petroleum.....	120,306	94,673	167,397	181,220	134,253	101,395	42,625	20,365	0.1	*
Natural Gas.....	462,565	1,032,179	297,248	1,270,755	1,261,143	1,325,568	1,364,839	1,118,260	0.5	1.1
Other Gases.....	92	314	73	10	5,642	16	15	-	*	-
Hydroelectric.....	66,168	61,227	74,482	64,684	79,369	40,510	32,410	22,664	0.1	*
Other Renewables.....	1,604,202	1,228,895	1,273,858	1,523,933	1,496,573	1,500,508	1,556,437	1,446,607	1.8	1.4
Other.....	4,446	-	48,677	86,912	93,680	94,908	96,366	93,529	*	0.1
Total Electric Industry.....	87,246,561	96,563,498	93,772,678	97,939,929	102,514,665	99,267,606	103,402,142	100,978,005	100.0	100.0
Coal.....	32,969,699	36,947,722	37,432,023	38,922,220	39,692,059	39,472,846	41,582,670	41,539,695	37.8	41.1
Petroleum.....	451,663	300,337	456,871	871,291	618,434	236,917	217,287	180,467	0.5	0.2
Natural Gas.....	877,465	4,498,319	1,662,782	3,797,858	5,414,183	6,068,061	5,964,558	5,728,988	1.0	5.7
Other Gases.....	92	314	73	10	5,642	16	15	-	*	-
Nuclear.....	48,759,447	53,325,854	50,417,690	51,200,640	53,137,554	50,797,372	53,199,914	51,762,950	55.9	51.3
Hydroelectric.....	3,569,417	1,389,751	3,665,426	2,446,909	2,938,147	1,806,948	1,555,912	1,123,115	4.1	1.1
Other Renewables.....	1,604,202	1,244,417	1,295,949	1,763,179	1,813,640	1,910,437	1,996,034	1,815,825	1.8	1.8
Pumped Storage.....	-989,870	-1,143,216	-1,206,813	-1,149,090	-1,198,675	-1,119,899	-1,210,614	-1,266,564	-1.1	-1.3
Other.....	4,446	-	48,677	86,912	93,680	94,908	96,366	93,529	*	0.1

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1998 and 2002 Through 2008

Fuel, Quality	1998	2002	2003	2004	2005	2006	2007	2008
South Carolina								
Coal (cents per million Btu)	145	W	W	W	W	W	W	W
Average heat value (Btu per pound).....	12,805	12,698	12,669	12,565	12,617	12,584	12,539	12,435
Average sulfur Content (percent)	1.20	1.16	1.10	1.24	1.24	1.29	1.25	1.34
Petroleum (cents per million Btu) ¹	328	W	W	W	W	W	W	W
Average heat value (Btu per gallon).....	138,121	145,331	144,988	138,905	143,257	138,717	143,581	143,710
Average sulfur Content (percent)	0.21	1.23	1.69	3.67	2.42	2.89	1.05	1.12
Natural Gas (cents per million Btu).....	353	W	W	W	W	787	792	1,017
Average heat value (Btu per cubic foot).....	1,024	1,034	1,031	1,035	1,033	1,033	1,030	1,030

¹ Petroleum includes petroleum liquids and petroleum coke.

Btu = British thermal unit.

W = Withheld to avoid disclosure of individual company data.

Note: Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. There may be a notable increase in fuel receipts beginning with 2008. For more information, please see the Technical Notes in the Electric Power Annual.

Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report." Federal Energy Regulatory Commission, FERC Form 423, "Monthly Cost and Quality of Fuels for Electric Plants." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 7. Electric Power Industry Emissions Estimates, 1998 and 2002 Through 2008
(Thousand Metric Tons)

Emission Type	1998	2002	2003	2004	2005	2006	2007	2008
South Carolina								
Sulfur Dioxide								
Coal	203	191	197	207	206	206	161	150
Petroleum	4	3	3	5	4	4	3	*
Natural Gas	*	*	*	*	*	*	*	*
Other Renewables	12 ^R	7	7	7	7	7	7	4
Other	- ^R	-	1	2	2	2	2	2
Total	218	201	208	221	218	219	173	156
Nitrogen Oxide								
Coal	92	77	72	60	47	44	41	40
Petroleum	1	1	1	1	1	1	1	*
Natural Gas	1	1	1	1	1	1	1	1
Other Renewables	5	4	2	2	2	3	3	2
Other	* ^R	-	*	*	*	*	*	*
Total	100	84	76	65	51	49	46 ^R	44
Carbon Dioxide								
Coal	31,682 ^R	34,336 ^R	35,386 ^R	37,303 ^R	37,690 ^R	37,743 ^R	39,114 ^R	39,405
Petroleum	577 ^R	491 ^R	663 ^R	1,077 ^R	803 ^R	411 ^R	287 ^R	218
Natural Gas	661 ^R	2,084 ^R	758 ^R	1,738 ^R	2,489 ^R	2,793 ^R	2,807 ^R	2,546
Other Renewables	100 ^R	-	-	-	-	-	-	-
Other	- ^R	-	181 ^R	252 ^R	286 ^R	299 ^R	311 ^R	321
Total	33,019 ^R	36,912 ^R	36,988 ^R	40,370 ^R	41,267 ^R	41,246 ^R	42,518 ^R	42,490

R = Revised.

* = 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 *).

- (dash) = Data not available.

Source: Calculations made by the Electric Power Division, U. S. Energy Information Administration.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1998 and 2002 Through 2008

Sector	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
South Carolina										
Retail Sales (thousand megawatthours)										
Residential	23,558	26,787	26,422	27,910	28,676	28,539	29,569	29,727	32.5	36.9
Commercial	16,370	18,157	19,336	20,113	20,498	20,923	21,746	21,676	22.6	26.9
Industrial	31,606	31,926	31,296	31,886	32,080	31,416	30,632	29,247	43.6	36.3
Other	920	950	NA	NA	NA	NA	NA	NA	1.3	--
All Sectors	72,454	77,819	77,054	79,908	81,254	80,877	81,948	80,651	100.0	100.0
Retail Revenue (million dollars)										
Residential	1,767	2,069	2,117	2,267	2,487	2,576	2,716	2,939	44.1	46.4
Commercial	1,021	1,177	1,316	1,390	1,515	1,591	1,684	1,826	25.5	28.8
Industrial	1,165	1,229	1,251	1,315	1,460	1,481	1,479	1,570	29.1	24.8
Other	55	61	NA	NA	NA	NA	NA	NA	1.4	--
All Sectors	4,008	4,537	4,684	4,972	5,462	5,648	5,880	6,335	100.0	100.0
Average Retail Prices (cents/kWh)										
Residential	7.50	7.72	8.01	8.12	8.67	9.03	9.19	9.89	--	--
Commercial	6.24	6.48	6.81	6.91	7.39	7.60	7.74	8.42	--	--
Industrial	3.69	3.85	4.00	4.13	4.55	4.71	4.83	5.37	--	--
Other	5.99	6.44	NA	NA	NA	NA	NA	NA	--	--
All Sectors	5.53	5.83	6.08	6.22	6.72	6.98	7.18	7.85	--	--

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 9. Retail Electricity Sales Statistics, 2008

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
South Carolina								
Number of Entities	4	22	NA	21	1	NA	NA	48
Number of Retail Customers	1,363,274	340,373	NA	711,827	2	NA	NA	2,415,476
Retail Sales (thousand megawatthours)	50,247	15,364	NA	15,030	10	NA	NA	80,651
Percentage of Retail Sales	62.30	19.05	--	18.64	0.01	--	--	100.00
Revenue from Retail Sales (million dollars)	3,905	1,013	NA	1,416	*	NA	NA	6,335
Percentage of Revenue	61.65	16.00	--	22.35	*	--	--	100.00
Average Retail Price (cents/kWh)	7.77	6.60	NA	9.42	2.59	NA	NA	7.85

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

* = 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 *).

Notes: Totals may not equal sum of components because of independent rounding. 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.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 10. Supply and Disposition of Electricity, 1998 and 2002 Through 2008
(Million Kilowatthours)

Category	1998	2002	2003	2004	2005	2006	2007	2008
South Carolina								
Supply								
Generation								
Electric Utilities	84,397	93,689	91,544	94,407	99,104	95,873	99,997	97,921
Independent Power Producers	64	633	278	486	735	730	771	753
Combined Heat and Power, Electric	349	416	100	855	595	623	619	506
Electric Power Sector Generation Subtotal	84,810	94,738	91,923	95,747	100,435	97,225	101,387	99,179
Combined Heat and Power, Commercial	63	2	56	87	82	84	69	60
Combined Heat and Power, Industrial.....	2,373	1,823	1,794	2,106	1,998	1,958	1,946	1,738
Industrial and Commercial Generation Subtotal	2,437	1,826	1,850	2,193	2,080	2,042	2,015	1,799
Total Net Generation	87,247	96,563	93,773	97,940	102,515	99,268	103,402	100,978
Total Supply	87,247	96,563	93,773	97,940	102,515	99,268	103,402	100,978
Disposition								
Retail Sales								
Full Service Providers	72,454	77,819	77,054	79,908	81,254	80,877	81,948	80,641
Facility Direct Retail Sales ¹	-	-	-	-	-	-	-	10
Total Electric Industry Retail Sales	72,454	77,819	77,054	79,908	81,254	80,877	81,948	80,651
Direct Use	2,209	2,016	2,042	2,044	1,599	1,620	1,770	1,978
Estimated Losses	4,907	4,675	4,199^R	4,891^R	5,661^R	5,469	5,598	5,099
Total Disposition	79,570	84,511	83,295^R	86,843^R	88,514^R	87,966	89,316	87,727
Net Interstate Trade ²	7,677	12,053	10,477^R	11,096^R	14,001^R	11,302	14,086	13,251
Net Trade Index (ratio) ³	1.10	1.14	1.13	1.13	1.16	1.13	1.16	1.15

¹ Facility Direct Retail Sales are electricity sales from non utility power producers which reported electricity sales to a retail customer.

² Net Interstate Trade is the difference between Total Supply and Total Disposition.

³ Net Trade Index is the ratio of Total Supply to Total Disposition.

R = Revised.

- (dash) = Data not available.

Notes: Totals may not equal sum of components because of independent rounding. 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. 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.

Sources: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms. U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry 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.

Table 1. 2008 Summary Statistics

Item	Value	U.S. Rank
South Dakota		
NERC Region(s).....		MRO/WECC
Primary Energy Source.....		Coal
Net Summer Capacity (megawatts)	3,105	46
Electric Utilities.....	2,911	36
Independent Power Producers & Combined Heat and Power.....	194	49
Net Generation (megawatthours).....	7,082,672	48
Electric Utilities.....	6,942,317	36
Independent Power Producers & Combined Heat and Power.....	140,355	49
Emissions (thousand metric tons)		
Sulfur Dioxide	13	41
Nitrogen Oxide	13	43
Carbon Dioxide.....	4,011	47
Sulfur Dioxide (lbs/MWh)	4.0	22
Nitrogen Oxide (lbs/MWh)	4.1	5
Carbon Dioxide (lbs/MWh).....	1,249	31
Total Retail Sales (megawatthours).....	10,974,086	47
Full Service Provider Sales (megawatthours)	10,974,086	43
Direct Use (megawatthours)	673	49
Average Retail Price (cents/kWh).....	7.14	40

MWh = Megawatthours.

kWh = Kilowatthours.

Sources: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 2. Ten Largest Plants by Generating Capacity, 2008

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
South Dakota			
1. Oahe.....	Hydroelectric	USCE-Missouri River District	684
2. Big Stone	Coal	Otter Tail Power Co	476
3. Big Bend.....	Hydroelectric	USCE-Missouri River District	467
4. Angus Anson	Gas	Northern States Power Co - Minnesota	384
5. Fort Randall	Hydroelectric	USCE-Missouri River District	312
6. Groton Generating Station.....	Gas	Basin Electric Power Coop	169
7. MinnDakota Wind LLC	Other Renewables	P P M Energy Inc	150
8. Spirit Mound.....	Petroleum	Basin Electric Power Coop	100
9. Ben French.....	Coal	Black Hills Power Inc	100
10. Huron.....	Gas	NorthWestern Energy	55

MW = Megawatt.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2008
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
South Dakota						
1. Northern States Power Co - Minnesota.....	Investor-Owned	1,942,542	640,276	936,237	366,029	-
2. Black Hills Power Inc.....	Investor-Owned	1,466,489	502,593	707,649	256,247	-
3. NorthWestern Energy.....	Investor-Owned	1,404,547	513,148	640,583	250,816	-
4. Sioux Valley SW Elec Coop.....	Cooperative	512,773	257,022	37,429	218,322	-
5. Southeastern Electric Coop Inc.....	Cooperative	462,757	214,263	94,373	154,121	-
Total Sales, Top Five Providers.....		5,789,108	2,127,302	2,416,271	1,245,535	-
Percent of Total State Sales.....		53	48	57	54	-

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatts)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
South Dakota										
Electric Utilities.....	2,923	2,854	2,650	2,618	2,759	2,889	2,826	2,911	100.0	93.8
Coal.....	477	477	476	477	482	492	492	497	16.3	16.0
Petroleum.....	276	238	237	228	221	229	223	227	9.4	7.3
Natural Gas.....	363	459	385	385	553	649	645	722	12.4	23.3
Hydroelectric.....	1,806	1,678	1,549	1,526	1,500	1,516	1,463	1,463	61.8	47.1
Other Renewables.....	-	3	3	3	3	3	3	3	-	0.1
Independent Power Producers and Combined Heat and Power.....	-	-	41	41	44	44	44	194	-	6.2
Petroleum.....	-	-	-	-	3	3	3	3	-	0.1
Other Renewables.....	-	-	41	41	41	41	41	191	-	6.1
Total Electric Industry.....	2,923	2,854	2,690	2,659	2,802	2,933	2,870	3,105	100.0	100.0
Coal.....	477	477	476	477	482	492	492	497	16.3	16.0
Petroleum.....	276	238	237	228	224	232	226	230	9.4	7.4
Natural Gas.....	363	459	385	385	553	649	645	722	12.4	23.3
Hydroelectric.....	1,806	1,678	1,549	1,526	1,500	1,516	1,463	1,463	61.8	47.1
Other Renewables.....	-	3	43	43	43	43	43	193	-	6.2

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatthours)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
South Dakota										
Electric Utilities.....	9,088,990	7,721,958	7,904,755	7,357,617	6,368,442	6,989,062	5,991,253	6,942,317	100.0	98.0
Coal.....	3,094,113	3,271,523	3,431,203	3,620,001	2,996,347	3,315,911	2,655,334	3,660,482	34.0	51.7
Petroleum.....	26,551	4,961	16,058	22,771	20,785	4,660	62,347	22,503	0.3	0.3
Natural Gas.....	210,726	85,778	176,024	112,255	270,946	265,817	351,042	228,569	2.3	3.2
Hydroelectric.....	5,757,600	4,353,653	4,276,303	3,597,509	3,074,566	3,396,833	2,917,283	2,993,107	63.3	42.3
Other Renewables.....	-	6,043	5,167	5,081	5,777	5,784	5,221	7,118	-	0.1
Other.....	-	-	-	-	21	57	26	30,538	-	0.4
Independent Power Producers and Combined Heat and Power.....	-	-	39,082	152,597	152,327	143,181	145,352	140,355	-	2.0
Petroleum.....	-	-	-	-	-	-	555	672	-	*
Other Renewables.....	-	-	39,082	152,597	152,327	143,181	144,797	139,683	-	2.0
Total Electric Industry.....	9,088,990	7,721,958	7,943,837	7,510,214	6,520,769	7,132,243	6,136,605	7,082,672	100.0	100.0
Coal.....	3,094,113	3,271,523	3,431,203	3,620,001	2,996,347	3,315,911	2,655,334	3,660,482	34.0	51.7
Petroleum.....	26,551	4,961	16,058	22,771	20,785	4,660	62,902	23,175	0.3	0.3
Natural Gas.....	210,726	85,778	176,024	112,255	270,946	265,817	351,042	228,569	2.3	3.2
Hydroelectric.....	5,757,600	4,353,653	4,276,303	3,597,509	3,074,566	3,396,833	2,917,283	2,993,107	63.3	42.3
Other Renewables.....	-	6,043	44,249	157,678	158,104	148,965	150,018	146,801	-	2.1
Other.....	-	-	-	-	21	57	26	30,538	-	0.4

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1998 and 2002 Through 2008

Fuel, Quality	1998	2002	2003	2004	2005	2006	2007	2008
South Dakota								
Coal (cents per million Btu)	93	130	134	139	142	151	156	174
Average heat value (Btu per pound).....	8,728	8,550	8,560	8,523	8,711	8,534	8,530	8,391
Average sulfur Content (percent)	0.72	0.37	0.33	0.34	0.31	0.32	0.30	0.31
Petroleum (cents per million Btu) ¹	-	-	804	822	1,245	1,546	-	W
Average heat value (Btu per gallon).....	-	-	138,210	138,536	139,083	138,988	-	138,214
Average sulfur Content (percent)	-	-	0.22	0.18	0.22	0.25	-	0.04
Natural Gas (cents per million Btu).....	177	-	-	-	-	-	-	724
Average heat value (Btu per cubic foot).....	1,000	-	-	-	-	-	-	1,011

¹ Petroleum includes petroleum liquids and petroleum coke.

Btu = British thermal unit.

W = Withheld to avoid disclosure of individual company data.

- (dash) = Data not available.

Note: Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. There may be a notable increase in fuel receipts beginning with 2008. For more information, please see the Technical Notes in the Electric Power Annual.

Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report." Federal Energy Regulatory Commission, FERC Form 423, "Monthly Cost and Quality of Fuels for Electric Plants." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 7. Electric Power Industry Emissions Estimates, 1998 and 2002 Through 2008
(Thousand Metric Tons)

Emission Type	1998	2002	2003	2004	2005	2006	2007	2008
South Dakota								
Sulfur Dioxide								
Coal.....	22	23	11	13	10	11	8	12
Petroleum.....	*	*	*	*	*	*	*	*
Natural Gas.....	-	-	*	-	-	<u>R</u>	-	-
Other Renewables.....	*	-	*	-	-	-	-	-
Other.....	<u>R</u>	1	*	1	1	1	1	*
Total.....	22	24	12	14	10	12	9	13
Nitrogen Oxide								
Coal.....	21	24	15	16	13	13	9	13
Petroleum.....	*	*	*	*	*	*	*	*
Natural Gas.....	*	*	*	*	*	*	*	*
Other Renewables.....	*	*	*	*	*	*	*	-
Other.....	<u>R</u>	*	*	*	*	*	*	*
Total.....	22	25	15	16	13	14	10	13
Carbon Dioxide								
Coal.....	3,226 ^R	3,355 ^R	3,553 ^R	3,808 ^R	3,119 ^R	3,374 ^R	2,762 ^R	3,821
Petroleum.....	29	8	18	24	22	8	59 ^R	21
Natural Gas.....	152 ^R	66	115	88 ^R	191 ^R	179 ^R	227 ^R	141
Other.....	-	-	-	-	*	*	*	28
Total.....	3,407 ^R	3,428 ^R	3,687 ^R	3,920 ^R	3,333 ^R	3,560 ^R	3,049 ^R	4,011

R = Revised.

* = 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 *).

- (dash) = Data not available.

Source: Calculations made by the Electric Power Division, U. S. Energy Information Administration.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1998 and 2002 Through 2008

Sector	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
South Dakota										
Retail Sales (thousand megawatthours)										
Residential	3,303	3,733	3,740	3,696	3,973	4,051	4,261	4,406	42.2	40.1
Commercial	2,263	3,062	3,713	3,627	3,998	4,054	4,181	4,240	28.9	38.6
Industrial	1,868	1,604	1,627	1,891	1,840	1,952	2,161	2,328	23.9	21.2
Other	390	538	NA	NA	NA	NA	NA	NA	5.0	--
All Sectors	7,824	8,937	9,080	9,214	9,811	10,056	10,603	10,974	100.0	100.0
Retail Revenue (million dollars)										
Residential	240	276	280	283	309	317	344	365	49.1	46.5
Commercial	150	191	224	224	248	262	276	295	30.6	37.7
Industrial	83	73	73	87	91	94	110	124	17.0	15.8
Other	17	20	NA	NA	NA	NA	NA	NA	3.4	--
All Sectors	489	560	577	594	648	674	730	784	100.0	100.0
Average Retail Prices (cents/kWh)										
Residential	7.27	7.40	7.47	7.65	7.77	7.83	8.07	8.27	--	--
Commercial	6.62	6.24	6.04	6.18	6.20	6.47	6.61	6.97	--	--
Industrial	4.44	4.54	4.51	4.59	4.95	4.84	5.09	5.31	--	--
Other	4.28	3.63	NA	NA	NA	NA	NA	NA	--	--
All Sectors	6.26	6.26	6.35	6.44	6.60	6.70	6.89	7.14	--	--

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 9. Retail Electricity Sales Statistics, 2008

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Number of Entities	6	35	1	31	NA	NA	NA	73
Number of Retail Customers	227,899	58,242	21	145,346	NA	NA	NA	431,508
Retail Sales (thousand megawatthours)	5,586	1,490	317	3,581	NA	NA	NA	10,974
Percentage of Retail Sales	50.90	13.57	2.89	32.64	--	--	--	100.00
Revenue from Retail Sales (million dollars)	423	94	7	258	NA	NA	NA	784
Percentage of Revenue	54.05	12.04	0.94	32.96	--	--	--	100.00
Average Retail Price (cents/kWh)	7.58	6.33	2.34	7.21	NA	NA	NA	7.14

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Totals may not equal sum of components because of independent rounding. 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.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 10. Supply and Disposition of Electricity, 1998 and 2002 Through 2008
(Million Kilowatthours)

Category	1998	2002	2003	2004	2005	2006	2007	2008
South Dakota								
Supply								
Generation								
Electric Utilities	9,089	7,722	7,905	7,358	6,368	6,989	5,991	6,942
Independent Power Producers	-	-	39	153	152	143	145	140
Electric Power Sector Generation Subtotal	9,089	7,722	7,944	7,510	6,521	7,132	6,137	7,083
Combined Heat and Power, Commercial	-	-	-	-	-	-	-	-
Industrial and Commercial Generation Subtotal	-	-	-	-	-	-	R	*
Total Net Generation	9,089	7,722	7,944	7,510	6,521	7,132	6,137	7,083
Total International Imports	22	*	-	-	-	-	-	-
Total Supply	9,111	7,722	7,944	7,510	6,521	7,132	6,137	7,083
Disposition								
Retail Sales								
Full Service Providers	7,824	8,937	9,080	9,214	9,811	10,056	10,603	10,974
Total Electric Industry Retail Sales	7,824	8,937	9,080	9,214	9,811	10,056	10,603	10,974
Direct Use	-	-	-	-	-	-	-	1
Total International Exports	52	-	-	1	*	-	*	-
Estimated Losses	530	858	947	1,094	908	872	923	929
Total Disposition	8,406	9,795	10,027	10,308	10,719	10,928	11,527	11,904
Net Interstate Trade ¹	705	-2,073	-2,083	-2,798	-4,199 ^R	-3,796	-5,390	-4,821
Net Trade Index (ratio) ²	1.08	0.79	0.79	0.73	0.61	0.65	0.53	0.60

¹ Net Interstate Trade is the difference between Total Supply and Total Disposition.

² Net Trade Index is the ratio of Total Supply to Total Disposition.

R = Revised.

* = 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 *).

- (dash) = Data not available.

Notes: Totals may not equal sum of components because of independent rounding. 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. 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.

Sources: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms. U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry 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.

Table 1. 2008 Summary Statistics

Item	Value	U.S. Rank
Tennessee		
NERC Region(s).....		RFC/SERC
Primary Energy Source.....		Coal
Net Summer Capacity (megawatts)	20,891	18
Electric Utilities.....	20,456	11
Independent Power Producers & Combined Heat and Power.....	435	48
Net Generation (megawatthours).....	90,663,312	20
Electric Utilities.....	88,262,641	13
Independent Power Producers & Combined Heat and Power.....	2,400,671	43
Emissions (thousand metric tons)		
Sulfur Dioxide	221	15
Nitrogen Oxide	82	14
Carbon Dioxide.....	58,506	15
Sulfur Dioxide (lbs/MWh)	5.4	16
Nitrogen Oxide (lbs/MWh)	2.0	24
Carbon Dioxide (lbs/MWh).....	1,423	23
Total Retail Sales (megawatthours)	104,169,779	13
Full Service Provider Sales (megawatthours)	104,169,779	10
Direct Use (megawatthours)	2,472,111	19
Average Retail Price (cents/kWh).....	8.18	30

MWh = Megawatthours.

kWh = Kilowatthours.

