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# State Electricity Profiles 2010

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# Preface

The State Electricity Profiles 2010 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 Systems and Reliability Team; Office of Electricity, Renewables, and Uranium Statistics; 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 2000, and 2004 through 2010. 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. 2010 Summary Statistics**

Item	Value	U.S. Rank
<b>Alabama</b>		
NERC Region(s).....		SERC
Primary Energy Source.....		Coal
Net Summer Capacity (megawatts) .....	<b>32,417</b>	<b>9</b>
Electric Utilities.....	23,642	7
Independent Power Producers & Combined Heat and Power.....	8,775	12
Net Generation (megawatthours).....	<b>152,150,512</b>	<b>6</b>
Electric Utilities.....	122,766,490	2
Independent Power Producers & Combined Heat and Power.....	29,384,022	12
Emissions (thousand metric tons) .....		
Sulfur Dioxide .....	218	10
Nitrogen Oxide .....	66	14
Carbon Dioxide.....	79,375	9
Sulfur Dioxide (lbs/MWh) .....	3.2	18
Nitrogen Oxide (lbs/MWh) .....	1.0	36
Carbon Dioxide (lbs/MWh).....	1,150	33
Total Retail Sales (megawatthours) .....	<b>90,862,645</b>	<b>15</b>
Full Service Provider Sales (megawatthours) .....	90,862,645	13
Direct Use (megawatthours) .....	<b>5,007,573</b>	<b>5</b>
Average Retail Price (cents/kWh).....	<b>8.89</b>	<b>25</b>

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, 2010**

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
<b>Alabama</b>			
1. Browns Ferry .....	Nuclear	Tennessee Valley Authority	3,309
2. James H Miller Jr.....	Coal	Alabama Power Co	2,675
3. Barry .....	Coal	Alabama Power Co	2,575
4. E C Gaston.....	Coal	Alabama Power Co	1,878
5. H Allen Franklin Combined Cycle.....	Gas	Southern Power Co	1,815
6. Joseph M Farley.....	Nuclear	Alabama Power Co	1,734
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	1,269
10. Gorgas.....	Coal	Alabama Power Co	1,241

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, 2010**  
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
1. Alabama Power Co.....	Investor-Owned	55,973,891	20,417,032	14,999,022	20,557,837	-
2. Tennessee Valley Authority .....	Federal	5,700,460	-	-	5,700,460	-
3. Huntsville City of .....	Public	5,548,651	2,712,976	1,742,137	1,093,538	-
4. Joe Wheeler Elec Member Corp.....	Cooperative	1,567,029	663,987	273,698	629,344	-
5. Baldwin County El Member Corp.....	Cooperative	1,325,601	880,225	445,376	-	-
Total Sales, Top Five Providers .....		70,115,632	24,674,220	17,460,233	27,981,179	-
Percent of Total State Sales .....		77	69	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, 2000 and 2004 Through 2010**  
(Megawatts)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Electric Utilities.....</b>	<b>22,366</b>	<b>23,186</b>	<b>23,252</b>	<b>23,218</b>	<b>23,182</b>	<b>23,144</b>	<b>23,285</b>	<b>23,642</b>	<b>95.0</b>	<b>72.9</b>
Coal.....	11,301	11,238	11,500	11,465	11,452	11,414	11,401	11,356	48.0	35.0
Petroleum.....	34	34	34	34	34	34	34	34	0.1	0.1
Natural Gas .....	3,041	3,627	3,471	3,440	3,440	3,440	3,593	3,937	12.9	12.1
Nuclear.....	4,976	5,008	5,008	5,008	4,985	4,985	4,985	5,043	21.1	15.6
Hydroelectric.....	3,014	3,280	3,240	3,271	3,272	3,272	3,272	3,272	12.8	10.1
<b>Independent Power Producers and Combined Heat and Power .....</b>	<b>1,173</b>	<b>7,461</b>	<b>7,442</b>	<b>7,446</b>	<b>7,432</b>	<b>8,078</b>	<b>8,104</b>	<b>8,775</b>	<b>5.0</b>	<b>27.1</b>
Coal.....	108	132	92	92	92	92	85	85	0.5	0.3
Petroleum.....	4	9	9	9	9	9	9	9	*	*
Natural Gas .....	523	6,681	6,688	6,664	6,657	7,284	7,319	7,999	2.2	24.7
Other Gases <sup>1</sup> .....	80	84	100	100	100	100	100	100	0.3	0.3
Other Renewables <sup>2</sup> .....	457	555	553	581	574	593	591	583	1.9	1.8
<b>Total Electric Industry.....</b>	<b>23,539</b>	<b>30,647</b>	<b>30,694</b>	<b>30,664</b>	<b>30,614</b>	<b>31,222</b>	<b>31,389</b>	<b>32,417</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	11,409	11,370	11,592	11,557	11,544	11,506	11,486	11,441	48.5	35.3
Petroleum.....	38	43	43	43	43	43	43	43	0.2	0.1
Natural Gas .....	3,564	10,308	10,159	10,104	10,098	10,724	10,912	11,936	15.1	36.8
Other Gases <sup>1</sup> .....	80	84	100	100	100	100	100	100	0.3	0.3
Nuclear.....	4,976	5,008	5,008	5,008	4,985	4,985	4,985	5,043	21.1	15.6
Hydroelectric .....	3,014	3,280	3,240	3,271	3,272	3,272	3,272	3,272	12.8	10.1
Other Renewables <sup>2</sup> .....	457	555	553	581	574	593	591	583	1.9	1.8

<sup>1</sup> Other gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

<sup>2</sup> Other Renewables includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

\* = 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, 2000 and 2004 Through 2010**  
(Megawatthours)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Alabama</b>										
<b>Electric Utilities.....</b>	<b>118,037,076</b>	<b>124,554,606</b>	<b>126,303,893</b>	<b>124,365,180</b>	<b>124,273,167</b>	<b>128,054,895</b>	<b>118,781,555</b>	<b>122,766,490</b>	<b>94.9</b>	<b>80.7</b>
Coal.....	76,930,683	74,475,725	77,742,466	77,664,239	77,575,448	74,280,210	55,083,056	62,502,076	61.8	41.1
Petroleum.....	240,527	111,271	97,269	87,885	73,570	98,804	76,452	98,436	0.2	0.1
Natural Gas.....	3,679,672	7,705,600	6,625,354	7,450,174	8,162,908	8,543,211	11,368,420	13,519,713	3.0	8.9
Nuclear.....	31,368,563	31,635,789	31,694,223	31,911,096	34,325,127	38,992,641	39,716,204	37,940,821	25.2	24.9
Hydroelectric.....	5,817,631	10,626,221	10,144,581	7,251,786	4,136,114	6,136,148	12,535,373	8,704,254	4.7	5.7
Other Renewables <sup>1</sup> .....	-	-	-	-	-	3,882	2,050	1,190	-	*
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>6,368,264</b>	<b>12,800,165</b>	<b>11,644,688</b>	<b>16,530,261</b>	<b>19,553,104</b>	<b>17,815,000</b>	<b>24,474,001</b>	<b>29,384,022</b>	<b>5.1</b>	<b>19.3</b>
Coal.....	587,031	355,899	385,991	444,429	418,312	324,438	525,667	548,335	0.5	0.4
Petroleum.....	125,628	183,754	235,841	92,281	83,352	105,461	142,821	101,418	0.1	0.1
Natural Gas.....	1,348,539	8,271,419	7,244,097	11,957,048	15,068,868	13,819,708	20,248,663	25,715,304	1.1	16.9
Other Gases <sup>2</sup> .....	230,143	181,942	106,864	131,109	178,368	203,739	134,728	276,725	0.2	0.2
Other Renewables <sup>1</sup> .....	4,076,165	3,779,233	3,646,802	3,884,462	3,800,620	3,353,432	3,047,807	2,375,796	3.3	1.6
Other <sup>3</sup> .....	758	27,917	25,093	20,933	3,583	8,222	374,314	366,444	*	0.2
<b>Total Electric Industry.....</b>	<b>124,405,340</b>	<b>137,354,771</b>	<b>137,948,581</b>	<b>140,895,441</b>	<b>143,826,271</b>	<b>145,869,895</b>	<b>143,255,556</b>	<b>152,150,512</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	77,517,714	74,831,624	78,128,457	78,108,668	77,993,760	74,604,648	55,608,724	63,050,411	62.3	41.4
Petroleum.....	366,155	295,025	333,110	180,166	156,922	204,265	219,274	199,854	0.3	0.1
Natural Gas.....	5,028,211	15,977,019	13,869,451	19,407,222	23,231,776	22,362,919	31,617,083	39,235,017	4.0	25.8
Other Gases <sup>2</sup> .....	230,143	181,942	106,864	131,109	178,368	203,739	134,728	276,725	0.2	0.2
Nuclear.....	31,368,563	31,635,789	31,694,223	31,911,096	34,325,127	38,992,641	39,716,204	37,940,821	25.2	24.9
Hydroelectric.....	5,817,631	10,626,221	10,144,581	7,251,786	4,136,114	6,136,148	12,535,373	8,704,254	4.7	5.7
Other Renewables <sup>1</sup> .....	4,076,165	3,779,233	3,646,802	3,884,462	3,800,620	3,357,313	3,049,857	2,376,986	3.3	1.6
Other <sup>3</sup> .....	758	27,917	25,093	20,933	3,583	8,222	374,314	366,444	*	0.2

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>2</sup> Other gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

<sup>3</sup> Other includes non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

\* = 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.

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

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, 2000 and 2004 Through 2010**

Fuel, Quality	2000	2004	2005	2006	2007	2008	2009	2010
<b>Alabama</b>								
Coal (cents per million Btu) .....	141	W	W	211	W	271	W	282
Average heat value (Btu per pound).....	10,951	10,878	10,950	10,879	10,644	10,659	10,507	10,633
Average sulfur Content (percent) .....	0.91	0.84	0.97	0.94	0.88	0.89	0.92	0.99
Petroleum (cents per million Btu) <sup>1</sup> .....	652	W	W	W	W	1,672	W	1,589
Average heat value (Btu per gallon).....	137,395	142,757	141,012	140,469	143,452	140,050	137,243	137,733
Average sulfur Content (percent) .....	0.12	0.13	0.10	0.14	0.87	0.37	0.16	0.17
Natural Gas (cents per million Btu).....	437	606	925	709	700	973	425	476
Average heat value (Btu per cubic foot).....	1,034	1,035	1,041	1,036	1,031	1,028	1,025	1,020

<sup>1</sup> 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, 2000 and 2004 Through 2010 (Thousand Metric Tons)**

Emission Type	2000	2004	2005	2006	2007	2008	2009	2010
<b>Alabama</b>								
<b>Sulfur Dioxide</b> .....								
Coal.....	483	385	428	430	423	335	262	194
Petroleum.....	2	1	1	1	1	1	1	1
Natural Gas .....	*	*	*	*	*	*	*	*
Other Gases.....	*	*	*	*	*	*	*	*
Other Renewables <sup>1</sup> .....	32	23	26	26	25	29	22	23
Other <sup>2</sup> .....	*	*	*	*	*	*	*	*
Total .....	518	409	456	458	449	364	285	218
<b>Nitrogen Oxide</b> .....								
Coal.....	164	120	118	110	108	98	41	53
Petroleum.....	1	*	1	*	*	*	*	1
Natural Gas .....	13	9	6	5	6	7	7	7
Other Gases.....	*	1	1	1	*	*	*	1
Other Renewables <sup>1</sup> .....	14	6	6	6	6	5	4	5
Other <sup>2</sup> .....	*	*	-	-	-	-	*	*
Total .....	194	136	131	122	121	111	53	66
<b>Carbon Dioxide</b> .....								
Coal.....	76,058	72,175	76,630	76,742	77,363	73,028	55,268	62,542
Petroleum.....	602	1,229	1,390	398	343	258	594	496
Natural Gas .....	4,744	7,884	6,800	8,990	10,682	9,827	13,354	16,329
Other Gases.....	73	-	-	-	-	-	-	-
Other <sup>2</sup> .....	38	40	32	24	10	22	22	8
Total .....	81,515	81,328	84,852	86,153	88,397	83,134	69,239	79,375

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, and other biomass.

<sup>2</sup> Other includes non-biogenic municipal solid waste, tire-derived fuels, and miscellaneous technologies.

\* = 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.

Note: CO2 emissions for the historical years 1998 - 2008 have been revised due to changes in emission factors.

Sources: Calculations made by the Electric Power Systems and Reliability Team; Office of Electricity, Renewables, and Uranium Statistics; U. S. Energy Information Administration.

**Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 2000 and 2004 Through 2010**

Sector	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Alabama</b>										
<b>Retail Sales (thousand megawatthours) .....</b>										
Residential .....	28,756	30,109	31,315	32,277	32,783	32,185	31,489	35,529	34.4	39.1
Commercial .....	19,057	21,166	21,608	22,120	22,873	22,533	21,918	22,984	22.8	25.3
Industrial .....	35,034	35,595	36,279	36,281	36,172	34,990	29,437	32,350	41.9	35.6
Other .....	677	NA	NA	NA	NA	NA	NA	NA	0.8	--
All Sectors .....	83,524	86,871	89,202	90,678	91,828	89,707	82,845	90,863	100.0	100.0
<b>Retail Revenue (million dollars) .....</b>										
Residential .....	2,028	2,295	2,504	2,825	3,057	3,348	3,356	3,791	43.3	46.9
Commercial .....	1,254	1,506	1,620	1,809	1,991	2,223	2,204	2,339	26.8	29.0
Industrial .....	1,357	1,477	1,641	1,778	1,906	2,138	1,755	1,945	29.0	24.1
Other .....	48	NA	NA	NA	NA	NA	NA	NA	1.0	--
All Sectors .....	4,687	5,278	5,765	6,411	6,954	7,709	7,315	8,075	100.0	100.0
<b>Average Retail Prices (cents/kWh) .....</b>										
Residential .....	7.05	7.62	8.00	8.75	9.32	10.40	10.66	10.67	--	--
Commercial .....	6.58	7.12	7.50	8.18	8.70	9.87	10.05	10.18	--	--
Industrial .....	3.87	4.15	4.52	4.90	5.27	6.11	5.96	6.01	--	--
Other .....	7.12	NA	NA	NA	NA	NA	NA	NA	--	--
All Sectors .....	5.61	6.08	6.46	7.07	7.57	8.59	8.83	8.89	--	--

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, 2010**

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
<b>Alabama</b>								
Number of Entities .....	1	36	1	24	NA	NA	NA	62
Number of Retail Customers .....	1,436,229	523,894	22	541,977	NA	NA	NA	2,502,122
Retail Sales (thousand megawatthours) .....	55,974	17,463	5,700	11,725	NA	NA	NA	90,863
Percentage of Retail Sales .....	61.60	19.22	6.27	12.90	--	--	--	100.00
Revenue from Retail Sales (million dollars) .....	5,076	1,485	278	1,236	NA	NA	NA	8,075
Percentage of Revenue .....	62.86	18.39	3.44	15.31	--	--	--	100.00
Average Retail Price (cents/kWh) .....	9.07	8.51	4.87	10.54	NA	NA	NA	8.89

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Data are shown for All Sectors. Full Service Providers sell bundled electricity services (e.g., both energy and delivery) to end users. Full Service Providers may purchase electricity from others (such as independent Power Producers or other full service providers) prior to delivery. Other Providers sell either the energy or the delivery services, but not both. Sales volumes and customer counts shown for Other Providers refer to delivered electricity, which is a joint activity of both energy and delivery providers; for clarity, they are reported only in the Energy column in this table. The revenue shown under Other Providers represents the revenue realized from the sale of the energy and the delivery services distinctly. "Public" entities include municipalities, State power agencies, and municipal marketing authorities. Federal entities are either owned or financed by the Federal Government. "Cooperatives" are electric utilities legally established to be owned by and operated for the benefit of those using its services. The cooperative will generate, transmit and/or distribute supplies of electric energy to a specified area not being serviced by another utility. "Non-utility" sales represent direct electricity transactions from independent generators to end use consumers. Totals may not equal sum of components because of independent rounding.

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



**Table 10. Supply and Disposition of Electricity, 2000 and 2004 Through 2010**  
(Million Kilowatthours)

Category	2000	2004	2005	2006	2007	2008	2009	2010
<b>Alabama</b>								
<b>Supply</b> .....								
<b>Generation</b> .....								
Electric Utilities .....	118,037	124,555	126,304	124,365	124,273	128,055	118,782	122,766
Independent Power Producers .....	42	6,127	4,821	7,103	9,202	10,683	15,302	20,923
Combined Heat and Power, Electric .....	550	1,446	2,174	4,683	5,705	2,569	4,606	4,243
<b>Electric Power Sector Generation Subtotal</b> .....	<b>118,629</b>	<b>132,127</b>	<b>133,299</b>	<b>136,152</b>	<b>139,180</b>	<b>141,307</b>	<b>138,690</b>	<b>147,933</b>
Combined Heat and Power, Industrial.....	5,776	5,227	4,650	4,744	4,646	4,562	4,566	4,218
<b>Industrial and Commercial Generation Subtotal</b> .....	<b>5,776</b>	<b>5,227</b>	<b>4,650</b>	<b>4,744</b>	<b>4,646</b>	<b>4,562</b>	<b>4,566</b>	<b>4,218</b>
<b>Total Net Generation</b> .....	<b>124,405</b>	<b>137,355</b>	<b>137,949</b>	<b>140,895</b>	<b>143,826</b>	<b>145,870</b>	<b>143,256</b>	<b>152,151</b>
<b>Total Supply</b> .....	<b>124,405</b>	<b>137,355</b>	<b>137,949</b>	<b>140,895</b>	<b>143,826</b>	<b>145,870</b>	<b>143,256</b>	<b>152,151</b>
<b>Disposition</b> .....								
<b>Retail Sales</b> .....								
Full Service Providers .....	83,524	86,871	89,202	90,678	91,828	89,282	82,427	90,863
Facility Direct Retail Sales <sup>1</sup> .....	-	-	-	-	-	426	417	-
<b>Total Electric Industry Retail Sales</b> .....	<b>83,524</b>	<b>86,871</b>	<b>89,202</b>	<b>90,678</b>	<b>91,828</b>	<b>89,707</b>	<b>82,845</b>	<b>90,863</b>
<b>Direct Use</b> .....	<b>6,277</b>	<b>6,488</b>	<b>3,540</b>	<b>6,210</b>	<b>4,620</b>	<b>4,726</b>	<b>4,828</b>	<b>5,008</b>
<b>Estimated Losses</b> .....	<b>5,945</b>	<b>5,750</b>	<b>5,788<sup>R</sup></b>	<b>6,152</b>	<b>7,924</b>	<b>6,861</b>	<b>5,754</b>	<b>6,826</b>
<b>Net Interstate Trade</b> <sup>2</sup> .....	<b>28,659</b>	<b>38,247<sup>R</sup></b>	<b>39,418</b>	<b>37,856</b>	<b>39,454</b>	<b>44,575</b>	<b>49,829</b>	<b>49,454</b>
<b>Total Disposition</b> .....	<b>124,405</b>	<b>137,355</b>	<b>137,949</b>	<b>140,895</b>	<b>143,826</b>	<b>145,870</b>	<b>143,256</b>	<b>152,151</b>
<b>Net Trade Index (ratio)</b> <sup>3</sup> .....	<b>1.30</b>	<b>1.39</b>	<b>1.40</b>	<b>1.37</b>	<b>1.38</b>	<b>1.44</b>	<b>1.53</b>	<b>1.48</b>

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

<sup>2</sup> Net Interstate Trade = Total Supply - (Total Electric Industry Retail Sales + Direct Use + Total International Exports (if applies) + Estimated Losses).

<sup>3</sup> Net Trade Index is the sum of Total Supply / (Total Disposition - Net Interstate Trade).

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. Beginning with publication year 2010, Total disposition has been reorganized to include Net Interstate Trade. Therefore, Total Disposition equals Total Supply.

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. 2010 Summary Statistics**

Item	Value	U.S. Rank
<b>Alaska</b>		
NERC Region(s).....		--
Primary Energy Source.....		Gas
Net Summer Capacity (megawatts) .....	<b>2,067</b>	<b>48</b>
Electric Utilities.....	1,889	39
Independent Power Producers & Combined Heat and Power.....	178	51
Net Generation (megawatthours).....	<b>6,759,576</b>	<b>48</b>
Electric Utilities.....	6,205,050	40
Independent Power Producers & Combined Heat and Power.....	554,526	49
Emissions (thousand metric tons) .....		
Sulfur Dioxide .....	3	46
Nitrogen Oxide.....	16	39
Carbon Dioxide.....	4,125	46
Sulfur Dioxide (lbs/MWh) .....	1.0	41
Nitrogen Oxide (lbs/MWh) .....	5.2	1
Carbon Dioxide (lbs/MWh).....	1,345	23
Total Retail Sales (megawatthours) .....	<b>6,247,038</b>	<b>50</b>
Full Service Provider Sales (megawatthours) .....	6,247,038	47
Direct Use (megawatthours) .....	<b>342,426</b>	<b>37</b>
Average Retail Price (cents/kWh).....	<b>14.76</b>	<b>5</b>

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, 2010**

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
<b>Alaska</b>			
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	144
4. Bradley Lake.....	Hydroelectric	Homer Electric Assn Inc	126
5. Anchorage 1.....	Gas	Anchorage Municipal Light and Power	88
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, 2010**  
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
1. Golden Valley Elec Assn Inc .....	Cooperative	1,288,167	304,785	140,257	843,125	-
2. Chugach Electric Assn Inc .....	Cooperative	1,169,430	545,123	578,892	45,415	-
3. Anchorage Municipal Light and Power .....	Public	1,108,780	143,473	965,307	-	-
4. Matanuska Electric Assn Inc .....	Cooperative	691,199	435,159	256,040	-	-
5. Homer Electric Assn Inc .....	Cooperative	469,918	174,990	178,271	116,657	-
Total Sales, Top Five Providers .....		4,727,494	1,603,530	2,118,767	1,005,197	-
Percent of Total State Sales .....		76	77	75	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, 2000 and 2004 Through 2010**  
(Megawatts)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Alaska</b>										
<b>Electric Utilities.....</b>	<b>1,794</b>	<b>1,722</b>	<b>1,769</b>	<b>1,736</b>	<b>1,820</b>	<b>1,847</b>	<b>1,868</b>	<b>1,889</b>	<b>85.1</b>	<b>91.4</b>
Coal.....	25	25	52	25	25	25	25	25	1.2	1.2
Petroleum.....	610	517	526	527	581	601	604	618	28.9	29.9
Natural Gas.....	762	785	785	785	814	818	818	825	36.2	39.9
Hydroelectric.....	396	395	397	397	397	400	414	414	18.8	20.1
Other Renewables <sup>1</sup> .....	*	1	10	3	3	3	7	7	*	0.4
<b>Independent Power Producers and Combined Heat and Power .....</b>	<b>315</b>	<b>129</b>	<b>121</b>	<b>148</b>	<b>142</b>	<b>148</b>	<b>144</b>	<b>178</b>	<b>14.9</b>	<b>8.6</b>
Coal.....	83	60	53	80	80	87	86	86	3.9	4.1
Petroleum.....	58	48	48	48	41	41	40	45	2.8	2.2
Natural Gas.....	173	20	20	20	20	20	19	20	8.2	1.0
Other <sup>2</sup> .....	-	-	-	-	-	-	-	27	-	1.3
<b>Total Electric Industry.....</b>	<b>2,108</b>	<b>1,851</b>	<b>1,890</b>	<b>1,884</b>	<b>1,961</b>	<b>1,995</b>	<b>2,012</b>	<b>2,067</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	108	85	105	105	105	112	111	111	5.1	5.3
Petroleum.....	669	565	574	575	622	643	644	663	31.7	32.1
Natural Gas.....	936	805	805	805	834	838	836	845	44.4	40.9
Hydroelectric.....	396	395	397	397	397	400	414	414	18.8	20.1
Other Renewables <sup>1</sup> .....	*	1	10	3	3	3	7	7	*	0.4
Other <sup>2</sup> .....	-	-	-	-	-	-	-	27	-	1.3

<sup>1</sup> Other Renewables includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>2</sup> Other includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

\* = 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, 2000 and 2004 Through 2010**  
(Megawatthours)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Alaska</b>										
<b>Electric Utilities.....</b>	<b>4,937,687</b>	<b>5,866,420</b>	<b>5,946,148</b>	<b>6,068,520</b>	<b>6,146,078</b>	<b>6,262,148</b>	<b>6,166,762</b>	<b>6,205,050</b>	<b>80.2</b>	<b>91.8</b>
Coal.....	184,901	211,075	219,320	209,952	213,648	220,360	212,944	189,477	3.0	2.8
Petroleum.....	557,013	681,848	685,559	694,252	852,882	927,681	1,104,493	885,016	9.0	13.1
Natural Gas.....	3,193,954	3,475,477	3,576,738	3,939,921	3,788,325	3,942,237	3,518,554	3,684,809	51.9	54.5
Hydroelectric.....	1,001,819	1,498,020	1,463,942	1,223,607	1,291,223	1,171,801	1,323,744	1,433,141	16.3	21.2
Other Renewables <sup>1</sup> .....	-	-	589	788	-	68	7,027	12,607	-	0.2
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>1,218,838</b>	<b>660,297</b>	<b>630,511</b>	<b>605,677</b>	<b>675,313</b>	<b>512,687</b>	<b>535,398</b>	<b>554,526</b>	<b>19.8</b>	<b>8.2</b>
Coal.....	353,772	437,905	404,998	407,467	427,762	397,537	417,648	430,967	5.7	6.4
Petroleum.....	83,188	65,220	73,370	73,736	157,108	50,233	52,389	52,040	1.4	0.8
Natural Gas.....	781,878	147,956	146,888	117,809	79,214	60,235	58,849	65,215	12.7	1.0
Other Renewables <sup>1</sup> .....	-	9,217	5,256	6,665	11,230	4,682	6,511	6,304	-	0.1
<b>Total Electric Industry.....</b>	<b>6,156,525</b>	<b>6,526,717</b>	<b>6,576,659</b>	<b>6,674,197</b>	<b>6,821,392</b>	<b>6,774,834</b>	<b>6,702,159</b>	<b>6,759,576</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	538,673	648,980	624,318	617,419	641,409	617,897	630,592	620,443	8.7	9.2
Petroleum.....	640,201	747,068	758,929	767,988	1,009,990	977,915	1,156,882	937,056	10.4	13.9
Natural Gas.....	3,975,832	3,623,433	3,723,626	4,057,730	3,867,539	4,002,472	3,577,403	3,750,024	64.6	55.5
Hydroelectric.....	1,001,819	1,498,020	1,463,942	1,223,607	1,291,223	1,171,801	1,323,744	1,433,141	16.3	21.2
Other Renewables <sup>1</sup> .....	-	9,217	5,845	7,453	11,230	4,750	13,538	18,911	-	0.3

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

- (dash) = Data not available.