Sources: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 2. Ten Largest Plants by Generating Capacity, 2008

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
Tennessee			
1. Cumberland	Coal	Tennessee Valley Authority	2,478
2. Johnsonville	Coal	Tennessee Valley Authority	2,341
3. Sequoyah	Nuclear	Tennessee Valley Authority	2,274
4. Raccoon Mountain.....	Pumped Storage	Tennessee Valley Authority	1,653
5. Gallatin	Coal	Tennessee Valley Authority	1,575
6. Kingston.....	Coal	Tennessee Valley Authority	1,425
7. Allen Steam Plant	Coal	Tennessee Valley Authority	1,203
8. Watts Bar Nuclear Plant	Nuclear	Tennessee Valley Authority	1,123
9. Lagoon Creek	Gas	Tennessee Valley Authority	941
10. Bull Run.....	Coal	Tennessee Valley Authority	870

MW = Megawatt.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2008
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
Tennessee						
1. Memphis City of.....	Public	14,715,560	5,520,941	5,023,315	4,169,386	1,918
2. Nashville Electric Service	Public	12,505,975	4,835,300	4,479,675	3,191,000	-
3. Tennessee Valley Authority	Federal	9,625,139	-	-	9,625,139	-
4. Knoxville Utilities Board.....	Public	5,770,441	2,502,206	1,888,821	1,379,414	-
5. Chattanooga City of.....	Public	5,662,652	2,111,141	1,923,956	1,627,555	-
Total Sales, Top Five Providers		48,279,767	14,969,588	13,315,767	19,992,494	1,918
Percent of Total State Sales		46	36	45	61	100

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatts)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Tennessee										
Electric Utilities.....	17,546	19,137	19,235	19,239	19,120	19,768	19,977	20,456	96.5	97.9
Coal.....	8,604	8,602	8,609	8,623	8,618	8,585	8,599	8,624	47.3	41.3
Petroleum.....	1,252	56	56	56	58	58	58	58	6.9	0.3
Natural Gas.....	571	3,116	3,128	3,137	3,032	3,659	3,632	4,082	3.1	19.5
Nuclear.....	3,357	3,389	3,398	3,398	3,398	3,398	3,397	3,397	18.5	16.3
Hydroelectric.....	2,230	2,348	2,389	2,429	2,415	2,429	2,635	2,639	12.3	12.6
Other Renewables.....	-	2	2	-	2	4	4	4	-	*
Pumped Storage.....	1,532	1,624	1,652	1,597	1,597	1,635	1,653	1,653	8.4	7.9
Independent Power Producers and Combined Heat and Power	630	1,587	1,659	1,702	1,629	1,137	885	435	3.5	2.1
Coal.....	362	276	276	276	256	256	217	217	2.0	1.0
Natural Gas.....	40	1,034	1,106	1,106	1,034	494	469	19	0.2	0.1
Hydroelectric.....	170	165	165	179	193	209	-	-	0.9	-
Other Renewables.....	19	112	112	141	146	179	199	199	0.1	1.0
Other.....	38	-	-	-	-	-	-	-	0.2	-
Total Electric Industry.....	18,175	20,723	20,893	20,941	20,749	20,905	20,861	20,891	100.0	100.0
Coal.....	8,966	8,878	8,885	8,899	8,874	8,841	8,816	8,841	49.3	42.3
Petroleum.....	1,252	56	56	56	58	58	58	58	6.9	0.3
Natural Gas.....	611	4,150	4,234	4,243	4,066	4,153	4,101	4,101	3.4	19.6
Nuclear.....	3,357	3,389	3,398	3,398	3,398	3,398	3,397	3,397	18.5	16.3
Hydroelectric.....	2,400	2,513	2,554	2,608	2,608	2,638	2,635	2,639	13.2	12.6
Other Renewables.....	19	114	114	141	148	182	203	203	0.1	1.0
Pumped Storage.....	1,532	1,624	1,652	1,597	1,597	1,635	1,653	1,653	8.4	7.9
Other.....	38	-	-	-	-	-	-	-	0.2	-

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatthours)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Tennessee										
Electric Utilities.....	94,142,638	92,570,929	88,678,127	94,371,964	93,942,273	90,960,035	92,474,664	88,262,641	96.3	97.4
Coal.....	55,120,297	58,080,553	53,376,149	56,583,558	57,560,600	59,146,323	58,849,255	55,752,210	56.4	61.5
Petroleum.....	699,233	250,325	379,007	166,943	201,121	137,187	155,646	207,233	0.7	0.2
Natural Gas.....	550,543	40,414	408,059	173,999	434,043	494,104	531,954	364,568	0.6	0.4
Nuclear.....	28,387,543	27,573,925	24,152,580	28,612,271	27,803,108	24,678,777	28,700,371	27,029,617	29.0	29.8
Hydroelectric.....	10,007,358	7,317,487	11,087,048	9,649,206	8,537,997	7,167,342	4,939,601	5,646,073	10.2	6.2
Other Renewables.....	-	4,068	3,933	3,813	3,339	3,842	2,201	1,619	-	*
Pumped Storage.....	-622,336	-695,843	-728,649	-817,826	-597,935	-667,540	-704,364	-738,679	-0.6	-0.8
Independent Power Producers and Combined Heat and Power.....	3,585,819	3,543,333	3,543,663	3,222,578	3,174,892	2,951,067	2,638,745	2,400,671	3.7	2.6
Coal.....	1,712,642	1,625,128	1,545,148	1,476,074	1,490,876	1,351,523	1,388,075	1,305,919	1.8	1.4
Petroleum.....	6,941	19,288	26,803	23,871	29,406	23,037	76,452	8,451	*	*
Natural Gas.....	307,320	429,159	218,927	118,487	97,122	170,170	189,884	102,662	0.3	0.1
Other Gases.....	15,845	11,873	2,834	13,325	14,598	13,635	13,488	12,030	*	*
Hydroelectric.....	798,670	656,175	916,598	758,906	771,544	581,308	-	-	0.8	-
Other Renewables.....	647,545	796,160	825,903	826,116	762,746	806,757	968,325	963,691	0.7	1.1
Other.....	96,856	5,550	7,451	5,799	8,600	4,637	2,520	7,917	0.1	*
Total Electric Industry.....	97,728,457	96,114,262	92,221,790	97,594,542	97,117,165	93,911,102	95,113,409	90,663,312	100.0	100.0
Coal.....	56,832,939	59,705,681	54,921,297	58,059,632	59,051,476	60,497,846	60,237,330	57,058,129	58.2	62.9
Petroleum.....	706,174	269,613	405,810	190,814	230,527	160,224	232,098	215,684	0.7	0.2
Natural Gas.....	857,863	469,573	626,986	292,486	531,165	664,274	721,838	467,230	0.9	0.5
Other Gases.....	15,845	11,873	2,834	13,325	14,598	13,635	13,488	12,030	*	*
Nuclear.....	28,387,543	27,573,925	24,152,580	28,612,271	27,803,108	24,678,777	28,700,371	27,029,617	29.0	29.8
Hydroelectric.....	10,806,028	7,973,662	12,003,646	10,408,112	9,309,541	7,748,650	4,939,601	5,646,073	11.1	6.2
Other Renewables.....	647,545	800,228	829,836	829,929	766,085	810,599	970,526	965,310	0.7	1.1
Pumped Storage.....	-622,336	-695,843	-728,649	-817,826	-597,935	-667,540	-704,364	-738,679	-0.6	-0.8
Other.....	96,856	5,550	7,451	5,799	8,600	4,637	2,520	7,917	0.1	*

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1998 and 2002 Through 2008

Fuel, Quality	1998	2002	2003	2004	2005	2006	2007	2008
Tennessee								
Coal (cents per million Btu)	112	W	W	W	W	W	W	W
Average heat value (Btu per pound).....	11,733	11,615	11,465	11,457	10,993	10,819	11,255	11,090
Average sulfur Content (percent)	1.69	1.32	1.19	1.27	1.09	1.11	1.16	1.22
Petroleum (cents per million Btu) ¹	304	536	619	842	1,262	1,400	1,611	W
Average heat value (Btu per gallon).....	139,886	139,900	139,902	139,357	137,160	136,379	135,000	136,198
Average sulfur Content (percent)	0.49	0.50	0.50	0.50	0.42	0.40	0.50	0.28
Natural Gas (cents per million Btu).....	-	323	620	W	870	W	W	W
Average heat value (Btu per cubic foot).....	-	1,024	1,025	1,035	1,032	1,030	1,032	1,031

¹ Petroleum includes petroleum liquids and petroleum coke.

Btu = British thermal unit.

W = Withheld to avoid disclosure of individual company data.

- (dash) = Data not available.

Note: Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. There may be a notable increase in fuel receipts beginning with 2008. For more information, please see the Technical Notes in the Electric Power Annual.

Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report." Federal Energy Regulatory Commission, FERC Form 423, "Monthly Cost and Quality of Fuels for Electric Plants." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 7. Electric Power Industry Emissions Estimates, 1998 and 2002 Through 2008
(Thousand Metric Tons)

Emission Type	1998	2002	2003	2004	2005	2006	2007	2008
Tennessee								
Sulfur Dioxide								
Coal.....	511	339	336	310	270	263	240	213
Petroleum.....	1	1	1	1	1	*	*	*
Natural Gas.....	*	*	*	R	R	R	R	*
Other Gases.....	*	-	-	-	-	-	-	-
Other Renewables.....	4 ^R	7	7	7	7	6	6	7
Other.....	*	*	*	*	*	*	*	-
Total.....	516	347	345	318	278	270	247	221
Nitrogen Oxide								
Coal.....	217	147	124	103	95	98	96	80
Petroleum.....	4	1	2	*	*	*	*	*
Natural Gas.....	2	1	2	*	1	1	1	*
Other Gases.....	*	*	*	*	*	*	*	*
Other Renewables.....	3 ^R	4	1	1	1	1	1	1
Other.....	*	*	*	*	*	*	*	*
Total.....	225	153	129	105	97	100	98	82
Carbon Dioxide								
Coal.....	59,154 ^R	58,849 ^R	55,292 ^R	58,581 ^R	59,723 ^R	61,209 ^R	60,537 ^R	57,931
Petroleum.....	644 ^R	271 ^R	464 ^R	245 ^R	289 ^R	212 ^R	344 ^R	211
Natural Gas.....	874 ^R	509 ^R	574 ^R	322 ^R	447 ^R	567 ^R	565 ^R	364
Other Renewables.....	118 ^R	-	-	-	-	-	-	-
Other.....	13 ^R	30	8	16	25	9	3	-
Total.....	60,804 ^R	59,659 ^R	56,338 ^R	59,163 ^R	60,484 ^R	61,997 ^R	61,449 ^R	58,506

R = Revised.

* = 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 *).

- (dash) = Data not available.

Source: Calculations made by the Electric Power Division, U. S. Energy Information Administration.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1998 and 2002 Through 2008

Sector	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Tennessee										
Retail Sales (thousand megawatthours)										
Residential	35,428	38,752	37,697	38,526	41,132	40,816	42,880	41,947	38.6	40.3
Commercial	24,840	26,523	27,481	28,249	29,146	29,033	29,985	29,418	27.1	28.2
Industrial	30,461	31,845	32,278	32,885	33,625	34,081	33,850	32,804	33.2	31.5
Other	1,021	1,113	NA	NA	NA	NA	NA	NA	1.1	--
Transportation.....	NA	NA	NA	1	1	1	2	2	--	*
All Sectors	91,750	98,233	97,456	99,661	103,905	103,932	106,717	104,170	100.0	100.0
Retail Revenue (million dollars).....										
Residential	2,238	2,483	2,467	2,657	2,872	3,164	3,363	3,739	43.4	43.9
Commercial	1,560	1,712	1,836	1,992	2,090	2,323	2,426	2,718	30.3	31.9
Industrial	1,269	1,322	1,384	1,466	1,591	1,761	1,758	2,063	24.6	24.2
Other	89	99	NA	NA	NA	NA	NA	NA	1.7	--
Transportation.....	NA	NA	NA	*	*	*	*	*	--	*
All Sectors	5,155	5,616	5,687	6,115	6,553	7,248	7,547	8,520	100.0	100.0
Average Retail Prices (cents/kWh)										
Residential	6.32	6.41	6.55	6.90	6.98	7.75	7.84	8.91	--	--
Commercial	6.28	6.45	6.68	7.05	7.17	8.00	8.09	9.24	--	--
Industrial	4.17	4.15	4.29	4.46	4.73	5.17	5.19	6.29	--	--
Other	8.71	8.92	NA	NA	NA	NA	NA	NA	--	--
Transportation.....	NA	NA	NA	11.75	11.46	11.18	10.31	10.17	--	--
All Sectors	5.62	5.72	5.84	6.14	6.31	6.97	7.07	8.18	--	--

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

* = 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 *).

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 9. Retail Electricity Sales Statistics, 2008

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Tennessee								
Number of Entities.....	3	62	1	25	1	NA	NA	92
Number of Retail Customers	46,985	2,160,220	36	940,697	1	NA	NA	3,147,939
Retail Sales (thousand megawatthours).....	2,257	70,303	9,625	21,868	117	NA	NA	104,170
Percentage of Retail Sales	2.17	67.49	9.24	20.99	0.11	--	--	100.00
Revenue from Retail Sales (million dollars)	113	5,934	473	1,994	6	NA	NA	8,520
Percentage of Revenue	1.33	69.65	5.55	23.41	0.07	--	--	100.00
Average Retail Price (cents/kWh).....	5.01	8.44	4.91	9.12	5.25	NA	NA	8.18

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Totals may not equal sum of components because of independent rounding. 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.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 10. Supply and Disposition of Electricity, 1998 and 2002 Through 2008
(Million Kilowatthours)

Category	1998	2002	2003	2004	2005	2006	2007	2008
Tennessee								
Supply								
Generation								
Electric Utilities	94,143	92,571	88,678	94,372	93,942	90,960	92,475	88,263
Independent Power Producers	21	208	55	29	39	119	123	78
Combined Heat and Power, Electric	*	*	-	-	-	-	-	-
Electric Power Sector Generation Subtotal	94,163	92,779	88,734	94,401	93,981	91,079	92,597	88,341
Combined Heat and Power, Commercial	143	86	112	111	101	108	121	82
Combined Heat and Power, Industrial.....	3,422	3,249	3,376	3,083	3,035	2,724	2,395	2,240
Industrial and Commercial Generation Subtotal	3,565	3,336	3,488	3,194	3,136	2,832	2,516	2,323
Total Net Generation	97,728	96,114	92,222	97,595	97,117	93,911	95,113	90,663
Total International Imports	-	-	*	*	-	-	-	-
Total Supply	97,728	96,114	92,222	97,595	97,117	93,911	95,113	90,663
Disposition								
Retail Sales								
Full Service Providers	91,750	98,233	96,384	99,661	102,292	102,737	106,001	104,053
Facility Direct Retail Sales ¹	-	-	1,072	-	1,614	1,194	716	117
Total Electric Industry Retail Sales	91,750	98,233	97,456	99,661	103,905	103,932	106,717	104,170
Direct Use	3,534	3,347	3,389	3,393	1,809	2,376	3,028	2,472
Estimated Losses	6,213	4,954	3,986^R	4,884^R	6,027^R	5,415	5,794	4,546
Total Disposition	101,498	106,534	104,831^R	107,937^R	111,741^R	111,723	115,539	111,188
Net Interstate Trade ²	-3,769	-10,420	-12,609^R	-10,343^R	-14,624^R	-17,812	-20,426	-20,525
Net Trade Index (ratio) ³	0.96	0.90	0.88	0.90	0.87	0.84	0.82	0.82

¹ Facility Direct Retail Sales are electricity sales from non utility power producers which reported electricity sales to a retail customer.

² Net Interstate Trade is the difference between Total Supply and Total Disposition.

³ Net Trade Index is the ratio of Total Supply to Total Disposition.

R = Revised.

* = 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 *).

- (dash) = Data not available.

Notes: Totals may not equal sum of components because of independent rounding. 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. 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.

Sources: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms. U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry 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.

Table 1. 2008 Summary Statistics

Item	Value	U.S. Rank
Texas		
NERC Region(s).....		SERC/SPP/TRE/WECC
Primary Energy Source.....		Gas
Net Summer Capacity (megawatts)	104,966	1
Electric Utilities.....	25,005	6
Independent Power Producers & Combined Heat and Power.....	79,960	1
Net Generation (megawatthours).....	404,787,781	1
Electric Utilities.....	94,637,160	8
Independent Power Producers & Combined Heat and Power.....	310,150,621	1
Emissions (thousand metric tons)		
Sulfur Dioxide	457	5
Nitrogen Oxide.....	215	2
Carbon Dioxide.....	252,055	1
Sulfur Dioxide (lbs/MWh)	2.5	33
Nitrogen Oxide (lbs/MWh)	1.2	38
Carbon Dioxide (lbs/MWh).....	1,373	25
Total Retail Sales (megawatthours).....	347,059,227	1
Full Service Provider Sales (megawatthours)	347,059,227	1
Deregulated Sales (megawatthours)	-	21
Direct Use (megawatthours)	34,523,984	1
Average Retail Price (cents/kWh).....	10.99	15

MWh = Megawatthours.

kWh = Kilowatthours.

- (dash) = Data not available.

Sources: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 2. Ten Largest Plants by Generating Capacity, 2008

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
Texas			
1. W A Parish.....	Coal	NRG Texas Power LLC	3,667
2. South Texas Project.....	Nuclear	STP Nuclear Operating Co	2,560
3. Martin Lake	Coal	TXU Generation Co LP	2,418
4. Comanche Peak	Nuclear	TXU Generation Co LP	2,367
5. P H Robinson.....	Gas	NRG Texas Power LLC	2,211
6. Monticello.....	Coal	TXU Generation Co LP	1,931
7. Sabine	Gas	Entergy Texas Inc.	1,814
8. Limestone	Coal	NRG Texas Power LLC	1,689
9. Fayette Power Project.....	Coal	Lower Colorado River Authority	1,641
10. Forney Energy Center.....	Gas	FPLE Forney LP	1,640

MW = Megawatt.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2008
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
1. Reliant Energy Retail Services LLC	Investor-Owned	55,122,096	20,900,083	4,229,061	29,992,952	-
2. TXU Energy Retail Co LP	Investor-Owned	49,322,828	27,921,979	7,346,762	14,054,087	-
3. San Antonio City of.....	Public	19,600,142	8,616,517	9,787,166	1,196,459	-
4. Constellation NewEnergy, Inc.....	Investor-Owned	17,563,470	-	7,800,817	9,762,653	-
5. Entergy Texas Inc.....	Investor-Owned	15,533,487	5,244,889	4,340,205	5,948,393	-
Total Sales, Top Five Providers		157,142,023	62,683,468	33,504,011	60,954,544	-
Percent of Total State Sales		45	49	30	58	-

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatts)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Electric Utilities.....	65,208	38,903	22,629	22,897	24,033	24,991	24,569	25,005	87.4	23.8
Coal.....	19,731	12,398	8,189	8,320	8,984	8,889	8,904	8,978	26.5	8.6
Petroleum.....	37	5	5	13	13	13	13	15	*	*
Natural Gas.....	39,932	23,274	13,729	13,889	14,329	15,271	14,841	15,307	53.5	14.6
Other Gases.....	-	-	-	-	-	104	104	-	-	-
Nuclear.....	4,800	2,529	-	-	-	-	-	-	6.4	-
Hydroelectric.....	694	690	692	661	666	674	666	665	0.9	0.6
Other Renewables.....	1	7	1	1	1	1	1	1	*	*
Other.....	13	-	13	13	39	39	39	39	*	*
Independent Power Producers and Combined Heat and Power.....	9,363	55,585	76,964	78,207	77,013	75,763	77,369	79,960	12.6	76.2
Coal.....	338	7,798	11,864	11,881	11,204	10,954	10,913	11,211	0.5	10.7
Petroleum.....	248	779	785	217	209	207	203	203	0.3	0.2
Natural Gas.....	8,330	43,179	57,730	59,327	58,397	56,467	56,311	55,549	11.2	52.9
Other Gases.....	192	295	289	359	237	183	204	187	0.3	0.2
Nuclear.....	-	2,208	4,768	4,860	4,860	4,860	4,860	4,927	-	4.7
Hydroelectric.....	2	7	7	7	7	7	7	7	*	*
Other Renewables.....	184	1,200	1,432	1,431	1,940	2,924	4,710	7,706	0.2	7.3
Other.....	70	118	89	123	160	161	160	170	0.1	0.2
Total Electric Industry.....	74,571	94,488	99,594	101,104	101,046	100,754	101,938	104,966	100.0	100.0
Coal.....	20,069	20,196	20,053	20,201	20,188	19,843	19,817	20,189	26.9	19.2
Petroleum.....	284	784	790	231	222	220	216	218	0.4	0.2
Natural Gas.....	48,262	66,453	71,459	73,216	72,726	71,737	71,152	70,856	64.7	67.5
Other Gases.....	192	295	289	359	237	287	308	187	0.3	0.2
Nuclear.....	4,800	4,737	4,768	4,860	4,860	4,860	4,860	4,927	6.4	4.7
Hydroelectric.....	695	697	699	668	673	681	673	673	0.9	0.6
Other Renewables.....	185	1,208	1,434	1,433	1,941	2,925	4,712	7,708	0.2	7.3
Other.....	83	118	102	136	199	200	199	209	0.1	0.2

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatthours)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Texas										
Electric Utilities.....	293,068,377	149,587,269	86,882,044	92,054,150	95,187,030	94,637,956	97,259,636	94,637,160	82.5	23.4
Coal.....	132,626,804	90,259,574	60,288,940	63,893,450	61,275,542	59,478,349	61,656,860	62,262,810	37.3	15.4
Petroleum.....	136,818	25,987	257,818	67,624	68,365	72,613	62,424	25,575	*	*
Natural Gas.....	120,200,589	39,173,483	25,473,500	26,726,978	32,324,018	34,131,142	33,699,541	31,102,952	33.8	7.7
Nuclear.....	38,685,129	19,049,602	-	-	-	-	-	-	10.9	-
Hydroelectric.....	1,418,903	1,076,338	858,933	1,266,098	1,288,469	611,491	1,593,542	989,185	0.4	0.2
Other Renewables.....	134	2,285	2,852	2,454	1,056	393	736	1,279	*	*
Other.....	-	-	-	97,546	229,580	343,968	246,533	255,358	-	0.1
Independent Power Producers and Combined Heat and Power.....	62,251,787	236,041,272	292,317,641	298,244,982	301,481,692	305,944,922	308,232,660	310,150,621	17.5	76.6
Coal.....	2,799,221	51,587,666	86,700,570	84,991,205	87,082,481	86,912,992	85,622,029	84,869,030	0.8	21.0
Petroleum.....	1,443,274	1,594,977	2,257,437	1,661,282	1,514,330	1,716,570	1,246,479	1,007,944	0.4	0.2
Natural Gas.....	51,943,335	157,259,926	159,437,850	162,027,685	165,341,240	163,739,091	165,831,740	162,144,126	14.6	40.1
Other Gases.....	4,077,715	3,052,992	5,999,489	4,203,684	3,271,768	3,798,403	3,601,211	3,400,506	1.1	0.8
Nuclear.....	-	16,568,402	33,437,484	40,435,372	38,232,493	41,264,278	40,955,030	40,727,370	-	10.1
Hydroelectric.....	5,918	47,154	37,606	34,511	44,091	50,480	50,895	50,282	*	*
Other Renewables.....	1,428,990	3,972,969	3,962,885	4,244,234	5,334,556	7,817,867	10,286,876	17,637,815	0.4	4.4
Other.....	553,334	1,957,186	484,320	647,010	660,733	645,240	638,399	313,547	0.2	0.1
Total Electric Industry.....	355,320,164	385,628,541	379,199,685	390,299,132	396,668,722	400,582,878	405,492,296	404,787,781	100.0	100.0
Coal.....	135,426,025	141,847,240	146,989,510	148,884,655	148,358,023	146,391,341	147,278,889	147,131,841	38.1	36.3
Petroleum.....	1,580,092	1,620,964	2,515,255	1,728,906	1,582,695	1,789,183	1,308,904	1,033,520	0.4	0.3
Natural Gas.....	172,143,924	196,433,409	184,911,350	188,754,663	197,665,258	197,870,233	199,531,281	193,247,078	48.4	47.7
Other Gases.....	4,077,715	3,052,992	5,999,489	4,203,684	3,271,768	3,798,403	3,601,211	3,400,506	1.1	0.8
Nuclear.....	38,685,129	35,618,004	33,437,484	40,435,372	38,232,493	41,264,278	40,955,030	40,727,370	10.9	10.1
Hydroelectric.....	1,424,821	1,123,492	896,539	1,300,609	1,332,560	661,971	1,644,437	1,039,467	0.4	0.3
Other Renewables.....	1,429,124	3,975,254	3,965,737	4,246,688	5,335,612	7,818,260	10,287,612	17,639,094	0.4	4.4
Other.....	553,334	1,957,186	484,320	744,556	890,313	989,208	884,932	568,905	0.2	0.1

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1998 and 2002 Through 2008

Fuel, Quality	1998	2002	2003	2004	2005	2006	2007	2008
Texas								
Coal (cents per million Btu)	124	126	125	131	129	W	W	162
Average heat value (Btu per pound).....	7,509	7,677	7,605	7,641	7,611	7,665	7,681	7,759
Average sulfur Content (percent).....	0.71	0.68	0.78	0.77	0.74	0.67	0.60	0.56
Petroleum (cents per million Btu) ¹	113	200	423	171	248	W	240	312
Average heat value (Btu per gallon).....	99,067	140,340	139,979	137,700	137,955	137,876	136,814	136,638
Average sulfur Content (percent).....	2.69	3.91	1.40	3.32	3.64	3.64	3.68	3.85
Natural Gas (cents per million Btu).....	225	332	528	577	783	645	664	876
Average heat value (Btu per cubic foot).....	1,024	1,023	1,029	1,026	1,029	1,025	1,023	1,023

¹ Petroleum includes petroleum liquids and petroleum coke.
Btu = British thermal unit.