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

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, 2000 and 2004 Through 2010**

Fuel, Quality	2000	2004	2005	2006	2007	2008	2009	2010
<b>Alaska</b>								
Coal (cents per million Btu) .....	-	-	-	-	-	W	W	148
Average heat value (Btu per pound).....	-	-	-	-	-	8,698	8,520	8,278
Average sulfur Content (percent) .....	-	-	-	-	-	0.33	0.50	0.71
Petroleum (cents per million Btu) <sup>1</sup> .....	-	-	1,026	1,542	-	W	W	1,720
Average heat value (Btu per gallon).....	-	-	138,800	138,993	-	128,050	130,881	128,238
Average sulfur Content (percent) .....	-	-	0.19	0.25	-	0.19	0.29	0.22
Natural Gas (cents per million Btu).....	177	279	342	365	358	W	W	433
Average heat value (Btu per cubic foot).....	1,000	1,000	1,000	1,000	1,000	1,007	1,007	1,009

<sup>1</sup> 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, 2000 and 2004 Through 2010 (Thousand Metric Tons)**

Emission Type	2000	2004	2005	2006	2007	2008	2009	2010
<b>Alaska</b>								
<b>Sulfur Dioxide .....</b>								
Coal.....	11	2	2	2	2	2	2	2
Petroleum.....	3	2	2	2	2	1	1	1
Natural Gas .....	*	*	*	*	*	*	*	*
Other Renewables <sup>1</sup> .....	-	-	-	-	*	*	*	*
Total .....	14	4	4	4	4	4	4	3
<b>Nitrogen Oxide .....</b>								
Coal.....	3	2	3	3	3	3	3	3
Petroleum.....	6	7	7	8	8	5	8	7
Natural Gas .....	10	15	7	7	6	6	6	6
Other Renewables <sup>1</sup> .....	-	*	*	*	*	*	*	*
Total .....	18	25	17	18	17	15	17	16
<b>Carbon Dioxide .....</b>								
Coal.....	1,478	1,318	1,291	1,299	1,312	1,351	1,334	1,292
Petroleum.....	593	656	643	655	777	671	829	664
Natural Gas .....	2,487	2,803	2,430	2,673	2,254	2,354	2,078	2,169
Total .....	4,558	4,777	4,364	4,627	4,343	4,376	4,240	4,125

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, and other biomass.

\* = 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.

Note: CO2 emissions for the historical years 1998 - 2008 have been revised due to changes in emission factors.

Sources: Calculations made by the Electric Power Systems and Reliability Team; Office of Electricity, Renewables, and Uranium Statistics; U. S. Energy Information Administration.

**Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 2000 and 2004 Through 2010**

Sector	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Alaska</b>										
<b>Retail Sales (thousand megawatthours) .....</b>										
Residential .....	1,855	2,062	2,062	2,120	2,114	2,129	2,117	2,093	34.9	33.5
Commercial .....	2,236	2,601	2,695	2,819	2,828	2,851	2,841	2,830	42.1	45.3
Industrial .....	1,037	1,126	1,156	1,243	1,384	1,344	1,311	1,324	19.5	21.2
Other .....	182	NA	NA	NA	NA	NA	NA	NA	3.4	--
All Sectors .....	5,310	5,788	5,913	6,182	6,327	6,325	6,270	6,247	100.0	100.0
<b>Retail Revenue (million dollars) .....</b>										
Residential .....	212	256	274	314	321	352	363	340	39.7	36.9
Commercial .....	219	286	311	336	345	389	411	395	40.8	42.8
Industrial .....	78	94	107	143	175	191	172	187	14.7	20.3
Other .....	26	NA	NA	NA	NA	NA	NA	NA	4.8	--
All Sectors .....	535	636	693	794	840	932	946	922	100.0	100.0
<b>Average Retail Prices (cents/kWh) .....</b>										
Residential .....	11.45	12.44	13.30	14.83	15.18	16.55	17.14	16.26	--	--
Commercial .....	9.77	10.99	11.56	11.93	12.19	13.64	14.46	13.95	--	--
Industrial .....	7.56	8.33	9.29	11.54	12.63	14.17	13.15	14.14	--	--
Other .....	14.17	NA	NA	NA	NA	NA	NA	NA	--	--
All Sectors .....	10.08	10.99	11.72	12.84	13.28	14.73	15.09	14.76	--	--

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, 2010**

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
<b>Alaska</b>								
Number of Entities .....	18	35	NA	18	NA	NA	NA	71
Number of Retail Customers .....	28,274	58,959	NA	233,917	NA	NA	NA	321,150
Retail Sales (thousand megawatthours) .....	547	1,654	NA	4,047	NA	NA	NA	6,247
Percentage of Retail Sales .....	8.75	26.47	--	64.78	--	--	--	100.00
Revenue from Retail Sales (million dollars) .....	85	208	NA	628	NA	NA	NA	922
Percentage of Revenue .....	9.26	22.60	--	68.14	--	--	--	100.00
Average Retail Price (cents/kWh) .....	15.62	12.61	NA	15.53	NA	NA	NA	14.76

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Data are shown for All Sectors. Full Service Providers sell bundled electricity services (e.g., both energy and delivery) to end users. Full Service Providers may purchase electricity from others (such as independent Power Producers or other full service providers) prior to delivery. Other Providers sell either the energy or the delivery services, but not both. Sales volumes and customer counts shown for Other Providers refer to delivered electricity, which is a joint activity of both energy and delivery providers; for clarity, they are reported only in the Energy column in this table. The revenue shown under Other Providers represents the revenue realized from the sale of the energy and the delivery services distinctly. "Public" entities include municipalities, State power agencies, and municipal marketing authorities. Federal entities are either owned or financed by the Federal Government. "Cooperatives" are electric utilities legally established to be owned by and operated for the benefit of those using its services. The cooperative will generate, transmit and/or distribute supplies of electric energy to a specified area not being serviced by another utility. "Non-utility" sales represent direct electricity transactions from independent generators to end use consumers. Totals may not equal sum of components because of independent rounding.

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

**Table 10. Supply and Disposition of Electricity, 2000 and 2004 Through 2010**  
(Million Kilowatthours)

Category	2000	2004	2005	2006	2007	2008	2009	2010
<b>Alaska</b>								
<b>Supply</b> .....								
<b>Generation</b> .....								
Electric Utilities .....	4,938	5,866	5,946	6,069	6,146	6,262	6,167	6,205
Independent Power Producers .....	-	-	-	-	80	-	-	-
Combined Heat and Power, Electric .....	224	182	174	187	210	177	209	204
<b>Electric Power Sector Generation Subtotal</b> .....	<b>5,162</b>	<b>6,049</b>	<b>6,120</b>	<b>6,256</b>	<b>6,436</b>	<b>6,439</b>	<b>6,376</b>	<b>6,409</b>
Combined Heat and Power, Commercial .....	147	269	245	231	238	225	217	234
Combined Heat and Power, Industrial.....	848	209	211	188	147	110	109	116
<b>Industrial and Commercial Generation Subtotal</b> .....	<b>995</b>	<b>478</b>	<b>457</b>	<b>418</b>	<b>385</b>	<b>336</b>	<b>326</b>	<b>350</b>
<b>Total Net Generation</b> .....	<b>6,157</b>	<b>6,527</b>	<b>6,577</b>	<b>6,674</b>	<b>6,821</b>	<b>6,775</b>	<b>6,702</b>	<b>6,760</b>
<b>Total International Imports</b> .....	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Total Supply</b> .....	<b>6,158</b>	<b>6,528</b>	<b>6,578</b>	<b>6,675</b>	<b>6,823</b>	<b>6,776</b>	<b>6,703</b>	<b>6,761</b>
<b>Disposition</b> .....								
<b>Retail Sales</b> .....								
Full Service Providers .....	5,310	5,788	5,913	6,182	6,327	6,325	6,270	6,247
<b>Total Electric Industry Retail Sales</b> .....	<b>5,310</b>	<b>5,788</b>	<b>5,913</b>	<b>6,182</b>	<b>6,327</b>	<b>6,325</b>	<b>6,270</b>	<b>6,247</b>
<b>Direct Use</b> .....	<b>1,070</b>	<b>1,079</b>	<b>330</b>	<b>289</b>	<b>267</b>	<b>328</b>	<b>337</b>	<b>342</b>
<b>Estimated Losses</b> .....	<b>378</b>	<b>361</b>	<b>483</b>	<b>504</b>	<b>511</b>	<b>522</b>	<b>433</b>	<b>485</b>
<b>Net Interstate Trade</b> <sup>1</sup> .....	<b>-600</b>	<b>-700</b>	<b>-147</b>	<b>-300</b>	<b>-282</b>	<b>-399</b>	<b>-337</b>	<b>-314</b>
<b>Total Disposition</b> .....	<b>6,158</b>	<b>6,528</b>	<b>6,578</b>	<b>6,675</b>	<b>6,823</b>	<b>6,776</b>	<b>6,703</b>	<b>6,761</b>
<b>Net Trade Index (ratio)</b> <sup>2</sup> .....	<b>0.91</b>	<b>0.90</b>	<b>0.98</b>	<b>0.96</b>	<b>0.96</b>	<b>0.94</b>	<b>0.95</b>	<b>0.96</b>

<sup>1</sup> Net Interstate Trade = Total Supply - (Total Electric Industry Retail Sales + Direct Use + Total International Exports (if applies) + Estimated Losses).

<sup>2</sup> Net Trade Index is the sum of Total Supply / (Total Disposition - Net Interstate Trade).

- (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. Beginning with publication year 2010, Total disposition has been reorganized to include Net Interstate Trade. Therefore, Total Disposition equals Total Supply.

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. 2010 Summary Statistics**

Item	Value	U.S. Rank
<b>Arizona</b>		
NERC Region(s).....		WECC
Primary Energy Source.....		Coal
Net Summer Capacity (megawatts) .....	<b>26,392</b>	<b>15</b>
Electric Utilities.....	20,115	14
Independent Power Producers & Combined Heat and Power.....	6,277	16
Net Generation (megawatthours).....	<b>111,750,957</b>	<b>12</b>
Electric Utilities.....	91,232,664	11
Independent Power Producers & Combined Heat and Power.....	20,518,293	17
Emissions (thousand metric tons) .....		
Sulfur Dioxide .....	33	33
Nitrogen Oxide.....	57	17
Carbon Dioxide.....	55,683	15
Sulfur Dioxide (lbs/MWh) .....	0.7	43
Nitrogen Oxide (lbs/MWh) .....	1.1	31
Carbon Dioxide (lbs/MWh).....	1,099	35
Total Retail Sales (megawatthours) .....	<b>72,831,737</b>	<b>21</b>
Full Service Provider Sales (megawatthours) .....	72,831,737	20
Direct Use (megawatthours) .....	<b>408,959</b>	<b>36</b>
Average Retail Price (cents/kWh).....	<b>9.69</b>	<b>20</b>

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, 2010**

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
<b>Arizona</b>			
1. Palo Verde .....	Nuclear	Arizona Public Service Co	3,937
2. Navajo.....	Coal	Salt River Project	2,250
3. Gila River Power Station.....	Gas	Gila River Power Station LP	2,060
4. Springerville .....	Coal	Tucson Electric Power Co	1,618
5. Glen Canyon Dam .....	Hydroelectric	U S Bureau of Reclamation	1,312
6. Santan .....	Gas	Salt River Project	1,227
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	1,027

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, 2010**  
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
1. Arizona Public Service Co .....	Investor-Owned	27,709,463	13,035,500	12,503,880	2,170,083	-
2. Salt River Project.....	Public	26,097,780	12,276,012	10,746,505	3,075,263	-
3. Tucson Electric Power Co.....	Investor-Owned	9,291,788	3,869,540	2,204,172	3,218,076	-
4. UNS Electric, Inc.....	Investor-Owned	1,857,159	820,352	608,259	428,548	-
5. Morenci Water and Electric Co.....	Investor-Owned	1,238,421	14,670	16,192	1,207,559	-
Total Sales, Top Five Providers .....		66,194,611	30,016,074	26,079,008	10,099,529	-
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, 2000 and 2004 Through 2010**  
(Megawatts)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Arizona</b>										
<b>Electric Utilities.....</b>	<b>15,140</b>	<b>16,141</b>	<b>18,860</b>	<b>19,566</b>	<b>19,551</b>	<b>19,717</b>	<b>20,127</b>	<b>20,115</b>	<b>98.9</b>	<b>76.2</b>
Coal.....	5,336	5,336	5,362	5,762	5,750	5,750	6,159	6,165	34.9	23.4
Petroleum.....	244	108	108	86	89	89	89	89	1.6	0.3
Natural Gas.....	2,939	3,955	6,566	6,897	6,891	6,987	6,987	6,969	19.2	26.4
Nuclear.....	3,733	3,804	3,875	3,872	3,872	3,942	3,942	3,937	24.4	14.9
Hydroelectric.....	2,705	2,710	2,720	2,720	2,720	2,720	2,720	2,720	17.7	10.3
Other Renewables <sup>1</sup> .....	1	12	13	13	13	13	13	18	*	0.1
Pumped Storage.....	182	216	216	216	216	216	216	216	1.2	0.8
<b>Independent Power Producers and Combined Heat and Power .....</b>	<b>171</b>	<b>8,162</b>	<b>6,044</b>	<b>6,041</b>	<b>6,028</b>	<b>6,144</b>	<b>6,209</b>	<b>6,277</b>	<b>1.1</b>	<b>23.8</b>
Coal.....	65	68	68	68	68	68	68	68	0.4	0.3
Petroleum.....	4	4	4	4	4	4	4	4	*	*
Natural Gas.....	102	8,091	5,969	5,967	5,954	6,044	6,044	6,043	0.7	22.9
Other Renewables <sup>1</sup> .....	-	-	3	3	3	29	93	163	-	0.6
<b>Total Electric Industry.....</b>	<b>15,311</b>	<b>24,303</b>	<b>24,904</b>	<b>25,608</b>	<b>25,579</b>	<b>25,861</b>	<b>26,335</b>	<b>26,392</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	5,401	5,404	5,430	5,830	5,818	5,818	6,227	6,233	35.3	23.6
Petroleum.....	248	112	112	90	93	93	93	93	1.6	0.4
Natural Gas.....	3,041	12,046	12,535	12,864	12,845	13,031	13,031	13,012	19.9	49.3
Nuclear.....	3,733	3,804	3,875	3,872	3,872	3,942	3,942	3,937	24.4	14.9
Hydroelectric.....	2,705	2,710	2,720	2,720	2,720	2,720	2,720	2,720	17.7	10.3
Other Renewables <sup>1</sup> .....	1	12	16	16	16	42	106	181	*	0.7
Pumped Storage.....	182	216	216	216	216	216	216	216	1.2	0.8

<sup>1</sup> Other Renewables includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

\* = 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, 2000 and 2004 Through 2010**  
(Megawatthours)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Arizona</b>										
<b>Electric Utilities.....</b>	<b>88,149,792</b>	<b>81,351,521</b>	<b>82,914,964</b>	<b>84,355,976</b>	<b>88,825,573</b>	<b>94,452,931</b>	<b>89,640,192</b>	<b>91,232,664</b>	<b>99.1</b>	<b>81.6</b>
Coal.....	40,662,627	39,419,177	39,750,729	40,056,468	40,911,234	43,505,012	39,464,060	43,347,748	45.7	38.8
Petroleum.....	189,396	39,414	41,127	71,761	46,137	48,324	61,381	63,439	0.2	0.1
Natural Gas.....	8,274,026	6,812,355	10,739,962	13,232,997	14,325,573	14,234,893	12,823,631	9,753,402	9.3	8.7
Nuclear.....	30,380,571	28,112,609	25,807,446	24,012,231	26,782,391	29,250,496	30,661,851	31,199,935	34.2	27.9
Hydroelectric.....	8,354,216	6,973,147	6,410,064	6,792,904	6,597,671	7,285,902	6,427,345	6,622,160	9.4	5.9
Other Renewables <sup>1</sup> .....	-	48,259	58,271	41,063	37,156	33,774	32,444	36,950	-	*
Pumped Storage.....	288,956	-53,440	107,365	148,552	125,411	94,530	169,480	209,030	0.3	0.2
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>796,785</b>	<b>23,212,622</b>	<b>18,563,690</b>	<b>20,036,552</b>	<b>24,515,397</b>	<b>25,006,241</b>	<b>22,331,058</b>	<b>20,518,293</b>	<b>0.9</b>	<b>18.4</b>
Coal.....	330,502	391,379	392,805	386,387	364,128	335,248	242,757	296,059	0.4	0.3
Petroleum.....	927	1,102	2,110	1,610	3,139	3,574	1,318	2,995	*	*
Natural Gas.....	460,773	21,452,588	18,153,051	19,636,050	24,143,648	24,587,536	21,915,538	19,922,540	0.5	17.8
Other Renewables <sup>1</sup> .....	4,583	4	15,724	12,504	4,483	79,884	169,877	281,957	*	0.3
Other <sup>2</sup> .....	-	1,367,550	-	-	-	-	1,567	14,742	-	*
<b>Total Electric Industry.....</b>	<b>88,946,577</b>	<b>104,564,143</b>	<b>101,478,654</b>	<b>104,392,528</b>	<b>113,340,970</b>	<b>119,459,172</b>	<b>111,971,250</b>	<b>111,750,957</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	40,993,129	39,810,556	40,143,534	40,442,855	41,275,362	43,840,260	39,706,817	43,643,807	46.1	39.1
Petroleum.....	190,323	40,516	43,237	73,371	49,276	51,897	62,699	66,434	0.2	0.1
Natural Gas.....	8,734,799	28,264,943	28,893,013	32,869,047	38,469,221	38,822,429	34,739,170	29,675,942	9.8	26.6
Nuclear.....	30,380,571	28,112,609	25,807,446	24,012,231	26,782,391	29,250,496	30,661,851	31,199,935	34.2	27.9
Hydroelectric.....	8,354,216	6,973,147	6,410,064	6,792,904	6,597,671	7,285,902	6,427,345	6,622,160	9.4	5.9
Other Renewables <sup>1</sup> .....	4,583	48,263	73,995	53,567	41,639	113,658	202,321	318,907	*	0.3
Pumped Storage.....	288,956	-53,440	107,365	148,552	125,411	94,530	169,480	209,030	0.3	0.2
Other <sup>2</sup> .....	-	1,367,550	-	-	-	-	1,567	14,742	-	*

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>2</sup> Other includes non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

\* = 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.

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

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, 2000 and 2004 Through 2010**

Fuel, Quality	2000	2004	2005	2006	2007	2008	2009	2010
<b>Arizona</b>								
Coal (cents per million Btu) .....	124	W	W	W	W	W	W	180
Average heat value (Btu per pound).....	10,229	10,211	10,088	10,011	9,946	9,828	9,712	9,685
Average sulfur Content (percent) .....	0.56	0.57	0.57	0.57	0.57	0.59	0.65	0.66
Petroleum (cents per million Btu) <sup>1</sup> .....	860	W	1,403	1,625	1,671	W	W	1,807
Average heat value (Btu per gallon).....	138,607	133,595	140,912	139,114	140,914	138,424	135,340	135,993
Average sulfur Content (percent) .....	0.07	0.25	0.31	0.16	0.38	0.14	0.06	0.05
Natural Gas (cents per million Btu).....	478	572	804	636	670	837	407	477
Average heat value (Btu per cubic foot).....	1,016	1,021	1,025	1,018	1,022	1,028	1,022	1,016

<sup>1</sup> 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, 2000 and 2004 Through 2010 (Thousand Metric Tons)**

Emission Type	2000	2004	2005	2006	2007	2008	2009	2010
<b>Arizona</b>								
<b>Sulfur Dioxide .....</b>								
Coal.....	68	55	48	45	51	44	33	33
Petroleum.....	*	*	*	*	*	*	*	*
Natural Gas.....	*	*	*	*	*	*	*	*
Other Renewables <sup>1</sup> .....	-	-	-	*	-	*	*	*
Total.....	68	55	48	45	51	44	33	33
<b>Nitrogen Oxide .....</b>								
Coal.....	80	73	71	71	74	70	58	54
Petroleum.....	1	*	*	*	*	*	*	*
Natural Gas.....	14	4	4	4	4	3	3	3
Other Gases.....	-	-	*	*	*	-	-	-
Other Renewables <sup>1</sup> .....	*	*	*	*	*	*	1	1
Other <sup>2</sup> .....	-	-	-	-	-	-	*	*
Total.....	94	78	75	75	79	73	62	57
<b>Carbon Dioxide .....</b>								
Coal.....	40,490	39,803	40,094	40,457	41,147	43,302	39,203	43,470
Petroleum.....	176	40	36	58	40	44	51	54
Natural Gas.....	5,206	13,057	11,874	13,496	15,269	15,545	14,270	12,160
Total.....	45,872	52,900	52,003	54,012	56,455	58,890	53,524	55,683

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, and other biomass.

<sup>2</sup> Other includes non-biogenic municipal solid waste, tire-derived fuels, and miscellaneous technologies.

\* = 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.

Note: CO2 emissions for the historical years 1998 - 2008 have been revised due to changes in emission factors.

Sources: Calculations made by the Electric Power Systems and Reliability Team; Office of Electricity, Renewables, and Uranium Statistics; U. S. Energy Information Administration.

**Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 2000 and 2004 Through 2010**

Sector	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Arizona</b>										
<b>Retail Sales (thousand megawatthours) .....</b>										
Residential .....	24,844	28,921	30,544	32,367	34,437	33,236	32,847	32,448	40.6	44.6
Commercial .....	21,411	26,106	27,468	28,626	30,475	30,162	29,386	28,943	35.0	39.7
Industrial .....	11,975	11,906	11,379	12,259	12,281	12,869	11,200	11,442	19.6	15.7
Other .....	2,900	NA	NA	NA	NA	NA	NA	NA	4.7	--
All Sectors .....	61,130	66,933	69,391	73,253	77,193	76,268	73,433	72,833	100.0	100.0
<b>Retail Revenue (million dollars) .....</b>										
Residential .....	2,096	2,447	2,707	3,042	3,328	3,412	3,524	3,558	47.3	50.4
Commercial .....	1,572	1,901	2,032	2,295	2,519	2,693	2,748	2,742	35.5	38.8
Industrial .....	631	637	665	698	743	846	745	759	14.3	10.8
Other .....	131	NA	NA	NA	NA	NA	NA	NA	3.0	--
All Sectors .....	4,431	4,985	5,404	6,034	6,590	6,951	7,017	7,059	100.0	100.0
<b>Average Retail Prices (cents/kWh) .....</b>										
Residential .....	8.44	8.46	8.86	9.40	9.66	10.27	10.73	10.97	--	--
Commercial .....	7.34	7.28	7.40	8.02	8.27	8.93	9.35	9.47	--	--
Industrial .....	5.27	5.35	5.85	5.69	6.05	6.57	6.65	6.63	--	--
Other .....	4.53	NA	NA	NA	NA	NA	NA	NA	--	--
All Sectors .....	7.25	7.45	7.79	8.24	8.54	9.11	9.56	9.69	--	--

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, 2010**

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
<b>Arizona</b>								
Number of Entities .....	5	29	3	9	NA	NA	NA	46
Number of Retail Customers .....	1,618,443	1,041,383	19,581	182,453	NA	NA	NA	2,861,860
Retail Sales (thousand megawatthours) .....	40,109	28,821	1,112	2,790	NA	NA	NA	72,832
Percentage of Retail Sales .....	55.07	39.57	1.53	3.83	--	--	--	100.00
Revenue from Retail Sales (million dollars) .....	4,011	2,666	54	328	NA	NA	NA	7,059
Percentage of Revenue .....	56.82	37.77	0.77	4.64	--	--	--	100.00
Average Retail Price (cents/kWh) .....	10.00	9.25	4.89	11.75	NA	NA	NA	9.69

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Data are shown for All Sectors. Full Service Providers sell bundled electricity services (e.g., both energy and delivery) to end users. Full Service Providers may purchase electricity from others (such as independent Power Producers or other full service providers) prior to delivery. Other Providers sell either the energy or the delivery services, but not both. Sales volumes and customer counts shown for Other Providers refer to delivered electricity, which is a joint activity of both energy and delivery providers; for clarity, they are reported only in the Energy column in this table. The revenue shown under Other Providers represents the revenue realized from the sale of the energy and the delivery services distinctly. "Public" entities include municipalities, State power agencies, and municipal marketing authorities. Federal entities are either owned or financed by the Federal Government. "Cooperatives" are electric utilities legally established to be owned by and operated for the benefit of those using its services. The cooperative will generate, transmit and/or distribute supplies of electric energy to a specified area not being serviced by another utility. "Non-utility" sales represent direct electricity transactions from independent generators to end use consumers. Totals may not equal sum of components because of independent rounding.

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

**Table 10. Supply and Disposition of Electricity, 2000 and 2004 Through 2010**  
(Million Kilowatthours)

Category	2000	2004	2005	2006	2007	2008	2009	2010
<b>Arizona</b>								
<b>Supply</b> .....								
<b>Generation</b> .....								
Electric Utilities .....	88,150	81,352	82,915	84,356	88,826	94,453	89,640	91,233
Independent Power Producers .....	-	20,891	16,390	17,617	22,209	24,217	21,713	19,954
Combined Heat and Power, Electric .....	425	1,874	1,689	1,959	1,853	370	301	188
<b>Electric Power Sector Generation Subtotal</b> .....	<b>88,575</b>	<b>104,116</b>	<b>100,994</b>	<b>103,932</b>	<b>112,888</b>	<b>119,040</b>	<b>111,655</b>	<b>111,374</b>
Combined Heat and Power, Commercial .....	25	51	72	72	71	70	72	72
Combined Heat and Power, Industrial.....	347	397	413	389	382	350	245	304
<b>Industrial and Commercial Generation Subtotal</b> .....	<b>372</b>	<b>448</b>	<b>484</b>	<b>461</b>	<b>453</b>	<b>419</b>	<b>317</b>	<b>377</b>
<b>Total Net Generation</b> .....	<b>88,947</b>	<b>104,564</b>	<b>101,479</b>	<b>104,393</b>	<b>113,341</b>	<b>119,459</b>	<b>111,971</b>	<b>111,751</b>
<b>Total International Imports</b> .....	<b>47</b>	<b>171</b>	<b>103</b>	<b>128</b>	<b>223</b>	<b>88</b>	<b>123</b>	<b>249</b>
<b>Total Supply</b> .....	<b>88,994</b>	<b>104,735</b>	<b>101,582</b>	<b>104,520</b>	<b>113,564</b>	<b>119,547</b>	<b>112,094</b>	<b>112,000</b>
<b>Disposition</b> .....								
<b>Retail Sales</b> .....								
Full Service Providers .....	61,001	66,933	69,391	73,253	77,193	76,268	73,433	72,832
Energy-Only Providers.....	129	-	-	-	-	-	-	-
Facility Direct Retail Sales <sup>1</sup> .....	-	-	-	-	-	-	-	1
<b>Total Electric Industry Retail Sales</b> .....	<b>61,130</b>	<b>66,933</b>	<b>69,391</b>	<b>73,253</b>	<b>77,193</b>	<b>76,268</b>	<b>73,433</b>	<b>72,833</b>
<b>Direct Use</b> .....	<b>369</b>	<b>374</b>	<b>502</b>	<b>269</b>	<b>494</b>	<b>456</b>	<b>344</b>	<b>409</b>
<b>Total International Exports</b> .....	<b>-</b>	<b>94</b>	<b>183</b>	<b>310</b>	<b>221</b>	<b>351</b>	<b>354</b>	<b>180</b>
<b>Estimated Losses</b> .....	<b>4,351</b>	<b>4,569</b>	<b>5,366<sup>R</sup></b>	<b>5,411</b>	<b>6,720</b>	<b>6,390</b>	<b>5,979</b>	<b>4,130</b>
<b>Net Interstate Trade</b> <sup>2</sup> .....	<b>23,144</b>	<b>32,765</b>	<b>26,140</b>	<b>25,278</b>	<b>28,936</b>	<b>36,082</b>	<b>31,985<sup>R</sup></b>	<b>34,447</b>
<b>Total Disposition</b> .....	<b>88,994</b>	<b>104,735</b>	<b>101,582</b>	<b>104,520</b>	<b>113,564</b>	<b>119,547</b>	<b>112,094</b>	<b>112,000</b>
<b>Net Trade Index (ratio)</b> <sup>3</sup> .....	<b>1.35</b>	<b>1.46</b>	<b>1.35</b>	<b>1.32</b>	<b>1.34</b>	<b>1.43</b>	<b>1.40</b>	<b>1.44</b>

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

<sup>2</sup> Net Interstate Trade = Total Supply - (Total Electric Industry Retail Sales + Direct Use + Total International Exports (if applies) + Estimated Losses).

<sup>3</sup> Net Trade Index is the sum of Total Supply / (Total Disposition - Net Interstate Trade).

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. Beginning with publication year 2010, Total disposition has been reorganized to include Net Interstate Trade. Therefore, Total Disposition equals Total Supply.

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. 2010 Summary Statistics**

Item	Value	U.S. Rank
<b>Arkansas</b>		
NERC Region(s).....		SERC/SPP
Primary Energy Source.....		Coal
Net Summer Capacity (megawatts) .....	<b>15,981</b>	<b>25</b>
Electric Utilities.....	11,488	23
Independent Power Producers & Combined Heat and Power.....	4,493	24
Net Generation (megawatthours).....	<b>61,000,185</b>	<b>25</b>
Electric Utilities.....	47,108,063	20
Independent Power Producers & Combined Heat and Power.....	13,892,122	27
Emissions (thousand metric tons) .....		
Sulfur Dioxide .....	74	22
Nitrogen Oxide.....	40	29
Carbon Dioxide.....	34,018	28
Sulfur Dioxide (lbs/MWh) .....	2.7	22
Nitrogen Oxide (lbs/MWh) .....	1.5	24
Carbon Dioxide (lbs/MWh).....	1,229	29
Total Retail Sales (megawatthours) .....	<b>48,194,285</b>	<b>29</b>
Full Service Provider Sales (megawatthours) .....	48,194,285	27
Direct Use (megawatthours) .....	<b>1,938,621</b>	<b>18</b>
Average Retail Price (cents/kWh).....	<b>7.28</b>	<b>45</b>

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, 2010**

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
<b>Arkansas</b>			
1. Union Power Partners LP .....	Gas	Union Power Partners LP	2,020
2. Arkansas Nuclear One .....	Nuclear	Energy Arkansas Inc	1,835
3. Independence .....	Coal	Energy Arkansas Inc	1,678
4. White Bluff .....	Coal	Energy Arkansas Inc	1,659
5. Robert E Ritchie .....	Petroleum	Energy Arkansas Inc	860
6. Lake Catherine.....	Gas	Energy Arkansas Inc	712
7. Dell Power Station.....	Gas	Associated Electric Coop, Inc	679
8. Plum Point Energy Station .....	Coal	Dynegy Services Plum Point LLC	670
9. Hot Spring Power Project.....	Gas	Hot Spring Power Co LLC	642
10. KGen Hot Spring Generating Facility .....	Gas	DEGS of O&M, LLC	630

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, 2010**  
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
1. Entergy Arkansas Inc.....	Investor-Owned	22,002,962	8,500,515	6,420,368	7,081,919	160
2. Southwestern Electric Power Co.....	Investor-Owned	4,170,296	1,193,627	1,383,319	1,593,350	-
3. Mississippi County Electric Coop.....	Cooperative	3,089,262	65,996	19,109	3,004,157	-
4. Oklahoma Gas & Electric Co.....	Investor-Owned	2,837,920	793,721	894,775	1,149,424	-
5. First Electric Coop Corp.....	Cooperative	1,907,363	1,273,724	188,198	445,441	-
Total Sales, Top Five Providers.....		34,007,803	11,827,583	8,905,769	13,274,291	160
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, 2000 and 2004 Through 2010**  
(Megawatts)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Arkansas</b>										
<b>Electric Utilities.....</b>	<b>9,330</b>	<b>9,772</b>	<b>10,434</b>	<b>10,669</b>	<b>11,467</b>	<b>11,459</b>	<b>11,456</b>	<b>11,488</b>	<b>96.0</b>	<b>71.9</b>
Coal.....	3,680	3,745	3,793	3,846	3,846	3,861	3,864	3,865	37.9	24.2
Petroleum.....	29	25	23	23	22	22	22	22	0.3	0.1
Natural Gas.....	2,504	2,750	3,369	3,561	4,414	4,390	4,384	4,411	25.8	27.6
Nuclear.....	1,695	1,837	1,834	1,824	1,838	1,839	1,835	1,835	17.4	11.5
Hydroelectric.....	1,394	1,387	1,387	1,387	1,320	1,320	1,323	1,327	14.3	8.3
Pumped Storage.....	28	28	28	28	28	28	28	28	0.3	0.2
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>392</b>	<b>3,766</b>	<b>3,625</b>	<b>3,838</b>	<b>3,828</b>	<b>3,806</b>	<b>3,819</b>	<b>4,493</b>	<b>4.0</b>	<b>28.1</b>
Coal.....	-	-	-	-	-	-	-	670	-	4.2
Natural Gas.....	43	3,468	3,327	3,535	3,525	3,484	3,484	3,484	0.4	21.8
Hydroelectric.....	1	1	1	1	1	1	13	13	*	0.1
Other Renewables <sup>1</sup> .....	348	297	297	302	302	322	323	326	3.6	2.0
<b>Total Electric Industry.....</b>	<b>9,722</b>	<b>13,538</b>	<b>14,059</b>	<b>14,507</b>	<b>15,296</b>	<b>15,266</b>	<b>15,275</b>	<b>15,981</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	3,680	3,745	3,793	3,846	3,846	3,861	3,864	4,535	37.9	28.4
Petroleum.....	29	25	23	23	22	22	22	22	0.3	0.1
Natural Gas.....	2,547	6,218	6,696	7,096	7,939	7,873	7,867	7,894	26.2	49.4
Nuclear.....	1,695	1,837	1,834	1,824	1,838	1,839	1,835	1,835	17.4	11.5
Hydroelectric.....	1,395	1,388	1,388	1,389	1,321	1,321	1,337	1,341	14.4	8.4
Other Renewables <sup>1</sup> .....	348	297	297	302	302	322	323	326	3.6	2.0
Pumped Storage.....	28	28	28	28	28	28	28	28	0.3	0.2

<sup>1</sup> Other Renewables includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

\* = 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, 2000 and 2004 Through 2010**  
(Megawatthours)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Arkansas</b>										
<b>Electric Utilities.....</b>	<b>41,486,451</b>	<b>45,055,455</b>	<b>40,545,220</b>	<b>42,068,467</b>	<b>45,522,928</b>	<b>45,880,232</b>	<b>45,423,149</b>	<b>47,108,063</b>	<b>94.6</b>	<b>77.2</b>
Coal.....	24,073,573	25,248,810	22,940,659	24,095,405	25,642,175	25,993,257	24,986,333	26,421,729	54.9	43.3
Petroleum.....	206,991	476,133	162,961	135,291	76,212	57,158	80,962	37,140	0.5	0.1
Natural Gas.....	3,183,788	208,148	645,578	1,039,917	1,052,632	955,954	944,559	2,020,347	7.3	3.3
Nuclear.....	11,651,772	15,449,851	13,689,571	15,232,577	15,486,102	14,168,091	15,169,966	15,022,678	26.6	24.6
Hydroelectric.....	2,370,327	3,647,768	3,085,749	1,550,558	3,236,203	4,658,215	4,140,964	3,606,689	5.4	5.9
Pumped Storage.....	-	24,745	20,702	14,719	29,604	47,557	100,365	-521	-	*
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>2,389,315</b>	<b>6,872,177</b>	<b>7,249,289</b>	<b>10,100,236</b>	<b>9,073,308</b>	<b>9,170,296</b>	<b>12,034,590</b>	<b>13,892,122</b>	<b>5.4</b>	<b>22.8</b>
Coal.....	94,126	104,753	96,485	87,645	102,005	121,397	88,917	1,730,716	0.2	2.8
Petroleum.....	14,737	62,808	45,140	25,452	17,941	6,467	7,508	8,039	*	*
Natural Gas.....	678,721	4,860,616	5,360,082	8,242,469	7,311,619	7,505,120	10,276,854	10,448,730	1.5	17.1
Hydroelectric.....	156	-4,329	-3,233	-	550	2,082	51,742	52,273	*	0.1
Other Renewables <sup>1</sup> .....	1,594,036	1,810,380	1,735,523	1,722,805	1,623,744	1,512,833	1,585,550	1,623,943	3.6	2.7
Other <sup>2</sup> .....	7,539	37,950	15,293	21,865	17,449	22,397	24,019	28,421	*	*
<b>Total Electric Industry.....</b>	<b>43,875,766</b>	<b>51,927,632</b>	<b>47,794,509</b>	<b>52,168,703</b>	<b>54,596,236</b>	<b>55,050,528</b>	<b>57,457,739</b>	<b>61,000,185</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	24,167,699	25,353,563	23,037,144	24,183,050	25,744,180	26,114,654	25,075,250	28,152,445	55.1	46.2
Petroleum.....	221,728	538,941	208,101	160,743	94,153	63,625	88,470	45,179	0.5	0.1
Natural Gas.....	3,862,509	5,068,764	6,005,660	9,282,386	8,364,251	8,461,073	11,221,413	12,469,077	8.8	20.4
Nuclear.....	11,651,772	15,449,851	13,689,571	15,232,577	15,486,102	14,168,091	15,169,966	15,022,678	26.6	24.6
Hydroelectric.....	2,370,483	3,643,439	3,082,516	1,550,558	3,236,753	4,660,297	4,192,706	3,658,962	5.4	6.0
Other Renewables <sup>1</sup> .....	1,594,036	1,810,380	1,735,523	1,722,805	1,623,744	1,512,833	1,585,550	1,623,943	3.6	2.7
Pumped Storage.....	-	24,745	20,702	14,719	29,604	47,557	100,365	-521	-	*
Other <sup>2</sup> .....	7,539	37,950	15,293	21,865	17,449	22,397	24,019	28,421	*	*

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>2</sup> Other includes non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

\* = 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.

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

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, 2000 and 2004 Through 2010**

Fuel, Quality	2000	2004	2005	2006	2007	2008	2009	2010
<b>Arkansas</b>								
Coal (cents per million Btu) .....	142	123	146	147	160	W	W	173
Average heat value (Btu per pound).....	8,681	8,761	8,745	8,778	8,717	8,711	8,700	8,755
Average sulfur Content (percent).....	0.27	0.28	0.27	0.29	0.26	0.28	0.27	0.25
Petroleum (cents per million Btu) <sup>1</sup> .....	466	726	1,001	1,356	1,479	W	W	1,575
Average heat value (Btu per gallon).....	140,488	140,321	140,450	141,386	140,424	140,843	143,538	137,114
Average sulfur Content (percent).....	0.49	0.46	0.49	0.51	0.46	1.03	0.74	0.29
Natural Gas (cents per million Btu).....	438	602	834	621	686	890	405	497
Average heat value (Btu per cubic foot).....	1,020	1,029	1,031	1,027	1,026	1,032	1,025	1,021

<sup>1</sup> 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, 2000 and 2004 Through 2010 (Thousand Metric Tons)**

Emission Type	2000	2004	2005	2006	2007	2008	2009	2010
<b>Arkansas</b>								
<b>Sulfur Dioxide .....</b>								
Coal.....	69	71	60	66	65	66	62	61
Petroleum.....	2	3	1	1	1	*	*	*
Natural Gas.....	*	*	*	*	*	*	*	*
Other Renewables <sup>1</sup> .....	13	13	36	15	16	11	12	12
Other <sup>2</sup> .....	*	-	1	*	*	1	1	1
Total.....	84	87	97	82	82	78	75	74
<b>Nitrogen Oxide .....</b>								
Coal.....	41	37	32	31	34	34	30	33
Petroleum.....	1	1	*	*	*	*	*	*
Natural Gas.....	10	2	2	2	2	2	2	3
Other Renewables <sup>1</sup> .....	5	5	10	5	6	5	5	5
Other <sup>2</sup> .....	*	-	*	*	*	*	*	*
Total.....	57	44	44	38	41	40	37	40
<b>Carbon Dioxide .....</b>								
Coal.....	25,397	25,615	23,412	24,403	26,193	26,545	25,221	28,163
Petroleum.....	233	560	277	214	128	68	92	45
Natural Gas.....	3,433	2,666	3,042	4,239	3,929	3,972	5,034	5,722
Other <sup>2</sup> .....	*	2	45	75	66	68	80	88
Total.....	29,064	28,844	26,775	28,931	30,316	30,653	30,427	34,018

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, and other biomass.

<sup>2</sup> Other includes non-biogenic municipal solid waste, tire-derived fuels, and miscellaneous technologies.

\* = 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.

Note: CO2 emissions for the historical years 1998 - 2008 have been revised due to changes in emission factors.

Sources: Calculations made by the Electric Power Systems and Reliability Team; Office of Electricity, Renewables, and Uranium Statistics; U. S. Energy Information Administration.

**Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 2000 and 2004 Through 2010**

Sector	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Arkansas</b>										
<b>Retail Sales (thousand megawatthours) .....</b>										
Residential .....	14,871	15,619	17,134	17,065	17,415	17,392	16,986	19,231	35.7	39.9
Commercial .....	8,746	10,731	11,366	11,581	11,801	11,703	11,477	12,188	21.0	25.3
Industrial .....	17,268	17,322	17,665	17,990	17,839	17,038	14,710	16,775	41.5	34.8
Other .....	726	NA	NA	NA	NA	NA	NA	NA	1.7	--
Transportation.....	NA	NA	NA	NA	NA	*	*	*	--	*
All Sectors .....	41,611	43,672	46,165	46,636	47,055	46,135	43,173	48,194	100.0	100.0
<b>Retail Revenue (million dollars).....</b>										
Residential .....	1,109	1,150	1,371	1,511	1,521	1,613	1,552	1,703	46.2	48.6
Commercial .....	519	605	703	806	816	890	867	891	21.6	25.4
Industrial .....	726	720	837	943	936	1,004	847	913	30.2	26.0
Other .....	46	NA	NA	NA	NA	NA	NA	NA	1.9	--
Transportation.....	NA	NA	NA	NA	NA	*	*	*	--	*
All Sectors .....	2,399	2,475	2,910	3,260	3,273	3,507	3,267	3,507	100.0	100.0
<b>Average Retail Prices (cents/kWh) .....</b>										
Residential .....	7.45	7.36	8.00	8.85	8.73	9.27	9.14	8.86	--	--
Commercial .....	5.93	5.64	6.18	6.96	6.91	7.61	7.56	7.31	--	--
Industrial .....	4.20	4.16	4.74	5.24	5.25	5.89	5.76	5.44	--	--
Other .....	6.39	NA	NA	NA	NA	NA	NA	NA	--	--
Transportation.....	NA	NA	NA	NA	NA	11.79	12.32	11.33	--	--
All Sectors .....	5.77	5.67	6.30	6.99	6.96	7.60	7.57	7.28	--	--

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, 2010**

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
<b>Arkansas</b>								
Number of Entities.....	4	15	NA	17	1	NA	NA	37
Number of Retail Customers .....	876,919	182,051	NA	475,234	1	NA	NA	1,534,205
Retail Sales (thousand megawatthours).....	29,167	6,166	NA	12,847	14	NA	NA	48,194
Percentage of Retail Sales .....	60.52	12.79	--	26.66	0.03	--	--	100.00
Revenue from Retail Sales (million dollars) .....	2,101	450	NA	955	1	NA	NA	3,507
Percentage of Revenue .....	59.92	12.82	--	27.24	0.02	--	--	100.00
Average Retail Price (cents/kWh).....	7.20	7.29	NA	7.44	3.80	NA	NA	7.28

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Data are shown for All Sectors. Full Service Providers sell bundled electricity services (e.g., both energy and delivery) to end users. Full Service Providers may purchase electricity from others (such as independent Power Producers or other full service providers) prior to delivery. Other Providers sell either the energy or the delivery services, but not both. Sales volumes and customer counts shown for Other Providers refer to delivered electricity, which is a joint activity of both energy and delivery providers; for clarity, they are reported only in the Energy column in this table. The revenue shown under Other Providers represents the revenue realized from the sale of the energy and the delivery services distinctly. "Public" entities include municipalities, State power agencies, and municipal marketing authorities. Federal entities are either owned or financed by the Federal Government. "Cooperatives" are electric utilities legally established to be owned by and operated for the benefit of those using its services. The cooperative will generate, transmit and/or distribute supplies of electric energy to a specified area not being serviced by another utility. "Non-utility" sales represent direct electricity transactions from independent generators to end use consumers. Totals may not equal sum of components because of independent rounding.

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

**Table 10. Supply and Disposition of Electricity, 2000 and 2004 Through 2010**  
(Million Kilowatthours)

Category	2000	2004	2005	2006	2007	2008	2009	2010
<b>Arkansas</b>								
<b>Supply</b> .....								
<b>Generation</b> .....								
Electric Utilities .....	41,486	45,055	40,545	42,068	45,523	45,880	45,423	47,108
Independent Power Producers .....	*	3,204	3,997	6,966	6,311	5,940	8,786	10,732
Combined Heat and Power, Electric .....	-	1,436	1,215	1,151	847	1,286	1,361	1,220
<b>Electric Power Sector Generation Subtotal</b> .....	<b>41,487</b>	<b>49,695</b>	<b>45,757</b>	<b>50,186</b>	<b>52,681</b>	<b>53,106</b>	<b>55,571</b>	<b>59,060</b>
Combined Heat and Power, Commercial .....	10	4	4	4	2	3	3	6
Combined Heat and Power, Industrial.....	2,380	2,228	2,033	1,979	1,913	1,941	1,884	1,934
<b>Industrial and Commercial Generation Subtotal</b> .....	<b>2,389</b>	<b>2,232</b>	<b>2,037</b>	<b>1,983</b>	<b>1,915</b>	<b>1,945</b>	<b>1,887</b>	<b>1,940</b>
<b>Total Net Generation</b> .....	<b>43,876</b>	<b>51,928</b>	<b>47,795</b>	<b>52,169</b>	<b>54,596</b>	<b>55,051</b>	<b>57,458</b>	<b>61,000</b>
<b>Total Supply</b> .....	<b>43,876</b>	<b>51,928</b>	<b>47,795</b>	<b>52,169</b>	<b>54,596</b>	<b>55,051</b>	<b>57,458</b>	<b>61,000</b>
<b>Disposition</b> .....								
<b>Retail Sales</b> .....								
Full Service Providers .....	41,611	43,417	46,055	46,636	47,055	46,115	43,156	48,180
Facility Direct Retail Sales <sup>1</sup> .....	-	256	110	-	-	19	17	14
<b>Total Electric Industry Retail Sales</b> .....	<b>41,611</b>	<b>43,672</b>	<b>46,165</b>	<b>46,636</b>	<b>47,055</b>	<b>46,135</b>	<b>43,173</b>	<b>48,194</b>
<b>Direct Use</b> .....	<b>2,358</b>	<b>2,396</b>	<b>2,083</b>	<b>2,054</b>	<b>1,995</b>	<b>1,987</b>	<b>1,916</b>	<b>1,939</b>
<b>Estimated Losses</b> .....	<b>2,962</b>	<b>3,692</b>	<b>4,081</b>	<b>3,449</b>	<b>4,713</b>	<b>4,113</b>	<b>4,068</b>	<b>4,620</b>
<b>Net Interstate Trade</b> <sup>2</sup> .....	<b>-3,055</b>	<b>2,168</b>	<b>-4,535</b>	<b>30</b>	<b>834</b>	<b>2,816</b>	<b>8,301</b>	<b>6,247</b>
<b>Total Disposition</b> .....	<b>43,876</b>	<b>51,928</b>	<b>47,795</b>	<b>52,169</b>	<b>54,596</b>	<b>55,051</b>	<b>57,458</b>	<b>61,000</b>
<b>Net Trade Index (ratio)</b> <sup>3</sup> .....	<b>0.93</b>	<b>1.04</b>	<b>0.91</b>	<b>1.00</b>	<b>1.02</b>	<b>1.05</b>	<b>1.17</b>	<b>1.11</b>

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

<sup>2</sup> Net Interstate Trade = Total Supply - (Total Electric Industry Retail Sales + Direct Use + Total International Exports (if applies) + Estimated Losses).

<sup>3</sup> Net Trade Index is the sum of Total Supply / (Total Disposition - Net Interstate Trade).

\* = 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. Beginning with publication year 2010, Total disposition has been reorganized to include Net Interstate Trade. Therefore, Total Disposition equals Total Supply.