W = Withheld to avoid disclosure of individual company data.

Note: Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. There may be a notable increase in fuel receipts beginning with 2008. For more information, please see the Technical Notes in the Electric Power Annual.

Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report." Federal Energy Regulatory Commission, FERC Form 423, "Monthly Cost and Quality of Fuels for Electric Plants." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 7. Electric Power Industry Emissions Estimates, 1998 and 2002 Through 2008 (Thousand Metric Tons)

Emission Type	1998	2002	2003	2004	2005	2006	2007	2008
Texas								
Sulfur Dioxide								
Coal.....	650	555	573	531	537	523	449	436
Petroleum.....	49	83	22	21	6	29	13	7
Natural Gas.....	*	*	1	1	1	1	1	1
Other Gases.....	*	*	*	*	*	*	*	*
Other Renewables.....	15	5	18	21	5	6	6	13
Other.....	*	*	*	R	*	*	*	-
Total.....	714	644	614	574	549	558	468	457
Nitrogen Oxide								
Coal.....	245	163	146	132	126	120	113	112
Petroleum.....	17	12	5	7	5	8	3	1
Natural Gas.....	256	131	131	117	104	109	105	86
Other Gases.....	5	18	18	9	7	14	14	6
Other Renewables.....	6	6	8	9	5	6	8	9
Other.....	2	3	*	*	*	3	4	-
Total.....	531	333	308	273	247	260	247	215
Carbon Dioxide								
Coal.....	141,626 ^R	145,679 ^R	151,251 ^R	153,784 ^R	153,892 ^R	152,111 ^R	152,015 ^R	151,763
Petroleum.....	1,896 ^R	2,348 ^R	2,918 ^R	2,732 ^R	2,197 ^R	2,898 ^R	1,815 ^R	1,381
Natural Gas.....	105,285 ^R	109,846 ^R	102,960 ^R	102,306 ^R	104,656 ^R	104,617 ^R	103,317 ^R	98,911
Other.....	-	48 ^R	-	-	-	-	-	-
Total.....	248,807 ^R	257,920 ^R	257,129 ^R	258,822 ^R	260,745 ^R	259,625 ^R	257,147 ^R	252,055

R = Revised.

* = 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 *).

- (dash) = Data not available.

Source: Calculations made by the Electric Power Division, U. S. Energy Information Administration.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1998 and 2002 Through 2008

Sector	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Texas										
Retail Sales (thousand megawatthours)										
Residential	110,434	121,435	121,355	120,330	126,562	126,843	124,921	127,712	36.2	36.8
Commercial	77,231	87,746	96,694	99,616	110,784	111,130	110,540	113,473	25.3	32.7
Industrial	102,702	102,251	104,547	100,588	96,841	104,689	108,300	105,806	33.7	30.5
Other	14,337	9,414	NA	NA	NA	NA	NA	NA	4.7	--
Transportation.....	NA	NA	90	81	71	62	67	69	--	*
All Sectors	304,705	320,846	322,686	320,615	334,258	342,724	343,829	347,059	100.0	100.0
Retail Revenue (million dollars).....										
Residential	8,448	9,778	11,111	11,707	13,832	16,307	15,419	16,649	45.7	43.6
Commercial	5,074	6,095	7,581	7,867	9,810	10,951	10,910	12,193	27.4	32.0
Industrial	4,047	4,761	5,512	5,902	6,916	8,185	8,439	9,301	21.9	24.4
Other	917	616	NA	NA	NA	NA	NA	NA	5.0	--
Transportation.....	NA	NA	6	6	6	5	6	6	--	*
All Sectors	18,486	21,251	24,211	25,482	30,564	35,448	34,773	38,150	100.0	100.0
Average Retail Prices (cents/kWh)										
Residential	7.65	8.05	9.16	9.73	10.93	12.86	12.34	13.04	--	--
Commercial	6.57	6.95	7.84	7.90	8.85	9.85	9.87	10.75	--	--
Industrial	3.94	4.66	5.27	5.87	7.14	7.82	7.79	8.79	--	--
Other	6.40	6.55	NA	NA	NA	NA	NA	NA	--	--
Transportation.....	NA	NA	6.62	7.02	8.45	8.42	8.40	8.64	--	--
All Sectors	6.07	6.62	7.50	7.95	9.14	10.34	10.11	10.99	--	--

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

* = 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 *).

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 9. Retail Electricity Sales Statistics, 2008

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Texas								
Number of Entities.....	73	72	NA	67	10	NA	7	229
Number of Retail Customers	7,477,788	1,654,996	NA	1,858,235	10	NA	-	10,991,029
Retail Sales (thousand megawatthours).....	254,229	46,614	NA	39,690	6,526	NA	-	347,059
Percentage of Retail Sales	73.25	13.43	--	11.44	1.88	--	-	100.00
Revenue from Retail Sales (million dollars)	28,944	4,202	NA	4,462	542	NA	-	38,150
Percentage of Revenue	75.87	11.02	--	11.69	1.42	--	-	100.00
Average Retail Price (cents/kWh).....	11.39	9.02	NA	11.24	8.31	NA	NA	10.99

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

- (dash) = Data not available.

Notes: Totals may not equal sum of components because of independent rounding. 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.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 10. Supply and Disposition of Electricity, 1998 and 2002 Through 2008
(Million Kilowatthours)

Category	1998	2002	2003	2004	2005	2006	2007	2008
Texas								
Supply								
Generation								
Electric Utilities	293,068	149,587	86,882	92,054	95,187	94,638	97,260	94,637
Independent Power Producers	183	138,777	197,114	205,978	216,933	224,749	224,719	229,159
Combined Heat and Power, Electric	23,626	56,862	55,432	49,841	44,759	41,286	46,010	45,785
Electric Power Sector Generation Subtotal	316,877	345,226	339,428	347,872	356,879	360,674	367,989	369,581
Combined Heat and Power, Commercial	482	471	495	476	508	521	476	467
Combined Heat and Power, Industrial.....	37,961	39,932	39,277	41,951	39,282	39,388	37,028	34,740
Industrial and Commercial Generation Subtotal	38,443	40,402	39,772	42,427	39,790	39,909	37,503	35,206
Total Net Generation	355,320	385,629	379,200	390,299	396,669	400,583	405,492	404,788
Total International Imports	738	80	80	79	78	80	160	961
Total Supply	356,059	385,709	379,279	390,378	396,747	400,662	405,653	405,749
Disposition								
Retail Sales								
Full Service Providers	304,705	320,846	312,902	318,116	330,118	338,259	335,439	340,533
Facility Direct Retail Sales ¹	-	-	9,784	2,499	4,141	4,465	8,389	6,526
Total Electric Industry Retail Sales	304,705	320,846	322,686	320,615	334,258	342,724	343,829	347,059
Direct Use	39,313	41,183	41,706	41,749	45,497	33,122	34,602	34,524
Total International Exports	5	299	297	295	298	292	402	1,013
Estimated Losses	20,635	17,661	15,302^R	20,136^R	14,499^R	17,368	18,231	23,399
Total Disposition	364,657	379,989	379,991^R	382,795^R	394,552^R	393,506	397,064	405,995
Net Interstate Trade ²	-8,599	5,720	-712^R	7,583^R	2,195^R	7,157	8,589	-246
Net Trade Index (ratio) ³	0.98	1.02	1.00	1.02	1.01	1.02	1.02	1.00

¹ Facility Direct Retail Sales are electricity sales from non utility power producers which reported electricity sales to a retail customer.

² Net Interstate Trade is the difference between Total Supply and Total Disposition.

³ Net Trade Index is the ratio of Total Supply to Total Disposition.

R = Revised.

- (dash) = Data not available.

Notes: Totals may not equal sum of components because of independent rounding. 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. 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.

Sources: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms. U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry 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.

Table 1. 2008 Summary Statistics

Item	Value	U.S. Rank
Utah		
NERC Region(s).....		WECC
Primary Energy Source.....		Coal
Net Summer Capacity (megawatts)	7,132	38
Electric Utilities.....	6,499	31
Independent Power Producers & Combined Heat and Power.....	633	47
Net Generation (megawatthours).....	46,578,763	33
Electric Utilities.....	44,424,071	25
Independent Power Producers & Combined Heat and Power.....	2,154,691	44
Emissions (thousand metric tons)		
Sulfur Dioxide	22	37
Nitrogen Oxide	65	22
Carbon Dioxide.....	39,329	26
Sulfur Dioxide (lbs/MWh)	1.1	43
Nitrogen Oxide (lbs/MWh)	3.1	12
Carbon Dioxide (lbs/MWh).....	1,861	10
Total Retail Sales (megawatthours).....	28,191,511	37
Full Service Provider Sales (megawatthours)	28,191,511	36
Direct Use (megawatthours)	943,389	31
Average Retail Price (cents/kWh).....	6.49	47

MWh = Megawatthours.

kWh = Kilowatthours.

Sources: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 2. Ten Largest Plants by Generating Capacity, 2008

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. Lake Side Power Plant.....	Gas	PacifiCorp	489
6. Bonanza	Coal	Deseret Generation & Tran Coop	458
7. Gadsby	Gas	PacifiCorp	348
8. KUCC.....	Coal	Kennecott Utah Copper Corporation	207
9. West Valley Generation Project.....	Gas	CER Generation LLC	202
10. Carbon	Coal	PacifiCorp	172

MW = Megawatt.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2008
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
1. PacifiCorp.....	Investor-Owned	22,653,485	6,560,579	7,933,925	8,126,007	32,974
2. Provo City Corp.....	Public	775,077	244,540	397,016	133,521	-
3. City of St George.....	Public	609,018	269,126	111,090	228,802	-
4. City of Murray.....	Public	437,456	119,032	307,226	11,198	-
5. City of Logan.....	Public	420,891	97,142	226,059	97,690	-
Total Sales, Top Five Providers.....		24,895,927	7,290,419	8,975,316	8,597,218	32,974
Percent of Total State Sales.....		88	83	87	95	100

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatts)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Utah										
Electric Utilities.....	5,077	5,573	5,574	5,754	6,053	6,212	6,710	6,499	97.5	91.1
Coal.....	4,448	4,461	4,461	4,645	4,645	4,645	4,645	4,645	85.4	65.1
Petroleum.....	33	45	46	38	35	35	25	25	0.6	0.3
Natural Gas.....	296	782	782	796	1,098	1,257	1,755	1,542	5.7	21.6
Hydroelectric.....	265	252	252	252	253	253	253	253	5.1	3.6
Other Renewables.....	35	33	33	23	23	23	33	34	0.7	0.5
Pumped Storage.....	*	-	-	-	-	-	-	-	*	-
Independent Power Producers and Combined Heat and Power.....	130	179	223	436	475	500	412	633	2.5	8.9
Coal.....	54	101	144	181	246	246	226	226	1.0	3.2
Petroleum.....	19	3	3	-	-	-	-	-	0.4	-
Natural Gas.....	4	72	72	195	225	215	179	381	0.1	5.3
Other Gases.....	48	-	-	-	-	-	-	-	0.9	-
Hydroelectric.....	4	2	2	2	2	2	2	2	0.1	*
Other Renewables.....	-	1	1	1	1	4	5	23	-	0.3
Other.....	-	-	-	57	-	32	-	-	-	-
Total Electric Industry.....	5,206	5,752	5,797	6,190	6,528	6,712	7,122	7,132	100.0	100.0
Coal.....	4,502	4,562	4,606	4,826	4,891	4,891	4,871	4,871	86.5	68.3
Petroleum.....	53	48	49	38	35	35	25	25	1.0	0.3
Natural Gas.....	300	854	854	991	1,323	1,473	1,934	1,923	5.8	27.0
Other Gases.....	48	-	-	-	-	-	-	-	0.9	-
Hydroelectric.....	269	254	254	254	255	255	255	256	5.2	3.6
Other Renewables.....	35	34	34	24	24	27	38	57	0.7	0.8
Pumped Storage.....	*	-	-	-	-	-	-	-	*	-
Other.....	-	-	-	57	-	32	-	-	-	-

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatthours)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Utah										
Electric Utilities.....	35,160,477	36,071,946	37,544,892	37,165,917	36,695,193	39,590,509	43,319,965	44,424,071	97.9	95.4
Coal.....	33,206,731	34,080,979	35,579,158	35,634,374	34,824,862	35,667,551	35,910,192	36,761,964	92.5	78.9
Petroleum.....	31,289	53,469	31,386	32,567	40,245	29,619	38,828	43,612	0.1	0.1
Natural Gas.....	463,348	1,268,326	1,322,984	864,181	874,505	2,965,072	6,673,998	6,705,185	1.3	14.4
Hydroelectric.....	1,299,052	451,521	412,899	439,919	770,779	737,659	533,021	659,033	3.6	1.4
Other Renewables.....	160,057	217,651	198,465	194,876	184,802	190,608	163,925	254,277	0.4	0.5
Independent Power Producers and Combined Heat and Power.....	749,953	536,057	478,774	1,046,060	1,469,938	1,672,815	2,052,610	2,154,691	2.1	4.6
Coal.....	380,943	406,744	399,490	983,480	1,145,543	1,187,999	1,260,602	1,258,402	1.1	2.7
Petroleum.....	3,659	50	1,480	34	664	32,507	319	-	*	-
Natural Gas.....	64,909	111,855	60,123	45,669	302,996	423,478	750,220	661,122	0.2	1.4
Other Gases.....	284,783	-	-	-	-	-	-	35,788	0.8	0.1
Hydroelectric.....	15,659	6,211	8,440	9,929	13,684	9,124	5,761	9,051	*	*
Other Renewables.....	-	6,270	5,083	3,821	3,948	14,868	31,030	47,585	-	0.1
Other.....	-	4,927	4,158	3,126	3,102	4,838	4,679	142,743	-	0.3
Total Electric Industry.....	35,910,430	36,608,003	38,023,666	38,211,977	38,165,131	41,263,324	45,372,575	46,578,763	100.0	100.0
Coal.....	33,587,674	34,487,723	35,978,648	36,617,854	35,970,405	36,855,550	37,170,794	38,020,367	93.5	81.6
Petroleum.....	34,948	53,519	32,866	32,601	40,909	62,126	39,147	43,612	0.1	0.1
Natural Gas.....	528,257	1,380,181	1,383,107	909,850	1,177,501	3,388,550	7,424,218	7,366,307	1.5	15.8
Other Gases.....	284,783	-	-	-	-	-	-	35,788	0.8	0.1
Hydroelectric.....	1,314,711	457,732	421,339	449,848	784,463	746,783	538,782	668,084	3.7	1.4
Other Renewables.....	160,057	223,921	203,548	198,697	188,750	205,476	194,955	301,862	0.4	0.6
Other.....	-	4,927	4,158	3,126	3,102	4,838	4,679	142,743	-	0.3

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1998 and 2002 Through 2008

Fuel, Quality	1998	2002	2003	2004	2005	2006	2007	2008
Utah								
Coal (cents per million Btu)	115	W	W	W	W	W	W	W
Average heat value (Btu per pound).....	11,310	11,223	11,025	10,718	10,786	10,981	11,156	11,060
Average sulfur Content (percent)	0.46	0.55	0.55	0.52	0.52	0.58	0.58	0.53
Petroleum (cents per million Btu) ¹	440	556	722	924	1,291	1,525	1,753	2,217
Average heat value (Btu per gallon).....	139,757	139,821	139,493	139,512	139,752	139,660	139,376	138,979
Average sulfur Content (percent)	0.26	0.28	0.23	0.23	0.26	0.25	0.25	0.30
Natural Gas (cents per million Btu).....	202	W	W	W	W	W	W	W
Average heat value (Btu per cubic foot).....	1,044	1,056	1,062	1,049	1,047	1,052	1,051	1,036

¹ Petroleum includes petroleum liquids and petroleum coke.
Btu = British thermal unit.

W = Withheld to avoid disclosure of individual company data.

Note: Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. There may be a notable increase in fuel receipts beginning with 2008. For more information, please see the Technical Notes in the Electric Power Annual.

Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report." Federal Energy Regulatory Commission, FERC Form 423, "Monthly Cost and Quality of Fuels for Electric Plants." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 7. Electric Power Industry Emissions Estimates, 1998 and 2002 Through 2008 (Thousand Metric Tons)

Emission Type	1998	2002	2003	2004	2005	2006	2007	2008
Utah								
Sulfur Dioxide								
Coal	30	30	32	34	31	34	25	22
Petroleum	*	*	*	*	*R	*	*	*
Natural Gas	*	*	*	*	*	*	*	*
Other Gases	*	-	-	-	-	-	-	-
Other Renewables	-	1	*	*	*	-	*	*
Other	-	1	*	*	*	-	*	*
Total	31	32	32	34	31	34	25	22
Nitrogen Oxide								
Coal	69	65	64	65	62	68	67	62
Petroleum	*	*	*	*	*	*	*	*
Natural Gas	1	2	2	1	1	1	3	2
Other Gases	*	-	-	-	-	-	-	-
Other Renewables	-	3	*	*	*	*	*	*
Other	-	3	*	*	*	-	*	*
Total	71	74	66	66	64	69	70	65
Carbon Dioxide								
Coal	31,368 ^R	32,825 ^R	33,859 ^R	34,860 ^R	35,475 ^R	35,057 ^R	35,456 ^R	36,054
Petroleum	34	42 ^R	26	26	31	56 ^R	31	33
Natural Gas	378 ^R	836 ^R	784 ^R	528 ^R	701 ^R	1,631 ^R	3,321 ^R	3,182
Geothermal	4	6	5	5	5	5	4	7
Other	-	59	54	57	58 ^R	56	46	54
Total	31,784 ^R	33,768 ^R	34,728 ^R	35,476 ^R	36,270 ^R	36,805 ^R	38,858 ^R	39,329

R = Revised.

* = 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 *).

- (dash) = Data not available.

Source: Calculations made by the Electric Power Division, U. S. Energy Information Administration.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1998 and 2002 Through 2008

Sector	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Utah										
Retail Sales (thousand megawatthours)										
Residential	5,756	6,938	7,166	7,325	7,567	8,232	8,752	8,786	27.8	31.2
Commercial	6,709	8,463	9,024	9,345	9,417	9,749	10,241	10,286	32.4	36.5
Industrial	7,511	7,019	7,646	7,816	7,989	8,356	8,759	9,086	36.3	32.2
Other	724	846	NA	NA	NA	NA	NA	NA	3.5	--
Transportation.....	NA	NA	25	25	28	29	34	33	--	0.1
All Sectors	20,700	23,267	23,860	24,512	25,000	26,366	27,785	28,192	100.0	100.0
Retail Revenue (million dollars).....										
Residential	394	471	494	528	569	625	714	725	36.9	39.6
Commercial	383	474	504	551	571	599	669	686	35.8	37.5
Industrial	259	269	290	314	339	352	396	417	24.3	22.8
Other	33	40	NA	NA	NA	NA	NA	NA	3.0	--
Transportation.....	NA	NA	1	2	2	2	3	3	--	0.1
All Sectors	1,069	1,255	1,290	1,395	1,481	1,578	1,782	1,830	100.0	100.0
Average Retail Prices (cents/kWh)										
Residential	6.84	6.79	6.90	7.21	7.52	7.59	8.15	8.26	--	--
Commercial	5.71	5.60	5.59	5.90	6.07	6.15	6.54	6.66	--	--
Industrial	3.45	3.84	3.79	4.01	4.24	4.21	4.52	4.59	--	--
Other	4.50	4.69	NA	NA	NA	NA	NA	NA	--	--
Transportation.....	NA	NA	6.01	6.57	7.20	7.19	7.44	7.85	--	--
All Sectors	5.16	5.39	5.41	5.69	5.92	5.99	6.41	6.49	--	--

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 9. Retail Electricity Sales Statistics, 2008

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Number of Entities.....	1	40	1	9	NA	NA	NA	51
Number of Retail Customers	780,339	226,208	10	42,853	NA	NA	NA	1,049,410
Retail Sales (thousand megawatthours).....	22,653	4,441	56	1,042	NA	NA	NA	28,192
Percentage of Retail Sales	80.36	15.75	0.20	3.69	--	--	--	100.00
Revenue from Retail Sales (million dollars)	1,419	342	1	68	NA	NA	NA	1,830
Percentage of Revenue	77.52	18.67	0.07	3.74	--	--	--	100.00
Average Retail Price (cents/kWh).....	6.26	7.70	2.41	6.56	NA	NA	NA	6.49

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Totals may not equal sum of components because of independent rounding. 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.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 10. Supply and Disposition of Electricity, 1998 and 2002 Through 2008
(Million Kilowatthours)

Category	1998	2002	2003	2004	2005	2006	2007	2008
Utah								
Supply								
Generation								
Electric Utilities	35,160	36,072	37,545	37,166	36,695	39,591	43,320	44,424
Independent Power Producers	395	485	447	406	706	829	1,096	976
Combined Heat and Power, Electric	-	11	9	7	7	11	11	-2
Electric Power Sector Generation Subtotal	35,556	36,568	38,002	37,579	37,408	40,430	44,427	45,398
Combined Heat and Power, Commercial	26	24	22	21	20	28	45	6
Combined Heat and Power, Industrial.....	329	16	-	612	737	805	901	1,175
Industrial and Commercial Generation Subtotal	355	40	22	633	757	833	946	1,180
Total Net Generation	35,910	36,608	38,024	38,212	38,165	41,263	45,373	46,579
Total International Imports	2	9	6	15	41	15	22	12
Total Supply	35,912	36,617	38,029	38,227	38,206	41,279	45,394	46,591
Disposition								
Retail Sales								
Full Service Providers	20,700	23,267	23,860	24,512	25,000	26,366	27,785	28,192
Total Electric Industry Retail Sales	20,700	23,267	23,860	24,512	25,000	26,366	27,785	28,192
Direct Use	386	356	360	361	742	967	1,001	943
Total International Exports	-	-	-	-	1	1	38	55
Estimated Losses	1,402	1,892	1,522^R	1,861^R	2,135^R	2,323	2,432	2,316
Total Disposition	22,488	25,515	25,743^R	26,733^R	27,878^R	29,656	31,256	31,505
Net Interstate Trade¹	13,424	11,102	12,286	11,494	10,328^R	11,622	14,138	15,086
Net Trade Index (ratio)²	1.60	1.44	1.48	1.43	1.37	1.39	1.45	1.48

¹ Net Interstate Trade is the difference between Total Supply and Total Disposition.

² Net Trade Index is the ratio of Total Supply to Total Disposition.

R = Revised.

- (dash) = Data not available.

Notes: Totals may not equal sum of components because of independent rounding. 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. 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.

Sources: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms. U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry 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.

Table 1. 2008 Summary Statistics

Item	Value	U.S. Rank
Vermont		
NERC Region(s).....		NPCC
Primary Energy Source.....		Nuclear
Net Summer Capacity (megawatts)	1,127	50
Electric Utilities.....	259	45
Independent Power Producers & Combined Heat and Power.....	869	40
Net Generation (megawatthours).....	6,820,216	49
Electric Utilities.....	752,800	43
Independent Power Producers & Combined Heat and Power.....	6,067,416	37
Emissions (thousand metric tons)		
Sulfur Dioxide	*	51
Nitrogen Oxide	*	50
Carbon Dioxide.....	7	51
Sulfur Dioxide (lbs/MWh)	*	51
Nitrogen Oxide (lbs/MWh)	0.1	51
Carbon Dioxide (lbs/MWh).....	2	51
Total Retail Sales (megawatthours)	5,741,204	51
Full Service Provider Sales (megawatthours)	5,741,204	49
Direct Use (megawatthours)	797,487	33
Average Retail Price (cents/kWh).....	12.33	14

MWh = Megawatthours.

kWh = Kilowatthours.

* = 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 *).

Sources: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 2. Ten Largest Plants by Generating Capacity, 2008

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.,	48
4. Wilder	Hydroelectric	TransCanada Hydro Northeast Inc.,	41
5. Harriman	Hydroelectric	TransCanada Hydro Northeast Inc.,	41
6. Berlin 5	Petroleum	Green Mountain Power Corp	35
7. Vernon	Hydroelectric	TransCanada Hydro Northeast Inc.,	34
8. Sheldon Springs Hydroelectric.....	Hydroelectric	Sheldon Vermont Hydro Co., Inc.	24
9. Ryegate Power Station.....	Other Renewables	SUEZ Energy Generation NA Inc	20
10. Burlington GT.....	Petroleum	City of Burlington-Electric	20

MW = Megawatt.

NA = Not available.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2008
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
Vermont						
1. Central Vermont Pub Serv Corp.....	Investor-Owned	2,259,211	982,966	879,504	396,741	-
2. Green Mountain Power Corp.....	Investor-Owned	1,957,655	577,823	710,740	669,092	-
3. Vermont Electric Cooperative, Inc.....	Cooperative	439,782	220,281	125,669	93,832	-
4. City of Burlington-Electric.....	Public	359,937	88,062	198,192	73,683	-
5. Omya Inc.....	Investor-Owned	219,001	6,633	4,890	207,478	-
Total Sales, Top Five Providers.....		5,235,586	1,875,765	1,918,995	1,440,826	-
Percent of Total State Sales.....		91	88	94	92	-

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatts)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Vermont										
Electric Utilities.....	774	261	260	251	258	259	258	259	78.9	22.9
Petroleum.....	117	107	107	101	100	101	101	101	11.9	9.0
Nuclear.....	500	-	-	-	-	-	-	-	51.0	-
Hydroelectric.....	103	102	96	93	100	101	99	100	10.6	8.9
Other Renewables.....	53	53	57	57	57	57	57	57	5.4	5.1
Independent Power Producers and Combined Heat and Power.....	207	733	737	747	745	859	853	869	21.1	77.1
Petroleum.....	-	-	-	7	7	7	-	-	-	-
Nuclear.....	-	506	506	506	506	620	620	620	-	55.0
Hydroelectric.....	183	203	207	211	208	208	209	222	18.7	19.6
Other Renewables.....	24	24	24	24	24	24	24	27	2.4	2.4
Total Electric Industry.....	981	994	997	998	1,002	1,117	1,111	1,127	100.0	100.0
Petroleum.....	117	107	107	107	107	108	101	101	11.9	9.0
Nuclear.....	500	506	506	506	506	620	620	620	51.0	55.0
Hydroelectric.....	287	305	303	304	309	309	308	322	29.2	28.5
Other Renewables.....	76	76	81	81	81	81	81	84	7.8	7.5

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatthours)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Vermont										
Electric Utilities.....	4,393,537	2,971,224	626,337	643,426	673,607	802,680	701,474	752,800	88.8	11.0
Petroleum.....	41,265	9,406	22,607	17,800	10,179	7,371	7,811	4,266	0.8	0.1
Natural Gas.....	827	3,275	2,029	3,224	2,240	1,875	1,889	2,655	*	*
Nuclear.....	3,357,696	2,367,209	-	-	-	-	-	-	67.9	-
Hydroelectric.....	848,291	404,227	367,624	395,734	415,691	520,077	399,636	486,207	17.2	7.1
Other Renewables.....	145,458	187,107	234,077	226,668	245,497	273,357	292,138	259,672	2.9	3.8
Independent Power Producers and Combined Heat and Power.....	552,760	2,484,966	5,401,625	4,826,953	5,043,148	6,281,664	5,122,108	6,067,416	11.2	89.0
Petroleum.....	1,030	-	-	-	-	-	-	-	*	-
Nuclear.....	-	1,595,407	4,444,152	3,858,020	4,071,547	5,106,523	4,703,728	4,895,053	-	71.8
Hydroelectric.....	345,758	710,695	786,414	791,522	795,120	998,588	246,969	1,006,697	7.0	14.8
Other Renewables.....	205,972	178,864	171,059	177,410	176,480	176,553	171,411	165,666	4.2	2.4
Total Electric Industry.....	4,946,297	5,456,190	6,027,962	5,470,379	5,716,755	7,084,344	5,823,582	6,820,216	100.0	100.0
Petroleum.....	42,295	9,406	22,607	17,800	10,179	7,371	7,811	4,266	0.9	0.1
Natural Gas.....	827	3,275	2,029	3,224	2,240	1,875	1,889	2,655	*	*
Nuclear.....	3,357,696	3,962,616	4,444,152	3,858,020	4,071,547	5,106,523	4,703,728	4,895,053	67.9	71.8
Hydroelectric.....	1,194,049	1,114,922	1,154,038	1,187,256	1,210,811	1,518,665	646,605	1,492,904	24.1	21.9
Other Renewables.....	351,430	365,971	405,136	404,078	421,977	449,910	463,549	425,338	7.1	6.2

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1998 and 2002 Through 2008

Fuel, Quality	1998	2002	2003	2004	2005	2006	2007	2008
Vermont								
Petroleum (cents per million Btu) ¹	327	-	-	-	1,314	-	-	1,999
Average heat value (Btu per gallon).....	136,129	-	-	-	138,098	-	-	NM
Average sulfur Content (percent).....	0.39	-	-	-	0.40	-	-	NM
Natural Gas (cents per million Btu).....	286	384	-	-	887	781	761	909
Average heat value (Btu per cubic foot).....	1,014	1,006	-	-	1,007	1,000	1,014	1,005

¹ Petroleum includes petroleum liquids and petroleum coke.

Btu = British thermal unit.

NM = Not meaningful due to large relative standard error. Please see Technical Notes and Appendix tables published in the Cost and Quality of Fuels.

- (dash) = Data not available.

Note: Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. There may be a notable increase in fuel receipts beginning with 2008. For more information, please see the Technical Notes in the Electric Power Annual.

Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report." Federal Energy Regulatory Commission, FERC Form 423, "Monthly Cost and Quality of Fuels for Electric Plants." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 7. Electric Power Industry Emissions Estimates, 1998 and 2002 Through 2008
(Thousand Metric Tons)

Emission Type	1998	2002	2003	2004	2005	2006	2007	2008
Vermont								
Sulfur Dioxide								
Petroleum.....	*	*	*	*	*	*	*	*
Other Renewables.....	*	*	*	*	*	*	*	*
Total.....	*	*	*	*	*	*	*	*
Nitrogen Oxide								
Petroleum.....	*	*	*	*	*	*	*	*
Natural Gas.....	*	-	*	*	*	*	*	*
Other Renewables.....	*	*	*	*	*	*	*	*
Total.....	1	*	*	*	*	*	*	*
Carbon Dioxide								
Petroleum.....	46	13	24	19	12	9	9	5
Natural Gas.....	10	2	2	3	2	2	1	2
Total.....	56	15	26 ^R	22	14	10	10	7

R = Revised.

* = 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 *).

- (dash) = Data not available.

Source: Calculations made by the Electric Power Division, U. S. Energy Information Administration.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1998 and 2002 Through 2008

Sector	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Vermont										
Retail Sales (thousand megawatthours)										
Residential	1,951	2,047	2,011	2,109	2,189	2,142	2,170	2,133	36.4	37.2
Commercial	1,786	1,946	1,881	1,978	2,051	2,027	2,059	2,043	33.3	35.6
Industrial	1,534	1,592	1,460	1,577	1,644	1,626	1,635	1,565	28.6	27.3
Other	92	45	NA	NA	NA	NA	NA	NA	1.7	--
All Sectors	5,363	5,629	5,352	5,664	5,883	5,795	5,864	5,741	100.0	100.0
Retail Revenue (million dollars)										
Residential	227	262	258	273	284	287	307	309	43.0	43.6
Commercial	181	216	212	226	232	237	253	255	34.3	36.0
Industrial	112	126	117	126	128	135	146	144	21.2	20.3
Other	8	9	NA	NA	NA	NA	NA	NA	1.5	--
All Sectors	527	612	588	624	644	659	706	708	100.0	100.0
Average Retail Prices (cents/kWh)										
Residential	11.61	12.78	12.82	12.94	12.96	13.39	14.15	14.48	--	--
Commercial	10.12	11.10	11.29	11.42	11.33	11.67	12.29	12.49	--	--
Industrial	7.27	7.90	8.05	7.96	7.77	8.33	8.92	9.19	--	--
Other	8.91	19.26	NA	NA	NA	NA	NA	NA	--	--
All Sectors	9.83	10.87	10.98	11.02	10.95	11.37	12.04	12.33	--	--

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 9. Retail Electricity Sales Statistics, 2008

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Vermont								
Number of Entities	3	15	NA	2	NA	NA	NA	20
Number of Retail Customers	253,650	54,428	NA	48,054	NA	NA	NA	356,132
Retail Sales (thousand megawatthours)	4,436	797	NA	508	NA	NA	NA	5,741
Percentage of Retail Sales	77.26	13.89	--	8.85	--	--	--	100.00
Revenue from Retail Sales (million dollars)	531	104	NA	73	NA	NA	NA	708
Percentage of Revenue	75.00	14.69	--	10.31	--	--	--	100.00
Average Retail Price (cents/kWh)	11.97	13.04	NA	14.37	NA	NA	NA	12.33

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Totals may not equal sum of components because of independent rounding. 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.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 10. Supply and Disposition of Electricity, 1998 and 2002 Through 2008
(Million Kilowatthours)

Category	1998	2002	2003	2004	2005	2006	2007	2008
Vermont								
Supply								
Generation								
Electric Utilities	4,394	2,971	626	643	674	803	701	753
Independent Power Producers	508	2,465	5,396	4,800	5,013	6,256	5,121	6,046
Electric Power Sector Generation Subtotal	4,902	5,437	6,022	5,444	5,687	7,059	5,822	6,799
Combined Heat and Power, Industrial	45	20	6	27	30	25	2	21
Industrial and Commercial Generation Subtotal	45	20	6	27	30	25	2	21
Total Net Generation	4,946	5,456	6,028	5,470	5,717	7,084	5,824	6,820
Total International Imports	3,928	2,433	1,942	1,952	2,159	2,509	2,610	2,534
Total Supply	8,874	7,890	7,969	7,422	7,876	9,593	8,434	9,354
Disposition								
Retail Sales								
Full Service Providers	5,363	5,629	5,337	5,664	5,883	5,795	5,864	5,741
Facility Direct Retail Sales ¹	-	-	16	-	-	-	-	-
Total Electric Industry Retail Sales	5,363	5,629	5,352	5,664	5,883	5,795	5,864	5,741
Direct Use	54	70	71	71	30	26	101	797
Total International Exports	67	-	26	14	43	80	117	103
Estimated Losses	363	599	446	362	402	404	392	373
Total Disposition	5,848	6,298	5,895	6,111	6,358	6,304	6,474	7,014
Net Interstate Trade ²	3,026	1,592	2,075	1,311	1,518	3,289	1,960	2,340
Net Trade Index (ratio) ³	1.52	1.25	1.35	1.21	1.24	1.52	1.30	1.33

¹ Facility Direct Retail Sales are electricity sales from non utility power producers which reported electricity sales to a retail customer.

² Net Interstate Trade is the difference between Total Supply and Total Disposition.

³ Net Trade Index is the ratio of Total Supply to Total Disposition.

- (dash) = Data not available.

Notes: Totals may not equal sum of components because of independent rounding. 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. 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.

Sources: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms. U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry 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.

Table 1. 2008 Summary Statistics

Item	Value	U.S. Rank
Virginia		
NERC Region(s).....		RFC/SERC
Primary Energy Source.....		Coal
Net Summer Capacity (megawatts)	23,476	17
Electric Utilities.....	18,828	15
Independent Power Producers & Combined Heat and Power.....	4,648	19
Net Generation (megawatthours).....	72,678,531	22
Electric Utilities.....	59,780,402	18
Independent Power Producers & Combined Heat and Power.....	12,898,129	26
Emissions (thousand metric tons)		
Sulfur Dioxide	142	19
Nitrogen Oxide.....	56	27
Carbon Dioxide.....	41,355	25
Sulfur Dioxide (lbs/MWh)	4.3	18
Nitrogen Oxide (lbs/MWh)	1.7	31
Carbon Dioxide (lbs/MWh).....	1,254	29
Total Retail Sales (megawatthours).....	110,106,337	10
Full Service Provider Sales (megawatthours)	110,090,819	8
Deregulated Sales (megawatthours)	15,518	20
Direct Use (megawatthours)	2,760,256	17
Average Retail Price (cents/kWh).....	8.00	31

MWh = Megawatthours.

kWh = Kilowatthours.

Sources: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 2. Ten Largest Plants by Generating Capacity, 2008

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
Virginia			
1. Bath County	Pumped Storage	Virginia Electric & Power Co	2,923
2. North Anna	Nuclear	Virginia Electric & Power Co	1,807
3. Possum Point	Gas	Virginia Electric & Power Co	1,733
4. Chesterfield.....	Coal	Virginia Electric & Power Co	1,632
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	935
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

MW = Megawatt.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2008
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
1. Virginia Electric & Power Co	Investor-Owned	74,452,841	28,081,547	38,113,145	8,064,086	194,063
2. Appalachian Power Co	Investor-Owned	16,350,249	6,638,108	4,161,303	5,550,838	-
3. Northern Virginia Elec Coop.....	Cooperative	3,230,224	1,888,056	904,616	437,552	-
4. The Potomac Edison Co	Investor-Owned	3,074,329	1,330,969	747,723	995,637	-
5. Rappahannock Electric Coop	Cooperative	2,548,308	1,424,521	138,763	985,024	-
Total Sales, Top Five Providers		99,655,951	39,363,201	44,065,550	16,033,137	194,063
Percent of Total State Sales		91	88	94	87	100

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatts)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Virginia										
Electric Utilities.....	15,314	15,818	17,128	17,567	18,091	18,166	18,376	18,828	81.7	80.2
Coal.....	5,099	4,789	4,468	4,468	4,586	4,586	4,605	4,587	27.2	19.5
Petroleum.....	2,213	2,083	2,081	2,098	2,031	2,027	2,041	2,041	11.8	8.7
Natural Gas	1,524	2,097	3,714	4,101	4,395	4,395	4,429	4,897	8.1	20.9
Nuclear.....	3,392	3,467	3,467	3,440	3,432	3,432	3,404	3,404	18.1	14.5
Hydroelectric	742	738	759	760	650	650	654	656	4.0	2.8
Other Renewables.....	*	-	-	-	80	80	83	83	*	0.4
Pumped Storage.....	2,345	2,645	2,638	2,700	2,917	2,997	3,161	3,161	12.5	13.5
Independent Power Producers and Combined Heat and Power	3,434	4,387	4,130	4,939	4,509	4,482	4,616	4,648	18.3	19.8
Coal.....	1,122	1,328	1,328	1,329	1,197	1,188	1,189	1,186	6.0	5.1
Petroleum.....	14	361	361	359	359	359	377	378	0.1	1.6
Natural Gas	1,640	2,094	1,844	2,654	2,433	2,414	2,440	2,454	8.7	10.5
Hydroelectric	21	20	21	22	22	21	21	21	0.1	0.1
Other Renewables.....	636	584	576	575	498	501	589	608	3.4	2.6
Total Electric Industry.....	18,748	20,205	21,258	22,506	22,599	22,648	22,992	23,476	100.0	100.0
Coal.....	6,221	6,117	5,796	5,797	5,783	5,774	5,794	5,773	33.2	24.6
Petroleum.....	2,227	2,444	2,442	2,457	2,390	2,386	2,418	2,418	11.9	10.3
Natural Gas	3,164	4,191	5,558	6,754	6,828	6,809	6,869	7,351	16.9	31.3
Nuclear.....	3,392	3,467	3,467	3,440	3,432	3,432	3,404	3,404	18.1	14.5
Hydroelectric	763	757	780	782	672	671	675	677	4.1	2.9
Other Renewables.....	636	584	576	575	577	580	672	691	3.4	2.9
Pumped Storage.....	2,345	2,645	2,638	2,700	2,917	2,997	3,161	3,161	12.5	13.5

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatthours)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Virginia										
Electric Utilities.....	63,814,565	62,880,125	61,806,347	65,103,653	65,456,080	61,176,351	64,316,732	59,780,402	88.4	82.3
Coal.....	31,471,297	31,099,307	29,145,703	27,772,985	28,803,324	28,553,670	29,425,485	25,779,154	43.6	35.5
Petroleum.....	2,654,660	3,454,714	4,982,314	4,664,410	3,809,135	662,100	1,653,940	903,428	3.7	1.2
Natural Gas.....	2,198,665	2,128,402	2,690,674	3,976,271	4,414,479	3,781,091	5,947,608	5,350,551	3.0	7.4
Nuclear.....	27,234,399	27,346,163	24,816,022	28,315,294	27,918,481	27,593,516	27,268,475	27,930,764	37.7	38.4
Hydroelectric.....	1,210,984	840,374	1,669,793	1,490,114	1,391,152	1,270,707	1,182,353	947,412	1.7	1.3
Other Renewables.....	-	-	-	50,690	540,332	482,711	459,154	506,781	-	0.7
Pumped Storage.....	-955,440	-1,988,835	-1,498,159	-1,166,111	-1,420,823	-1,167,444	-1,620,283	-1,637,688	-1.3	-2.3
Independent Power Producers and Combined Heat and Power.....	8,384,874	12,125,527	13,503,073	13,796,387	13,486,965	11,893,186	14,043,775	12,898,129	11.6	17.7
Coal.....	3,404,468	6,983,074	7,947,628	7,883,021	6,621,551	5,734,471	5,995,261	5,997,202	4.7	8.3
Petroleum.....	271,394	337,891	798,022	489,202	455,524	177,112	443,009	246,931	0.4	0.3
Natural Gas.....	2,038,080	2,258,525	1,928,391	2,461,538	3,880,291	3,434,359	4,956,232	3,964,532	2.8	5.5
Other Gases.....	58	-	2,959	-	-	-	-	-	*	-
Hydroelectric.....	72,311	27,842	111,776	92,936	93,201	80,487	65,911	63,581	0.1	0.1
Other Renewables.....	2,598,563	2,071,272	2,261,359	2,381,667	1,957,563	1,975,739	2,106,417	2,191,678	3.6	3.0
Other.....	-	446,923	452,936	488,023	478,834	491,019	476,945	434,205	-	0.6
Total Electric Industry.....	72,199,439	75,005,652	75,309,420	78,900,040	78,943,045	73,069,537	78,360,507	72,678,531	100.0	100.0
Coal.....	34,875,765	38,082,381	37,093,331	35,656,006	35,424,875	34,288,141	35,420,746	31,776,356	48.3	43.7
Petroleum.....	2,926,054	3,792,605	5,780,336	5,153,612	4,264,659	839,212	2,096,949	1,150,360	4.1	1.6
Natural Gas.....	4,236,745	4,386,927	4,619,065	6,437,809	8,294,770	7,215,450	10,903,840	9,315,083	5.9	12.8
Other Gases.....	58	-	2,959	-	-	-	-	-	*	-
Nuclear.....	27,234,399	27,346,163	24,816,022	28,315,294	27,918,481	27,593,516	27,268,475	27,930,764	37.7	38.4
Hydroelectric.....	1,283,295	868,216	1,781,569	1,583,050	1,484,353	1,351,194	1,248,264	1,010,993	1.8	1.4
Other Renewables.....	2,598,563	2,071,272	2,261,359	2,432,357	2,497,895	2,458,450	2,565,571	2,698,460	3.6	3.7
Pumped Storage.....	-955,440	-1,988,835	-1,498,159	-1,166,111	-1,420,823	-1,167,444	-1,620,283	-1,637,688	-1.3	-2.3
Other.....	-	446,923	452,936	488,023	478,834	491,019	476,945	434,205	-	0.6

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1998 and 2002 Through 2008

Fuel, Quality	1998	2002	2003	2004	2005	2006	2007	2008
Virginia								
Coal (cents per million Btu)	138	169	167	195	233	245	249	277
Average heat value (Btu per pound).....	12,603	12,845	12,826	12,713	12,650	12,592	12,531	12,492
Average sulfur Content (percent)	0.97	1.16	0.97	0.94	1.00	1.04	0.94	0.92
Petroleum (cents per million Btu) ¹	204	380	499	497	761	875	922	1,380
Average heat value (Btu per gallon).....	150,157	149,779	149,367	150,757	149,019	150,090	148,238	147,390
Average sulfur Content (percent)	1.10	0.99	0.64	0.78	0.65	0.48	0.33	0.58
Natural Gas (cents per million Btu).....	295	413	618	665	934	751	816	1,043
Average heat value (Btu per cubic foot).....	1,050	1,035	1,035	1,032	1,034	1,035	1,035	1,036

¹ Petroleum includes petroleum liquids and petroleum coke.
Btu = British thermal unit.

Note: Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. There may be a notable increase in fuel receipts beginning with 2008. For more information, please see the Technical Notes in the Electric Power Annual.

Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report." Federal Energy Regulatory Commission, FERC Form 423, "Monthly Cost and Quality of Fuels for Electric Plants." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 7. Electric Power Industry Emissions Estimates, 1998 and 2002 Through 2008
(Thousand Metric Tons)

Emission Type	1998	2002	2003	2004	2005	2006	2007	2008
Virginia								
Sulfur Dioxide								
Coal.....	243	254	200	182	203	173	172	124
Petroleum.....	21	21	25	23	18	10	12	5
Natural Gas.....	*	*	*	*	*	*	*	*
Other Renewables.....	14 ^R	12	12	12	13	14	13	13
Other.....	*	5	*	*	*	*	*	*
Total.....	279	292	237	217	233	197	197	142
Nitrogen Oxide								
Coal.....	110	102	63	54	53	48	51	43
Petroleum.....	5	6	7	5	4	2	3	2
Natural Gas.....	8	4	3	3	3	2	3	3
Other Gases.....	-	-	*	-	-	-	-	-
Other Renewables.....	10 ^R	9	5	5	5	5	6	8
Other.....	*	5	2	2	2	2	2	*
Total.....	133	125	79	68	66	59	64	56
Carbon Dioxide								
Coal.....	36,696 ^R	40,171 ^R	38,563 ^R	38,691 ^R	38,367 ^R	36,790 ^R	38,656 ^R	34,909
Petroleum.....	2,784 ^R	3,075 ^R	4,705 ^R	4,397 ^R	3,717 ^R	942 ^R	2,291 ^R	1,079
Natural Gas.....	2,407 ^R	2,931 ^R	2,356 ^R	3,154 ^R	5,035 ^R	3,680 ^R	5,253 ^R	4,518
Other Renewables.....	737 ^R	-	-	-	-	-	-	-
Other.....	20 ^R	884 ^R	918 ^R	1,018 ^R	1,046 ^R	1,062 ^R	967 ^R	849
Total.....	42,645 ^R	47,061 ^R	46,541 ^R	47,259 ^R	48,165 ^R	42,474 ^R	47,167 ^R	41,355

R = Revised.

* = 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 *).

- (dash) = Data not available.