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. 2010 Summary Statistics**

Item	Value	U.S. Rank
<b>California</b>		
NERC Region(s).....		SPP/WECC
Primary Energy Source.....		Gas
Net Summer Capacity (megawatts) .....	<b>67,328</b>	<b>2</b>
Electric Utilities.....	28,689	2
Independent Power Producers & Combined Heat and Power.....	38,639	4
Net Generation (megawatthours).....	<b>204,125,596</b>	<b>4</b>
Electric Utilities.....	96,939,535	8
Independent Power Producers & Combined Heat and Power.....	107,186,061	4
Emissions (thousand metric tons) .....		
Sulfur Dioxide .....	3	47
Nitrogen Oxide .....	80	9
Carbon Dioxide.....	55,406	16
Sulfur Dioxide (lbs/MWh) .....	*	49
Nitrogen Oxide (lbs/MWh) .....	0.9	41
Carbon Dioxide (lbs/MWh).....	598	46
Total Retail Sales (megawatthours) .....	<b>258,525,414</b>	<b>2</b>
Full Service Provider Sales (megawatthours) .....	240,948,673	2
Energy-Only Provider Sales (megawatthours).....	17,576,741	8
Direct Use (megawatthours) .....	<b>10,073,764</b>	<b>3</b>
Average Retail Price (cents/kWh).....	<b>13.01</b>	<b>11</b>

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, 2010**

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
<b>California</b>			
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 Beh 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, 2010**  
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
1. Pacific Gas & Electric Co.....	Investor-Owned	84,045,146	30,744,336	38,885,857	14,414,953	-
2. Southern California Edison Co.....	Investor-Owned	75,597,423	28,960,709	38,650,369	7,921,618	64,727
3. Los Angeles City of.....	Public	22,939,709	7,165,691	13,493,111	2,139,427	141,480
4. San Diego Gas & Electric Co.....	Investor-Owned	16,282,664	7,304,159	6,747,908	2,131,425	99,172
5. Sacramento Municipal Util Dist.....	Public	10,284,810	4,490,357	645,424	5,108,162	40,867
Total Sales, Top Five Providers .....		209,149,752	78,665,252	98,422,669	31,715,585	346,246
Percent of Total State Sales .....		81	90	81	64	42

- (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, 2000 and 2004 Through 2010**  
(Megawatts)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>California</b>										
<b>Electric Utilities.....</b>	<b>24,319</b>	<b>23,867</b>	<b>25,248</b>	<b>26,346</b>	<b>26,334</b>	<b>26,467</b>	<b>28,021</b>	<b>28,689</b>	<b>46.5</b>	<b>42.6</b>
Petroleum.....	526	297	297	245	226	222	204	174	1.0	0.3
Natural Gas.....	5,670	5,567	6,850	7,917	8,188	8,134	9,629	10,333	10.8	15.3
Nuclear.....	4,310	4,324	4,324	4,390	4,390	4,390	4,390	4,390	8.2	6.5
Hydroelectric.....	9,835	9,840	9,849	9,844	9,505	9,587	9,608	9,600	18.8	14.3
Other Renewables <sup>1</sup> .....	248	150	240	261	337	321	377	379	0.5	0.6
Pumped Storage.....	3,730	3,688	3,688	3,688	3,688	3,813	3,813	3,813	7.1	5.7
<b>Independent Power Producers and Combined Heat and Power .....</b>	<b>27,989</b>	<b>34,440</b>	<b>36,460</b>	<b>36,867</b>	<b>37,479</b>	<b>37,638</b>	<b>37,927</b>	<b>38,639</b>	<b>53.5</b>	<b>57.4</b>
Coal.....	407	389	389	389	389	367	367	374	0.8	0.6
Petroleum.....	460	541	543	544	528	530	530	527	0.9	0.8
Natural Gas.....	21,015	27,871	29,850	30,084	30,368	30,501	30,517	31,037	40.2	46.1
Other Gases <sup>2</sup> .....	395	235	191	171	262	197	197	209	0.8	0.3
Hydroelectric.....	476	238	239	239	536	535	535	540	0.9	0.8
Other Renewables <sup>1</sup> .....	5,232	5,158	5,240	5,431	5,397	5,501	5,775	5,941	10.0	8.8
Other <sup>3</sup> .....	4	8	8	8	-	7	7	11	*	*
<b>Total Electric Industry.....</b>	<b>52,308</b>	<b>58,306</b>	<b>61,707</b>	<b>63,213</b>	<b>63,813</b>	<b>64,105</b>	<b>65,948</b>	<b>67,328</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	407	389	389	389	389	367	367	374	0.8	0.6
Petroleum.....	986	838	840	789	754	752	734	701	1.9	1.0
Natural Gas.....	26,685	33,438	36,700	38,001	38,556	38,635	40,146	41,370	51.0	61.4
Other Gases <sup>2</sup> .....	395	235	191	171	262	197	197	209	0.8	0.3
Nuclear.....	4,310	4,324	4,324	4,390	4,390	4,390	4,390	4,390	8.2	6.5
Hydroelectric.....	10,311	10,078	10,088	10,083	10,041	10,122	10,144	10,141	19.7	15.1
Other Renewables <sup>1</sup> .....	5,480	5,308	5,479	5,693	5,734	5,822	6,152	6,319	10.5	9.4
Pumped Storage.....	3,730	3,688	3,688	3,688	3,688	3,813	3,813	3,813	7.1	5.7
Other <sup>3</sup> .....	4	8	8	8	-	7	7	11	*	*

<sup>1</sup> Other Renewables includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>2</sup> Other gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

<sup>3</sup> Other includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

\* = 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, 2000 and 2004 Through 2010**  
(Megawatthours)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>California</b>										
<b>Electric Utilities.....</b>	<b>85,856,285</b>	<b>75,177,122</b>	<b>89,348,213</b>	<b>100,338,454</b>	<b>87,348,589</b>	<b>83,346,844</b>	<b>85,123,706</b>	<b>96,939,535</b>	<b>41.3</b>	<b>47.5</b>
Petroleum.....	144,590	51,482	57,974	58,991	65,296	58,187	50,625	40,819	0.1	*
Natural Gas.....	12,411,961	10,759,580	12,982,348	19,805,412	22,896,497	26,129,803	25,237,449	31,251,994	6.0	15.3
Other Gases <sup>1</sup> .....	-	-	-	-	-	12,899	60,250	41,963	-	*
Nuclear.....	35,175,505	30,267,887	36,154,898	31,958,621	35,792,490	32,482,351	31,763,804	32,200,757	16.9	15.8
Hydroelectric.....	37,041,641	33,608,686	38,826,653	47,127,134	26,926,661	22,871,073	26,407,034	31,946,754	17.8	15.7
Other Renewables <sup>2</sup> .....	144,648	1,306,318	1,206,547	1,292,159	1,357,866	1,471,268	1,451,695	1,628,513	0.1	0.8
Pumped Storage.....	937,940	-816,831	119,793	96,137	309,779	321,263	152,849	-171,265	0.5	-0.1
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>122,226,198</b>	<b>119,603,233</b>	<b>110,944,605</b>	<b>116,460,234</b>	<b>123,498,992</b>	<b>124,637,419</b>	<b>119,652,427</b>	<b>107,186,061</b>	<b>58.7</b>	<b>52.5</b>
Coal.....	2,363,607	2,237,808	2,135,375	2,235,342	2,298,306	2,280,401	2,049,947	2,100,221	1.1	1.0
Petroleum.....	2,695,204	2,211,415	2,485,723	2,309,183	2,268,678	1,683,404	1,492,224	1,018,470	1.3	0.5
Natural Gas.....	90,807,012	89,462,653	80,371,501	85,885,704	92,803,974	93,861,934	88,226,006	76,270,319	43.6	37.4
Other Gases <sup>1</sup> .....	2,687,177	2,065,965	2,279,584	2,022,446	1,818,106	1,671,965	1,562,594	1,652,678	1.3	0.8
Hydroelectric.....	1,292,145	532,244	805,214	920,246	401,090	1,256,736	1,481,002	1,484,116	0.6	0.7
Other Renewables <sup>2</sup> .....	22,359,013	22,664,581	22,447,700	22,623,236	23,487,391	23,312,669	24,087,967	23,821,208	10.7	11.7
Other <sup>3</sup> .....	22,040	428,567	419,508	464,077	421,447	570,311	752,687	839,048	*	0.4
<b>Total Electric Industry.....</b>	<b>208,082,483</b>	<b>194,780,355</b>	<b>200,292,818</b>	<b>216,798,688</b>	<b>210,847,581</b>	<b>207,984,263</b>	<b>204,776,132</b>	<b>204,125,596</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	2,363,607	2,237,808	2,135,375	2,235,342	2,298,306	2,280,401	2,049,947	2,100,221	1.1	1.0
Petroleum.....	2,839,794	2,262,897	2,543,697	2,368,174	2,333,974	1,741,590	1,542,848	1,059,289	1.4	0.5
Natural Gas.....	103,218,973	100,222,233	93,353,849	105,691,116	115,700,470	119,991,737	113,463,455	107,522,313	49.6	52.7
Other Gases <sup>1</sup> .....	2,687,177	2,065,965	2,279,584	2,022,446	1,818,106	1,684,863	1,622,844	1,694,641	1.3	0.8
Nuclear.....	35,175,505	30,267,887	36,154,898	31,958,621	35,792,490	32,482,351	31,763,804	32,200,757	16.9	15.8
Hydroelectric.....	38,333,786	34,140,929	39,631,867	48,047,380	27,327,751	24,127,810	27,888,036	33,430,870	18.4	16.4
Other Renewables <sup>2</sup> .....	22,503,661	23,970,899	23,654,247	23,915,395	24,845,257	24,783,937	25,539,662	25,449,721	10.8	12.5
Pumped Storage.....	937,940	-816,831	119,793	96,137	309,779	321,263	152,849	-171,265	0.5	-0.1
Other <sup>3</sup> .....	22,040	428,567	419,508	464,077	421,447	570,311	752,687	839,048	*	0.4

<sup>1</sup> Other gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

<sup>2</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>3</sup> Other includes non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

\* = 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.

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

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, 2000 and 2004 Through 2010**

Fuel, Quality	2000	2004	2005	2006	2007	2008	2009	2010
<b>California</b>								
Coal (cents per million Btu) .....	-	188	W	W	W	W	W	305
Average heat value (Btu per pound).....	-	12,205	12,027	12,184	11,868	11,667	11,854	11,927
Average sulfur Content (percent) .....	-	0.75	0.79	0.86	0.59	0.58	0.62	0.65
Petroleum (cents per million Btu) <sup>1</sup> .....	619	298	429	494	471	316	221	271
Average heat value (Btu per gallon).....	140,000	134,633	129,557	128,124	125,131	135,064	135,640	136,229
Average sulfur Content (percent) .....	-	1.19	0.93	0.99	0.97	2.45	2.17	2.38
Natural Gas (cents per million Btu).....	581	589	786	659	659	808	431	485
Average heat value (Btu per cubic foot).....	1,012	1,027	1,025	1,026	1,025	1,026	1,025	1,023

<sup>1</sup> 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, 2000 and 2004 Through 2010 (Thousand Metric Tons)**

Emission Type	2000	2004	2005	2006	2007	2008	2009	2010
<b>California</b>								
<b>Sulfur Dioxide .....</b>								
Coal.....	28	2	3	3	3	1	2	2
Petroleum.....	94	18	21	21	18	1	1	*
Natural Gas.....	*	*	*	*	*	*	*	*
Other Gases.....	*	*	*	*	*	*	*	*
Other Renewables <sup>1</sup> .....	2	2	1	2	2	1	*	*
Other <sup>2</sup> .....	2	*	*	*	*	*	*	*
Total.....	126	22	26	27	23	4	3	3
<b>Nitrogen Oxide .....</b>								
Coal.....	10	3	3	3	3	3	3	3
Petroleum.....	14	4	5	5	4	3	2	1
Natural Gas.....	97	70	57	58	58	50	55	52
Other Gases.....	4	3	3	3	3	2	2	2
Other Renewables <sup>1</sup> .....	20	16	17	20	19	24	21	20
Other <sup>2</sup> .....	2	1	1	1	1	1	1	1
Total.....	145	98	86	91	89	82	83	80
<b>Carbon Dioxide .....</b>								
Coal.....	3,902	3,950	3,741	3,897	3,928	3,767	3,365	3,444
Petroleum.....	3,630	2,992	3,325	3,270	3,143	2,175	1,828	1,280
Natural Gas.....	59,579	52,539	47,270	51,879	55,382	55,912	53,564	50,012
Other Gases.....	*	*	*	*	*	1	*	*
Geothermal.....	316	337	335	329	334	331	330	324
Other Renewables <sup>1</sup> .....	-	-	-	-	-	-	-	173
Other <sup>2</sup> .....	368	352	328	356	353	363	341	173
Total.....	67,797	60,170	54,999	59,732	63,140	62,549	59,428	55,406

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, and other biomass.

<sup>2</sup> Other includes non-biogenic municipal solid waste, tire-derived fuels, and miscellaneous technologies.

\* = 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.

Note: CO2 emissions for the historical years 1998 - 2008 have been revised due to changes in emission factors.

Sources: Calculations made by the Electric Power Systems and Reliability Team; Office of Electricity, Renewables, and Uranium Statistics; U. S. Energy Information Administration.

**Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 2000 and 2004 Through 2010**

Sector	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>California</b>										
<b>Retail Sales (thousand megawatthours) .....</b>										
Residential .....	79,241	83,361	85,610	89,836	89,158	91,231	89,799	87,257	32.5	33.8
Commercial .....	92,697	118,953	117,551	121,255	123,690	125,026	121,105	121,152	38.0	46.9
Industrial .....	64,311	48,812	50,242	50,991	50,538	51,031	47,835	49,301	26.4	19.1
Other .....	7,808	NA	NA	NA	NA	NA	NA	NA	3.2	--
Transportation.....	NA	900	846	877	848	867	844	821	--	0.3
All Sectors .....	244,057	252,026	254,250	262,959	264,235	268,155	259,584	258,531	100.0	100.0
<b>Retail Revenue (million dollars).....</b>										
Residential .....	8,629	10,168	10,708	12,876	12,860	12,595	13,238	12,873	37.3	38.3
Commercial .....	9,502	13,846	14,007	15,636	15,854	15,677	16,251	15,865	41.1	47.2
Industrial .....	4,594	4,526	4,797	5,145	5,046	5,125	4,816	4,830	19.9	14.4
Other .....	380	NA	NA	NA	NA	NA	NA	NA	1.6	--
Transportation.....	NA	58	55	55	71	71	71	68	--	0.2
All Sectors .....	23,105	28,598	29,567	33,712	33,831	33,468	34,377	33,637	100.0	100.0
<b>Average Retail Prices (cents/kWh) .....</b>										
Residential .....	10.89	12.20	12.51	14.33	14.42	13.81	14.74	14.75	--	--
Commercial .....	10.25	11.64	11.92	12.90	12.82	12.54	13.42	13.10	--	--
Industrial .....	7.14	9.27	9.55	10.09	9.98	10.04	10.07	9.80	--	--
Other .....	4.87	NA	NA	NA	NA	NA	NA	NA	--	--
Transportation.....	NA	6.42	6.55	6.29	8.37	8.16	8.43	8.27	--	--
All Sectors .....	9.47	11.35	11.63	12.82	12.80	12.48	13.24	13.01	--	--

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, 2010**

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
<b>California</b>								
Number of Entities.....	6	36	1	4	27	13	3	90
Number of Retail Customers .....	11,586,265	3,197,884	72	16,396	28	37,077	NA	14,837,722
Retail Sales (thousand megawatthours).....	177,437	59,446	2,326	290	1,449	17,577	NA	258,525
Percentage of Retail Sales .....	68.63	22.99	0.90	0.11	0.56	6.80	--	100.00
Revenue from Retail Sales (million dollars) .....	24,235	7,291	67	38	81	1,224	701	33,636
Percentage of Revenue .....	72.05	21.68	0.20	0.11	0.24	3.64	2.08	100.00
Average Retail Price (cents/kWh).....	13.66	12.27	2.88	13.17	5.59	6.96	3.99	13.01

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Data are shown for All Sectors. Full Service Providers sell bundled electricity services (e.g., both energy and delivery) to end users. Full Service Providers may purchase electricity from others (such as independent Power Producers or other full service providers) prior to delivery. Other Providers sell either the energy or the delivery services, but not both. Sales volumes and customer counts shown for Other Providers refer to delivered electricity, which is a joint activity of both energy and delivery providers; for clarity, they are reported only in the Energy column in this table. The revenue shown under Other Providers represents the revenue realized from the sale of the energy and the delivery services distinctly. "Public" entities include municipalities, State power agencies, and municipal marketing authorities. Federal entities are either owned or financed by the Federal Government. "Cooperatives" are electric utilities legally established to be owned by and operated for the benefit of those using its services. The cooperative will generate, transmit and/or distribute supplies of electric energy to a specified area not being serviced by another utility. "Non-utility" sales represent direct electricity transactions from independent generators to end use consumers. Totals may not equal sum of components because of independent rounding.

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



**Table 10. Supply and Disposition of Electricity, 2000 and 2004 Through 2010**  
(Million Kilowatthours)

Category	2000	2004	2005	2006	2007	2008	2009	2010
<b>California</b>								
<b>Supply</b> .....								
<b>Generation</b> .....								
Electric Utilities .....	85,856	75,177	89,348	100,338	87,349	83,347	85,124	96,940
Independent Power Producers .....	78,996	75,928	68,721	76,509	82,491	85,067	80,767	69,294
Combined Heat and Power, Electric .....	23,410	24,567	23,459	21,399	22,342	21,535	21,009	19,582
<b>Electric Power Sector Generation Subtotal</b> .....	<b>188,263</b>	<b>175,672</b>	<b>181,527</b>	<b>198,247</b>	<b>192,181</b>	<b>189,949</b>	<b>186,900</b>	<b>185,816</b>
Combined Heat and Power, Commercial .....	2,104	1,918	2,151	2,118	2,131	2,100	2,244	2,300
Combined Heat and Power, Industrial.....	17,716	17,191	16,614	16,434	16,536	15,935	15,633	16,010
<b>Industrial and Commercial Generation Subtotal</b> .....	<b>19,820</b>	<b>19,109</b>	<b>18,765</b>	<b>18,552</b>	<b>18,666</b>	<b>18,035</b>	<b>17,877</b>	<b>18,310</b>
<b>Total Net Generation</b> .....	<b>208,082</b>	<b>194,780</b>	<b>200,293</b>	<b>216,799</b>	<b>210,848</b>	<b>207,984</b>	<b>204,776</b>	<b>204,126</b>
<b>Total International Imports</b> <sup>1</sup> .....	<b>5,507</b>	<b>1,291</b>	<b>5,630</b>	<b>2,936</b>	<b>5,797</b>	<b>5,370</b>	<b>3,047</b>	<b>3,474</b>
<b>Total Supply</b> .....	<b>213,590</b>	<b>196,071</b>	<b>205,923</b>	<b>219,735</b>	<b>216,645</b>	<b>213,354</b>	<b>207,823</b>	<b>207,599</b>
<b>Disposition</b> .....								
<b>Retail Sales</b> .....								
Full Service Providers .....	221,323	225,896	228,582	239,307	243,034	248,105	240,471	239,499
Energy-Only Providers.....	22,735	24,625	23,406	21,223	19,618	18,662	17,036	17,577
Facility Direct Retail Sales <sup>2</sup> .....	-	1,505	2,262	2,428	1,583	1,389	2,076	1,455
<b>Total Electric Industry Retail Sales</b> .....	<b>244,057</b>	<b>252,026</b>	<b>254,250</b>	<b>262,959</b>	<b>264,235</b>	<b>268,155</b>	<b>259,584</b>	<b>258,531</b>
<b>Direct Use</b> .....	<b>14,599</b>	<b>15,199</b>	<b>11,673</b>	<b>14,030</b>	<b>9,146</b>	<b>13,462</b>	<b>10,035</b>	<b>10,074</b>
<b>Total International Exports</b> <sup>1</sup> .....	<b>2,126</b>	<b>48</b>	<b>103</b>	<b>565</b>	<b>293</b>	<b>675</b>	<b>518</b>	<b>401</b>
<b>Estimated Losses</b> .....	<b>17,370</b>	<b>19,251</b>	<b>18,577<sup>R</sup></b>	<b>20,957</b>	<b>23,078</b>	<b>22,638</b>	<b>21,823</b>	<b>17,530</b>
<b>Net Interstate Trade</b> <sup>3</sup> .....	<b>-64,562</b>	<b>-90,453</b>	<b>-78,680</b>	<b>-78,775</b>	<b>-80,107</b>	<b>-91,577</b>	<b>-84,137</b>	<b>-78,937</b>
<b>Total Disposition</b> .....	<b>213,590</b>	<b>196,071</b>	<b>205,923</b>	<b>219,735</b>	<b>216,645</b>	<b>213,354</b>	<b>207,823</b>	<b>207,599</b>
<b>Net Trade Index (ratio)</b> <sup>4</sup> .....	<b>0.77</b>	<b>0.68</b>	<b>0.72</b>	<b>0.74</b>	<b>0.73</b>	<b>0.70</b>	<b>0.71</b>	<b>0.72</b>

<sup>1</sup> 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.

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

<sup>3</sup> Net Interstate Trade = Total Supply - (Total Electric Industry Retail Sales + Direct Use + Total International Exports (if applies) + Estimated Losses).

<sup>4</sup> Net Trade Index is the sum of Total Supply / (Total Disposition - Net Interstate Trade).

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. Beginning with publication year 2010, Total disposition has been reorganized to include Net Interstate Trade. Therefore, Total Disposition equals Total Supply.

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. 2010 Summary Statistics**

Item	Value	U.S. Rank
<b>Colorado</b>		
NERC Region(s).....		RFC/WECC
Primary Energy Source.....		Coal
Net Summer Capacity (megawatts) .....	13,777	30
Electric Utilities.....	9,114	28
Independent Power Producers & Combined Heat and Power.....	4,662	22
Net Generation (megawatthours).....	50,720,792	30
Electric Utilities.....	39,584,166	28
Independent Power Producers & Combined Heat and Power.....	11,136,626	31
Emissions (thousand metric tons) .....		
Sulfur Dioxide .....	45	29
Nitrogen Oxide .....	55	20
Carbon Dioxide.....	40,499	24
Sulfur Dioxide (lbs/MWh) .....	2.0	32
Nitrogen Oxide (lbs/MWh) .....	2.4	10
Carbon Dioxide (lbs/MWh).....	1,760	12
Total Retail Sales (megawatthours) .....	52,917,786	27
Full Service Provider Sales (megawatthours) .....	52,917,786	24
Direct Use (megawatthours) .....	43,359	46
Average Retail Price (cents/kWh).....	9.15	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, 2010**

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
<b>Colorado</b>			
1. Comanche .....	Coal	Public Service Co of Colorado	1,426
2. Craig .....	Coal	Tri-State G & T Assn, Inc	1,304
3. Fort St Vrain .....	Gas	Public Service Co of Colorado	969
4. Cherokee .....	Coal	Public Service Co of Colorado	717
5. Rawhide .....	Coal	Platte River Power Authority	666
6. Rocky Mountain Energy Center.....	Gas	Rocky Mountain Energy Ctr LLC	601
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, 2010**  
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
1. Public Service Co of Colorado .....	Investor-Owned	28,298,643	9,086,992	12,837,188	6,328,128	46,335
2. Colorado Springs City of .....	Public	4,508,375	1,476,921	1,102,215	1,929,239	-
3. Intermountain Rural Elec Assn .....	Cooperative	2,112,272	1,366,799	620,370	125,103	-
4. Black Hills/Colorado Elec.Utility Co. LP .....	Investor-Owned	1,815,919	628,551	839,694	347,674	-
5. Fort Collins City of .....	Public	1,442,741	494,038	500,597	448,106	-
Total Sales, Top Five Providers .....		38,177,950	13,053,301	15,900,064	9,178,250	46,335
Percent of Total State Sales .....		72	72	81	60	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, 2000 and 2004 Through 2010**  
(Megawatts)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Electric Utilities.....</b>	<b>7,269</b>	<b>7,954</b>	<b>7,955</b>	<b>8,034</b>	<b>8,008</b>	<b>8,142</b>	<b>8,454</b>	<b>9,114</b>	<b>86.6</b>	<b>66.2</b>
Coal.....	4,981	4,891	4,888	4,899	4,921	4,925	4,970	5,661	59.3	41.1
Petroleum.....	181	207	181	179	179	181	176	176	2.2	1.3
Natural Gas .....	917	1,662	1,684	1,752	1,704	1,832	2,105	2,078	10.9	15.1
Hydroelectric .....	614	601	610	609	610	610	610	606	7.3	4.4
Other Renewables <sup>1</sup> .....	15	30	31	32	31	31	31	31	0.2	0.2
Pumped Storage.....	563	563	563	563	563	563	563	563	6.7	4.1
<b>Independent Power Producers and Combined Heat and Power .....</b>	<b>1,124</b>	<b>3,131</b>	<b>3,131</b>	<b>3,123</b>	<b>4,280</b>	<b>4,404</b>	<b>4,584</b>	<b>4,662</b>	<b>13.4</b>	<b>33.8</b>
Coal.....	33	40	40	40	40	40	40	40	0.4	0.3
Petroleum.....	3	2	2	2	2	2	2	2	*	*
Natural Gas .....	1,047	2,840	2,840	2,771	3,132	3,248	3,252	3,247	12.5	23.6
Hydroelectric .....	30	42	42	42	55	56	56	56	0.4	0.4
Other Renewables <sup>1</sup> .....	11	207	207	267	1,050	1,057	1,234	1,317	0.1	9.6
<b>Total Electric Industry.....</b>	<b>8,393</b>	<b>11,085</b>	<b>11,086</b>	<b>11,156</b>	<b>12,288</b>	<b>12,545</b>	<b>13,038</b>	<b>13,777</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	5,014	4,931	4,928	4,939	4,961	4,965	5,010	5,702	59.7	41.4
Petroleum.....	184	210	183	181	182	184	178	178	2.2	1.3
Natural Gas .....	1,964	4,502	4,523	4,523	4,836	5,080	5,357	5,325	23.4	38.6
Hydroelectric .....	644	643	652	652	665	666	666	662	7.7	4.8
Other Renewables <sup>1</sup> .....	26	237	238	299	1,081	1,087	1,265	1,348	0.3	9.8
Pumped Storage.....	563	563	563	563	563	563	563	563	6.7	4.1

<sup>1</sup> Other Renewables includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

\* = 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, 2000 and 2004 Through 2010**  
(Megawatthours)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Colorado</b>										
<b>Electric Utilities.....</b>	<b>40,108,260</b>	<b>40,436,218</b>	<b>41,014,609</b>	<b>42,055,989</b>	<b>42,353,281</b>	<b>41,176,711</b>	<b>37,467,527</b>	<b>39,584,166</b>	<b>90.8</b>	<b>78.0</b>
Coal.....	35,101,982	35,570,358	35,285,966	36,003,331	35,722,617	34,639,561	31,454,143	34,386,818	79.5	67.8
Petroleum.....	91,320	11,797	15,464	17,646	14,748	18,092	12,583	17,424	0.2	*
Natural Gas.....	3,539,837	3,899,293	4,490,864	4,494,604	5,097,690	4,820,248	4,323,143	3,803,231	8.0	7.5
Other Gases <sup>1</sup> .....	-	1,753	2,430	2,519	1,911	-	-	-	-	-
Hydroelectric.....	1,329,946	1,076,897	1,283,074	1,676,432	1,625,544	1,877,868	1,726,853	1,430,172	3.0	2.8
Other Renewables <sup>2</sup> .....	-	67,921	58,874	61,959	58,831	70,050	59,463	67,314	-	0.1
Pumped Storage.....	45,175	-191,801	-122,063	-200,502	-168,061	-249,108	-108,658	-120,792	0.1	-0.2
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>4,057,286</b>	<b>7,433,274</b>	<b>8,602,085</b>	<b>8,642,364</b>	<b>11,554,211</b>	<b>12,264,883</b>	<b>13,098,425</b>	<b>11,136,626</b>	<b>9.2</b>	<b>22.0</b>
Coal.....	279,237	278,032	284,169	266,094	213,122	187,984	181,880	172,472	0.6	0.3
Petroleum.....	18,065	2,071	1,582	3,191	13,702	1,021	870	59	*	*
Natural Gas.....	3,617,601	6,848,203	7,432,426	7,424,035	9,916,211	8,667,226	9,516,882	7,259,044	8.2	14.3
Hydroelectric.....	124,469	117,768	132,222	114,775	103,989	161,459	158,871	148,092	0.3	0.3
Other Renewables <sup>2</sup> .....	17,914	187,200	751,687	834,269	1,265,998	3,214,401	3,186,510	3,487,219	*	6.9
Other <sup>3</sup> .....	-	-	-	-	41,190	32,791	53,411	69,741	-	0.1
<b>Total Electric Industry.....</b>	<b>44,165,546</b>	<b>47,869,492</b>	<b>49,616,694</b>	<b>50,698,353</b>	<b>53,907,492</b>	<b>53,441,594</b>	<b>50,565,952</b>	<b>50,720,792</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	35,381,219	35,848,390	35,570,135	36,269,425	35,935,739	34,827,545	31,636,023	34,559,290	80.1	68.1
Petroleum.....	109,385	13,868	17,046	20,837	28,450	19,113	13,453	17,482	0.2	*
Natural Gas.....	7,157,438	10,747,496	11,923,290	11,918,639	15,013,901	13,487,475	13,840,025	11,062,275	16.2	21.8
Other Gases <sup>1</sup> .....	-	1,753	2,430	2,519	1,911	-	-	-	-	-
Hydroelectric.....	1,454,415	1,194,665	1,415,296	1,791,207	1,729,533	2,039,327	1,885,724	1,578,264	3.3	3.1
Other Renewables <sup>2</sup> .....	17,914	255,121	810,561	896,228	1,324,829	3,284,451	3,245,973	3,554,533	*	7.0
Pumped Storage.....	45,175	-191,801	-122,063	-200,502	-168,061	-249,108	-108,658	-120,792	0.1	-0.2
Other <sup>3</sup> .....	-	-	-	-	41,190	32,791	53,411	69,741	-	0.1

<sup>1</sup> Other gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

<sup>2</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>3</sup> Other includes non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

\* = 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.

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

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, 2000 and 2004 Through 2010**

Fuel, Quality	2000	2004	2005	2006	2007	2008	2009	2010
<b>Colorado</b>								
Coal (cents per million Btu) .....	93	97	106	128	126	W	W	159
Average heat value (Btu per pound).....	9,797	9,824	9,876	9,802	9,726	9,811	9,810	9,617
Average sulfur Content (percent) .....	0.38	0.38	0.39	0.39	0.40	0.38	0.38	0.36
Petroleum (cents per million Btu) <sup>1</sup> .....	694	1,129	1,768	W	W	W	1,249	1,669
Average heat value (Btu per gallon).....	135,945	126,438	117,200	140,414	141,864	128,767	123,860	100,374
Average sulfur Content (percent) .....	0.25	0.08	0.03	0.51	0.08	0.13	0.15	0.48
Natural Gas (cents per million Btu).....	403	554	724	607	424	678	413	503
Average heat value (Btu per cubic foot).....	1,021	1,021	1,024	1,025	1,026	1,036	1,036	1,027

<sup>1</sup> 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, 2000 and 2004 Through 2010 (Thousand Metric Tons)**

Emission Type	2000	2004	2005	2006	2007	2008	2009	2010
<b>Colorado</b>								
<b>Sulfur Dioxide .....</b>								
Coal.....	82	59	58	59	59	55	43	45
Petroleum.....	*	*	*	*	*	*	*	*
Natural Gas .....	*	*	*	*	*	*	*	*
Total.....	82	59	58	59	59	55	43	45
<b>Nitrogen Oxide .....</b>								
Coal.....	65	61	63	60	60	57	48	49
Petroleum.....	2	*	*	*	*	*	*	*
Natural Gas .....	5	4	4	5	7	5	6	5
Other Gases.....	-	-	*	*	*	-	-	-
Other Renewables <sup>1</sup> .....	*	1	*	*	*	*	*	*
Total.....	74	67	67	66	67	63	54	55
<b>Carbon Dioxide .....</b>								
Coal.....	36,031	36,234	36,001	36,975	36,647	35,716	32,622	35,406
Petroleum.....	159	15	20	34	29	22	14	20
Natural Gas .....	3,897	4,931	5,375	5,416	6,895	5,922	6,353	5,073
Other Gases.....	-	1	1	1	1	-	-	-
Total.....	40,086	41,180	41,397	42,426	43,571	41,659	38,989	40,499

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, and other biomass.

\* = 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.

Note: CO2 emissions for the historical years 1998 - 2008 have been revised due to changes in emission factors.

Sources: Calculations made by the Electric Power Systems and Reliability Team; Office of Electricity, Renewables, and Uranium Statistics; U. S. Energy Information Administration.

**Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 2000 and 2004 Through 2010**

Sector	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Colorado</b>										
<b>Retail Sales (thousand megawatthours) .....</b>										
Residential .....	14,029	15,532	16,436	16,952	17,634	17,720	17,413	18,102	32.6	34.2
Commercial .....	17,989	19,498	19,846	20,153	20,508	20,551	20,008	19,597	41.8	37.0
Industrial .....	9,955	11,675	12,052	12,605	13,113	13,822	13,571	15,172	23.1	28.7
Other .....	1,047	NA	NA	NA	NA	NA	NA	NA	2.4	--
Transportation.....	NA	19	19	25	44	49	44	46	--	0.1
All Sectors .....	43,020	46,724	48,353	49,734	51,299	52,142	51,036	52,918	100.0	100.0
<b>Retail Revenue (million dollars).....</b>										
Residential .....	1,025	1,307	1,490	1,529	1,632	1,794	1,740	1,998	40.5	41.3
Commercial .....	998	1,343	1,512	1,512	1,562	1,762	1,631	1,790	39.5	37.0
Industrial .....	423	596	691	741	783	919	867	1,048	16.8	21.6
Other .....	81	NA	NA	NA	NA	NA	NA	NA	3.2	--
Transportation.....	NA	1	1	2	3	4	4	4	--	0.1
All Sectors .....	2,528	3,247	3,694	3,785	3,980	4,480	4,242	4,840	100.0	100.0
<b>Average Retail Prices (cents/kWh) .....</b>										
Residential .....	7.31	8.42	9.06	9.02	9.25	10.13	10.00	11.04	--	--
Commercial .....	5.55	6.89	7.62	7.50	7.62	8.57	8.15	9.13	--	--
Industrial .....	4.25	5.11	5.74	5.88	5.97	6.65	6.39	6.90	--	--
Other .....	7.77	NA	NA	NA	NA	NA	NA	NA	--	--
Transportation.....	NA	5.81	5.01	7.78	7.18	8.32	8.14	9.34	--	--
All Sectors .....	5.88	6.95	7.64	7.61	7.76	8.59	8.31	9.15	--	--

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, 2010**

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Number of Entities.....	2	29	1	28	5	NA	NA	65
Number of Retail Customers .....	1,459,688	426,634	17	607,297	5	NA	NA	2,493,641
Retail Sales (thousand megawatthours).....	30,115	8,791	108	13,703	201	NA	NA	52,918
Percentage of Retail Sales .....	56.91	16.61	0.20	25.89	0.38	--	--	100.00
Revenue from Retail Sales (million dollars) .....	2,797	676	3	1,346	18	NA	NA	4,840
Percentage of Revenue .....	57.79	13.97	0.06	27.81	0.37	--	--	100.00
Average Retail Price (cents/kWh).....	9.29	7.69	2.78	9.82	9.01	NA	NA	9.15

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Data are shown for All Sectors. Full Service Providers sell bundled electricity services (e.g., both energy and delivery) to end users. Full Service Providers may purchase electricity from others (such as independent Power Producers or other full service providers) prior to delivery. Other Providers sell either the energy or the delivery services, but not both. Sales volumes and customer counts shown for Other Providers refer to delivered electricity, which is a joint activity of both energy and delivery providers; for clarity, they are reported only in the Energy column in this table. The revenue shown under Other Providers represents the revenue realized from the sale of the energy and the delivery services distinctly. "Public" entities include municipalities, State power agencies, and municipal marketing authorities. Federal entities are either owned or financed by the Federal Government. "Cooperatives" are electric utilities legally established to be owned by and operated for the benefit of those using its services. The cooperative will generate, transmit and/or distribute supplies of electric energy to a specified area not being serviced by another utility. "Non-utility" sales represent direct electricity transactions from independent generators to end use consumers. Totals may not equal sum of components because of independent rounding.

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

**Table 10. Supply and Disposition of Electricity, 2000 and 2004 Through 2010**  
(Million Kilowatthours)

Category	2000	2004	2005	2006	2007	2008	2009	2010
<b>Colorado</b>								
<b>Supply</b> .....								
<b>Generation</b> .....								
Electric Utilities .....	40,108	40,436	41,015	42,056	42,353	41,177	37,468	39,584
Independent Power Producers .....	790	5,596	6,834	7,004	9,680	10,629	11,515	9,937
Combined Heat and Power, Electric .....	3,044	1,685	1,643	1,533	1,782	1,545	1,531	1,135
<b>Electric Power Sector Generation Subtotal</b> .....	<b>43,942</b>	<b>47,718</b>	<b>49,492</b>	<b>50,593</b>	<b>53,816</b>	<b>53,351</b>	<b>50,513</b>	<b>50,656</b>
Combined Heat and Power, Commercial .....	145	93	54	28	28	39	3	4
Combined Heat and Power, Industrial .....	79	59	70	78	64	52	50	61
<b>Industrial and Commercial Generation Subtotal</b> .....	<b>224</b>	<b>152</b>	<b>125</b>	<b>106</b>	<b>92</b>	<b>91</b>	<b>53</b>	<b>65</b>
<b>Total Net Generation</b> .....	<b>44,166</b>	<b>47,869</b>	<b>49,617</b>	<b>50,698</b>	<b>53,907</b>	<b>53,442</b>	<b>50,566</b>	<b>50,721</b>
<b>Total International Imports</b> .....	<b>11</b>	<b>37</b>	<b>6</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>-</b>	<b>*</b>
<b>Total Supply</b> .....	<b>44,177</b>	<b>47,907</b>	<b>49,623</b>	<b>50,700</b>	<b>53,909</b>	<b>53,443</b>	<b>50,566</b>	<b>50,721</b>
<b>Disposition</b> .....								
<b>Retail Sales</b> .....								
Full Service Providers .....	43,020	46,397	48,025	49,426	51,050	51,947	50,837	52,716
Facility Direct Retail Sales <sup>1</sup> .....	-	327	328	307	249	196	199	201
<b>Total Electric Industry Retail Sales</b> .....	<b>43,020</b>	<b>46,724</b>	<b>48,353</b>	<b>49,734</b>	<b>51,299</b>	<b>52,142</b>	<b>51,036</b>	<b>52,918</b>
<b>Direct Use</b> .....	<b>465</b>	<b>496</b>	<b>84</b>	<b>150</b>	<b>270</b>	<b>101</b>	<b>43</b>	<b>43</b>
<b>Total International Exports</b> .....	<b>-</b>	<b>-</b>	<b>*</b>	<b>-</b>	<b>2</b>	<b>3</b>	<b>*</b>	<b>3</b>
<b>Estimated Losses</b> .....	<b>3,062</b>	<b>3,851</b>	<b>4,395</b>	<b>4,345</b>	<b>3,096</b>	<b>4,566</b>	<b>4,302</b>	<b>4,059</b>
<b>Net Interstate Trade</b> <sup>2</sup> .....	<b>-2,370</b>	<b>-3,164</b>	<b>-3,209</b>	<b>-3,529</b>	<b>-759</b>	<b>-3,369</b>	<b>-4,815</b>	<b>-6,302</b>
<b>Total Disposition</b> .....	<b>44,177</b>	<b>47,907</b>	<b>49,623</b>	<b>50,700</b>	<b>53,909</b>	<b>53,443</b>	<b>50,566</b>	<b>50,721</b>
<b>Net Trade Index (ratio)</b> <sup>3</sup> .....	<b>0.95</b>	<b>0.94</b>	<b>0.94</b>	<b>0.93</b>	<b>0.99</b>	<b>0.94</b>	<b>0.91</b>	<b>0.89</b>

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

<sup>2</sup> Net Interstate Trade = Total Supply - (Total Electric Industry Retail Sales + Direct Use + Total International Exports (if applies) + Estimated Losses).

<sup>3</sup> Net Trade Index is the sum of Total Supply / (Total Disposition - Net Interstate Trade).

\* = 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. Beginning with publication year 2010, Total disposition has been reorganized to include Net Interstate Trade. Therefore, Total Disposition equals Total Supply.

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. 2010 Summary Statistics**

Item	Value	U.S. Rank
<b>Connecticut</b>		
NERC Region(s).....		NPCC
Primary Energy Source.....		Nuclear
<b>Net Summer Capacity (megawatts) .....</b>	<b>8,284</b>	<b>35</b>
Electric Utilities.....	160	46
Independent Power Producers & Combined Heat and Power.....	8,124	15
<b>Net Generation (megawatthours).....</b>	<b>33,349,623</b>	<b>40</b>
Electric Utilities.....	65,570	45
Independent Power Producers & Combined Heat and Power.....	33,284,053	11
<b>Emissions (thousand metric tons) .....</b>		
Sulfur Dioxide .....	2	48
Nitrogen Oxide.....	7	45
Carbon Dioxide.....	9,201	41
Sulfur Dioxide (lbs/MWh) .....	0.1	48
Nitrogen Oxide (lbs/MWh) .....	0.5	49
Carbon Dioxide (lbs/MWh).....	608	45
<b>Total Retail Sales (megawatthours) .....</b>	<b>30,391,766</b>	<b>35</b>
Full Service Provider Sales (megawatthours) .....	13,714,958	40
Energy-Only Provider Sales (megawatthours).....	16,676,808	9
<b>Direct Use (megawatthours) .....</b>	<b>611,350</b>	<b>29</b>
<b>Average Retail Price (cents/kWh).....</b>	<b>17.39</b>	<b>2</b>

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, 2010**

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
<b>Connecticut</b>			
1. Millstone .....	Nuclear	Dominion Nuclear Conn Inc	2,103
2. Middletown.....	Gas	Middletown Power LLC	770
3. Lake Road Generating Plant.....	Gas	Lake Road Generating Co LP	745
4. Bridgeport Harbor.....	Coal	PSEG Power Connecticut LLC	532
5. Milford Power Project .....	Gas	Milford Power Co LLC	507
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. GenConn Devon LLC.....	Petroleum	GenConn Devon LLC	194

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, 2010**  
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
<b>Connecticut</b>						
1. Connecticut Light & Power Co.....	Investor-Owned	9,638,612	7,191,790	2,053,659	273,607	119,556
2. Constellation NewEnergy, Inc.....	Other Provider	3,680,529	-	2,516,320	1,164,209	-
3. United Illuminating Co.....	Investor-Owned	2,085,144	1,509,061	534,962	41,121	-
4. TransCanada Power Mktg Ltd.....	Other Provider	1,513,011	-	-	1,513,011	-
5. Sempra Energy Solutions.....	Other Provider	1,191,559	-	954,652	236,907	-
Total Sales, Top Five Providers.....		18,108,855	8,700,851	6,059,593	3,228,855	119,556
Percent of Total State Sales.....		60	67	45	87	64

- (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, 2000 and 2004 Through 2010**  
(Megawatts)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Connecticut</b>										
<b>Electric Utilities.....</b>	<b>2,204</b>	<b>174</b>	<b>25</b>	<b>37</b>	<b>111</b>	<b>111</b>	<b>111</b>	<b>160</b>	<b>34.2</b>	<b>1.9</b>
Petroleum.....	176	165	16	28	30	30	30	76	2.7	0.9
Natural Gas.....	-	-	-	-	71	71	71	75	-	0.9
Nuclear.....	2,017	-	-	-	-	-	-	-	31.3	-
Hydroelectric.....	10	9	9	9	9	9	9	9	0.2	0.1
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>4,243</b>	<b>7,755</b>	<b>7,937</b>	<b>7,845</b>	<b>7,614</b>	<b>7,713</b>	<b>7,917</b>	<b>8,124</b>	<b>65.8</b>	<b>98.1</b>
Coal.....	548	553	555	551	551	553	564	564	8.5	6.8
Petroleum.....	2,298	2,696	2,973	2,898	2,679	2,711	2,719	2,913	35.6	35.2
Natural Gas.....	1,015	2,134	2,037	2,020	2,029	2,100	2,197	2,217	15.7	26.8
Nuclear.....	-	2,037	2,037	2,037	2,022	2,015	2,103	2,103	-	25.4
Hydroelectric.....	132	137	137	138	113	113	113	113	2.0	1.4
Other Renewables <sup>1</sup> .....	244	166	166	170	163	166	166	159	3.8	1.9
Pumped Storage.....	7	4	4	4	29	29	29	29	0.1	0.4
Other <sup>2</sup> .....	-	27	27	27	27	27	27	27	-	0.3
<b>Total Electric Industry.....</b>	<b>6,447</b>	<b>7,929</b>	<b>7,962</b>	<b>7,882</b>	<b>7,725</b>	<b>7,824</b>	<b>8,028</b>	<b>8,284</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	548	553	555	551	551	553	564	564	8.5	6.8
Petroleum.....	2,474	2,862	2,989	2,926	2,709	2,741	2,749	2,989	38.4	36.1
Natural Gas.....	1,015	2,134	2,037	2,020	2,100	2,171	2,268	2,292	15.7	27.7
Nuclear.....	2,017	2,037	2,037	2,037	2,022	2,015	2,103	2,103	31.3	25.4
Hydroelectric.....	142	146	146	147	122	122	122	122	2.2	1.5
Other Renewables <sup>1</sup> .....	244	166	166	170	163	166	166	159	3.8	1.9
Pumped Storage.....	7	4	4	4	29	29	29	29	0.1	0.4
Other <sup>2</sup> .....	-	27	27	27	27	27	27	27	-	0.3

<sup>1</sup> Other Renewables includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>2</sup> Other includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

- (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, 2000 and 2004 Through 2010**  
(Megawatthours)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Connecticut</b>										
<b>Electric Utilities.....</b>	<b>16,992,594</b>	<b>45,095</b>	<b>41,709</b>	<b>47,612</b>	<b>37,217</b>	<b>52,334</b>	<b>47,137</b>	<b>65,570</b>	<b>51.5</b>	<b>0.2</b>
Petroleum.....	7,726	9,253	695	1,282	3,325	2,597	2,465	2,604	*	*
Natural Gas.....	-	-	-	-	5,919	3,418	2,484	30,728	-	0.1
Nuclear.....	16,365,334	-	-	-	-	-	-	-	49.6	-
Hydroelectric.....	146,980	35,842	41,014	46,330	27,974	46,319	42,188	32,238	0.4	0.1
Other Renewables <sup>1</sup> .....	476,922	-	-	-	-	-	-	-	1.4	-
Pumped Storage.....	-4,368	-	-	-	-	-	-	-	*	-
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>15,974,976</b>	<b>32,588,313</b>	<b>33,508,038</b>	<b>34,634,124</b>	<b>33,133,992</b>	<b>30,357,138</b>	<b>31,159,085</b>	<b>33,284,053</b>	<b>48.5</b>	<b>99.8</b>
Coal.....	3,186,096	4,255,072	3,996,492	4,281,516	3,738,723	4,386,608	2,453,497	2,604,399	9.7	7.8
Petroleum.....	6,671,306	1,730,859	3,155,147	1,277,552	1,307,934	511,253	296,412	406,328	20.2	1.2
Natural Gas.....	4,062,029	8,107,806	8,863,892	10,484,481	9,923,641	8,066,434	9,806,867	11,684,944	12.3	35.0
Other Gases <sup>2</sup> .....	-	-	1,566	1,647	2,196	-	-	13,936	-	*
Nuclear.....	-	16,539,097	15,562,122	16,589,446	16,386,142	15,432,946	16,657,382	16,750,304	-	50.2
Hydroelectric.....	379,332	426,770	437,185	497,562	335,287	509,858	467,358	358,429	1.2	1.1
Other Renewables <sup>1</sup> .....	1,676,213	757,819	753,335	763,320	729,839	733,514	758,730	739,660	5.1	2.2
Pumped Storage.....	-	7,715	-1,653	-	-15,355	6,791	5,385	9,492	-	*
Other <sup>3</sup> .....	-	763,174	739,952	738,600	725,586	709,734	713,453	716,561	-	2.1
<b>Total Electric Industry.....</b>	<b>32,967,570</b>	<b>32,633,408</b>	<b>33,549,747</b>	<b>34,681,736</b>	<b>33,171,209</b>	<b>30,409,473</b>	<b>31,206,222</b>	<b>33,349,623</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	3,186,096	4,255,072	3,996,492	4,281,516	3,738,723	4,386,608	2,453,497	2,604,399	9.7	7.8
Petroleum.....	6,679,032	1,740,112	3,155,842	1,278,834	1,311,259	513,850	298,878	408,932	20.3	1.2
Natural Gas.....	4,062,029	8,107,806	8,863,892	10,484,481	9,929,559	8,069,852	9,809,351	11,715,672	12.3	35.1
Other Gases <sup>2</sup> .....	-	-	1,566	1,647	2,196	-	-	13,936	-	*
Nuclear.....	16,365,334	16,539,097	15,562,122	16,589,446	16,386,142	15,432,946	16,657,382	16,750,304	49.6	50.2
Hydroelectric.....	526,312	462,612	478,199	543,892	363,261	556,177	509,546	390,667	1.6	1.2
Other Renewables <sup>1</sup> .....	2,153,135	757,819	753,335	763,320	729,839	733,514	758,730	739,660	6.5	2.2
Pumped Storage.....	-4,368	7,715	-1,653	-	-15,355	6,791	5,385	9,492	*	*
Other <sup>3</sup> .....	-	763,174	739,952	738,600	725,586	709,734	713,453	716,561	-	2.1

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>2</sup> Other gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

<sup>3</sup> Other includes non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

\* = 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.

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

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, 2000 and 2004 Through 2010**

Fuel, Quality	2000	2004	2005	2006	2007	2008	2009	2010
<b>Connecticut</b>								
Coal (cents per million Btu) .....	-	W	W	W	W	W	W	375
Average heat value (Btu per pound).....	-	10,423	10,139	10,056	10,286	10,215	11,038	10,706
Average sulfur Content (percent) .....	-	0.54	0.44	0.51	0.42	0.39	0.67	0.58
Petroleum (cents per million Btu) <sup>1</sup> .....	-	568	836	850	971	1,744	860	1,453
Average heat value (Btu per gallon).....	-	147,602	148,190	148,805	147,962	148,602	146,500	146,131
Average sulfur Content (percent) .....	-	0.34	0.28	0.25	0.27	0.30	0.49	0.31
Natural Gas (cents per million Btu).....	-	W	922	733	773	1,033	485	559
Average heat value (Btu per cubic foot).....	-	1,008	1,010	1,009	1,011	1,012	1,015	1,017

<sup>1</sup> 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, 2000 and 2004 Through 2010 (Thousand Metric Tons)**

Emission Type	2000	2004	2005	2006	2007	2008	2009	2010
<b>Connecticut</b>								
<b>Sulfur Dioxide .....</b>								
Coal.....	19	3	3	3	2	3	1	1
Petroleum.....	26	4	5	3	3	1	*	1
Natural Gas .....	*	*	*	*	*	*	*	*
Other <sup>1</sup> .....	6	*	*	*	*	*	*	*
Total .....	52	7	8	5	5	4	2	2
<b>Nitrogen Oxide .....</b>								
Coal.....	3	2	2	2	2	2	1	1
Petroleum.....	6	2	3	2	2	1	*	1
Natural Gas .....	4	1	1	1	1	1	1	1
Other Gases.....	-	-	-	-	-	-	-	*
Other Renewables <sup>2</sup> .....	*	*	*	*	*	*	*	*
Other <sup>1</sup> .....	6	4	4	4	4	3	4	3
Total .....	19	9	11	9	8	7	6	7
<b>Carbon Dioxide .....</b>								
Coal.....	3,371	4,200	4,015	4,371	3,811	4,326	2,489	2,729
Petroleum.....	5,859	1,685	2,898	1,257	1,225	504	301	410
Natural Gas .....	2,241	3,321	3,553	4,363	4,265	3,485	4,120	4,904
Other Gases.....	-	-	2	2	2	-	-	14
Other Renewables <sup>2</sup> .....	-	-	-	-	-	-	-	536
Other <sup>1</sup> .....	1,181	1,200	1,194	1,176	1,160	1,136	1,135	608
Total .....	12,652	10,406	11,661	11,169	10,463	9,451	8,046	9,201

<sup>1</sup> Other includes non-biogenic municipal solid waste, tire-derived fuels, and miscellaneous technologies.