Source: Calculations made by the Electric Power Division, U. S. Energy Information Administration.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1998 and 2002 Through 2008

Sector	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Virginia										
Retail Sales (thousand megawatthours)										
Residential	34,703	40,358	40,877	42,503	44,662	42,906	45,481	44,597	38.3	40.5
Commercial	26,176	29,999	41,179	43,025	44,670	44,654	46,971	46,878	28.9	42.6
Industrial	20,024	19,521	19,282	19,734	19,354	18,998	18,925	18,438	22.1	16.7
Other	9,705	10,740	NA	NA	NA	NA	NA	NA	10.7	--
Transportation.....	NA	NA	172	162	163	163	193	194	--	0.2
All Sectors	90,609	100,619	101,510	105,424	108,850	106,721	111,570	110,106	100.0	100.0
Retail Revenue (million dollars).....										
Residential	2,608	3,144	3,174	3,397	3,645	3,642	3,976	4,288	49.0	48.7
Commercial	1,469	1,762	2,365	2,530	2,705	2,775	2,996	3,433	27.6	39.0
Industrial.....	764	807	815	843	863	891	959	1,072	14.4	12.2
Other.....	484	553	NA	NA	NA	NA	NA	NA	9.1	--
Transportation.....	NA	NA	9	10	11	11	13	15	--	0.2
All Sectors	5,324	6,265	6,364	6,780	7,223	7,319	7,943	8,809	100.0	100.0
Average Retail Prices (cents/kWh)										
Residential	7.51	7.79	7.76	7.99	8.16	8.49	8.74	9.62	--	--
Commercial	5.61	5.87	5.74	5.88	6.05	6.21	6.38	7.32	--	--
Industrial.....	3.82	4.13	4.23	4.27	4.46	4.69	5.07	5.82	--	--
Other.....	4.98	5.14	NA	NA	NA	NA	NA	NA	--	--
Transportation.....	NA	NA	5.46	6.25	6.81	6.81	6.73	7.80	--	--
All Sectors	5.88	6.23	6.27	6.43	6.64	6.86	7.12	8.00	--	--

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 9. Retail Electricity Sales Statistics, 2008

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Number of Entities.....	4	16	NA	13	NA	1	1	35
Number of Retail Customers.....	2,918,383	161,822	NA	497,521	NA	1,157	NA	3,578,883
Retail Sales (thousand megawatthours).....	94,794	4,960	NA	10,337	NA	16	NA	110,106
Percentage of Retail Sales	86.09	4.50	--	9.39	--	0.01	--	100.00
Revenue from Retail Sales (million dollars).....	7,206	418	NA	1,182	NA	2	*	8,809
Percentage of Revenue	81.80	4.75	--	13.42	--	0.02	*	100.00
Average Retail Price (cents/kWh).....	7.60	8.44	NA	11.44	NA	10.50	2.54	8.00

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

* = 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 *).

Notes: Totals may not equal sum of components because of independent rounding. 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.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 10. Supply and Disposition of Electricity, 1998 and 2002 Through 2008
(Million Kilowatthours)

Category	1998	2002	2003	2004	2005	2006	2007	2008
Virginia								
Supply								
Generation								
Electric Utilities	63,815	62,880	61,806	65,104	65,456	61,176	64,317	59,780
Independent Power Producers	2,285	4,828	6,058	6,263	5,279	4,636	6,538	4,970
Combined Heat and Power, Electric	2,827	4,074	4,368	4,509	5,251	4,409	4,638	5,020
Electric Power Sector Generation Subtotal	68,927	71,783	72,232	75,876	75,986	70,221	75,493	69,770
Combined Heat and Power, Commercial	610	456	332	361	389	347	398	386
Combined Heat and Power, Industrial.....	2,662	2,767	2,745	2,664	2,568	2,502	2,469	2,522
Industrial and Commercial Generation Subtotal	3,273	3,223	3,077	3,024	2,957	2,849	2,868	2,908
Total Net Generation	72,199	75,006	75,309	78,900	78,943	73,070	78,361	72,679
Total International Imports	-	*	*	-	-	-	-	-
Total Supply	72,199	75,006	75,309	78,900	78,943	73,070	78,361	72,679
Disposition								
Retail Sales								
Full Service Providers	90,609	100,305	101,324	105,237	108,676	106,534	111,526	110,091
Energy-Only Providers.....	-	313	31	26	22	42	44	16
Facility Direct Retail Sales ¹	-	-	155	161	151	145	-	-
Total Electric Industry Retail Sales	90,609	100,619	101,510	105,424	108,850	106,721	111,570	110,106
Direct Use	3,094	2,958	2,995	2,999	2,577	2,618	2,455	2,760
Estimated Losses	6,136	6,819	7,427^R	6,187^R	7,109^R	9,026	7,175	4,937
Total Disposition	99,838	110,395	111,932^R	114,609^R	118,536^R	118,365	121,200	117,804
Net Interstate Trade ²	-27,639	-35,389	-36,622^R	-35,709^R	-39,593^R	-45,296	-42,840	-45,125
Net Trade Index (ratio) ³	0.72	0.68	0.67	0.69	0.67	0.62	0.65	0.62

¹ Facility Direct Retail Sales are electricity sales from non utility power producers which reported electricity sales to a retail customer.

² Net Interstate Trade is the difference between Total Supply and Total Disposition.

³ Net Trade Index is the ratio of Total Supply to Total Disposition.

R = Revised.

* = 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 *).

- (dash) = Data not available.

Notes: Totals may not equal sum of components because of independent rounding. 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. 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.

Sources: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms. U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry 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.

Table 1. 2008 Summary Statistics

Item	Value	U.S. Rank
Washington		
NERC Region(s).....		WECC
Primary Energy Source.....		Hydroelectric
Net Summer Capacity (megawatts)	29,494	11
Electric Utilities.....	26,243	4
Independent Power Producers & Combined Heat and Power.....	3,251	28
Net Generation (megawatthours).....	110,828,451	14
Electric Utilities.....	93,162,079	11
Independent Power Producers & Combined Heat and Power.....	17,666,372	20
Emissions (thousand metric tons)		
Sulfur Dioxide	10	43
Nitrogen Oxide.....	18	40
Carbon Dioxide.....	13,622	39
Sulfur Dioxide (lbs/MWh)	0.2	48
Nitrogen Oxide (lbs/MWh)	0.4	50
Carbon Dioxide (lbs/MWh).....	271	49
Total Retail Sales (megawatthours).....	87,332,884	16
Full Service Provider Sales (megawatthours)	85,262,515	14
Deregulated Sales (megawatthours)	2,070,369	16
Direct Use (megawatthours)	650,283	35
Average Retail Price (cents/kWh).....	6.55	46

MWh = Megawatthours.

kWh = Kilowatthours.

Sources: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 2. Ten Largest Plants by Generating Capacity, 2008

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	1,632
4. Rocky Reach.....	Hydroelectric	PUD No 1 of Chelan County	1,300
5. Columbia Generating Station	Nuclear	Energy Northwest	1,131
6. Boundary	Hydroelectric	Seattle City of	1,040
7. Wanapum.....	Hydroelectric	PUD No 2 of Grant County	1,029
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

MW = Megawatt.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2008
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
Washington						
1. Puget Sound Energy Inc	Investor-Owned	22,014,854	11,123,454	9,581,936	1,309,464	-
2. Seattle City of	Public	9,708,457	3,207,473	5,262,118	1,238,238	628
3. Snohomish County PUD No 1	Public	6,952,990	3,606,494	2,465,707	880,789	-
4. Avista Corp.....	Investor-Owned	5,526,362	2,514,560	2,195,522	816,280	-
5. PUD No 1 of Cowlitz County	Public	5,202,429	812,080	392,843	3,997,506	-
Total Sales, Top Five Providers		49,405,092	21,264,061	19,898,126	8,242,277	628
Percent of Total State Sales		57	59	67	39	40

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatts)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Washington										
Electric Utilities.....	25,235	24,141	24,216	23,878	24,065	24,303	24,511	26,243	96.4	89.0
Coal.....	1,390	-	-	-	-	-	-	-	5.3	-
Petroleum.....	62	40	39	39	39	39	3	3	0.2	*
Natural Gas.....	838	1,146	1,153	1,184	1,141	1,138	1,111	2,768	3.2	9.4
Nuclear.....	1,123	1,108	1,108	1,122	1,131	1,131	1,131	1,131	4.3	3.8
Hydroelectric	21,479	21,392	21,408	21,010	21,081	21,094	21,274	21,145	82.1	71.7
Other Renewables.....	83	142	194	210	360	588	679	882	0.3	3.0
Pumped Storage.....	261	314	314	314	314	314	314	314	1.0	1.1
Independent Power Producers and Combined Heat and Power	932	2,971	3,473	3,695	3,726	3,920	4,104	3,251	3.6	11.0
Coal.....	2	1,407	1,407	1,407	1,405	1,405	1,405	1,376	*	4.7
Petroleum.....	-	176	176	-	2	2	2	2	-	*
Natural Gas.....	675	938	1,433	1,829	1,853	1,853	1,823	982	2.6	3.3
Hydroelectric	100	72	48	60	65	62	59	58	0.4	0.2
Other Renewables.....	156	378	408	399	401	598	815	833	0.6	2.8
Total Electric Industry.....	26,167	27,112	27,689	27,573	27,791	28,224	28,615	29,494	100.0	100.0
Coal.....	1,392	1,407	1,407	1,407	1,405	1,405	1,405	1,376	5.3	4.7
Petroleum.....	62	216	215	39	40	40	4	4	0.2	*
Natural Gas.....	1,513	2,085	2,586	3,013	2,994	2,991	2,933	3,750	5.8	12.7
Nuclear.....	1,123	1,108	1,108	1,122	1,131	1,131	1,131	1,131	4.3	3.8
Hydroelectric	21,579	21,464	21,457	21,070	21,146	21,156	21,333	21,203	82.5	71.9
Other Renewables.....	239	519	602	609	761	1,186	1,494	1,716	0.9	5.8
Pumped Storage.....	261	314	314	314	314	314	314	314	1.0	1.1

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatthours)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Washington										
Electric Utilities.....	97,127,552	88,568,483	82,205,391	83,500,909	83,152,928	94,067,080	90,531,201	93,162,079	95.1	84.1
Coal.....	9,290,499	-	-	-	-	-	-	-	9.1	-
Petroleum.....	38,598	6,172	7,851	13,112	2,416	8,517	3,983	9,252	*	*
Natural Gas.....	1,135,268	1,084,370	2,256,386	2,286,578	2,155,528	1,672,572	1,773,539	4,130,896	1.1	3.7
Nuclear.....	6,916,065	9,048,475	7,614,708	8,981,583	8,242,273	9,328,277	8,108,560	9,269,639	6.8	8.4
Hydroelectric.....	79,409,678	77,833,286	71,540,502	71,393,131	71,894,440	81,791,115	78,613,750	77,431,888	77.7	69.9
Other Renewables.....	337,444	600,712	789,237	836,323	849,798	1,219,500	1,986,857	2,271,692	0.3	2.0
Pumped Storage.....	-	-4,532	-3,293	-9,818	8,473	47,099	44,512	48,713	-	*
Independent Power Producers and Combined Heat and Power.....	5,030,956	14,196,564	17,889,300	18,664,144	18,812,922	14,136,075	16,459,016	17,666,372	4.9	15.9
Coal.....	21,706	8,660,804	11,089,796	10,409,331	10,494,407	6,372,823	8,556,816	8,761,644	*	7.9
Petroleum.....	48,445	67,130	58,741	72,772	64,879	29,713	33,059	25,938	*	*
Natural Gas.....	3,211,081	3,634,941	4,826,219	6,182,222	6,423,018	5,822,838	5,513,855	5,678,458	3.1	5.1
Other Gases.....	348,881	312,638	303,188	275,284	321,724	348,649	333,773	272,339	0.3	0.2
Hydroelectric.....	404,974	333,378	216,281	182,569	180,209	216,514	215,446	204,870	0.4	0.2
Other Renewables.....	994,328	1,123,454	1,339,068	1,475,102	1,263,863	1,283,354	1,743,697	2,666,747	1.0	2.4
Other.....	1,541	64,219	56,007	66,864	64,822	62,185	62,370	56,377	*	0.1
Total Electric Industry.....	102,158,508	102,765,047	100,094,691	102,165,052	101,965,850	108,203,155	106,990,217	110,828,451	100.0	100.0
Coal.....	9,312,205	8,660,804	11,089,796	10,409,331	10,494,407	6,372,823	8,556,816	8,761,644	9.1	7.9
Petroleum.....	87,043	73,302	66,592	85,884	67,295	38,230	37,042	35,189	0.1	*
Natural Gas.....	4,346,349	4,719,311	7,082,605	8,468,800	8,578,546	7,495,410	7,287,394	9,809,354	4.3	8.9
Other Gases.....	348,881	312,638	303,188	275,284	321,724	348,649	333,773	272,339	0.3	0.2
Nuclear.....	6,916,065	9,048,475	7,614,708	8,981,583	8,242,273	9,328,277	8,108,560	9,269,639	6.8	8.4
Hydroelectric.....	79,814,652	78,166,664	71,756,783	71,575,700	72,074,649	82,007,629	78,829,195	77,636,758	78.1	70.1
Other Renewables.....	1,331,772	1,724,166	2,128,305	2,311,425	2,113,661	2,502,854	3,730,554	4,938,438	1.3	4.5
Pumped Storage.....	-	-4,532	-3,293	-9,818	8,473	47,099	44,512	48,713	-	*
Other.....	1,541	64,219	56,007	66,864	64,822	62,185	62,370	56,377	*	0.1

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1998 and 2002 Through 2008

Fuel, Quality	1998	2002	2003	2004	2005	2006	2007	2008
Washington								
Coal (cents per million Btu)	149	W	W	W	W	W	W	W
Average heat value (Btu per pound).....	8,215	8,014	8,052	8,151	8,131	8,532	9,211	8,366
Average sulfur Content (percent)	0.59	1.01	1.00	0.93	0.75	0.69	0.34	0.32
Petroleum (cents per million Btu) ¹	405	W	W	W	W	W	W	W
Average heat value (Btu per gallon).....	139,907	137,098	145,438	139,331	137,340	142,807	138,598	139,040
Average sulfur Content (percent)	0.31	0.31	0.27	0.90	0.58	0.41	0.32	0.43
Natural Gas (cents per million Btu).....	326	354	415	457	649	565	612	833
Average heat value (Btu per cubic foot).....	1,055	1,034	1,029	1,029	1,027	1,028	1,023	1,029

¹ Petroleum includes petroleum liquids and petroleum coke.

Btu = British thermal unit.

W = Withheld to avoid disclosure of individual company data.

Note: Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. There may be a notable increase in fuel receipts beginning with 2008. For more information, please see the Technical Notes in the Electric Power Annual.

Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report." Federal Energy Regulatory Commission, FERC Form 423, "Monthly Cost and Quality of Fuels for Electric Plants." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 7. Electric Power Industry Emissions Estimates, 1998 and 2002 Through 2008 (Thousand Metric Tons)

Emission Type	1998	2002	2003	2004	2005	2006	2007	2008
Washington								
Sulfur Dioxide								
Coal	70	18	8	7	4	2	2	3
Petroleum	2	2	1	1	1	2	*	*
Natural Gas	*	*	*	*	*	*	*	*
Other Gases	*	*	*	*	*	*	*	*
Other Renewables	8 ^R	6	7	7	7	7	7	7
Other	^R	*	*	*	*	*	*	-
Total	79	25	16	15	11	11	10	10
Nitrogen Oxide								
Coal	22	14	18	14	15	8	11	10
Petroleum	1	*	*	*	*	1	*	*
Natural Gas	7	5	7	5	5	5	4	3
Other Gases	*	*	*	*	*	*	*	*
Other Renewables	4 ^R	4	4	4	4	5	4	4
Other	^R	*	*	*	*	*	*	-
Total	34	24	31	24	26	20	19	18
Carbon Dioxide								
Coal	9,860 ^R	9,635 ^R	11,328 ^R	10,760 ^R	10,798 ^R	6,598 ^R	9,109 ^R	9,020
Petroleum	295 ^R	279 ^R	307 ^R	355 ^R	319 ^R	264 ^R	302 ^R	204
Natural Gas	2,411 ^R	2,611 ^R	3,446 ^R	3,873 ^R	3,802 ^R	3,465 ^R	3,235 ^R	4,289
Other Renewables	118 ^R	-	-	-	-	-	-	-
Other	^R	111 ^R	96	121 ^R	120 ^R	119 ^R	117 ^R	109
Total	12,684 ^R	12,637 ^R	15,178 ^R	15,109 ^R	15,039 ^R	10,447 ^R	12,763 ^R	13,622

R = Revised.

* = 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 *).

- (dash) = Data not available.

Source: Calculations made by the Electric Power Division, U. S. Energy Information Administration.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1998 and 2002 Through 2008

Sector	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Washington										
Retail Sales (thousand megawatthours)										
Residential	31,362	32,066	31,872	32,455	33,212	34,439	35,389	36,336	33.1	41.6
Commercial	22,248	24,310	28,039	28,226	28,100	28,580	29,599	29,878	23.5	34.2
Industrial	37,616	15,792	18,180	19,259	22,112	22,013	20,753	21,117	39.6	24.2
Other	3,645	3,237	NA	NA	NA	NA	NA	NA	3.8	--
Transportation.....	NA	NA	42	42	2	1	2	2	--	*
All Sectors	94,873	75,404	78,134	79,982	83,425	85,033	85,742	87,333	100.0	100.0
Retail Revenue (million dollars).....										
Residential	1,577	2,018	2,010	2,069	2,173	2,350	2,570	2,741	41.1	47.9
Commercial	1,071	1,485	1,701	1,742	1,778	1,896	1,940	2,019	27.9	35.3
Industrial	1,062	770	866	825	943	976	948	960	27.6	16.8
Other	132	160	NA	NA	NA	NA	NA	NA	3.4	--
Transportation.....	NA	NA	3	3	*	*	*	*	--	*
All Sectors	3,841	4,433	4,580	4,638	4,894	5,222	5,458	5,721	100.0	100.0
Average Retail Prices (cents/kWh)										
Residential	5.03	6.29	6.31	6.37	6.54	6.82	7.26	7.54	--	--
Commercial	4.81	6.11	6.07	6.17	6.33	6.63	6.55	6.76	--	--
Industrial	2.64	4.88	4.76	4.28	4.27	4.44	4.57	4.55	--	--
Other	3.61	4.94	NA	NA	NA	NA	NA	NA	--	--
Transportation.....	NA	NA	6.45	6.44	6.44	5.93	5.74	5.82	--	--
All Sectors	4.03	5.88	5.86	5.80	5.87	6.14	6.37	6.55	--	--

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

* = 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 *).

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 9. Retail Electricity Sales Statistics, 2008

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Washington								
Number of Entities.....	3	41	1	18	NA	4	1	68
Number of Retail Customers	1,421,248	1,581,165	9	162,487	NA	6	NA	3,164,915
Retail Sales (thousand megawatthours).....	31,596	48,661	910	4,095	NA	2,070	NA	87,333
Percentage of Retail Sales	36.18	55.72	1.04	4.69	--	2.37	--	100.00
Revenue from Retail Sales (million dollars)	2,646	2,665	28	249	NA	126	8	5,721
Percentage of Revenue	46.25	46.59	0.49	4.35	--	2.20	0.13	100.00
Average Retail Price (cents/kWh).....	8.37	5.48	3.06	6.08	NA	6.07	0.37	6.55

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Totals may not equal sum of components because of independent rounding. 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.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 10. Supply and Disposition of Electricity, 1998 and 2002 Through 2008
(Million Kilowatthours)

Category	1998	2002	2003	2004	2005	2006	2007	2008
Washington								
Supply								
Generation								
Electric Utilities	97,128	88,568	82,205	83,501	83,153	94,067	90,531	93,162
Independent Power Producers	350	9,817	13,541	15,054	15,287	10,887	13,797	14,908
Combined Heat and Power, Electric	3,246	3,268	3,350	2,583	2,517	2,385	1,948	1,860
Electric Power Sector Generation Subtotal	100,724	101,654	99,097	101,138	100,956	107,339	106,277	109,929
Combined Heat and Power, Commercial	116	33	77	95	73	78	52	63
Combined Heat and Power, Industrial.....	1,319	1,078	920	932	937	786	661	836
Industrial and Commercial Generation Subtotal	1,435	1,111	998	1,027	1,010	864	714	899
Total Net Generation	102,159	102,765	100,095	102,165	101,966	108,203	106,990	110,828
Total International Imports	6,869	4,362	3,445	2,229	2,533	2,430	3,622	2,973
Total Supply	109,027	107,127	103,540	104,394	104,498	110,633	110,612	113,802
Disposition								
Retail Sales								
Full Service Providers	91,050	74,316	76,104	79,606	81,395	82,941	83,475	85,263
Energy-Only Providers.....	3,823	1,088	2,021	376	2,030	2,092	2,267	2,070
Facility Direct Retail Sales ¹	-	-	9	-	-	-	-	-
Total Electric Industry Retail Sales	94,873	75,404	78,134	79,982	83,425	85,033	85,742	87,333
Direct Use	1,385	1,375	1,393	1,394	522	759	624	650
Total International Exports	4,402	5,549	5,402	7,077	5,537	11,086	6,881	10,247
Estimated Losses	6,425	7,338	5,822^R	4,513^R	6,019^R	5,288	5,370	4,917
Total Disposition	107,084	89,666	90,750^R	92,966^R	95,504^R	102,167	98,617	103,147
Net Interstate Trade ²	1,943	17,460	12,790^R	11,428^R	8,994^R	8,465	11,996	10,655
Net Trade Index (ratio) ³	1.02	1.19	1.14	1.12	1.09	1.08	1.12	1.10

¹ Facility Direct Retail Sales are electricity sales from non utility power producers which reported electricity sales to a retail customer.

² Net Interstate Trade is the difference between Total Supply and Total Disposition.

³ Net Trade Index is the ratio of Total Supply to Total Disposition.

R = Revised.

- (dash) = Data not available.

Notes: Totals may not equal sum of components because of independent rounding. 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. 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.

Sources: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms. U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry 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.

Table 1. 2008 Summary Statistics

Item	Value	U.S. Rank
West Virginia		
NERC Region(s).....		RFC
Primary Energy Source.....		Coal
Net Summer Capacity (megawatts)	16,350	24
Electric Utilities.....	11,698	21
Independent Power Producers & Combined Heat and Power.....	4,651	18
Net Generation (megawatthours).....	91,123,097	18
Electric Utilities.....	66,666,509	16
Independent Power Producers & Combined Heat and Power.....	24,456,588	13
Emissions (thousand metric tons)		
Sulfur Dioxide	286	10
Nitrogen Oxide	92	11
Carbon Dioxide.....	84,472	9
Sulfur Dioxide (lbs/MWh)	6.9	10
Nitrogen Oxide (lbs/MWh)	2.2	20
Carbon Dioxide (lbs/MWh).....	2,044	6
Total Retail Sales (megawatthours)	34,221,103	34
Full Service Provider Sales (megawatthours)	34,221,103	32
Direct Use (megawatthours)	522,441	37
Average Retail Price (cents/kWh).....	5.61	51

MWh = Megawatthours.

kWh = Kilowatthours.

Sources: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 2. Ten Largest Plants by Generating Capacity, 2008

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	1,954
3. Mt Storm.....	Coal	Virginia Electric & Power Co	1,571
4. Mitchell.....	Coal	Ohio Power Co	1,560
5. Mountaineer	Coal	Appalachian Power Co	1,310
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. Kammer	Coal	Ohio Power Co	600
10. Ceredo Generating Station	Gas	Appalachian Power Co	450

MW = Megawatt.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2008
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
West Virginia						
1. Appalachian Power Co.....	Investor-Owned	17,859,419	5,885,215	3,730,885	8,243,319	-
2. Monongahela Power Co.....	Investor-Owned	10,635,799	3,526,770	2,671,042	4,433,556	4,431
3. The Potomac Edison Co.....	Investor-Owned	3,305,056	1,763,369	793,364	748,323	-
4. Wheeling Power Co.....	Investor-Owned	2,163,680	424,875	439,674	1,299,131	-
5. Harrison Rural Elec Assn, Inc.....	Cooperative	75,585	54,829	16,540	4,216	-
Total Sales, Top Five Providers.....		34,039,539	11,655,058	7,651,505	14,728,545	4,431
Percent of Total State Sales.....		99	99	99	100	100

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatts)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
West Virginia										
Electric Utilities.....	14,495	10,166	10,164	10,206	10,890	11,975	11,711	11,698	96.3	71.6
Coal.....	14,381	10,108	10,108	10,108	10,118	11,225	11,186	11,174	95.5	68.3
Petroleum.....	12	12	12	12	12	12	12	11	0.1	0.1
Natural Gas.....	-	-	-	-	696	675	450	450	-	2.8
Hydroelectric.....	102	46	44	86	63	63	63	63	0.7	0.4
Independent Power Producers and Combined Heat and Power.....	560	6,014	5,960	6,196	5,570	4,468	4,387	4,651	3.7	28.4
Coal.....	384	4,608	4,608	4,615	4,615	3,520	3,529	3,529	2.6	21.6
Natural Gas.....	11	1,056	1,056	1,282	689	682	592	592	0.1	3.6
Other Gases.....	25	95	95	95	-	-	-	-	0.2	-
Hydroelectric.....	140	189	135	138	201	201	200	201	0.9	1.2
Other Renewables.....	-	66	66	66	66	66	66	330	-	2.0
Total Electric Industry.....	15,055	16,180	16,124	16,402	16,460	16,443	16,099	16,350	100.0	100.0
Coal.....	14,765	14,716	14,716	14,723	14,733	14,745	14,715	14,703	98.1	89.9
Petroleum.....	12	12	12	12	12	12	12	11	0.1	0.1
Natural Gas.....	11	1,056	1,056	1,282	1,386	1,357	1,042	1,042	0.1	6.4
Other Gases.....	25	95	95	95	-	-	-	-	0.2	-
Hydroelectric.....	242	235	179	224	264	264	264	264	1.6	1.6
Other Renewables.....	-	66	66	66	66	66	66	330	-	2.0

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatthours)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
West Virginia										
Electric Utilities.....	89,605,447	63,341,620	64,056,696	59,083,917	61,241,831	68,163,826	69,347,861	66,666,509	96.5	73.2
Coal.....	89,007,644	62,801,799	63,499,194	58,508,159	60,581,576	67,391,989	68,602,182	66,023,240	95.9	72.5
Petroleum.....	194,277	278,679	210,060	231,515	173,196	132,400	177,140	137,195	0.2	0.2
Natural Gas.....	42,195	3,396	3,998	3,166	3,215	86,926	137,050	58,629	*	0.1
Hydroelectric.....	361,331	235,958	322,664	326,253	471,916	546,033	431,101	445,779	0.4	0.5
Other Renewables.....	-	5,019	3,728	2,071	713	-	-	-390	-	*
Other.....	-	16,769	17,052	12,753	11,215	6,478	388	2,056	-	*
Independent Power Producers and Combined Heat and Power.....	3,216,739	31,420,133	30,654,858	30,665,645	32,384,454	25,651,978	24,585,248	24,456,588	3.5	26.8
Coal.....	2,205,711	30,149,518	28,969,789	29,076,439	30,835,427	24,081,332	23,264,083	23,090,240	2.4	25.3
Petroleum.....	6,668	18,908	37,837	36,043	50,097	42,486	22,779	4	*	*
Natural Gas.....	142,278	237,745	273,839	252,144	283,877	274,911	251,744	121,781	0.2	0.1
Other Gases.....	136,854	174,598	169,782	147,802	85,511	52,797	55,676	50,251	0.1	0.1
Hydroelectric.....	725,013	829,778	1,033,367	992,026	975,650	1,026,400	823,296	802,258	0.8	0.9
Other Renewables.....	-	9,586	170,242	161,191	153,892	174,053	167,588	391,910	-	0.4
Other.....	215	-	-	-	-	-	83	143	*	*
Total Electric Industry.....	92,822,186	94,761,753	94,711,554	89,749,562	93,626,285	93,815,804	93,933,109	91,123,097	100.0	100.0
Coal.....	91,213,355	92,951,317	92,468,983	87,584,598	91,417,003	91,473,321	91,866,265	89,113,480	98.3	97.8
Petroleum.....	200,945	297,587	247,897	267,558	223,293	174,886	199,919	137,199	0.2	0.2
Natural Gas.....	184,473	241,141	277,837	255,310	287,092	361,837	388,794	180,410	0.2	0.2
Other Gases.....	136,854	174,598	169,782	147,802	85,511	52,797	55,676	50,251	0.1	0.1
Hydroelectric.....	1,086,344	1,065,736	1,356,031	1,318,279	1,447,566	1,572,433	1,254,397	1,248,037	1.2	1.4
Other Renewables.....	-	14,605	173,970	163,262	154,605	174,053	167,588	391,520	-	0.4
Other.....	215	16,769	17,052	12,753	11,215	6,478	471	2,199	*	*

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1998 and 2002 Through 2008

Fuel, Quality	1998	2002	2003	2004	2005	2006	2007	2008
West Virginia								
Coal (cents per million Btu)	122	121	125	135	W	167	173	222
Average heat value (Btu per pound).....	12,305	12,103	12,166	12,061	11,976	11,967	12,046	11,897
Average sulfur Content (percent).....	1.86	1.71	1.69	1.75	1.78	1.79	2.04	2.00
Petroleum (cents per million Btu) ¹	371	543	725	785	959	W	W	W
Average heat value (Btu per gallon).....	139,186	122,840	140,526	140,943	141,667	143,471	143,817	135,557
Average sulfur Content (percent).....	0.08	0.24	0.24	0.15	0.62	0.86	0.55	0.13
Natural Gas (cents per million Btu).....	351	385	633	633	859	867	802	1,048
Average heat value (Btu per cubic foot).....	1,000	1,026	1,024	1,028	1,029	1,035	1,033	1,028

¹ Petroleum includes petroleum liquids and petroleum coke.

Btu = British thermal unit.

W = Withheld to avoid disclosure of individual company data.

Note: Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. There may be a notable increase in fuel receipts beginning with 2008. For more information, please see the Technical Notes in the Electric Power Annual.

Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report." Federal Energy Regulatory Commission, FERC Form 423, "Monthly Cost and Quality of Fuels for Electric Plants." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 7. Electric Power Industry Emissions Estimates, 1998 and 2002 Through 2008
(Thousand Metric Tons)

Emission Type	1998	2002	2003	2004	2005	2006	2007	2008
West Virginia								
Sulfur Dioxide								
Coal.....	631	478	506	446	438	427	353	286
Petroleum.....	*	1	*	*	1	1	1	*
Natural Gas.....	*	*	*	*	*	*	*	-
Other Gases.....	*	*	*	*	*	*	*	*
Other Renewables.....	-	*	-	-	-	-	-	-
Other.....	-	*	*	*	*	*	*	*
Total.....	632	478	507	447	440	428	353	286
Nitrogen Oxide								
Coal.....	271	207	193	159	147	139	138	92
Petroleum.....	*	*	*	*	*	*	*	*
Natural Gas.....	1	3	*	*	*	*	*	*
Other Gases.....	1	2	*	*	*	*	*	*
Other Renewables.....	-	*	*	*	<u>R</u>	*	*	-
Other.....	*	*	*	*	*	*	*	*
Total.....	274	213	194	160	148	140	139	92
Carbon Dioxide								
Coal.....	83,366 ^R	86,849 ^R	85,817 ^R	82,065 ^R	84,907 ^R	85,295 ^R	86,502 ^R	84,204
Petroleum.....	174 ^R	214 ^R	191 ^R	225 ^R	284 ^R	294 ^R	285 ^R	103
Natural Gas.....	545 ^R	355 ^R	418 ^R	586 ^R	446 ^R	335 ^R	356 ^R	162
Other.....	-	13	15 ^R	13	12	8	*	2
Total.....	84,085 ^R	87,431 ^R	86,440 ^R	82,889 ^R	85,650 ^R	85,933 ^R	87,143 ^R	84,472

R = Revised.

* = 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 *).

- (dash) = Data not available.

Source: Calculations made by the Electric Power Division, U. S. Energy Information Administration.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1998 and 2002 Through 2008

Sector	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
West Virginia										
Retail Sales (thousand megawatthours)										
Residential	9,053	10,444	10,473	10,756	11,384	11,014	11,749	11,763	34.1	34.4
Commercial	6,208	7,039	7,136	7,217	7,452	7,377	7,769	7,716	23.4	22.5
Industrial	11,161	10,902	10,687	10,942	11,312	13,916	14,661	14,738	42.1	43.1
Other	89	78	NA	NA	NA	NA	NA	NA	0.3	--
Transportation.....	NA	NA	NA	4	4	4	4	4	--	*
All Sectors	26,511	28,463	28,297	28,919	30,152	32,312	34,184	34,221	100.0	100.0
Retail Revenue (million dollars).....										
Residential	570	651	654	670	706	700	791	831	42.4	43.3
Commercial	345	381	389	394	412	413	454	469	25.7	24.4
Industrial	422	415	408	419	435	516	580	620	31.4	32.3
Other	8	8	NA	NA	NA	NA	NA	NA	0.6	--
Transportation.....	NA	NA	NA	*	*	*	*	*	--	*
All Sectors	1,345	1,455	1,450	1,483	1,554	1,629	1,825	1,920	100.0	100.0
Average Retail Prices (cents/kWh)										
Residential	6.29	6.23	6.24	6.23	6.21	6.35	6.73	7.06	--	--
Commercial	5.56	5.41	5.45	5.46	5.53	5.59	5.85	6.08	--	--
Industrial	3.78	3.81	3.81	3.83	3.85	3.71	3.95	4.20	--	--
Other	9.39	10.01	NA	NA	NA	NA	NA	NA	--	--
Transportation.....	NA	NA	NA	5.70	6.08	5.86	6.42	6.32	--	--
All Sectors	5.07	5.11	5.13	5.13	5.15	5.04	5.34	5.61	--	--

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

* = 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 *).

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 9. Retail Electricity Sales Statistics, 2008

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
West Virginia								
Number of Entities.....	7	2	NA	3	NA	NA	NA	12
Number of Retail Customers	997,660	3,757	NA	10,005	NA	NA	NA	1,011,422
Retail Sales (thousand megawatthours).....	34,025	77	NA	119	NA	NA	NA	34,221
Percentage of Retail Sales	99.43	0.23	--	0.35	--	--	--	100.00
Revenue from Retail Sales (million dollars)	1,901	6	NA	13	NA	NA	NA	1,920
Percentage of Revenue	99.02	0.30	--	0.68	--	--	--	100.00
Average Retail Price (cents/kWh).....	5.59	7.38	NA	11.03	NA	NA	NA	5.61

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Totals may not equal sum of components because of independent rounding. 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.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 10. Supply and Disposition of Electricity, 1998 and 2002 Through 2008
(Million Kilowatthours)

Category	1998	2002	2003	2004	2005	2006	2007	2008
West Virginia								
Supply								
Generation								
Electric Utilities	89,605	63,342	64,057	59,084	61,242	68,164	69,348	66,667
Independent Power Producers	946	29,373	28,429	28,498	30,556	23,959	23,058	23,138
Combined Heat and Power, Electric	443	409	446	465	467	470	417	411
Electric Power Sector Generation Subtotal	90,994	93,123	92,932	88,047	92,265	92,593	92,823	90,216
Combined Heat and Power, Industrial.....	1,828	1,639	1,780	1,703	1,361	1,223	1,110	907
Industrial and Commercial Generation Subtotal	1,828	1,639	1,780	1,703	1,361	1,223	1,110	907
Total Net Generation	92,822	94,762	94,712	89,750	93,626	93,816	93,933	91,123
Total Supply	92,822	94,762	94,712	89,750	93,626	93,816	93,933	91,123
.....								
Disposition								
Retail Sales								
Full Service Providers	26,511	28,463	28,275	28,919	30,131	32,312	34,184	34,221
Facility Direct Retail Sales ¹	-	-	22	-	22	-	-	-
Total Electric Industry Retail Sales	26,511	28,463	28,297	28,919	30,152	32,312	34,184	34,221
Direct Use	1,926	1,793	1,816	1,818	1,360	1,391	663	522
Estimated Losses	1,795	1,982	1,740^R	1,795	2,582^R	3,002	2,975	2,936
Total Disposition	30,233	32,239	31,854	32,532^R	34,094^R	36,705	37,822	37,679
.....								
Net Interstate Trade ²	62,589	62,523	62,858^R	57,217^R	59,533	57,111	56,111	53,444
Net Trade Index (ratio) ³	3.07	2.94	2.97	2.76	2.75	2.56	2.48	2.42

¹ Facility Direct Retail Sales are electricity sales from non utility power producers which reported electricity sales to a retail customer.

² Net Interstate Trade is the difference between Total Supply and Total Disposition.

³ Net Trade Index is the ratio of Total Supply to Total Disposition.

R = Revised.

- (dash) = Data not available.

Notes: Totals may not equal sum of components because of independent rounding. 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. 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.

Sources: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms. U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry 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.

Table 1. 2008 Summary Statistics

Item	Value	U.S. Rank
Wisconsin		
NERC Region(s).....		MRO/RFC
Primary Energy Source.....		Coal
Net Summer Capacity (megawatts)	17,622	23
Electric Utilities.....	12,975	19
Independent Power Producers & Combined Heat and Power.....	4,647	20
Net Generation (megawatthours).....	63,479,555	24
Electric Utilities.....	45,536,712	21
Independent Power Producers & Combined Heat and Power.....	17,942,843	18
Emissions (thousand metric tons)		
Sulfur Dioxide	172	16
Nitrogen Oxide.....	67	21
Carbon Dioxide.....	49,310	19
Sulfur Dioxide (lbs/MWh)	6.0	14
Nitrogen Oxide (lbs/MWh)	2.3	18
Carbon Dioxide (lbs/MWh).....	1,713	15
Total Retail Sales (megawatthours).....	70,121,827	22
Full Service Provider Sales (megawatthours)	70,121,827	21
Direct Use (megawatthours)	4,079,025	12
Average Retail Price (cents/kWh).....	9.00	22

MWh = Megawatthours.

kWh = Kilowatthours.

Sources: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 2. Ten Largest Plants by Generating Capacity, 2008

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
Wisconsin			
1. Pleasant Prairie	Coal	Wisconsin Electric Power Co	1,210
2. Port Washington Generating Station	Gas	Wisconsin Electric Power Co	1,150
3. South Oak Creek.....	Coal	Wisconsin Electric Power Co	1,135
4. Columbia	Coal	Wisconsin Power & Light Co	1,118
5. Weston	Coal	Wisconsin Public Service Corp	1,077
6. Point Beach Nuclear Plant.....	Nuclear	NextEra Energy Point Beach LLC	1,041
7. Edgewater	Coal	Wisconsin Power & Light Co	805
8. Riverside Energy Center.....	Gas	Rock River Energy LLC	598
9. Kewaunee	Nuclear	Dominion Energy Kewaunee Inc.	556
10. Fox Energy Center.....	Gas	GE Energy Services	548

MW = Megawatt.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2008
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
Wisconsin						
1. Wisconsin Electric Power Co.....	Investor-Owned	25,323,682	8,107,192	9,025,524	8,190,966	-
2. Wisconsin Public Service Corp.....	Investor-Owned	10,603,819	2,728,871	3,970,772	3,904,176	-
3. Wisconsin Power & Light Co.....	Investor-Owned	10,529,409	3,445,885	2,335,507	4,748,017	-
4. Northern States Power Co - Wisconsin.....	Investor-Owned	6,228,572	1,883,501	2,742,860	1,602,211	-
5. Madison Gas & Electric Co.....	Investor-Owned	3,332,621	810,415	2,248,800	273,406	-
Total Sales, Top Five Providers.....		56,018,103	16,975,864	20,323,463	18,718,776	-
Percent of Total State Sales.....		80	77	87	76	-

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatts)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Wisconsin										
Electric Utilities.....	11,863	12,511	12,568	12,405	12,877	12,911	11,767	12,975	91.8	73.6
Coal.....	7,198	7,186	7,123	6,856	6,855	6,879	6,746	7,266	55.7	41.2
Petroleum.....	1,055	1,156	783	759	771	764	810	847	8.2	4.8
Natural Gas.....	1,613	2,168	2,634	2,689	3,697	3,716	3,683	4,248	12.5	24.1
Nuclear.....	1,494	1,510	1,565	1,586	1,026	1,026	-	-	11.6	-
Hydroelectric.....	443	425	427	431	436	425	436	433	3.4	2.5
Other Renewables.....	61	66	37	84	92	101	91	180	0.5	1.0
Independent Power Producers and Combined Heat and Power.....	1,056	1,726	1,740	2,330	3,330	3,504	4,597	4,647	8.2	26.4
Coal.....	448	313	316	277	291	184	199	331	3.5	1.9
Petroleum.....	164	3	3	3	18	117	139	26	1.3	0.1
Natural Gas.....	322	1,136	1,145	1,744	2,169	2,339	2,348	2,296	2.5	13.0
Nuclear.....	-	-	-	-	556	556	1,582	1,582	-	9.0
Hydroelectric.....	54	69	51	51	51	51	52	52	0.4	0.3
Other Renewables.....	68	184	205	233	225	236	256	338	0.5	1.9
Other.....	-	21	21	21	21	21	21	21	-	0.1
Total Electric Industry.....	12,919	14,237	14,309	14,734	16,208	16,415	16,365	17,622	100.0	100.0
Coal.....	7,646	7,500	7,439	7,133	7,146	7,063	6,945	7,597	59.2	43.1
Petroleum.....	1,219	1,159	786	762	789	881	949	874	9.4	5.0
Natural Gas.....	1,935	3,304	3,779	4,433	5,866	6,056	6,032	6,544	15.0	37.1
Nuclear.....	1,494	1,510	1,565	1,586	1,582	1,582	1,582	1,582	11.6	9.0
Hydroelectric.....	497	494	478	482	487	476	488	485	3.8	2.8
Other Renewables.....	129	250	241	317	318	337	348	518	1.0	2.9
Other.....	-	21	21	21	21	21	21	21	-	0.1

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatthours)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Wisconsin										
Electric Utilities.....	52,529,065	54,773,666	56,068,698	56,142,364	55,169,108	51,914,755	44,284,480	45,536,712	93.1	71.7
Coal.....	39,785,759	38,583,501	40,579,973	40,981,609	40,506,086	38,866,178	38,719,363	40,452,933	70.5	63.7
Petroleum.....	200,225	162,990	185,625	494,535	470,219	591,486	725,019	647,602	0.4	1.0
Natural Gas.....	1,187,522	973,287	1,131,999	711,519	2,450,224	2,114,624	3,175,563	2,457,177	2.1	3.9
Nuclear.....	9,397,174	12,448,813	12,215,463	11,887,849	9,920,991	8,560,416	-	-	16.6	-
Hydroelectric.....	1,517,765	2,282,883	1,623,369	1,748,442	1,498,881	1,446,192	1,313,600	1,427,741	2.7	2.2
Other Renewables.....	440,620	179,399	194,031	227,684	230,399	259,408	277,136	509,980	0.8	0.8
Other.....	-	142,793	138,238	90,726	92,308	76,451	73,800	41,280	-	0.1
Independent Power Producers and Combined Heat and Power.....	3,918,366	3,657,772	4,053,726	4,302,569	6,655,556	9,725,088	19,106,150	17,942,843	6.9	28.3
Coal.....	1,238,234	1,223,983	1,137,243	1,166,567	1,223,227	1,250,312	1,308,887	1,252,928	2.2	2.0
Petroleum.....	291,270	259,688	287,162	301,084	276,291	285,700	288,395	283,558	0.5	0.4
Natural Gas.....	1,296,753	1,103,026	1,346,392	1,693,843	3,936,570	3,243,858	3,313,188	2,786,412	2.3	4.4
Nuclear.....	-	-	-	-	-	3,673,099	12,910,319	12,154,510	-	19.1
Hydroelectric.....	229,659	232,134	219,926	232,234	241,338	232,406	202,483	188,401	0.4	0.3
Other Renewables.....	862,450	836,193	1,031,693	885,955	951,254	1,006,215	1,052,382	1,243,955	1.5	2.0
Other.....	-	2,748	31,310	22,887	26,875	33,499	30,497	33,079	-	0.1
Total Electric Industry.....	56,447,431	58,431,438	60,122,424	60,444,933	61,824,664	61,639,843	63,390,630	63,479,555	100.0	100.0
Coal.....	41,023,993	39,807,484	41,717,216	42,148,176	41,729,313	40,116,490	40,028,250	41,705,860	72.7	65.7
Petroleum.....	491,495	422,678	472,787	795,619	746,510	877,186	1,013,414	931,160	0.9	1.5
Natural Gas.....	2,484,275	2,076,313	2,478,391	2,405,362	6,386,794	5,358,482	6,488,750	5,243,589	4.4	8.3
Nuclear.....	9,397,174	12,448,813	12,215,463	11,887,849	9,920,991	12,233,515	12,910,319	12,154,510	16.6	19.1
Hydroelectric.....	1,747,424	2,515,017	1,843,295	1,980,676	1,740,219	1,678,598	1,516,083	1,616,142	3.1	2.5
Other Renewables.....	1,303,070	1,015,593	1,225,724	1,113,639	1,181,653	1,265,623	1,329,518	1,753,935	2.3	2.8
Other.....	-	145,540	169,548	113,612	119,183	109,950	104,297	74,358	-	0.1

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1998 and 2002 Through 2008

Fuel, Quality	1998	2002	2003	2004	2005	2006	2007	2008
Wisconsin								
Coal (cents per million Btu)	107	112	W	W	W	W	W	198
Average heat value (Btu per pound).....	9,299	9,089	9,006	9,030	9,088	8,975	8,967	9,025
Average sulfur Content (percent)	0.46	0.41	0.38	0.39	0.38	0.36	0.36	0.37
Petroleum (cents per million Btu) ¹	83	W	W	W	W	W	W	356
Average heat value (Btu per gallon).....	75,079	133,712	134,343	135,093	135,238	134,333	134,845	136,126
Average sulfur Content (percent)	5.29	5.19	5.35	5.45	5.33	5.36	5.49	4.99
Natural Gas (cents per million Btu).....	264	354	582	639	862	726	741	895
Average heat value (Btu per cubic foot).....	1,013	999	1,002	1,002	1,012	1,012	1,021	1,016

¹ Petroleum includes petroleum liquids and petroleum coke.

Btu = British thermal unit.

W = Withheld to avoid disclosure of individual company data.

Note: Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. There may be a notable increase in fuel receipts beginning with 2008. For more information, please see the Technical Notes in the Electric Power Annual.

Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report." Federal Energy Regulatory Commission, FERC Form 423, "Monthly Cost and Quality of Fuels for Electric Plants." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 7. Electric Power Industry Emissions Estimates, 1998 and 2002 Through 2008
(Thousand Metric Tons)

Emission Type	1998	2002	2003	2004	2005	2006	2007	2008
Wisconsin								
Sulfur Dioxide								
Coal	226	474	215	195	193	185	157	153
Petroleum	15	52	9	21	14	15	15	14
Natural Gas	* ^R	*	*	* ^R	*	*	*	*
Other Renewables	9	98	8	6	6	8	5	5
Other	2	1	1	1	1	1	1	1
Total	251	625	232	223	214	208	177	172
Nitrogen Oxide								
Coal	108	239	83	78	70	65	58	54
Petroleum	3	6	2	3	2	2	2	2
Natural Gas	3	59	3	2	3	2	2	2
Other Renewables	4	45	5	6	6	7	7	9
Other	1	*	*	*	*	*	*	*
Total	119	349	93	89	81	77	70	67
Carbon Dioxide								
Coal	45,799 ^R	46,665 ^R	46,021 ^R	46,965 ^R	49,324 ^R	44,207 ^R	44,249 ^R	45,233
Petroleum	852 ^R	938 ^R	942 ^R	1,333 ^R	1,345 ^R	1,572 ^R	1,642 ^R	1,439
Natural Gas	1,959 ^R	1,555 ^R	1,763 ^R	1,913 ^R	3,723 ^R	2,826 ^R	3,324 ^R	2,575
Other Renewables	3 ^R	-	-	-	-	-	-	-
Other	43 ^R	166 ^R	178 ^R	141 ^R	104 ^R	119 ^R	104 ^R	63
Total	48,655 ^R	49,325 ^R	48,904 ^R	50,351 ^R	54,496 ^R	48,724 ^R	49,319 ^R	49,310

R = Revised.

* = 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 *).

- (dash) = Data not available.