<sup>2</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, and other biomass.

\* = 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.

Note: CO2 emissions for the historical years 1998 - 2008 have been revised due to changes in emission factors.

Sources: Calculations made by the Electric Power Systems and Reliability Team; Office of Electricity, Renewables, and Uranium Statistics; U. S. Energy Information Administration.

**Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 2000 and 2004 Through 2010**

Sector	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Connecticut</b>										
<b>Retail Sales (thousand megawatthours) .....</b>										
Residential .....	11,645	13,211	13,803	12,963	13,372	12,730	12,578	13,065	38.9	43.0
Commercial .....	11,932	13,455	13,949	13,611	15,126	13,665	13,257	13,428	39.8	44.2
Industrial .....	5,811	5,358	5,153	4,926	5,433	4,371	3,692	3,713	19.4	12.2
Other .....	564	NA	NA	NA	NA	NA	NA	NA	1.9	--
Transportation.....	NA	190	190	177	198	190	188	186	--	0.6
All Sectors .....	29,952	32,215	33,095	31,677	34,129	30,957	29,716	30,392	100.0	100.0
<b>Retail Revenue (million dollars).....</b>										
Residential .....	1,264	1,537	1,883	2,185	2,556	2,488	2,557	2,516	44.3	47.6
Commercial .....	1,106	1,332	1,608	1,909	2,328	2,339	2,235	2,208	38.8	41.8
Industrial .....	425	423	484	577	702	653	551	538	14.9	10.2
Other .....	57	NA	NA	NA	NA	NA	NA	NA	2.0	--
Transportation.....	NA	14	17	26	28	28	23	21	--	0.4
All Sectors .....	2,852	3,305	3,992	4,697	5,613	5,508	5,366	5,284	100.0	100.0
<b>Average Retail Prices (cents/kWh) .....</b>										
Residential .....	10.86	11.63	13.64	16.86	19.11	19.55	20.33	19.25	--	--
Commercial .....	9.27	9.90	11.53	14.03	15.39	17.12	16.86	16.45	--	--
Industrial .....	7.32	7.89	9.40	11.71	12.92	14.93	14.92	14.50	--	--
Other .....	10.06	NA	NA	NA	NA	NA	NA	NA	--	--
Transportation.....	NA	7.25	8.78	14.55	14.18	14.69	11.96	11.46	--	--
All Sectors .....	9.52	10.26	12.06	14.83	16.45	17.79	18.06	17.39	--	--

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, 2010**

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
<b>Connecticut</b>								
Number of Entities.....	2	8	NA	NA	1	21	2	34
Number of Retail Customers .....	1,101,295	72,724	NA	NA	1	436,610	NA	1,610,630
Retail Sales (thousand megawatthours).....	11,724	1,952	NA	NA	39	16,677	NA	30,392
Percentage of Retail Sales .....	38.58	6.42	--	--	0.13	54.87	--	100.00
Revenue from Retail Sales (million dollars) .....	2,229	256	NA	NA	4	1,691	1,103	5,284
Percentage of Revenue .....	42.18	4.85	--	--	0.08	32.01	20.88	100.00
Average Retail Price (cents/kWh).....	19.01	13.12	NA	NA	10.80	10.14	6.62	17.39

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Data are shown for All Sectors. Full Service Providers sell bundled electricity services (e.g., both energy and delivery) to end users. Full Service Providers may purchase electricity from others (such as independent Power Producers or other full service providers) prior to delivery. Other Providers sell either the energy or the delivery services, but not both. Sales volumes and customer counts shown for Other Providers refer to delivered electricity, which is a joint activity of both energy and delivery providers; for clarity, they are reported only in the Energy column in this table. The revenue shown under Other Providers represents the revenue realized from the sale of the energy and the delivery services distinctly. "Public" entities include municipalities, State power agencies, and municipal marketing authorities. Federal entities are either owned or financed by the Federal Government. "Cooperatives" are electric utilities legally established to be owned by and operated for the benefit of those using its services. The cooperative will generate, transmit and/or distribute supplies of electric energy to a specified area not being serviced by another utility. "Non-utility" sales represent direct electricity transactions from independent generators to end use consumers. Totals may not equal sum of components because of independent rounding.

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

**Table 10. Supply and Disposition of Electricity, 2000 and 2004 Through 2010**  
(Million Kilowatthours)

Category	2000	2004	2005	2006	2007	2008	2009	2010
<b>Connecticut</b>								
<b>Supply</b> .....								
<b>Generation</b> .....								
Electric Utilities .....	16,993	45	42	48	37	52	47	66
Independent Power Producers .....	13,223	30,345	31,564	32,431	31,087	28,138	28,959	31,185
Combined Heat and Power, Electric .....	2,401	1,966	1,697	1,874	1,831	1,956	1,874	1,724
<b>Electric Power Sector Generation Subtotal</b> .....	<b>32,617</b>	<b>32,356</b>	<b>33,303</b>	<b>34,352</b>	<b>32,956</b>	<b>30,147</b>	<b>30,880</b>	<b>32,974</b>
Combined Heat and Power, Commercial .....	47	43	40	38	44	44	47	70
Combined Heat and Power, Industrial.....	304	235	207	291	172	218	279	306
<b>Industrial and Commercial Generation Subtotal</b> .....	<b>350</b>	<b>278</b>	<b>247</b>	<b>330</b>	<b>216</b>	<b>262</b>	<b>326</b>	<b>376</b>
<b>Total Net Generation</b> .....	<b>32,968</b>	<b>32,633</b>	<b>33,550</b>	<b>34,682</b>	<b>33,171</b>	<b>30,409</b>	<b>31,206</b>	<b>33,350</b>
<b>Total International Imports</b> .....	<b>1,947</b>	<b>1,061</b>	<b>1,338</b>	<b>1,346</b>	<b>1,832</b>	<b>2,161</b>	<b>2,567</b>	<b>1,949</b>
<b>Total Supply</b> .....	<b>34,915</b>	<b>33,695</b>	<b>34,888</b>	<b>36,028</b>	<b>35,003</b>	<b>32,571</b>	<b>33,773</b>	<b>35,298</b>
<b>Disposition</b> .....								
<b>Retail Sales</b> .....								
Full Service Providers .....	29,952	31,470	32,355	30,114	24,075	19,192	16,661	13,676
Energy-Only Providers.....	-	744	740	1,529	10,015	11,724	13,016	16,677
Facility Direct Retail Sales <sup>1</sup> .....	-	-	-	34	40	40	39	39
<b>Total Electric Industry Retail Sales</b> .....	<b>29,952</b>	<b>32,215</b>	<b>33,095</b>	<b>31,677</b>	<b>34,129</b>	<b>30,957</b>	<b>29,716</b>	<b>30,392</b>
<b>Direct Use</b> .....	<b>3,280</b>	<b>1,541</b>	<b>225</b>	<b>302</b>	<b>506</b>	<b>493</b>	<b>554</b>	<b>611</b>
<b>Total International Exports</b> .....	<b>362</b>	<b>66</b>	<b>174</b>	<b>181</b>	<b>332</b>	<b>171</b>	<b>166</b>	<b>168</b>
<b>Estimated Losses</b> .....	<b>2,132</b>	<b>1,441</b>	<b>1,581</b>	<b>1,989</b>	<b>2,323</b>	<b>2,869</b>	<b>1,703</b>	<b>1,135</b>
<b>Net Interstate Trade</b> <sup>2</sup> .....	<b>-812</b>	<b>-1,568</b>	<b>-187<sup>R</sup></b>	<b>1,879</b>	<b>-2,287</b>	<b>-1,919</b>	<b>1,635</b>	<b>2,992</b>
<b>Total Disposition</b> .....	<b>34,915</b>	<b>33,695</b>	<b>34,888</b>	<b>36,028</b>	<b>35,003</b>	<b>32,571</b>	<b>33,773</b>	<b>35,298</b>
<b>Net Trade Index (ratio)</b> <sup>3</sup> .....	<b>0.98</b>	<b>0.96</b>	<b>0.99</b>	<b>1.06</b>	<b>0.94</b>	<b>0.94</b>	<b>1.05</b>	<b>1.09</b>

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

<sup>2</sup> Net Interstate Trade = Total Supply - (Total Electric Industry Retail Sales + Direct Use + Total International Exports (if applies) + Estimated Losses).

<sup>3</sup> Net Trade Index is the sum of Total Supply / (Total Disposition - Net Interstate Trade).

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. Beginning with publication year 2010, Total disposition has been reorganized to include Net Interstate Trade. Therefore, Total Disposition equals Total Supply.

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. 2010 Summary Statistics**

Item	Value	U.S. Rank
<b>Delaware</b>		
NERC Region(s).....		<b>RFC</b>
Primary Energy Source.....		<b>Gas</b>
<b>Net Summer Capacity (megawatts) .....</b>	<b>3,389</b>	<b>46</b>
Electric Utilities.....	55	48
Independent Power Producers & Combined Heat and Power.....	3,334	29
<b>Net Generation (megawatthours).....</b>	<b>5,627,645</b>	<b>50</b>
Electric Utilities.....	30,059	46
Independent Power Producers & Combined Heat and Power.....	5,597,586	36
<b>Emissions (thousand metric tons) .....</b>		
Sulfur Dioxide .....	13	41
Nitrogen Oxide .....	5	47
Carbon Dioxide.....	4,187	45
Sulfur Dioxide (lbs/MWh) .....	5.2	7
Nitrogen Oxide (lbs/MWh) .....	1.9	16
Carbon Dioxide (lbs/MWh).....	1,640	15
<b>Total Retail Sales (megawatthours) .....</b>	<b>11,605,932</b>	<b>44</b>
Full Service Provider Sales (megawatthours) .....	7,582,539	46
Energy-Only Provider Sales (megawatthours).....	4,023,393	13
<b>Direct Use (megawatthours) .....</b>	<b>2,042</b>	<b>48</b>
<b>Average Retail Price (cents/kWh).....</b>	<b>11.97</b>	<b>14</b>

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, 2010**

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
<b>Delaware</b>			
1. Hay Road .....	Gas	Calpine Mid-Atlantic Generation LLC	1,130
2. Indian River Operations .....	Coal	Indian River Operations Inc	795
3. Edge Moor .....	Gas	Calpine Mid-Atlantic Generation LLC	723
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	Calpine Mid-Atlantic Generation LLC	45
9. Van Sant Station .....	Gas	NAES Corporation	39

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, 2010**  
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
<b>Delaware</b>						
1. Delmarva Power .....	Investor-Owned	4,450,617	3,054,492	1,065,773	330,352	-
2. Delaware Electric Cooperative.....	Cooperative	1,262,460	1,033,025	229,435	-	-
3. Constellation NewEnergy, Inc.....	Other Provider	874,390	-	638,164	236,226	-
4. Washington Gas Energy Services .....	Other Provider	831,751	70,120	761,631	-	-
5. Dover City of.....	Public	733,429	207,552	244,981	280,896	-
Total Sales, Top Five Providers .....		8,152,647	4,365,189	2,939,984	847,474	-
Percent of Total State Sales .....		70	92	68	34	-

- (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, 2000 and 2004 Through 2010**  
(Megawatts)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Delaware</b>										
<b>Electric Utilities.....</b>	<b>985</b>	<b>58</b>	<b>194</b>	<b>58</b>	<b>56</b>	<b>55</b>	<b>55</b>	<b>55</b>	<b>40.8</b>	<b>1.6</b>
Coal.....	767	-	-	-	-	-	-	-	31.8	-
Petroleum.....	218	9	145	9	7	7	7	7	9.0	0.2
Natural Gas .....	-	49	49	49	49	48	48	48	-	1.4
<b>Independent Power Producers and Combined Heat and Power .....</b>	<b>1,430</b>	<b>3,371</b>	<b>3,171</b>	<b>3,316</b>	<b>3,301</b>	<b>3,296</b>	<b>3,307</b>	<b>3,334</b>	<b>59.2</b>	<b>98.4</b>
Coal.....	260	1,070	1,083	1,083	1,083	1,083	1,074	1,054	10.8	31.1
Petroleum.....	530	686	550	686	691	550	550	556	22.0	16.4
Natural Gas .....	356	1,308	1,231	1,233	1,213	1,349	1,369	1,407	14.7	41.5
Other Gases <sup>1</sup> .....	283	307	307	307	307	307	307	307	11.7	9.1
Other Renewables <sup>2</sup> .....	-	-	-	7	7	7	7	10	-	0.3
<b>Total Electric Industry.....</b>	<b>2,414</b>	<b>3,428</b>	<b>3,365</b>	<b>3,374</b>	<b>3,357</b>	<b>3,351</b>	<b>3,362</b>	<b>3,389</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	1,027	1,070	1,083	1,083	1,083	1,083	1,074	1,054	42.6	31.1
Petroleum.....	748	695	695	695	698	557	557	563	31.0	16.6
Natural Gas .....	356	1,357	1,280	1,282	1,262	1,397	1,417	1,455	14.7	42.9
Other Gases <sup>1</sup> .....	283	307	307	307	307	307	307	307	11.7	9.1
Other Renewables <sup>2</sup> .....	-	-	-	7	7	7	7	10	-	0.3

<sup>1</sup> Other gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

<sup>2</sup> Other Renewables includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

- (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, 2000 and 2004 Through 2010**  
(Megawatthours)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Delaware</b>										
<b>Electric Utilities.....</b>	<b>4,137,127</b>	<b>23,751</b>	<b>25,989</b>	<b>16,558</b>	<b>47,830</b>	<b>19,068</b>	<b>12,768</b>	<b>30,059</b>	<b>69.1</b>	<b>0.5</b>
Coal.....	3,319,195	-	-	-	-	-	-	-	55.4	-
Petroleum.....	398,100	10,083	6,442	113	4,132	512	457	843	6.6	*
Natural Gas.....	419,832	13,668	19,547	16,445	43,698	18,556	12,311	29,216	7.0	0.5
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>1,850,324</b>	<b>7,831,802</b>	<b>8,110,579</b>	<b>7,165,621</b>	<b>8,486,333</b>	<b>7,504,771</b>	<b>4,828,795</b>	<b>5,597,586</b>	<b>30.9</b>	<b>99.5</b>
Coal.....	793,101	4,743,835	4,832,844	4,968,812	5,621,823	5,266,915	2,848,171	2,568,370	13.2	45.6
Petroleum.....	450,940	1,093,495	1,213,797	131,802	237,004	218,665	257,909	55,252	7.5	1.0
Natural Gas.....	420,676	1,704,751	1,571,270	1,154,323	1,858,286	1,368,453	1,364,090	2,835,767	7.0	50.4
Other Gases <sup>1</sup> .....	166,769	289,720	492,668	910,268	721,105	476,422	227,137	-	2.8	-
Other Renewables <sup>2</sup> .....	18,838	-	-	417	48,116	163,375	125,611	138,197	0.3	2.5
Other <sup>3</sup> .....	-	-	-	-	-	10,941	5,877	-	-	-
<b>Total Electric Industry.....</b>	<b>5,987,451</b>	<b>7,855,553</b>	<b>8,136,568</b>	<b>7,182,179</b>	<b>8,534,163</b>	<b>7,523,839</b>	<b>4,841,563</b>	<b>5,627,645</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	4,112,296	4,743,835	4,832,844	4,968,812	5,621,823	5,266,915	2,848,171	2,568,370	68.7	45.6
Petroleum.....	849,040	1,103,578	1,220,239	131,915	241,136	219,177	258,366	56,095	14.2	1.0
Natural Gas.....	840,508	1,718,419	1,590,817	1,170,768	1,901,984	1,387,009	1,376,401	2,864,983	14.0	50.9
Other Gases <sup>1</sup> .....	166,769	289,720	492,668	910,268	721,105	476,422	227,137	-	2.8	-
Other Renewables <sup>2</sup> .....	18,838	-	-	417	48,116	163,375	125,611	138,197	0.3	2.5
Other <sup>3</sup> .....	-	-	-	-	-	10,941	5,877	-	-	-

<sup>1</sup> Other gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

<sup>2</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>3</sup> Other includes non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

\* = 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.

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

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, 2000 and 2004 Through 2010**

Fuel, Quality	2000	2004	2005	2006	2007	2008	2009	2010
<b>Delaware</b>								
Coal (cents per million Btu) .....	152	W	W	W	W	W	W	355
Average heat value (Btu per pound).....	12,995	12,530	12,222	12,401	12,524	12,452	12,567	12,550
Average sulfur Content (percent) .....	1.01	0.83	0.67	0.74	0.73	0.74	0.80	0.77
Petroleum (cents per million Btu) <sup>1</sup> .....	446	611	863	1,351	1,304	1,811	1,120	1,624
Average heat value (Btu per gallon).....	150,486	146,312	147,248	139,117	144,114	143,781	137,938	136,498
Average sulfur Content (percent) .....	0.52	0.39	0.46	0.06	0.30	0.33	0.04	0.16
Natural Gas (cents per million Btu).....	488	W	W	W	W	W	W	498
Average heat value (Btu per cubic foot).....	1,008	1,036	1,037	1,037	1,088	1,035	1,026	1,021

<sup>1</sup> 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, 2000 and 2004 Through 2010 (Thousand Metric Tons)**

Emission Type	2000	2004	2005	2006	2007	2008	2009	2010
<b>Delaware</b>								
<b>Sulfur Dioxide .....</b>								
Coal.....	34	33	29	28	32	32	16	13
Petroleum.....	4	2	2	2	2	*	*	*
Natural Gas .....	-	-	*	*	*	*	*	*
Other Gases.....	*	*	*	*	*	*	*	-
Other Renewables <sup>1</sup> .....	-	*	*	*	*	*	-	-
Total.....	38	35	31	30	34	32	16	13
<b>Nitrogen Oxide .....</b>								
Coal.....	9	8	9	8	9	8	4	4
Petroleum.....	2	2	2	1	1	*	*	*
Natural Gas .....	*	1	1	*	1	*	*	1
Other Gases.....	1	2	2	2	2	2	1	-
Other Renewables <sup>1</sup> .....	-	*	*	*	1	1	1	1
Other <sup>2</sup> .....	-	-	*	*	*	*	*	-
Total.....	12	13	14	11	13	11	6	5
<b>Carbon Dioxide .....</b>								
Coal.....	4,389	4,991	5,294	5,282	5,950	5,674	3,163	2,821
Petroleum.....	1,239	789	865	138	245	209	304	44
Natural Gas .....	452	814	719	529	1,103	714	676	1,322
Total.....	6,080	6,594	6,878	5,949	7,299	6,597	4,143	4,187

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, and other biomass.

<sup>2</sup> Other includes non-biogenic municipal solid waste, tire-derived fuels, and miscellaneous technologies.

\* = 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.

Note: CO2 emissions for the historical years 1998 - 2008 have been revised due to changes in emission factors.

Sources: Calculations made by the Electric Power Systems and Reliability Team; Office of Electricity, Renewables, and Uranium Statistics; U. S. Energy Information Administration.

**Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 2000 and 2004 Through 2010**

Sector	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Delaware</b>										
<b>Retail Sales (thousand megawatthours) .....</b>										
Residential .....	3,575	4,305	4,594	4,259	4,470	4,428	4,335	4,760	31.7	41.0
Commercial .....	4,050	4,033	4,238	4,196	4,321	4,339	4,185	4,320	35.9	37.2
Industrial .....	3,601	3,423	3,305	3,100	3,078	2,982	2,738	2,526	31.9	21.8
Other .....	49	NA	NA	NA	NA	NA	NA	NA	0.4	--
All Sectors .....	11,274	11,761	12,137	11,555	11,869	11,749	11,258	11,606	100.0	100.0
<b>Retail Revenue (million dollars) .....</b>										
Residential .....	305	378	414	505	588	617	610	657	44.6	47.3
Commercial .....	239	300	322	429	484	523	501	491	34.8	35.3
Industrial .....	134	207	205	238	275	312	256	242	19.6	17.4
Other .....	7	NA	NA	NA	NA	NA	NA	NA	1.0	--
All Sectors .....	685	885	941	1,171	1,347	1,452	1,367	1,390	100.0	100.0
<b>Average Retail Prices (cents/kWh) .....</b>										
Residential .....	8.54	8.78	9.01	11.85	13.16	13.93	14.07	13.80	--	--
Commercial .....	5.89	7.44	7.60	10.21	11.21	12.07	11.98	11.36	--	--
Industrial .....	3.73	6.06	6.21	7.67	8.93	10.45	9.34	9.57	--	--
Other .....	14.19	NA	NA	NA	NA	NA	NA	NA	--	--
All Sectors .....	6.08	7.53	7.76	10.13	11.35	12.36	12.14	11.97	--	--

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, 2010**

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
<b>Delaware</b>								
Number of Entities .....	1	9	NA	1	NA	16	1	28
Number of Retail Customers .....	287,770	65,078	NA	82,003	NA	12,490	NA	447,341
Retail Sales (thousand megawatthours) .....	4,451	1,869	NA	1,262	NA	4,023	NA	11,606
Percentage of Retail Sales .....	38.35	16.11	--	10.88	--	34.67	--	100.00
Revenue from Retail Sales (million dollars) .....	605	260	NA	139	NA	345	40	1,390
Percentage of Revenue .....	43.53	18.74	--	10.04	--	24.81	2.89	100.00
Average Retail Price (cents/kWh) .....	13.59	13.93	NA	11.05	NA	8.57	1.00	11.97

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Data are shown for All Sectors. Full Service Providers sell bundled electricity services (e.g., both energy and delivery) to end users. Full Service Providers may purchase electricity from others (such as independent Power Producers or other full service providers) prior to delivery. Other Providers sell either the energy or the delivery services, but not both. Sales volumes and customer counts shown for Other Providers refer to delivered electricity, which is a joint activity of both energy and delivery providers; for clarity, they are reported only in the Energy column in this table. The revenue shown under Other Providers represents the revenue realized from the sale of the energy and the delivery services distinctly. "Public" entities include municipalities, State power agencies, and municipal marketing authorities. Federal entities are either owned or financed by the Federal Government. "Cooperatives" are electric utilities legally established to be owned by and operated for the benefit of those using its services. The cooperative will generate, transmit and/or distribute supplies of electric energy to a specified area not being serviced by another utility. "Non-utility" sales represent direct electricity transactions from independent generators to end use consumers. Totals may not equal sum of components because of independent rounding.

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

**Table 10. Supply and Disposition of Electricity, 2000 and 2004 Through 2010**  
(Million Kilowatthours)

Category	2000	2004	2005	2006	2007	2008	2009	2010
<b>Delaware</b>								
<b>Supply</b> .....								
<b>Generation</b> .....								
Electric Utilities .....	4,137	24	26	17	48	19	13	30
Independent Power Producers .....	1,402	6,866	7,078	6,025	7,283	5,227	3,695	4,839
Combined Heat and Power, Electric .....	-	128	129	102	132	1,579	675	758
<b>Electric Power Sector Generation Subtotal</b> .....	<b>5,539</b>	<b>7,018</b>	<b>7,233</b>	<b>6,143</b>	<b>7,463</b>	<b>6,824</b>	<b>4,383</b>	<b>5,628</b>
Combined Heat and Power, Industrial.....	448	838	903	1,039	1,071	699	459	-
<b>Industrial and Commercial Generation Subtotal</b> .....	<b>448</b>	<b>838</b>	<b>903</b>	<b>1,039</b>	<b>1,071</b>	<b>699</b>	<b>459</b>	<b>-</b>
<b>Total Net Generation</b> .....	<b>5,987</b>	<b>7,856</b>	<b>8,137</b>	<b>7,182</b>	<b>8,534</b>	<b>7,524</b>	<b>4,842</b>	<b>5,628</b>
<b>Total Supply</b> .....	<b>5,987</b>	<b>7,856</b>	<b>8,137</b>	<b>7,182</b>	<b>8,534</b>	<b>7,524</b>	<b>4,842</b>	<b>5,628</b>
<b>Disposition</b> .....								
<b>Retail Sales</b> .....								
Full Service Providers .....	10,772	10,751	11,187	9,044	7,828	7,789	7,213	7,583
Energy-Only Providers.....	503	1,010	950	2,511	4,041	3,960	4,045	4,023
<b>Total Electric Industry Retail Sales</b> .....	<b>11,274</b>	<b>11,761</b>	<b>12,137</b>	<b>11,555</b>	<b>11,869</b>	<b>11,749</b>	<b>11,258</b>	<b>11,606</b>
<b>Direct Use</b> .....	<b>492</b>	<b>564</b>	<b>736</b>	<b>494</b>	<b>909</b>	<b>750</b>	<b>489</b>	<b>2</b>
<b>Estimated Losses</b> .....	<b>802</b>	<b>1,067</b>	<b>1,223</b>	<b>986</b>	<b>1,304</b>	<b>880</b>	<b>808<sup>R</sup></b>	<b>950</b>
<b>Net Interstate Trade</b> <sup>1</sup> .....	<b>-6,581</b>	<b>-5,537</b>	<b>-5,959</b>	<b>-5,852</b>	<b>-5,548</b>	<b>-5,856</b>	<b>-7,714</b>	<b>-6,931</b>
<b>Total Disposition</b> .....	<b>5,987</b>	<b>7,856</b>	<b>8,137</b>	<b>7,182</b>	<b>8,534</b>	<b>7,524</b>	<b>4,842</b>	<b>5,628</b>
<b>Net Trade Index (ratio)</b> <sup>2</sup> .....	<b>0.48</b>	<b>0.59</b>	<b>0.58</b>	<b>0.55</b>	<b>0.61</b>	<b>0.56</b>	<b>0.39</b>	<b>0.45</b>

<sup>1</sup> Net Interstate Trade = Total Supply - (Total Electric Industry Retail Sales + Direct Use + Total International Exports (if applies) + Estimated Losses).

<sup>2</sup> Net Trade Index is the sum of Total Supply / (Total Disposition - Net Interstate Trade).

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. Beginning with publication year 2010, Total disposition has been reorganized to include Net Interstate Trade. Therefore, Total Disposition equals Total Supply.

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. 2010 Summary Statistics**

Item	Value	U.S. Rank
<b>District of Columbia</b>		
NERC Region(s).....		<b>RFC</b>
Primary Energy Source.....		<b>Petroleum</b>
Net Summer Capacity (megawatts) .....	<b>790</b>	<b>51</b>
Independent Power Producers & Combined Heat and Power.....	790	46
Net Generation (megawatthours).....	<b>199,858</b>	<b>51</b>
Independent Power Producers & Combined Heat and Power.....	199,858	51
Emissions (thousand metric tons) .....		
Sulfur Dioxide .....	1	49
Nitrogen Oxide .....	*	51
Carbon Dioxide.....	191	50
Sulfur Dioxide (lbs/MWh) .....	8.8	2
Nitrogen Oxide (lbs/MWh) .....	4.0	3
Carbon Dioxide (lbs/MWh).....	2,104	1
Total Retail Sales (megawatthours).....	<b>11,876,995</b>	<b>43</b>
Full Service Provider Sales (megawatthours) .....	3,388,490	50
Energy-Only Provider Sales (megawatthours).....	8,488,505	12
Direct Use (megawatthours) .....	-	<b>50</b>
Average Retail Price (cents/kWh).....	<b>13.35</b>	<b>9</b>

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, 2010**

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
<b>District of Columbia</b>			
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, 2010**  
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
<b>District of Columbia</b>						
1. Potomac Electric Power Co.....	Investor-Owned	3,388,490	2,014,044	1,374,446	-	-
2. Constellation NewEnergy, Inc.....	Other Provider	2,427,380	-	2,369,901	12,091	45,388
3. PEPCO Energy Services.....	Other Provider	2,099,946	1,012	2,098,934	-	-
4. Washington Gas Energy Services .....	Other Provider	1,759,773	39,513	1,720,260	-	-
5. Hess Retail Natural Gas and Elec. Acctg. ....	Other Provider	801,256	-	536,225	265,031	-
Total Sales, Top Five Providers .....		10,476,845	2,054,569	8,099,766	277,122	45,388
Percent of Total State Sales .....		88	97	88	100	14

- (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, 2000 and 2004 Through 2010**  
(Megawatts)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>District of Columbia</b>										
<b>Independent Power Producers and Combined Heat and Power .....</b>	<b>804</b>	<b>806</b>	<b>806</b>	<b>806</b>	<b>806</b>	<b>790</b>	<b>790</b>	<b>790</b>	<b>100.0</b>	<b>100.0</b>
Petroleum.....	804	806	806	806	806	790	790	790	100.0	100.0
<b>Total Electric Industry.....</b>	<b>804</b>	<b>806</b>	<b>806</b>	<b>806</b>	<b>806</b>	<b>790</b>	<b>790</b>	<b>790</b>	<b>100.0</b>	<b>100.0</b>
Petroleum.....	804	806	806	806	806	790	790	790	100.0	100.0

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, 2000 and 2004 Through 2010**  
(Megawatthours)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share		
									2000	2010	
<b>District of Columbia</b>											
Electric Utilities.....	97,423	-	-	-	-	-	-	-	-	67.5	-
Petroleum.....	97,423	-	-	-	-	-	-	-	-	67.5	-
Independent Power Producers and Combined Heat and Power.....	46,951	36,487	226,042	81,467	75,251	72,316	35,499	199,858	32.5	100.0	
Petroleum.....	46,951	36,487	226,042	81,467	75,251	72,316	35,499	199,858	32.5	100.0	
<b>Total Electric Industry.....</b>	<b>144,374</b>	<b>36,487</b>	<b>226,042</b>	<b>81,467</b>	<b>75,251</b>	<b>72,316</b>	<b>35,499</b>	<b>199,858</b>	<b>100.0</b>	<b>100.0</b>	
Petroleum.....	144,374	36,487	226,042	81,467	75,251	72,316	35,499	199,858	100.0	100.0	

- (dash) = Data not available.

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

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, 2000 and 2004 Through 2010**

Fuel, Quality	2000	2004	2005	2006	2007	2008	2009	2010
<b>District of Columbia</b>								
Coal (cents per million Btu) .....	144	-	-	-	-	-	-	-
Average heat value (Btu per pound).....	13,251	-	-	-	-	-	-	-
Average sulfur Content (percent) .....	0.75	-	-	-	-	-	-	-
Petroleum (cents per million Btu) <sup>1</sup> .....	543	W	W	W	W	W	W	1,381
Average heat value (Btu per gallon).....	142,643	141,352	142,143	140,714	139,371	138,700	137,057	142,724
Average sulfur Content (percent) .....	0.94	0.43	0.54	0.48	0.34	0.47	0.27	0.45

<sup>1</sup> 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, 2000 and 2004 Through 2010**  
(Thousand Metric Tons)

Emission Type	2000	2004	2005	2006	2007	2008	2009	2010
<b>District of Columbia</b>								
<b>Sulfur Dioxide</b> .....								
Petroleum.....	1	*	1	*	*	*	*	1
Total .....	1	*	1	*	*	*	*	1
<b>Nitrogen Oxide</b> .....								
Petroleum.....	*	*	1	*	*	*	*	*
Total .....	*	*	1	*	*	*	*	*
<b>Carbon Dioxide</b> .....								
Petroleum.....	171	56	236	100	86	70	36	191
Total .....	171	56	236	100	86	70	36	191

\* = 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 \*).

Note: CO2 emissions for the historical years 1998 - 2008 have been revised due to changes in emission factors.

Sources: Calculations made by the Electric Power Systems and Reliability Team; Office of Electricity, Renewables, and Uranium Statistics; U. S. Energy Information Administration.

**Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 2000 and 2004 Through 2010**

Sector	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>District of Columbia</b>										
<b>Retail Sales (thousand megawatthours) .....</b>										
Residential .....	1,624	1,834	1,938	1,822	1,970	1,897	1,859	2,123	15.3	17.9
Commercial .....	8,332	8,994	9,296	9,030	9,519	9,290	9,714	9,209	78.5	77.5
Industrial .....	273	282	256	240	297	305	305	230	2.6	1.9
Other .....	387	NA	NA	NA	NA	NA	NA	NA	3.6	--
Transportation.....	NA	304	326	305	325	359	321	315	--	2.6
All Sectors .....	10,616	11,415	11,816	11,396	12,110	11,851	12,199	11,877	100.0	100.0
<b>Retail Revenue (million dollars).....</b>										
Residential .....	130	147	176	180	220	242	256	297	16.3	18.8
Commercial .....	629	670	848	1,008	1,143	1,229	1,259	1,236	78.8	77.9
Industrial .....	13	13	36	42	28	32	26	18	1.6	1.1
Other .....	26	NA	NA	NA	NA	NA	NA	NA	3.2	--
Transportation.....	NA	22	24	33	37	49	41	35	--	2.2
All Sectors .....	798	852	1,085	1,263	1,428	1,553	1,582	1,586	100.0	100.0
<b>Average Retail Prices (cents/kWh) .....</b>										
Residential .....	8.03	8.00	9.10	9.88	11.18	12.79	13.76	14.01	--	--
Commercial .....	7.55	7.45	9.13	11.17	12.01	13.23	12.96	13.42	--	--
Industrial .....	4.74	4.74	14.13	17.43	9.32	10.49	8.41	7.78	--	--
Other .....	6.67	NA	NA	NA	NA	NA	NA	NA	--	--
Transportation.....	NA	7.37	7.37	10.68	11.32	13.77	12.77	11.04	--	--
All Sectors .....	7.52	7.47	9.18	11.08	11.79	13.10	12.97	13.35	--	--

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, 2010**

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
<b>District of Columbia</b>								
Number of Entities.....	1	NA	NA	NA	NA	16	1	18
Number of Retail Customers .....	238,187	NA	NA	NA	NA	15,814	NA	254,001
Retail Sales (thousand megawatthours).....	3,388	NA	NA	NA	NA	8,489	NA	11,877
Percentage of Retail Sales .....	28.53	--	--	--	--	71.47	--	100.00
Revenue from Retail Sales (million dollars) .....	487	NA	NA	NA	NA	801	297	1,586
Percentage of Revenue .....	30.73	--	--	--	--	50.52	18.75	100.00
Average Retail Price (cents/kWh).....	14.38	NA	NA	NA	NA	9.44	3.50	13.35

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Data are shown for All Sectors. Full Service Providers sell bundled electricity services (e.g., both energy and delivery) to end users. Full Service Providers may purchase electricity from others (such as independent Power Producers or other full service providers) prior to delivery. Other Providers sell either the energy or the delivery services, but not both. Sales volumes and customer counts shown for Other Providers refer to delivered electricity, which is a joint activity of both energy and delivery providers; for clarity, they are reported only in the Energy column in this table. The revenue shown under Other Providers represents the revenue realized from the sale of the energy and the delivery services distinctly. "Public" entities include municipalities, State power agencies, and municipal marketing authorities. Federal entities are either owned or financed by the Federal Government. "Cooperatives" are electric utilities legally established to be owned by and operated for the benefit of those using its services. The cooperative will generate, transmit and/or distribute supplies of electric energy to a specified area not being serviced by another utility. "Non-utility" sales represent direct electricity transactions from independent generators to end use consumers. Totals may not equal sum of components because of independent rounding.

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



**Table 10. Supply and Disposition of Electricity, 2000 and 2004 Through 2010**  
(Million Kilowatthours)

Category	2000	2004	2005	2006	2007	2008	2009	2010
<b>District of Columbia</b>								
<b>Supply</b> .....								
<b>Generation</b> .....								
Electric Utilities .....	97	-	-	-	-	-	-	-
Independent Power Producers .....	47	36	226	81	75	72	35	200
<b>Electric Power Sector Generation Subtotal</b> .....	<b>144</b>	<b>36</b>	<b>226</b>	<b>81</b>	<b>75</b>	<b>72</b>	<b>35</b>	<b>200</b>
<b>Total Net Generation</b> .....	<b>144</b>	<b>36</b>	<b>226</b>	<b>81</b>	<b>75</b>	<b>72</b>	<b>35</b>	<b>200</b>
<b>Total Supply</b> .....	<b>144</b>	<b>36</b>	<b>226</b>	<b>81</b>	<b>75</b>	<b>72</b>	<b>35</b>	<b>200</b>
<b>Disposition</b> .....								
<b>Retail Sales</b> .....								
Full Service Providers .....	10,616	7,761	4,803	5,965	4,181	3,849	3,567	3,388
Energy-Only Providers .....	-	3,654	7,013	5,431	7,929	8,002	8,632	8,489
<b>Total Electric Industry Retail Sales</b> .....	<b>10,616</b>	<b>11,415</b>	<b>11,816</b>	<b>11,396</b>	<b>12,110</b>	<b>11,851</b>	<b>12,199</b>	<b>11,877</b>
<b>Direct Use</b> .....	<b>1</b>	<b>*</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Estimated Losses</b> .....	<b>756</b>	<b>774</b>	<b>1,003</b>	<b>942</b>	<b>1,045</b>	<b>941</b>	<b>785</b>	<b>681</b>
<b>Net Interstate Trade</b> <sup>1</sup> .....	<b>-11,228</b>	<b>-12,153</b>	<b>-12,593</b>	<b>-12,257</b>	<b>-13,079</b>	<b>-12,719</b>	<b>-12,948</b>	<b>-12,358</b>
<b>Total Disposition</b> .....	<b>144</b>	<b>36</b>	<b>226</b>	<b>81</b>	<b>75</b>	<b>72</b>	<b>35</b>	<b>200</b>
<b>Net Trade Index (ratio)</b> <sup>2</sup> .....	<b>0.01</b>	<b>*</b>	<b>0.02</b>	<b>0.01</b>	<b>0.01</b>	<b>0.01</b>	<b>*</b>	<b>0.02</b>

<sup>1</sup> Net Interstate Trade = Total Supply - (Total Electric Industry Retail Sales + Direct Use + Total International Exports (if applies) + Estimated Losses).

<sup>2</sup> Net Trade Index is the sum of Total Supply / (Total Disposition - Net Interstate Trade).

\* = 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. Beginning with publication year 2010, Total disposition has been reorganized to include Net Interstate Trade. Therefore, Total Disposition equals Total Supply.

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. 2010 Summary Statistics**

Item	Value	U.S. Rank
<b>Florida</b>		
NERC Region(s).....		FRCC/SERC
Primary Energy Source.....		Gas
Net Summer Capacity (megawatts) .....	59,147	3
Electric Utilities.....	50,853	1
Independent Power Producers & Combined Heat and Power.....	8,294	13
Net Generation (megawatthours).....	229,095,935	3
Electric Utilities.....	206,062,185	1
Independent Power Producers & Combined Heat and Power.....	23,033,750	15
Emissions (thousand metric tons) .....		
Sulfur Dioxide .....	160	11
Nitrogen Oxide .....	101	5
Carbon Dioxide.....	123,811	2
Sulfur Dioxide (lbs/MWh) .....	1.5	37
Nitrogen Oxide (lbs/MWh) .....	1.0	35
Carbon Dioxide (lbs/MWh).....	1,191	31
Total Retail Sales (megawatthours) .....	231,209,614	3
Full Service Provider Sales (megawatthours) .....	231,209,614	3
Direct Use (megawatthours) .....	4,882,462	6
Average Retail Price (cents/kWh).....	10.58	15

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, 2010**

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
<b>Florida</b>			
1. Martin .....	Gas	Florida Power & Light Co	3,695
2. Turkey Point .....	Nuclear	Florida Power & Light Co	3,334
3. Crystal River .....	Coal	Progress Energy Florida Inc	3,151
4. Manatee .....	Gas	Florida Power & Light Co	2,735
5. West County Energy Center (WCEC).....	Gas	Florida Power & Light Co	2,438
6. Fort Myers .....	Gas	Florida Power & Light Co	2,403
7. Sanford.....	Gas	Florida Power & Light Co	2,050
8. Hines Energy Complex.....	Gas	Progress Energy Florida Inc	1,912
9. H. L. Culbreath Bayside .....	Gas	Tampa Electric Co	1,854
10. Lauderdale .....	Gas	Florida Power & Light Co	1,724

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, 2010**  
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
1. Florida Power & Light Co.....	Investor-Owned	105,003,376	56,583,308	45,194,918	3,143,476	81,674
2. Progress Energy Florida Inc.....	Investor-Owned	38,925,066	20,524,060	15,181,662	3,219,344	-
3. Tampa Electric Co.....	Investor-Owned	19,213,462	9,184,729	8,017,883	2,010,250	600
4. JEA.....	Public	12,852,774	5,746,964	4,192,905	2,909,576	3,329
5. Gulf Power Co.....	Investor-Owned	11,359,195	5,651,274	4,022,104	1,685,817	-
Total Sales, Top Five Providers.....		187,353,873	97,690,335	76,609,472	12,968,463	85,603
Percent of Total State Sales.....		81	80	84	75	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, 2000 and 2004 Through 2010**  
(Megawatts)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Florida</b>										
<b>Electric Utilities.....</b>	<b>37,264</b>	<b>42,619</b>	<b>45,196</b>	<b>45,184</b>	<b>47,224</b>	<b>47,222</b>	<b>50,781</b>	<b>50,853</b>	<b>89.7</b>	<b>86.0</b>
Coal.....	10,783	9,653	9,634	9,564	9,528	9,499	9,495	9,210	26.0	15.6
Petroleum.....	12,431	10,715	10,611	10,593	10,586	12,043	11,549	10,980	29.9	18.6
Natural Gas.....	10,102	18,290	20,990	21,065	23,148	21,698	25,731	26,424	24.3	44.7
Other Gases <sup>1</sup> .....	-	-	-	-	-	-	-	220	-	0.4
Nuclear.....	3,898	3,902	3,902	3,902	3,902	3,924	3,924	3,924	9.4	6.6
Hydroelectric.....	47	55	55	55	55	55	55	55	0.1	0.1
Other Renewables <sup>2</sup> .....	3	5	5	5	5	3	28	41	*	0.1
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>4,276</b>	<b>8,034</b>	<b>8,024</b>	<b>8,022</b>	<b>8,227</b>	<b>8,238</b>	<b>8,292</b>	<b>8,294</b>	<b>10.3</b>	<b>14.0</b>
Coal.....	693	769	769	769	769	766	766	765	1.7	1.3
Petroleum.....	22	1,073	1,091	1,084	1,085	1,085	1,053	1,053	0.1	1.8
Natural Gas.....	2,065	4,945	4,950	4,970	5,163	5,075	5,139	5,140	5.0	8.7
Other Renewables <sup>2</sup> .....	1,135	932	925	949	988	989	1,010	1,012	2.7	1.7
Other <sup>3</sup> .....	361	315	289	251	222	324	324	324	0.9	0.5
<b>Total Electric Industry.....</b>	<b>41,540</b>	<b>50,654</b>	<b>53,220</b>	<b>53,206</b>	<b>55,451</b>	<b>55,460</b>	<b>59,073</b>	<b>59,147</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	11,477	10,422	10,403	10,333	10,297	10,265	10,261	9,975	27.6	16.9
Petroleum.....	12,453	11,787	11,701	11,677	11,671	13,128	12,602	12,033	30.0	20.3
Natural Gas.....	12,167	23,236	25,941	26,035	28,312	26,773	30,870	31,563	29.3	53.4
Other Gases <sup>1</sup> .....	-	-	-	-	-	-	-	220	-	0.4
Nuclear.....	3,898	3,902	3,902	3,902	3,902	3,924	3,924	3,924	9.4	6.6
Hydroelectric.....	47	55	55	55	55	55	55	55	0.1	0.1
Other Renewables <sup>2</sup> .....	1,138	937	930	954	993	992	1,038	1,053	2.7	1.8
Other <sup>3</sup> .....	361	315	289	251	222	324	324	324	0.9	0.5

<sup>1</sup> Other gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

<sup>2</sup> Other Renewables includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>3</sup> Other includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

\* = 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, 2000 and 2004 Through 2010**  
(Megawatthours)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Florida</b>										
<b>Electric Utilities.....</b>	<b>169,888,638</b>	<b>193,383,664</b>	<b>196,096,285</b>	<b>200,015,227</b>	<b>200,533,885</b>	<b>196,524,348</b>	<b>195,063,261</b>	<b>206,062,185</b>	<b>88.6</b>	<b>89.9</b>
Coal.....	67,143,257	60,013,823	57,559,411	60,413,597	62,633,944	59,731,231	49,942,611	56,074,369	35.0	24.5
Petroleum.....	34,337,080	35,824,155	36,122,039	22,508,349	19,841,026	11,830,552	9,028,865	8,867,397	17.9	3.9
Natural Gas.....	36,002,612	65,940,807	73,282,347	85,384,147	88,542,291	92,538,775	106,669,479	116,880,469	18.8	51.0
Nuclear.....	32,291,345	31,215,576	28,758,826	31,426,349	29,289,289	32,133,276	29,117,877	23,935,922	16.8	10.4
Hydroelectric.....	86,769	265,258	266,159	203,422	154,446	206,158	208,202	177,474	*	0.1
Other Renewables <sup>1</sup> .....	27,575	124,045	107,503	79,363	72,890	84,356	96,226	126,554	*	0.1
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>21,927,202</b>	<b>24,734,264</b>	<b>24,160,127</b>	<b>23,736,394</b>	<b>24,882,175</b>	<b>23,112,470</b>	<b>22,889,048</b>	<b>23,033,750</b>	<b>11.4</b>	<b>10.1</b>
Coal.....	5,598,572	4,847,951	4,955,890	5,009,739	5,274,171	5,092,180	4,060,460	3,823,064	2.9	1.7
Petroleum.....	1,405,950	1,431,297	1,078,995	395,741	361,841	140,190	192,151	255,100	0.7	0.1
Natural Gas.....	7,200,255	10,636,163	10,312,848	10,801,993	11,764,893	10,824,348	11,652,829	11,753,783	3.8	5.1
Other Gases <sup>2</sup> .....	23,471	14,732	13,240	16,924	15,162	9,977	6,800	8,075	*	*
Other Renewables <sup>1</sup> .....	5,662,771	4,377,526	4,219,693	4,251,327	4,229,928	4,218,512	4,244,106	4,360,169	3.0	1.9
Other <sup>3</sup> .....	2,036,183	3,426,594	3,579,461	3,260,671	3,236,180	2,827,263	2,732,701	2,833,559	1.1	1.2
<b>Total Electric Industry.....</b>	<b>191,815,840</b>	<b>218,117,928</b>	<b>220,256,412</b>	<b>223,751,621</b>	<b>225,416,060</b>	<b>219,636,818</b>	<b>217,952,308</b>	<b>229,095,935</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	72,741,829	64,861,774	62,515,301	65,423,336	67,908,115	64,823,411	54,003,072	59,897,433	37.9	26.1
Petroleum.....	35,743,030	37,255,452	37,201,034	22,904,090	20,202,867	11,970,743	9,221,017	9,122,498	18.6	4.0
Natural Gas.....	43,202,867	76,576,970	83,595,195	96,186,140	100,307,183	103,363,123	118,322,308	128,634,251	22.5	56.1
Other Gases <sup>2</sup> .....	23,471	14,732	13,240	16,924	15,162	9,977	6,800	8,075	*	*
Nuclear.....	32,291,345	31,215,576	28,758,826	31,426,349	29,289,289	32,133,276	29,117,877	23,935,922	16.8	10.4
Hydroelectric.....	86,769	265,258	266,159	203,422	154,446	206,158	208,202	177,474	*	0.1
Other Renewables <sup>1</sup> .....	5,690,346	4,501,571	4,327,196	4,330,690	4,302,818	4,302,868	4,340,332	4,486,723	3.0	2.0
Other <sup>3</sup> .....	2,036,183	3,426,594	3,579,461	3,260,671	3,236,180	2,827,263	2,732,701	2,833,559	1.1	1.2

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>2</sup> Other gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

<sup>3</sup> Other includes non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

\* = 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 \*).

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

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, 2000 and 2004 Through 2010**

Fuel, Quality	2000	2004	2005	2006	2007	2008	2009	2010
<b>Florida</b>								
Coal (cents per million Btu) .....	157	192	231	256	256	297	339	347
Average heat value (Btu per pound).....	12,330	12,249	12,227	12,142	12,116	11,929	11,957	12,024
Average sulfur Content (percent) .....	1.59	1.44	1.38	1.37	1.35	1.38	1.45	1.67
Petroleum (cents per million Btu) <sup>1</sup> .....	409	392	581	568	712	1,003	727	856
Average heat value (Btu per gallon).....	147,162	148,183	147,510	146,124	147,276	146,433	144,745	143,138
Average sulfur Content (percent) .....	1.46	1.96	1.99	2.47	2.06	2.40	2.27	2.35
Natural Gas (cents per million Btu).....	434	629	844	835	907	1,010	764	638
Average heat value (Btu per cubic foot).....	1,038	1,032	1,037	1,030	1,029	1,028	1,024	1,017

<sup>1</sup> 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, 2000 and 2004 Through 2010**  
(Thousand Metric Tons)

Emission Type	2000	2004	2005	2006	2007	2008	2009	2010
<b>Florida</b>								
<b>Sulfur Dioxide</b> .....								
Coal.....	379	236	205	197	192	196	160	108
Petroleum.....	221	193	190	117	116	58	43	32
Natural Gas.....	*	*	*	*	*	*	*	*
Other Gases.....	*	*	*	*	*	*	*	*
Other Renewables <sup>1</sup> .....	13	14	16	14	14	15	15	18
Other <sup>2</sup> .....	9	1	1	1	1	1	1	1
Total.....	623	443	412	329	322	271	219	160
<b>Nitrogen Oxide</b> .....								
Coal.....	176	138	115	118	110	109	56	43
Petroleum.....	89	64	66	48	44	10	8	6
Natural Gas.....	26	29	27	24	25	31	31	29
Other Gases.....	*	2	2	4	4	1	1	2
Other Renewables <sup>1</sup> .....	8	8	9	8	9	9	11	12
Other <sup>2</sup> .....	13	10	9	9	9	9	9	9
Total.....	312	250	227	212	203	170	116	101
<b>Carbon Dioxide</b> .....								
Coal.....	70,801	63,667	61,099	63,191	65,615	63,056	52,917	58,348
Petroleum.....	30,381	31,947	32,616	20,709	17,712	11,116	8,713	8,522
Natural Gas.....	21,619	33,089	35,440	41,297	42,993	44,474	50,820	54,545
Other Gases.....	2	*	*	*	*	*	*	*
Other Renewables <sup>1</sup> .....	-	-	-	-	-	-	-	1,315
Other <sup>2</sup> .....	2,159	2,416	2,388	2,485	2,502	2,407	2,404	1,081
Total.....	124,962	131,119	131,543	127,682	128,822	121,052	114,854	123,811

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, and other biomass.