Source: Calculations made by the Electric Power Division, U. S. Energy Information Administration.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1998 and 2002 Through 2008

Sector	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Wisconsin										
Retail Sales (thousand megawatthours)										
Residential	19,087	21,575	21,364	21,192	22,458	21,779	22,374	21,976	30.8	31.3
Commercial	16,193	19,144	20,056	19,349	22,501	22,756	23,491	23,473	26.1	33.5
Industrial	26,040	25,534	25,821	27,435	25,376	25,286	25,436	24,672	42.0	35.2
Other	741	746	NA	NA	NA	NA	NA	NA	1.2	--
All Sectors	62,061	66,999	67,241	67,976	70,336	69,821	71,301	70,122	100.0	100.0
Retail Revenue (million dollars)										
Residential	1,369	1,765	1,853	1,922	2,171	2,289	2,431	2,530	40.6	40.1
Commercial	951	1,253	1,397	1,401	1,726	1,905	2,047	2,177	28.2	34.5
Industrial	1,004	1,131	1,217	1,353	1,368	1,480	1,567	1,606	29.7	25.4
Other	52	60	NA	NA	NA	NA	NA	NA	1.5	--
All Sectors	3,376	4,209	4,468	4,677	5,264	5,674	6,045	6,313	100.0	100.0
Average Retail Prices (cents/kWh)										
Residential	7.17	8.18	8.67	9.07	9.66	10.51	10.87	11.51	--	--
Commercial	5.87	6.54	6.97	7.24	7.67	8.37	8.71	9.28	--	--
Industrial	3.86	4.43	4.71	4.93	5.39	5.85	6.16	6.51	--	--
Other	7.01	8.08	NA	NA	NA	NA	NA	NA	--	--
All Sectors	5.44	6.28	6.64	6.88	7.48	8.13	8.48	9.00	--	--

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 9. Retail Electricity Sales Statistics, 2008

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Wisconsin								
Number of Entities	12	82	NA	24	NA	NA	NA	118
Number of Retail Customers	2,388,760	274,041	NA	255,311	NA	NA	NA	2,918,112
Retail Sales (thousand megawatthours)	58,429	7,947	NA	3,746	NA	NA	NA	70,122
Percentage of Retail Sales	83.32	11.33	--	5.34	--	--	--	100.00
Revenue from Retail Sales (million dollars)	5,285	629	NA	399	NA	NA	NA	6,313
Percentage of Revenue	83.72	9.96	--	6.33	--	--	--	100.00
Average Retail Price (cents/kWh)	9.05	7.91	NA	10.66	NA	NA	NA	9.00

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Totals may not equal sum of components because of independent rounding. 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.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 10. Supply and Disposition of Electricity, 1998 and 2002 Through 2008
(Million Kilowatthours)

Category	1998	2002	2003	2004	2005	2006	2007	2008
Wisconsin								
Supply								
Generation								
Electric Utilities	52,529	54,774	56,069	56,142	55,169	51,915	44,284	45,537
Independent Power Producers	244	351	726	1,348	3,212	6,373	15,406	14,499
Combined Heat and Power, Electric	913	746	585	407	793	785	1,065	943
Electric Power Sector Generation Subtotal	53,686	55,872	57,380	57,897	59,174	59,073	60,756	60,979
Combined Heat and Power, Commercial	138	147	132	163	164	110	126	171
Combined Heat and Power, Industrial.....	2,623	2,413	2,611	2,384	2,487	2,457	2,509	2,329
Industrial and Commercial Generation Subtotal	2,761	2,560	2,742	2,548	2,651	2,567	2,635	2,501
Total Net Generation	56,447	58,431	60,122	60,445	61,825	61,640	63,391	63,480
Total International Imports	840	-	1	-	*	*	*	-
Total Supply	57,287	58,431	60,123	60,445	61,825	61,640	63,391	63,480
Disposition								
Retail Sales								
Full Service Providers	62,061	66,999	67,178	67,905	70,334	69,819	71,301	70,122
Facility Direct Retail Sales ¹	-	-	63	70	2	2	-	-
Total Electric Industry Retail Sales	62,061	66,999	67,241	67,976	70,336	69,821	71,301	70,122
Direct Use	2,752	2,721	2,756	2,759	4,087	3,587	3,928	4,079
Total International Exports	33	-	-	-	-	-	-	*
Estimated Losses	4,203	4,258	3,397^R	4,440^R	4,105^R	3,544	4,096	3,791
Total Disposition	69,050	73,979	73,395^R	75,175^R	78,528^R	76,952	79,326	77,992
Net Interstate Trade ²	-11,762	-15,547	-13,272^R	-14,730^R	-16,703^R	-15,312	-15,936	-14,512
Net Trade Index (ratio) ³	0.83	0.79	0.82	0.80	0.79	0.80	0.80	0.81

¹ Facility Direct Retail Sales are electricity sales from non utility power producers which reported electricity sales to a retail customer.

² Net Interstate Trade is the difference between Total Supply and Total Disposition.

³ Net Trade Index is the ratio of Total Supply to Total Disposition.

R = Revised.

* = 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 *).

- (dash) = Data not available.

Notes: Totals may not equal sum of components because of independent rounding. 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. 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.

Sources: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms. U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry 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.

Table 1. 2008 Summary Statistics

Item	Value	U.S. Rank
Wyoming		
NERC Region(s).....		WECC
Primary Energy Source.....		Coal
Net Summer Capacity (megawatts)	7,145	37
Electric Utilities.....	6,450	32
Independent Power Producers & Combined Heat and Power.....	695	45
Net Generation (megawatthours).....	46,500,448	34
Electric Utilities.....	43,909,400	26
Independent Power Producers & Combined Heat and Power.....	2,591,048	42
Emissions (thousand metric tons)		
Sulfur Dioxide	83	26
Nitrogen Oxide	73	18
Carbon Dioxide.....	46,517	21
Sulfur Dioxide (lbs/MWh)	3.9	23
Nitrogen Oxide (lbs/MWh)	3.5	7
Carbon Dioxide (lbs/MWh).....	2,205	2
Total Retail Sales (megawatthours)	16,690,249	40
Full Service Provider Sales (megawatthours)	16,690,249	40
Direct Use (megawatthours)	1,001,086	28
Average Retail Price (cents/kWh).....	5.67	50

MWh = Megawatthours.

kWh = Kilowatthours.

Sources: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 2. Ten Largest Plants by Generating Capacity, 2008

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. Seven Mile Hill.....	Other Renewables	PacifiCorp	124
8. Neil Simpson II.....	Coal	Black Hills Power Inc	114
10. Shute Creek Cogeneration Facility.....	Gas	Exxon Mobil Production Co	92

MW = Megawatt.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2008
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
Wyoming						
1. PacifiCorp.....	Investor-Owned	9,335,392	1,082,626	1,518,708	6,734,058	-
2. Powder River Energy Corporation	Cooperative	2,978,301	203,532	1,280,669	1,494,100	-
3. Cheyenne Light Fuel & Power Co	Investor-Owned	988,547	255,345	589,023	144,179	-
4. High Plains Power Inc	Cooperative	911,311	145,845	59,003	706,463	-
5. Lower Valley Energy Inc	Cooperative	643,696	375,691	231,142	36,863	-
Total Sales, Top Five Providers		14,857,247	2,063,039	3,678,545	9,115,663	-
Percent of Total State Sales		89	76	83	95	-

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatts)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Wyoming										
Electric Utilities.....	6,018	6,122	6,088	6,086	6,241	6,137	6,142	6,450	98.5	90.3
Coal.....	5,710	5,692	5,692	5,692	5,817	5,747	5,747	5,832	93.4	81.6
Petroleum.....	10	5	5	5	-	-	5	5	0.2	0.1
Natural Gas	-	119	85	80	113	79	79	79	-	1.1
Hydroelectric	298	300	300	303	303	303	303	303	4.9	4.2
Other Renewables.....	-	6	6	6	9	9	9	231	-	3.2
Independent Power Producers and Combined Heat and Power	94	226	474	473	465	569	525	695	1.5	9.7
Coal.....	28	30	100	100	30	100	100	100	0.5	1.4
Petroleum.....	1	4	4	2	6	6	2	2	*	*
Natural Gas	51	58	92	81	47	81	41	41	0.8	0.6
Other Gases.....	2	-	-	-	92	92	92	92	*	1.3
Other Renewables.....	1	135	279	279	279	279	279	449	*	6.3
Other	11	-	-	12	12	12	12	12	0.2	0.2
Total Electric Industry.....	6,111	6,348	6,562	6,558	6,707	6,707	6,667	7,145	100.0	100.0
Coal.....	5,738	5,722	5,792	5,792	5,847	5,847	5,847	5,932	93.9	83.0
Petroleum.....	11	8	8	6	6	6	7	7	0.2	0.1
Natural Gas	51	177	177	161	160	160	120	120	0.8	1.7
Other Gases.....	2	-	-	-	92	92	92	92	*	1.3
Hydroelectric	298	300	300	303	303	303	303	303	4.9	4.2
Other Renewables.....	1	141	285	285	287	287	287	680	*	9.5
Other	11	-	-	12	12	12	12	12	0.2	0.2

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatthours)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Wyoming										
Electric Utilities.....	44,699,071	42,532,420	42,261,405	43,059,537	44,031,568	42,905,244	43,144,350	43,909,400	98.6	94.4
Coal.....	43,287,140	41,685,278	41,490,825	42,372,775	43,112,061	41,948,761	42,204,359	42,900,080	95.5	92.3
Petroleum.....	42,871	38,686	41,567	43,450	40,311	44,240	46,116	43,765	0.1	0.1
Natural Gas.....	26,738	205,791	119,729	35,207	55,805	48,492	147,571	85,459	0.1	0.2
Hydroelectric.....	1,342,322	583,615	593,555	593,147	808,375	843,316	729,424	835,275	3.0	1.8
Other Renewables.....	-	19,050	15,729	14,958	15,016	20,435	16,880	44,821	-	0.1
Independent Power Producers and Combined Heat and Power.....	648,225	1,251,419	1,365,197	1,748,067	1,535,739	2,495,126	2,489,136	2,591,048	1.4	5.6
Coal.....	216,923	237,883	850,627	972,965	233,615	943,066	922,450	907,823	0.5	2.0
Petroleum.....	2,760	1,418	3,354	2,409	1,994	1,697	1,106	262	*	*
Natural Gas.....	341,676	507,289	160,467	51,690	269,176	452,778	446,455	409,219	0.8	0.9
Other Gases.....	7,505	-	-	12,746	263,586	309,927	312,091	288,645	*	0.6
Other Renewables.....	2,045	428,280	350,749	601,557	702,248	738,626	738,001	917,721	*	2.0
Other.....	77,316	76,549	-	106,700	65,120	49,032	69,034	67,377	0.2	0.1
Total Electric Industry.....	45,347,296	43,783,839	43,626,602	44,807,604	45,567,307	45,400,370	45,633,486	46,500,448	100.0	100.0
Coal.....	43,504,063	41,923,161	42,341,452	43,345,740	43,345,676	42,891,827	43,126,809	43,807,903	95.9	94.2
Petroleum.....	45,631	40,104	44,921	45,859	42,305	45,937	47,222	44,027	0.1	0.1
Natural Gas.....	368,414	713,080	280,196	86,897	324,981	501,270	594,026	494,679	0.8	1.1
Other Gases.....	7,505	-	-	12,746	263,586	309,927	312,091	288,645	*	0.6
Hydroelectric.....	1,342,322	583,615	593,555	593,147	808,375	843,316	729,424	835,275	3.0	1.8
Other Renewables.....	2,045	447,330	366,478	616,515	717,264	759,061	754,881	962,542	*	2.1
Other.....	77,316	76,549	-	106,700	65,120	49,032	69,034	67,377	0.2	0.1

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1998 and 2002 Through 2008

Fuel, Quality	1998	2002	2003	2004	2005	2006	2007	2008
Wyoming								
Coal (cents per million Btu)	79	79	82	87	95	W	W	W
Average heat value (Btu per pound).....	8,794	8,759	8,826	8,826	8,814	8,708	8,684	8,769
Average sulfur Content (percent)	0.53	0.49	0.49	0.48	0.49	0.51	0.49	0.51
Petroleum (cents per million Btu) ¹	406	553	714	950	1,317	1,628	1,772	W
Average heat value (Btu per gallon).....	139,138	139,448	139,593	139,338	139,638	139,333	139,448	139,926
Average sulfur Content (percent)	0.31	0.31	0.30	0.31	0.30	0.32	0.31	0.24
Natural Gas (cents per million Btu).....	796	W	W	341	553	W	W	423
Average heat value (Btu per cubic foot).....	1,044	854	997	1,060	1,048	983	988	985

¹ Petroleum includes petroleum liquids and petroleum coke.
Btu = British thermal unit.

W = Withheld to avoid disclosure of individual company data.

Note: Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. There may be a notable increase in fuel receipts beginning with 2008. For more information, please see the Technical Notes in the Electric Power Annual.

Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report." Federal Energy Regulatory Commission, FERC Form 423, "Monthly Cost and Quality of Fuels for Electric Plants." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 7. Electric Power Industry Emissions Estimates, 1998 and 2002 Through 2008 (Thousand Metric Tons)

Emission Type	1998	2002	2003	2004	2005	2006	2007	2008
Wyoming								
Sulfur Dioxide								
Coal	104	93	84	84	87	84	83	83
Petroleum	1	16	*	*	*	*	*	*
Natural Gas	*	*	*	R	R	*	*	*
Other Gases	-	-	-	-	-	*	*	*
Other	-	*	-	-	-	-	-	-
Total	105	109	84	85	88	84	83	83
Nitrogen Oxide								
Coal	96	96	79	86	82	78	73	70
Petroleum	*	5	*	*	*	*	*	*
Natural Gas	1	72	*	*	*	1	1	1
Other Gases	*	-	-	*	*	2	2	1
Other	*	4	-	-	*	*	*	*
Total	97	177	79	86	82	82	77	73
Carbon Dioxide								
Coal	46,077 ^R	44,491 ^R	45,584 ^R	46,220 ^R	45,425 ^R	45,140 ^R	45,573 ^R	46,102
Petroleum	81 ^R	41 ^R	40 ^R	78 ^R	71 ^R	70 ^R	56 ^R	39
Natural Gas	240 ^R	429 ^R	175 ^R	164	392 ^R	460 ^R	536 ^R	376
Total	46,399 ^R	44,961 ^R	45,798 ^R	46,462 ^R	45,888 ^R	45,670 ^R	46,165 ^R	46,517

R = Revised.

* = 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 *).

- (dash) = Data not available.

Source: Calculations made by the Electric Power Division, U. S. Energy Information Administration.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1998 and 2002 Through 2008

Sector	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
Wyoming										
Retail Sales (thousand megawatthours)										
Residential	2,013	2,232	2,286	2,262	2,377	2,468	2,592	2,719	17.3	16.3
Commercial	2,490	3,027	3,282	3,393	3,754	4,117	4,214	4,411	21.4	26.4
Industrial	6,950	7,453	7,685	7,884	8,007	8,362	8,730	9,560	59.7	57.3
Other	188	162	NA	NA	NA	NA	NA	NA	1.6	--
All Sectors	11,641	12,874	13,254	13,540	14,138	14,947	15,536	16,690	100.0	100.0
Retail Revenue (million dollars)										
Residential	126	156	161	163	178	191	201	223	25.2	23.6
Commercial	131	173	189	203	232	258	263	296	26.1	31.3
Industrial	235	264	281	308	319	338	358	428	46.8	45.2
Other	10	10	NA	NA	NA	NA	NA	NA	1.9	--
All Sectors	502	602	630	674	729	788	823	947	100.0	100.0
Average Retail Prices (cents/kWh)										
Residential	6.28	6.97	7.04	7.21	7.48	7.75	7.75	8.21	--	--
Commercial	5.25	5.71	5.74	5.98	6.17	6.28	6.25	6.71	--	--
Industrial	3.38	3.55	3.65	3.91	3.99	4.04	4.10	4.47	--	--
Other	5.15	5.93	NA	NA	NA	NA	NA	NA	--	--
All Sectors	4.31	4.68	4.76	4.98	5.16	5.27	5.29	5.67	--	--

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 9. Retail Electricity Sales Statistics, 2008

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Wyoming								
Number of Entities	5	13	1	17	NA	NA	NA	36
Number of Retail Customers	189,896	33,439	7	97,820	NA	NA	NA	321,162
Retail Sales (thousand megawatthours)	10,795	623	32	5,240	NA	NA	NA	16,690
Percentage of Retail Sales	64.68	3.73	0.19	31.40	--	--	--	100.00
Revenue from Retail Sales (million dollars)	612	45	1	289	NA	NA	NA	947
Percentage of Revenue	64.61	4.77	0.07	30.56	--	--	--	100.00
Average Retail Price (cents/kWh)	5.67	7.25	1.94	5.52	NA	NA	NA	5.67

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Totals may not equal sum of components because of independent rounding. 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.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 10. Supply and Disposition of Electricity, 1998 and 2002 Through 2008
(Million Kilowatthours)

Category	1998	2002	2003	2004	2005	2006	2007	2008
Wyoming								
Supply								
Generation								
Electric Utilities	44,699	42,532	42,261	43,060	44,032	42,905	43,144	43,909
Independent Power Producers	2	576	1,052	1,350	702	1,484	1,465	1,627
Electric Power Sector Generation Subtotal	44,701	43,108	43,314	44,410	44,734	44,389	44,610	45,537
Combined Heat and Power, Industrial.....	646	676	313	398	833	1,012	1,024	964
Industrial and Commercial Generation Subtotal	646	676	313	398	833	1,012	1,024	964
Total Net Generation	45,347	43,784	43,627	44,808	45,567	45,400	45,633	46,500
Total International Imports	-	21	29	19	48	28	32	23
Total Supply	45,347	43,805	43,655	44,827	45,615	45,428	45,666	46,523
.....								
Disposition								
Retail Sales								
Full Service Providers	11,641	12,874	13,251	13,540	14,138	14,947	15,536	16,690
Facility Direct Retail Sales ¹	-	-	3	-	-	-	-	-
Total Electric Industry Retail Sales	11,641	12,874	13,254	13,540	14,138	14,947	15,536	16,690
Direct Use	646	653	662	662	350	1,217	1,034	1,001
Total International Exports	-	-	-	75	145	75	87	64
Estimated Losses	788	958	791	1,005^R	1,110	1,224	1,212	1,304
Total Disposition	13,075	14,485	14,706	15,282	15,743	17,462	17,868	19,060
.....								
Net Interstate Trade ²	32,272	29,320	28,949	29,545	29,872	27,966	27,798	27,463
Net Trade Index (ratio) ³	3.47	3.02	2.97	2.93	2.90	2.60	2.56	2.44

¹ Facility Direct Retail Sales are electricity sales from non utility power producers which reported electricity sales to a retail customer.

² Net Interstate Trade is the difference between Total Supply and Total Disposition.

³ Net Trade Index is the ratio of Total Supply to Total Disposition.

R = Revised.

- (dash) = Data not available.

Notes: Totals may not equal sum of components because of independent rounding. 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. 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.

Sources: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms. U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry 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.

Table 1. 2008 Summary Statistics

Item	Value	Highest	Lowest
United States			
Primary Energy Source	Coal		
Net Summer Capacity (megawatts)	1,010,171	Texas	District of Columbia
Electric Utilities	584,908	Florida	Rhode Island
Independent Power Producers & Combined Heat and Power.....	425,263	Texas	Nebraska
Net Generation (megawatthours)	4,119,387,760	Texas	District of Columbia
Electric Utilities	2,475,366,697	Florida	New Jersey
Independent Power Producers & Combined Heat and Power.....	1,644,021,063	Texas	Nebraska
Emissions (thousand metric tons)			
Sulfur Dioxide	7,830	Pennsylvania	Vermont
Nitrogen Oxide	3,330	Ohio	District of Columbia
Carbon Dioxide.....	2,477,213	Texas	Vermont
Sulfur Dioxide (lbs/MWh)	4.2	Maryland	Vermont
Nitrogen Oxide (lbs/MWh)	1.8	District of Columbia	Vermont
Carbon Dioxide (lbs/MWh).....	1,326	North Dakota	Vermont
Total Retail Sales (megawatthours)	3,732,962,180	Texas	Vermont
Full Service Provider Sales (megawatthours)	3,447,247,774	Texas	Maine
Deregulated Sales (megawatthours)	285,714,406	Illinois	Texas
Direct Use (megawatthours)	173,481,228	Texas	District of Columbia
Average Retail Price (cents/kWh)	9.74	Hawaii	West Virginia

MWh = Megawatthours.

kWh = Kilowatthours.

Sources: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 2. Ten Largest Plants by Generating Capacity, 2008

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	3,942
3. Martin	Gas	Florida Power & Light Co	3,814
4. W A Parish.....	Coal	NRG Texas Power LLC	3,667
5. Scherer	Coal	Georgia Power Co	3,405
6. Turkey Point	Nuclear	Florida Power & Light Co	3,330
7. Browns Ferry	Nuclear	Tennessee Valley Authority	3,274
8. Bowen.....	Coal	Georgia Power Co	3,253
9. Crystal River.....	Coal	Progress Energy Florida Inc	3,171
10. Gibson.....	Coal	Duke Energy Indiana Inc	3,131

MW = Megawatt.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2008
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
United States						
1. Florida Power & Light Co.....	Investor-Owned	102,749,430	53,141,214	45,945,938	3,581,316	80,962
2. Georgia Power Co.....	Investor-Owned	84,304,394	26,412,131	33,547,121	24,163,566	181,576
3. Pacific Gas & Electric Co.....	Investor-Owned	82,078,073	31,415,373	37,700,494	12,962,206	-
4. Southern California Edison Co.....	Investor-Owned	80,956,173	30,643,314	41,643,256	8,605,991	63,612
5. Virginia Electric & Power Co.....	Investor-Owned	78,664,230	29,627,965	39,062,957	9,779,245	194,063
Total Sales, Top Five Providers.....		428,752,300	171,239,997	197,899,766	59,092,324	520,213
Percent of Total U.S. Sales.....		11	12	15	6	7

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatts)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
United States										
Electric Utilities.....	686,692	561,074	547,249	550,550	556,235	567,523	571,200	584,908	88.5	57.9
Coal.....	299,739	244,056	236,473	235,976	229,705	230,644	231,289	231,857	38.6	23.0
Petroleum.....	62,704	33,876	32,570	31,415	30,867	30,419	29,115	30,657	8.1	3.0
Natural Gas.....	130,404	127,692	125,612	131,734	147,752	157,742	162,756	173,106	16.8	17.1
Other Gases.....	55	61	61	58	-	104	104	-	*	-
Nuclear.....	97,070	63,202	60,964	60,651	56,564	56,143	54,211	54,376	12.5	5.4
Hydroelectric.....	75,525	73,391	72,827	71,696	71,568	71,840	72,186	72,142	9.7	7.1
Other Renewables.....	2,067	989	925	960	1,545	2,291	2,806	4,066	0.3	0.4
Pumped Storage.....	18,898	17,807	17,803	18,048	18,195	18,301	18,693	18,664	2.4	1.8
Other.....	229	-	13	13	39	39	39	39	*	*
Independent Power Producers and Combined Heat and Power.....	89,177	344,227	401,198	412,392	421,785	418,692	423,688	425,263	11.5	42.1
Coal.....	16,047	71,294	76,546	77,044	83,675	82,312	81,449	81,464	2.1	8.1
Petroleum.....	3,578	25,775	28,160	27,704	27,681	27,679	26,952	26,788	0.5	2.7
Natural Gas.....	49,883	184,820	229,829	239,277	235,309	230,552	230,120	224,326	6.4	22.2
Other Gases.....	1,465	1,947	1,933	2,238	2,063	2,152	2,209	1,995	0.2	0.2
Nuclear.....	-	35,455	38,244	38,978	43,424	44,190	46,055	46,379	-	4.6
Hydroelectric.....	3,625	5,965	5,867	5,945	5,973	5,981	5,698	5,788	0.5	0.6
Other Renewables.....	13,377	15,721	17,228	17,756	19,660	21,822	27,263	34,427	1.7	3.4
Pumped Storage.....	620	2,564	2,719	2,717	3,152	3,160	3,193	3,193	0.1	0.3
Other.....	581	686	671	733	848	843	749	903	0.1	0.1
Total Electric Industry.....	775,868	905,301	948,446	962,942	978,020	986,215	994,888	1,010,171	100.0	100.0
Coal.....	315,786	315,350	313,019	313,020	313,380	312,956	312,738	313,322	40.7	31.0
Petroleum.....	66,282	59,651	60,730	59,119	58,548	58,097	56,068	57,445	8.5	5.7
Natural Gas.....	180,288	312,512	355,442	371,011	383,061	388,294	392,876	397,432	23.2	39.3
Other Gases.....	1,520	2,008	1,994	2,296	2,063	2,256	2,313	1,995	0.2	0.2
Nuclear.....	97,070	98,657	99,209	99,628	99,988	100,334	100,266	100,755	12.5	10.0
Hydroelectric.....	79,151	79,356	78,694	77,641	77,541	77,821	77,885	77,930	10.2	7.7
Other Renewables.....	15,444	16,710	18,153	18,717	21,205	24,113	30,069	38,493	2.0	3.8
Pumped Storage.....	19,518	20,371	20,522	20,764	21,347	21,461	21,886	21,858	2.5	2.2
Other.....	810	686	684	746	887	882	788	942	0.1	0.1

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1998 and 2002 Through 2008
(Megawatthours)

Energy Source	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
United States										
Electric Utilities.....	3,212,170,791	2,549,457,170	2,462,280,615	2,505,231,152	2,474,845,558	2,483,655,548	2,504,130,899	2,475,366,697	88.7	60.1
Coal.....	1,807,479,829	1,514,669,950	1,500,281,112	1,513,640,806	1,484,855,188	1,471,421,060	1,490,984,698	1,466,395,192	49.9	35.6
Petroleum.....	110,157,895	59,124,871	69,930,457	73,693,695	69,722,196	40,902,849	40,719,414	28,123,785	3.0	0.7
Natural Gas.....	309,222,404	229,639,287	186,966,798	199,662,043	238,203,738	282,088,323	313,785,128	320,189,965	8.5	7.8
Other Gases.....	-	206,469	242,655	374,012	9,810	30,300	141,031	45,941	-	*
Nuclear.....	673,702,104	507,379,828	458,828,821	475,682,277	436,296,037	425,341,428	427,555,339	424,256,336	18.6	10.3
Hydroelectric.....	308,843,770	242,302,069	249,621,997	245,545,963	245,553,417	261,863,602	226,733,688	229,644,880	8.5	5.6
Other Renewables.....	7,205,997	3,088,677	3,421,334	3,691,830	4,945,386	6,588,379	8,953,385	11,307,993	0.2	0.3
Pumped Storage.....	-4,441,208	-7,433,807	-7,531,885	-7,526,206	-5,383,451	-5,280,767	-5,327,595	-5,142,691	-0.1	-0.1
Other.....	-	479,826	519,327	466,733	643,237	700,374	585,811	545,295	-	*
Independent Power Producers and Combined Heat and Power.....	408,124,707	1,308,995,082	1,420,904,589	1,465,324,111	1,580,577,191	1,581,046,679	1,652,613,825	1,644,021,063	11.3	39.9
Coal.....	66,035,861	418,460,404	473,455,638	464,659,744	528,017,858	519,090,075	525,470,885	519,406,055	1.8	12.6
Petroleum.....	18,642,278	35,442,523	49,475,184	47,451,362	52,502,821	23,263,565	25,019,564	18,118,827	0.5	0.4
Natural Gas.....	222,034,700	461,366,459	462,940,744	510,437,974	522,756,516	534,352,447	582,804,663	562,790,634	6.1	13.7
Other Gases.....	13,492,230	11,256,216	15,357,365	14,878,419	13,454,334	14,146,508	13,312,323	11,660,934	0.4	0.3
Nuclear.....	-	272,684,259	304,903,874	312,846,110	345,690,328	361,877,208	378,869,414	381,952,099	-	9.3
Hydroelectric.....	14,491,891	22,026,763	26,184,330	22,871,346	24,767,838	27,382,814	20,776,286	25,186,505	0.4	0.6
Other Renewables.....	69,882,409	76,020,495	76,065,455	79,375,493	82,384,012	89,937,113	96,284,126	114,904,381	1.9	2.8
Pumped Storage.....	-26,072	-1,309,121	-1,003,180	-962,004	-1,174,337	-1,277,075	-1,568,757	-1,145,371	*	*
Other.....	3,571,410	13,047,085	13,525,180	13,765,668	12,177,822	12,274,025	11,645,320	11,146,998	0.1	0.3
Total Electric Industry.....	3,620,295,498	3,858,452,252	3,883,185,204	3,970,555,263	4,055,422,750	4,064,702,227	4,156,744,724	4,119,387,760	100.0	100.0
Coal.....	1,873,515,690	1,933,130,354	1,973,736,750	1,978,300,549	2,012,873,046	1,990,511,135	2,016,455,584	1,985,801,247	51.8	48.2
Petroleum.....	128,800,173	94,567,394	119,405,641	121,145,057	122,225,017	64,166,414	65,738,978	46,242,612	3.6	1.1
Natural Gas.....	531,257,104	691,005,746	649,907,542	710,100,017	760,960,254	816,440,770	896,589,791	882,980,599	14.7	21.4
Other Gases.....	13,492,230	11,462,685	15,600,020	15,252,431	13,464,144	14,176,808	13,453,354	11,706,876	0.4	0.3
Nuclear.....	673,702,104	780,064,087	763,732,695	788,528,387	781,986,365	787,218,636	806,424,753	806,208,435	18.6	19.6
Hydroelectric.....	323,335,661	264,328,832	275,806,327	268,417,308	270,321,255	289,246,416	247,509,974	254,831,385	8.9	6.2
Other Renewables.....	77,088,406	79,109,172	79,486,789	83,067,323	87,329,398	96,525,493	105,237,511	126,212,374	2.1	3.1
Pumped Storage.....	-4,467,280	-8,742,928	-8,535,065	-8,488,210	-6,557,788	-6,557,842	-6,896,352	-6,288,062	-0.1	-0.2
Other.....	3,571,410	13,526,911	14,044,507	14,232,402	12,821,059	12,974,399	12,231,131	11,692,294	0.1	0.3

* = 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 *).

- (dash) = Data not available.

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1998 and 2002 Through 2008

Fuel, Quality	1998	2002	2003	2004	2005	2006	2007	2008
United States								
Coal (cents per million Btu)	125	125	128	136	154	169	177	207
Average heat value (Btu per pound).....	10,241	10,168	10,137	10,074	10,107	10,063	10,028	9,947
Average sulfur Content (percent)	1.06	0.94	0.97	0.97	0.98	0.97	0.96	0.97
Petroleum (cents per million Btu) ¹	202	334	433	429	644	623	717	1,087
Average heat value (Btu per gallon).....	149,736	147,902	147,086	147,286	146,481	143,883	144,545	142,205
Average sulfur Content (percent)	1.48	1.64	1.53	1.66	1.61	2.31	2.10	2.21
Natural Gas (cents per million Btu).....	238	356	539	596	821	694	711	902
Average heat value (Btu per cubic foot).....	1,022	1,025	1,030	1,027	1,028	1,027	1,027	1,027

¹ Petroleum includes petroleum liquids and petroleum coke.
Btu = British thermal unit.

Note: Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. There may be a notable increase in fuel receipts beginning with 2008. For more information, please see the Technical Notes in the Electric Power Annual.

Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report." Federal Energy Regulatory Commission, FERC Form 423, "Monthly Cost and Quality of Fuels for Electric Plants." U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 7. Electric Power Industry Emissions Estimates, 1998 and 2002 Through 2008
(Thousand Metric Tons)

Emission Type	1998	2002	2003	2004	2005	2006	2007	2008
United States								
Sulfur Dioxide								
Coal.....	12,012	9,786	9,688	9,437	9,499	8,867	8,389	7,351
Petroleum.....	1,162	773	717	633	587 ^R	427	422	250
Natural Gas	1	2	2	2	2	2	3 ^R	3
Other Gases.....	*	*	*	*	*	*	*	*
Other Renewables.....	270 ^R	301	225	223	237	214	213	214
Other	19 ^R	19	13	13	14	13	13	11
Total.....	13,464 ^R	10,881 ^R	10,646	10,309	10,340	9,524	9,042	7,830
Nitrogen Oxide								
Coal.....	5,123	4,057	3,607	3,286	3,135	2,996	2,870	2,680
Petroleum.....	395	225	240	225	221	164	157	75
Natural Gas	700	625	453	416	383	399	382	351
Other Gases.....	20	42	44	31	33	45	44	23
Other Renewables.....	212 ^R	207	160	159	163	166	168	198
Other	8 ^R	39	28	27	26	30	30	3
Total.....	6,459	5,194	4,532	4,143	3,961	3,799	3,650	3,330
Carbon Dioxide								
Coal.....	1,881,697 ^R	1,931,976 ^R	1,966,841 ^R	1,982,570 ^R	2,021,451 ^R	1,993,996 ^R	2,022,577 ^R	1,994,993
Petroleum.....	123,659 ^R	91,120 ^R	112,076 ^R	115,811 ^R	117,115 ^R	68,006 ^R	67,790 ^R	47,898
Natural Gas	327,456 ^R	378,950 ^R	345,119 ^R	367,112 ^R	383,461 ^R	404,278 ^R	434,536 ^R	419,601
Geothermal	364 ^R	372 ^R	371 ^R	381 ^R	377 ^R	374 ^R	376 ^R	384
Other Renewables.....	11,564 ^R	-	-	-	-	-	-	-
Other	1,210 ^R	14,908 ^R	13,932 ^R	14,097 ^R	14,270 ^R	15,174 ^R	14,527 ^R	14,336
Total.....	2,345,951 ^R	2,417,327 ^R	2,438,338 ^R	2,479,971 ^R	2,536,675 ^R	2,481,829 ^R	2,539,805 ^R	2,477,213

R = Revised.

* = 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 *).

- (dash) = Data not available.

Source: Calculations made by the Electric Power Division, U. S. Energy Information Administration.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1998 and 2002 Through 2008

Sector	1998	2002	2003	2004	2005	2006	2007	2008	Percentage Share	
									1998	2008
United States										
Retail Sales (thousand megawatthours)										
Residential	1,130,109	1,265,180	1,275,824	1,291,982	1,359,227	1,351,520	1,392,241	1,379,981	34.6	37.0
Commercial	979,401	1,104,497	1,198,728	1,230,425	1,275,079	1,299,744	1,336,315	1,335,981	30.0	35.8
Industrial	1,051,203	990,238	1,012,373	1,017,850	1,019,156	1,011,298	1,027,832	1,009,300	32.2	27.0
Other	103,518	105,552	NA	NA	NA	NA	NA	NA	3.2	--
Transportation.....	NA	NA	6,810	7,224	7,506	7,358	8,173	7,700	--	0.2
All Sectors	3,264,231	3,465,466	3,493,734	3,547,479	3,660,969	3,669,919	3,764,561	3,732,962	100.0	100.0
Retail Revenue (million dollars).....										
Residential	93,360	106,834	111,249	115,577	128,393	140,582	148,295	155,433	42.5	42.7
Commercial	72,575	87,117	96,263	100,546	110,522	122,914	128,903	138,469	33.0	38.1
Industrial	47,050	48,336	51,741	53,477	58,445	62,308	65,712	68,920	21.4	19.0
Other	6,863	7,124	NA	NA	NA	NA	NA	NA	3.1	--
Transportation.....	NA	NA	514	519	643	702	792	827	--	0.2
All Sectors	219,848	249,411	259,767	270,119	298,003	326,506	343,703	363,650	100.0	100.0
Average Retail Prices (cents/kWh)										
Residential	8.26	8.44	8.72	8.95	9.45	10.40	10.65	11.26	--	--
Commercial	7.41	7.89	8.03	8.17	8.67	9.46	9.65	10.36	--	--
Industrial	4.48	4.88	5.11	5.25	5.73	6.16	6.39	6.83	--	--
Other	6.63	6.75	NA	NA	NA	NA	NA	NA	--	--
Transportation.....	NA	NA	7.54	7.18	8.57	9.54	9.70	10.74	--	--
All Sectors	6.74	7.20	7.44	7.61	8.14	8.90	9.13	9.74	--	--

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 9. Retail Electricity Sales Statistics, 2008

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
United States								
Number of Entities.....	242	1,943	6	818	63	90	70	3,232
Number of Retail Customers	101,342,157	20,747,699	39,930	18,167,208	8,198	2,970,443	NA	143,275,635
Retail Sales (thousand megawatthours).....	2,440,875	558,814	41,848	392,104	13,567	285,755	NA	3,732,962
Percentage of Retail Sales	65.39	14.97	1.12	10.50	0.36	7.65	--	100.00
Revenue from Retail Sales (million dollars)	240,300	49,179	1,861	36,631	1,050	25,673	8,956	363,650
Percentage of Revenue	66.08	13.52	0.51	10.07	0.29	7.06	2.46	100.00
Average Retail Price (cents/kWh).....	9.85	8.80	4.45	9.34	7.74	8.98	3.13	9.74

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Totals may not equal sum of components because of independent rounding. 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.

Source: U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report."

Table 10. Supply and Disposition of Electricity, 1998 and 2002 Through 2008
(Million Kilowatthours)

Category	1998	2002	2003	2004	2005	2006	2007	2008
United States								
Supply								
Generation								
Electric Utilities	3,212,171	2,549,457	2,462,281	2,505,231	2,474,846	2,483,656	2,504,131	2,475,367
Independent Power Producers	91,455	955,331	1,063,205	1,118,870	1,246,971	1,259,062	1,323,856	1,332,068
Combined Heat and Power, Electric	153,790	193,670	195,674	184,259	180,375	165,359	177,356	166,915
Electric Power Sector Generation Subtotal	3,457,416	3,698,458	3,721,159	3,808,360	3,902,192	3,908,077	4,005,343	3,974,349
Combined Heat and Power, Commercial	8,748	7,415	7,496	8,270	8,492	8,371	8,273	7,926
Combined Heat and Power, Industrial.....	154,132	152,580	154,530	153,925	144,739	148,254	143,128	137,113
Industrial and Commercial Generation Subtotal	162,880	159,994	162,026	162,195	153,231	156,625	151,401	145,039
Total Net Generation	3,620,295	3,858,452	3,883,185	3,970,555	4,055,423	4,064,702	4,156,745	4,119,388
Total International Imports	39,513	36,779	30,395	34,210	44,527	42,691	51,396	57,021
Total Supply	3,659,809	3,895,231	3,913,580	4,004,765	4,099,950	4,107,394	4,208,140	4,176,408
Disposition								
Retail Sales								
Full Service Providers	3,239,818	3,324,093	3,285,249	3,317,635	3,412,721	3,438,337	3,468,018	3,433,681
Energy-Only Providers.....	24,412	141,373	188,785	222,027	237,055	219,185	282,538	285,714
Facility Direct Retail Sales ¹	-	-	19,700	7,817	11,193	12,397	14,004	13,567
Total Electric Industry Retail Sales	3,264,231	3,465,466	3,493,734	3,547,479	3,660,969	3,669,919	3,764,561	3,732,962
Direct Use	160,866	166,184	168,295	168,470	150,016	146,927	159,254	173,481
Total International Exports	13,656	15,796	23,975	22,898	19,803^R	24,271	20,144	24,083
Estimated Losses	221,056	247,785	227,576	265,918	269,163^R	266,277	264,183	245,881
Total Disposition	3,659,809	3,895,231	3,913,580	4,004,765	4,099,950	4,107,394	4,208,140	4,176,408

¹ Facility Direct Retail Sales are electricity sales from non utility power producers which reported electricity sales to a retail customer.

R = Revised.

- (dash) = Data not available.

Notes: Totals may not equal sum of components because of independent rounding. 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. 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.

Sources: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms. U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry 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.

Table A1. Selected Electric Industry Summary Statistics by State, 2008

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	31,222	9	145,869,895	7	364	6	111	10	82,917	10
Alaska.....	Gas	1,995	48	6,774,834	50	4	48	15	41	4,367	46
Arizona.....	Coal	25,861	15	119,459,172	12	44	32	73	17	58,423	16
Arkansas.....	Coal	15,266	26	55,050,528	26	78	27	40	34	30,468	31
California.....	Gas	64,105	2	207,984,263	4	4	47	82	13	62,544	14
Colorado.....	Coal	12,545	32	53,441,594	28	55	30	63	25	41,480	24
Connecticut.....	Nuclear	7,824	36	30,409,473	40	4	46	7	46	9,429	41
Delaware.....	Coal	3,351	45	7,523,839	46	32	35	11	44	6,589	44
District of Columbia.....	Petroleum	790	51	72,316	51	*	49	*	51	70	50
Florida.....	Gas	55,460	3	219,636,818	3	271	11	170	5	120,969	5
Georgia.....	Coal	36,456	7	136,173,395	9	536	4	119	8	89,500	8
Hawaii.....	Petroleum	2,437	47	11,376,385	45	21	39	22	36	9,046	42
Idaho.....	Hydroelectric	3,378	44	11,970,553	44	6	45	3	49	1,015	49
Illinois.....	Coal	43,206	5	199,475,178	5	345	8	121	7	105,766	6
Indiana.....	Coal	27,079	13	129,510,294	10	555	3	191	3	124,295	3
Iowa.....	Coal	13,711	28	53,086,786	29	154	18	71	19	45,835	22
Kansas.....	Coal	11,992	33	46,630,321	32	87	23	49	29	37,065	28
Kentucky.....	Coal	19,902	21	97,863,340	16	317	9	146	6	93,909	7
Louisiana.....	Gas	26,183	14	92,453,141	17	93	22	74	16	54,603	17
Maine.....	Gas	4,239	42	17,094,919	43	26	36	11	45	5,313	45
Maryland.....	Coal	12,585	31	47,360,953	31	226	14	41	32	29,121	32
Massachusetts.....	Gas	13,505	29	42,505,478	35	44	31	19	39	22,248	35
Michigan.....	Coal	30,419	10	114,989,806	13	348	7	115	9	77,086	12
Minnesota.....	Coal	14,237	27	54,763,360	27	86	24	69	20	37,498	27
Mississippi.....	Gas	15,942	25	48,205,711	30	69	29	42	31	25,879	33
Missouri.....	Coal	20,706	19	91,028,795	19	253	12	83	12	77,144	11
Montana.....	Coal	5,614	40	29,637,137	41	22	38	28	35	20,226	36
Nebraska.....	Coal	7,024	39	32,373,522	39	70	28	41	33	22,304	34
Nevada.....	Gas	11,297	34	35,089,974	37	9	44	22	37	18,121	38
New Hampshire.....	Nuclear	4,174	43	22,876,992	42	34	34	6	47	6,777	43
New Jersey.....	Nuclear	18,508	22	63,674,789	23	35	33	20	38	20,072	37
New Mexico.....	Coal	7,950	35	37,009,837	36	20	40	64	23	30,664	30
New York.....	Gas	38,720	6	140,322,100	8	83	25	51	28	47,092	20
North Carolina.....	Coal	27,694	12	125,239,063	11	236	13	60	26	75,247	13
North Dakota.....	Coal	5,484	41	32,734,579	38	124	20	63	24	32,918	29
Ohio.....	Coal	33,492	8	153,412,251	6	725	2	222	1	128,758	2
Oklahoma.....	Coal	20,262	20	76,328,908	21	98	21	79	15	53,145	18
Oregon.....	Hydroelectric	13,328	30	58,718,438	25	12	42	14	42	10,793	40
Pennsylvania.....	Coal	45,130	4	222,350,925	2	780	1	181	4	123,855	4
Rhode Island.....	Gas	1,780	49	7,387,266	47	*	50	3	48	2,988	48
South Carolina.....	Nuclear	24,012	16	100,978,005	15	156	17	44	30	42,490	23
South Dakota.....	Coal	3,105	46	7,082,672	48	13	41	13	43	4,011	47
Tennessee.....	Coal	20,891	18	90,663,312	20	221	15	82	14	58,506	15
Texas.....	Gas	104,966	1	404,787,781	1	457	5	215	2	252,055	1
Utah.....	Coal	7,132	38	46,578,763	33	22	37	65	22	39,329	26
Vermont.....	Nuclear	1,127	50	6,820,216	49	*	51	*	50	7	51
Virginia.....	Coal	23,476	17	72,678,531	22	142	19	56	27	41,355	25
Washington.....	Hydroelectric	29,494	11	110,828,451	14	10	43	18	40	13,622	39
West Virginia.....	Coal	16,350	24	91,123,097	18	286	10	92	11	84,472	9
Wisconsin.....	Coal	17,622	23	63,479,555	24	172	16	67	21	49,310	19
Wyoming.....	Coal	7,145	37	46,500,448	34	83	26	73	18	46,517	21
United States.....	Coal	1,010,171	-	4,119,387,760	-	7,830	-	3,330	-	2,477,213	-

MWh = Megawatthours.

MW = Megawatt.

* = 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 *).

- (dash) = Data not available.

Table A1. Selected Electric Industry Summary Statistics by State, 2008 (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.....	89,707,279	15	89,707,279	13	-	-	4,771,287	9	8.59	26
Alaska.....	6,324,855	50	6,283,855	48	-	-	328,826	42	14.73	6
Arizona.....	76,267,916	21	76,267,916	20	-	-	504,516	38	9.11	21
Arkansas.....	46,134,681	30	46,134,681	28	-	-	1,987,076	21	7.60	37
California.....	268,155,219	2	249,493,537	2	18,661,682	5	21,915,517	3	12.48	12
Colorado.....	52,142,473	27	52,142,473	25	-	-	910,649	32	8.59	27
Connecticut.....	30,956,544	35	19,232,128	39	11,724,416	8	948,849	30	17.79	2
Delaware.....	11,748,783	44	7,789,197	46	3,959,586	12	750,658	34	12.36	13
District of Columbia.....	11,851,003	43	3,849,443	50	8,001,560	11	0	51	13.10	10
Florida.....	226,172,795	3	226,172,795	3	-	-	6,756,496	5	10.74	16
Georgia.....	135,173,514	8	135,173,514	6	-	-	5,893,889	6	8.84	25
Hawaii.....	10,390,279	48	10,390,279	44	-	-	395,634	39	29.20	1
Idaho.....	23,901,490	38	23,901,490	37	-	-	613,043	36	5.69	49
Illinois.....	144,619,914	6	79,498,509	18	65,121,405	1	4,993,077	7	9.26	20
Indiana.....	106,980,704	11	106,980,704	9	-	-	7,963,403	4	7.09	41
Iowa.....	45,488,070	31	45,488,070	29	-	-	1,412,589	24	6.89	42
Kansas.....	39,516,085	32	39,516,085	30	-	-	275	50	7.45	38
Kentucky.....	93,428,414	14	93,428,414	12	-	-	365,975	41	6.26	48
Louisiana.....	78,721,932	20	78,721,932	19	-	-	23,878,416	2	9.44	18
Maine.....	11,673,673	45	154,046	51	11,519,627	9	3,650,994	13	13.83	9
Maryland.....	63,325,777	24	36,765,861	31	26,559,916	3	1,204,206	27	13.00	11
Massachusetts.....	55,884,105	26	31,859,406	34	24,024,699	4	4,080,441	11	16.27	4
Michigan.....	105,781,271	12	102,620,003	11	3,161,268	13	3,400,383	14	8.94	24
Minnesota.....	68,791,615	23	68,791,615	22	-	-	1,347,645	25	7.79	35
Mississippi.....	47,721,235	29	47,721,235	26	-	-	3,375,414	15	8.99	23
Missouri.....	84,381,676	17	84,381,676	15	-	-	310,758	43	6.84	43
Montana.....	15,326,400	41	12,491,979	41	2,834,421	14	287,003	44	7.72	36
Nebraska.....	28,810,989	36	28,810,989	35	-	-	17,848	48	6.58	45
Nevada.....	35,192,496	33	33,856,531	33	1,335,965	17	385,827	40	9.89	17
New Hampshire.....	10,977,289	46	10,106,004	45	871,285	19	952,126	29	14.65	7
New Jersey.....	80,519,543	19	63,439,171	23	17,080,372	6	4,822,813	8	14.44	8
New Mexico.....	22,037,928	39	22,037,928	38	-	-	272,224	45	8.35	29
New York.....	144,052,936	7	81,932,467	16	62,120,469	2	2,544,338	18	16.57	3
North Carolina.....	130,054,113	9	130,054,113	7	-	-	2,939,334	16	7.96	32
North Dakota.....	12,416,074	42	12,416,074	42	-	-	207,865	46	6.69	44
Ohio.....	159,388,807	4	147,631,947	4	11,756,860	7	1,228,347	26	8.39	28
Oklahoma.....	56,278,866	25	56,278,866	24	-	-	2,169,023	20	7.81	34
Oregon.....	49,187,475	28	46,669,351	27	2,518,124	15	1,460,137	23	7.23	39
Pennsylvania.....	150,400,589	5	139,119,036	5	11,281,553	10	4,646,627	10	9.32	19
Rhode Island.....	7,818,594	49	6,723,283	47	1,095,311	18	59,177	47	16.01	5
South Carolina.....	80,650,572	18	80,650,572	17	-	-	1,977,788	22	7.85	33
South Dakota.....	10,974,086	47	10,974,086	43	-	-	673	49	7.14	40
Tennessee.....	104,169,779	13	104,169,779	10	-	-	2,472,111	19	8.18	30
Texas.....	347,059,227	1	347,059,227	1	-	-	34,523,984	1	10.99	15
Utah.....	28,191,511	37	28,191,511	36	-	-	943,389	31	6.49	47
Vermont.....	5,741,204	51	5,741,204	49	-	-	797,487	33	12.33	14
Virginia.....	110,106,337	10	110,090,819	8	15,518	20	2,760,256	17	8.00	31
Washington.....	87,332,884	16	85,262,515	14	2,070,369	16	650,283	35	6.55	46
West Virginia.....	34,221,103	34	34,221,103	32	-	-	522,441	37	5.61	51
Wisconsin.....	70,121,827	22	70,121,827	21	-	-	4,079,025	12	9.00	22
Wyoming.....	16,690,249	40	16,690,249	40	-	-	1,001,086	28	5.67	50
United States.....	3,732,962,180	-	3,447,247,774	-	285,714,406	-	173,481,228	-	9.74	-

MWh = Megawatthours.
kWh = Kilowatthours.
- (dash) = Data not available.