<sup>2</sup> Other includes non-biogenic municipal solid waste, tire-derived fuels, and miscellaneous technologies.

\* = 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.

Note: CO2 emissions for the historical years 1998 - 2008 have been revised due to changes in emission factors.

Sources: Calculations made by the Electric Power Systems and Reliability Team; Office of Electricity, Renewables, and Uranium Statistics; U. S. Energy Information Administration.

**Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 2000 and 2004 Through 2010**

Sector	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Florida</b>										
<b>Retail Sales (thousand megawatthours) .....</b>										
Residential .....	99,006	112,203	115,791	117,053	117,816	113,937	115,474	122,245	50.6	52.9
Commercial .....	72,130	86,765	89,410	91,300	93,931	93,205	92,275	91,614	36.8	39.6
Industrial .....	18,884	19,518	19,676	19,768	19,241	18,945	16,918	17,265	9.6	7.5
Other .....	5,824	NA	NA	NA	NA	NA	NA	NA	3.0	--
Transportation.....	NA	98	99	99	96	86	84	86	--	*
All Sectors .....	195,843	218,584	224,977	228,220	231,085	226,173	224,750	231,210	100.0	100.0
<b>Retail Revenue (million dollars).....</b>										
Residential .....	7,696	10,086	11,141	13,264	13,223	13,279	14,303	13,982	56.9	57.2
Commercial .....	4,511	6,601	7,293	9,048	9,154	9,446	9,937	8,942	33.3	36.6
Industrial .....	913	1,140	1,271	1,523	1,492	1,562	1,577	1,529	6.8	6.2
Other .....	405	NA	NA	NA	NA	NA	NA	NA	3.0	--
Transportation.....	NA	7	8	10	9	9	9	7	--	*
All Sectors .....	13,526	17,835	19,713	23,845	23,878	24,296	25,825	24,460	100.0	100.0
<b>Average Retail Prices (cents/kWh) .....</b>										
Residential .....	7.77	8.99	9.62	11.33	11.22	11.65	12.39	11.44	--	--
Commercial .....	6.25	7.61	8.16	9.91	9.75	10.14	10.77	9.76	--	--
Industrial .....	4.84	5.84	6.46	7.71	7.76	8.25	9.32	8.85	--	--
Other .....	6.96	NA	NA	NA	NA	NA	NA	NA	--	--
Transportation.....	NA	7.45	8.03	10.32	9.73	10.18	10.48	8.58	--	--
All Sectors .....	6.91	8.16	8.76	10.45	10.33	10.74	11.49	10.58	--	--

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, 2010**

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
<b>Florida</b>								
Number of Entities.....	5	32	NA	16	1	NA	NA	54
Number of Retail Customers .....	7,285,149	1,339,290	NA	1,049,975	1	NA	NA	9,674,415
Retail Sales (thousand megawatthours).....	175,247	36,079	NA	19,883	1	NA	NA	231,210
Percentage of Retail Sales .....	75.80	15.60	--	8.60	*	--	--	100.00
Revenue from Retail Sales (million dollars) .....	18,067	4,082	NA	2,310	*	NA	NA	24,460
Percentage of Revenue .....	73.87	16.69	--	9.45	*	--	--	100.00
Average Retail Price (cents/kWh).....	10.31	11.31	NA	11.62	4.60	NA	NA	10.58

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: 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. "Non-utility" sales represent direct electricity transactions from independent generators to end use consumers. Totals may not equal sum of components because of independent rounding.

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

**Table 10. Supply and Disposition of Electricity, 2000 and 2004 Through 2010**  
(Million Kilowatthours)

Category	2000	2004	2005	2006	2007	2008	2009	2010
<b>Florida</b>								
<b>Supply</b> .....								
<b>Generation</b> .....								
Electric Utilities .....	169,889	193,384	196,096	200,015	200,534	196,524	195,063	206,062
Independent Power Producers .....	5,676	10,334	10,189	10,156	11,500	10,142	10,774	10,587
Combined Heat and Power, Electric .....	10,037	8,779	8,515	8,656	8,420	8,326	7,203	6,914
<b>Electric Power Sector Generation Subtotal</b> .....	<b>185,602</b>	<b>212,497</b>	<b>214,800</b>	<b>218,827</b>	<b>220,453</b>	<b>214,992</b>	<b>213,040</b>	<b>223,563</b>
Combined Heat and Power, Commercial .....	109	96	97	91	82	70	64	69
Combined Heat and Power, Industrial.....	6,105	5,524	5,359	4,834	4,881	4,575	4,848	5,464
<b>Industrial and Commercial Generation Subtotal</b> .....	<b>6,214</b>	<b>5,621</b>	<b>5,456</b>	<b>4,925</b>	<b>4,963</b>	<b>4,645</b>	<b>4,912</b>	<b>5,533</b>
<b>Total Net Generation</b> .....	<b>191,816</b>	<b>218,118</b>	<b>220,256</b>	<b>223,752</b>	<b>225,416</b>	<b>219,637</b>	<b>217,952</b>	<b>229,096</b>
<b>Total Supply</b> .....	<b>191,816</b>	<b>218,118</b>	<b>220,256</b>	<b>223,752</b>	<b>225,416</b>	<b>219,637</b>	<b>217,952</b>	<b>229,096</b>
<b>Disposition</b> .....								
<b>Retail Sales</b> .....								
Full Service Providers .....	195,843	218,584	224,977	228,220	231,085	226,173	224,750	231,209
Facility Direct Retail Sales <sup>1</sup> .....	-	-	-	-	-	-	-	1
<b>Total Electric Industry Retail Sales</b> .....	<b>195,843</b>	<b>218,584</b>	<b>224,977</b>	<b>228,220</b>	<b>231,085</b>	<b>226,173</b>	<b>224,750</b>	<b>231,210</b>
<b>Direct Use</b> .....	<b>6,761</b>	<b>6,910</b>	<b>5,346</b>	<b>5,274</b>	<b>4,878</b>	<b>4,924</b>	<b>4,986</b>	<b>4,882</b>
<b>Estimated Losses</b> .....	<b>13,939</b>	<b>15,125</b>	<b>16,195<sup>R</sup></b>	<b>17,306</b>	<b>19,176</b>	<b>17,767</b>	<b>16,660</b>	<b>18,739</b>
<b>Net Interstate Trade</b> <sup>2</sup> .....	<b>-24,726</b>	<b>-22,501<sup>R</sup></b>	<b>-26,262</b>	<b>-27,048</b>	<b>-29,723</b>	<b>-29,227</b>	<b>-28,444<sup>R</sup></b>	<b>-25,736</b>
<b>Total Disposition</b> .....	<b>191,816</b>	<b>218,118</b>	<b>220,256</b>	<b>223,752</b>	<b>225,416</b>	<b>219,637</b>	<b>217,952</b>	<b>229,096</b>
<b>Net Trade Index (ratio)</b> <sup>3</sup> .....	<b>0.89</b>	<b>0.91</b>	<b>0.89</b>	<b>0.89</b>	<b>0.88</b>	<b>0.88</b>	<b>0.88</b>	<b>0.90</b>

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

<sup>2</sup> Net Interstate Trade = Total Supply - (Total Electric Industry Retail Sales + Direct Use + Total International Exports (if applies) + Estimated Losses).

<sup>3</sup> Net Trade Index is the sum of Total Supply / (Total Disposition - Net Interstate Trade).

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. Beginning with publication year 2010, Total disposition has been reorganized to include Net Interstate Trade. Therefore, Total Disposition equals Total Supply.

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. 2010 Summary Statistics**

Item	Value	U.S. Rank
<b>Georgia</b>		
NERC Region(s).....		SERC
Primary Energy Source.....		Coal
Net Summer Capacity (megawatts) .....	<b>36,636</b>	<b>7</b>
Electric Utilities.....	26,639	3
Independent Power Producers & Combined Heat and Power.....	9,998	11
Net Generation (megawatthours).....	<b>137,576,941</b>	<b>8</b>
Electric Utilities.....	120,425,913	4
Independent Power Producers & Combined Heat and Power.....	17,151,028	21
Emissions (thousand metric tons) .....		
Sulfur Dioxide .....	265	5
Nitrogen Oxide .....	79	10
Carbon Dioxide.....	82,592	8
Sulfur Dioxide (lbs/MWh) .....	4.2	10
Nitrogen Oxide (lbs/MWh) .....	1.3	28
Carbon Dioxide (lbs/MWh).....	1,324	25
Total Retail Sales (megawatthours) .....	<b>140,671,580</b>	<b>8</b>
Full Service Provider Sales (megawatthours) .....	140,671,580	4
Direct Use (megawatthours) .....	<b>4,867,547</b>	<b>7</b>
Average Retail Price (cents/kWh).....	<b>8.87</b>	<b>26</b>

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, 2010**

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
<b>Georgia</b>			
1. Scherer .....	Coal	Georgia Power Co	3,400
2. Bowen.....	Coal	Georgia Power Co	3,234
3. Vogtle .....	Nuclear	Georgia Power Co	2,302
4. Wansley .....	Coal	Georgia Power Co	1,793
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. McIntosh Combined Cycle Facility.....	Gas	Georgia Power Co	1,257
9. Murray Energy Facility .....	Gas	Duke Energy Generation Services	1,250
10. Wansley Combined Cycle .....	Gas	Southern Power Co	1,143

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, 2010**  
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
1. Georgia Power Co .....	Investor-Owned	87,160,371	29,433,085	34,345,187	23,209,403	172,696
2. Jackson Electric Member Corp .....	Cooperative	5,210,329	3,145,638	1,486,263	578,428	-
3. Cobb Electric Membership Corp.....	Cooperative	4,141,812	2,684,992	1,208,907	247,913	-
4. Sawnee Electric Membership Corporation.....	Cooperative	3,341,966	2,255,640	829,027	257,299	-
5. GreyStone Power Corporation .....	Cooperative	2,804,514	1,747,429	608,892	448,193	-
Total Sales, Top Five Providers .....		102,658,992	39,266,784	38,478,276	24,741,236	172,696
Percent of Total State Sales .....		73	64	80	80	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, 2000 and 2004 Through 2010**  
(Megawatts)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Electric Utilities.....</b>	<b>24,860</b>	<b>25,404</b>	<b>26,538</b>	<b>26,542</b>	<b>26,432</b>	<b>26,462</b>	<b>26,558</b>	<b>26,639</b>	<b>89.6</b>	<b>72.7</b>
Coal.....	13,470	13,215	13,192	13,192	13,192	13,129	13,084	13,103	48.5	35.8
Petroleum.....	1,145	991	991	991	973	991	991	991	4.1	2.7
Natural Gas.....	2,647	3,470	4,618	4,609	4,577	4,577	4,652	4,646	9.5	12.7
Nuclear.....	4,145	4,053	4,060	4,060	3,995	4,061	4,061	4,061	14.9	11.1
Hydroelectric.....	2,329	2,000	2,003	2,016	2,020	2,030	2,034	2,039	8.4	5.6
Pumped Storage.....	1,124	1,675	1,675	1,675	1,675	1,675	1,737	1,800	4.0	4.9
<b>Independent Power Producers and Combined Heat and Power .....</b>	<b>2,896</b>	<b>9,934</b>	<b>9,993</b>	<b>9,957</b>	<b>10,041</b>	<b>9,994</b>	<b>9,990</b>	<b>9,998</b>	<b>10.4</b>	<b>27.3</b>
Coal.....	261	273	273	245	83	126	126	126	0.9	0.3
Petroleum.....	348	262	1,195	1,192	1,197	1,197	1,198	1,198	1.3	3.3
Natural Gas.....	1,779	8,883	8,015	8,010	8,075	8,058	8,053	8,023	6.4	21.9
Hydroelectric.....	11	11	11	11	11	11	11	13	*	*
Other Renewables <sup>1</sup> .....	497	506	499	499	675	601	602	637	1.8	1.7
<b>Total Electric Industry.....</b>	<b>27,756</b>	<b>35,338</b>	<b>36,531</b>	<b>36,499</b>	<b>36,472</b>	<b>36,456</b>	<b>36,549</b>	<b>36,636</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	13,731	13,488	13,465	13,438	13,275	13,256	13,211	13,230	49.5	36.1
Petroleum.....	1,493	1,252	2,185	2,182	2,169	2,187	2,188	2,189	5.4	6.0
Natural Gas.....	4,426	12,353	12,633	12,618	12,652	12,635	12,705	12,668	15.9	34.6
Nuclear.....	4,145	4,053	4,060	4,060	3,995	4,061	4,061	4,061	14.9	11.1
Hydroelectric.....	2,341	2,012	2,014	2,027	2,032	2,041	2,046	2,052	8.4	5.6
Other Renewables <sup>1</sup> .....	497	506	499	499	675	601	602	637	1.8	1.7
Pumped Storage.....	1,124	1,675	1,675	1,675	1,675	1,675	1,737	1,800	4.0	4.9

<sup>1</sup> Other Renewables includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

\* = 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, 2000 and 2004 Through 2010**  
(Megawatthours)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Georgia</b>										
<b>Electric Utilities.....</b>	<b>116,176,834</b>	<b>117,918,895</b>	<b>126,444,777</b>	<b>127,367,613</b>	<b>132,831,987</b>	<b>126,031,263</b>	<b>115,074,702</b>	<b>120,425,913</b>	<b>93.8</b>	<b>87.5</b>
Coal.....	79,007,166	79,185,166	86,358,096	85,700,960	89,532,913	84,652,246	68,863,420	72,550,375	63.8	52.7
Petroleum.....	641,415	156,672	189,819	86,798	82,380	67,971	64,833	70,781	0.5	0.1
Natural Gas.....	1,754,679	2,044,196	4,567,674	7,430,266	8,777,568	7,656,500	10,943,291	11,282,297	1.4	8.2
Nuclear.....	32,472,935	33,747,705	31,534,259	32,005,810	32,544,998	31,691,095	31,682,579	33,512,033	26.2	24.4
Hydroelectric.....	2,455,467	3,663,002	4,004,150	2,544,122	2,215,776	2,120,372	3,248,591	3,288,341	2.0	2.4
Other Renewables <sup>1</sup> .....	-	-	-	-	-	-	-	41	-	*
Pumped Storage.....	-154,828	-877,846	-209,221	-400,343	-321,649	-156,922	271,988	-277,954	-0.1	-0.2
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>7,700,579</b>	<b>8,893,820</b>	<b>10,223,115</b>	<b>10,642,595</b>	<b>12,323,171</b>	<b>10,142,132</b>	<b>13,623,674</b>	<b>17,151,028</b>	<b>6.2</b>	<b>12.5</b>
Coal.....	1,093,284	757,797	824,163	803,026	764,616	839,011	614,776	747,667	0.9	0.5
Petroleum.....	979,238	789,856	843,273	747,427	705,847	673,590	584,842	569,783	0.8	0.4
Natural Gas.....	2,496,398	4,085,456	5,203,360	5,530,332	7,301,376	5,771,911	9,562,458	12,602,160	2.0	9.2
Hydroelectric.....	25,330	29,394	27,903	24,715	20,412	24,246	11,092	33,361	*	*
Other Renewables <sup>1</sup> .....	3,104,799	3,191,739	3,271,888	3,418,918	3,415,422	2,781,970	2,825,170	3,180,522	2.5	2.3
Other <sup>2</sup> .....	1,530	39,577	52,527	118,176	115,499	51,404	25,337	17,536	*	*
<b>Total Electric Industry.....</b>	<b>123,877,413</b>	<b>126,812,715</b>	<b>136,667,892</b>	<b>138,010,208</b>	<b>145,155,158</b>	<b>136,173,395</b>	<b>128,698,376</b>	<b>137,576,941</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	80,100,450	79,942,963	87,182,259	86,503,986	90,297,529	85,491,258	69,478,196	73,298,042	64.7	53.3
Petroleum.....	1,620,653	946,528	1,033,092	834,225	788,227	741,561	649,674	640,563	1.3	0.5
Natural Gas.....	4,251,077	6,129,652	9,771,034	12,960,598	16,078,944	13,428,411	20,505,749	23,884,457	3.4	17.4
Nuclear.....	32,472,935	33,747,705	31,534,259	32,005,810	32,544,998	31,691,095	31,682,579	33,512,033	26.2	24.4
Hydroelectric.....	2,480,797	3,692,396	4,032,053	2,568,837	2,236,188	2,144,618	3,259,683	3,321,702	2.0	2.4
Other Renewables <sup>1</sup> .....	3,104,799	3,191,739	3,271,888	3,418,918	3,415,422	2,781,970	2,825,170	3,180,563	2.5	2.3
Pumped Storage.....	-154,828	-877,846	-209,221	-400,343	-321,649	-156,922	271,988	-277,954	-0.1	-0.2
Other <sup>2</sup> .....	1,530	39,577	52,527	118,176	115,499	51,404	25,337	17,536	*	*

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>2</sup> Other includes non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

\* = 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.

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

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, 2000 and 2004 Through 2010**

Fuel, Quality	2000	2004	2005	2006	2007	2008	2009	2010
<b>Georgia</b>								
Coal (cents per million Btu) .....	154	180	218	W	261	307	362	390
Average heat value (Btu per pound).....	11,559	11,024	11,058	10,994	10,983	10,947	10,933	10,891
Average sulfur Content (percent) .....	0.76	0.78	0.81	0.82	0.78	0.78	0.76	0.78
Petroleum (cents per million Btu) <sup>1</sup> .....	691	289	433	W	537	838	552	667
Average heat value (Btu per gallon).....	138,498	136,533	141,855	135,864	141,493	138,081	138,371	137,129
Average sulfur Content (percent) .....	0.50	4.22	3.63	4.59	4.36	3.38	3.08	4.03
Natural Gas (cents per million Btu).....	418	665	1,027	710	727	996	452	508
Average heat value (Btu per cubic foot).....	1,031	1,031	1,036	1,038	1,040	1,035	1,035	1,023

<sup>1</sup> 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, 2000 and 2004 Through 2010 (Thousand Metric Tons)**

Emission Type	2000	2004	2005	2006	2007	2008	2009	2010
<b>Georgia</b>								
<b>Sulfur Dioxide .....</b>								
Coal.....	488	524	583	619	617	481	247	211
Petroleum.....	39	33	35	37	36	29	24	28
Natural Gas .....	*	*	*	*	*	*	*	*
Other Renewables <sup>1</sup> .....	32	27	27	29	28	25	24	25
Other <sup>2</sup> .....	1	*	*	*	*	*	*	*
Total.....	559	584	646	685	682	536	295	265
<b>Nitrogen Oxide .....</b>								
Coal.....	172	97	107	109	104	100	54	57
Petroleum.....	7	4	4	4	4	4	3	3
Natural Gas .....	6	3	4	5	6	5	7	9
Other Renewables <sup>1</sup> .....	12	10	10	12	10	10	10	10
Other <sup>2</sup> .....	*	*	*	*	*	*	*	*
Total.....	197	115	126	130	125	119	74	79
<b>Carbon Dioxide .....</b>								
Coal.....	76,359	77,695	83,774	83,037	87,078	82,611	67,454	71,537
Petroleum.....	2,881	1,987	2,025	1,602	1,538	1,309	1,145	1,084
Natural Gas .....	3,231	2,931	4,396	5,715	7,181	5,685	8,357	9,934
Other <sup>2</sup> .....	115	150	187	666	639	145	66	37
Total.....	82,587	82,762	90,381	91,020	96,436	89,750	77,022	82,592

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, and other biomass.

<sup>2</sup> Other includes non-biogenic municipal solid waste, tire-derived fuels, and miscellaneous technologies.

\* = 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 \*).

Note: CO2 emissions for the historical years 1998 - 2008 have been revised due to changes in emission factors.

Sources: Calculations made by the Electric Power Systems and Reliability Team; Office of Electricity, Renewables, and Uranium Statistics; U. S. Energy Information Administration.

**Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 2000 and 2004 Through 2010**

Sector	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Georgia</b>										
<b>Retail Sales (thousand megawatthours) .....</b>										
Residential .....	44,560	51,124	52,827	54,521	56,223	55,587	55,158	61,554	37.4	43.8
Commercial .....	36,951	42,316	44,663	45,547	46,997	46,876	46,080	47,897	31.0	34.0
Industrial .....	36,085	35,846	34,602	34,588	34,054	32,529	29,348	31,047	30.3	22.1
Other .....	1,589	NA	NA	NA	NA	NA	NA	NA	1.3	--
Transportation.....	NA	180	174	179	179	182	179	173	--	0.1
All Sectors .....	119,185	129,466	132,265	134,834	137,454	135,174	130,766	140,672	100.0	100.0
<b>Retail Revenue (million dollars).....</b>										
Residential .....	3,386	4,016	4,565	4,858	5,114	5,517	5,588	6,198	45.7	49.7
Commercial .....	2,401	2,912	3,428	3,559	3,791	4,250	4,120	4,338	32.4	34.8
Industrial .....	1,481	1,587	1,827	1,861	1,884	2,170	1,796	1,932	20.0	15.5
Other .....	135	NA	NA	NA	NA	NA	NA	NA	1.8	--
Transportation.....	NA	9	10	11	12	13	13	13	--	0.1
All Sectors .....	7,404	8,525	9,830	10,288	10,800	11,951	11,516	12,481	100.0	100.0
<b>Average Retail Prices (cents/kWh) .....</b>										
Residential .....	7.60	7.86	8.64	8.91	9.10	9.93	10.13	10.07	--	--
Commercial .....	6.50	6.88	7.67	7.81	8.07	9.07	8.94	9.06	--	--
Industrial .....	4.10	4.43	5.28	5.38	5.53	6.67	6.12	6.22	--	--
Other .....	8.51	NA	NA	NA	NA	NA	NA	NA	--	--
Transportation.....	NA	5.12	5.90	6.12	6.42	7.15	7.03	7.46	--	--
All Sectors .....	6.21	6.58	7.43	7.63	7.86	8.84	8.81	8.87	--	--

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, 2010**

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
<b>Georgia</b>								
Number of Entities.....	1	53	NA	43	NA	NA	NA	97
Number of Retail Customers .....	2,359,765	338,414	NA	1,917,626	NA	NA	NA	4,615,805
Retail Sales (thousand megawatthours).....	87,160	12,061	NA	41,450	NA	NA	NA	140,672
Percentage of Retail Sales .....	61.96	8.57	--	29.47	--	--	--	100.00
Revenue from Retail Sales (million dollars) .....	7,509	1,014	NA	3,959	NA	NA	NA	12,481
Percentage of Revenue .....	60.16	8.13	--	31.72	--	--	--	100.00
Average Retail Price (cents/kWh).....	8.61	8.41	NA	9.55	NA	NA	NA	8.87

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Data are shown for All Sectors. Full Service Providers sell bundled electricity services (e.g., both energy and delivery) to end users. Full Service Providers may purchase electricity from others (such as independent Power Producers or other full service providers) prior to delivery. Other Providers sell either the energy or the delivery services, but not both. Sales volumes and customer counts shown for Other Providers refer to delivered electricity, which is a joint activity of both energy and delivery providers; for clarity, they are reported only in the Energy column in this table. The revenue shown under Other Providers represents the revenue realized from the sale of the energy and the delivery services distinctly. "Public" entities include municipalities, State power agencies, and municipal marketing authorities. Federal entities are either owned or financed by the Federal Government. "Cooperatives" are electric utilities legally established to be owned by and operated for the benefit of those using its services. The cooperative will generate, transmit and/or distribute supplies of electric energy to a specified area not being serviced by another utility. "Non-utility" sales represent direct electricity transactions from independent generators to end use consumers. Totals may not equal sum of components because of independent rounding.

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

**Table 10. Supply and Disposition of Electricity, 2000 and 2004 Through 2010**  
(Million Kilowatthours)

Category	2000	2004	2005	2006	2007	2008	2009	2010
<b>Georgia</b>								
<b>Supply</b> .....								
<b>Generation</b> .....								
Electric Utilities .....	116,177	117,919	126,445	127,368	132,832	126,031	115,075	120,426
Independent Power Producers .....	1,431	3,861	4,913	5,164	6,843	5,431	9,080	12,115
Combined Heat and Power, Electric .....	664	33	141	178	274	114	25	178
<b>Electric Power Sector Generation Subtotal</b> .....	<b>118,271</b>	<b>121,813</b>	<b>131,499</b>	<b>132,709</b>	<b>139,949</b>	<b>131,576</b>	<b>124,180</b>	<b>132,719</b>
Combined Heat and Power, Commercial .....	24	3	10	4	4	2	24	23
Combined Heat and Power, Industrial.....	5,582	4,997	5,159	5,297	5,202	4,596	4,494	4,835
<b>Industrial and Commercial Generation Subtotal</b> .....	<b>5,606</b>	<b>5,000</b>	<b>5,169</b>	<b>5,301</b>	<b>5,206</b>	<b>4,598</b>	<b>4,518</b>	<b>4,858</b>
<b>Total Net Generation</b> .....	<b>123,877</b>	<b>126,813</b>	<b>136,668</b>	<b>138,010</b>	<b>145,155</b>	<b>136,173</b>	<b>128,698</b>	<b>137,577</b>
<b>Total Supply</b> .....	<b>123,877</b>	<b>126,813</b>	<b>136,668</b>	<b>138,010</b>	<b>145,155</b>	<b>136,173</b>	<b>128,698</b>	<b>137,577</b>
<b>Disposition</b> .....								
<b>Retail Sales</b> .....								
Full Service Providers .....	119,185	129,466	132,265	134,834	137,454	135,174	130,766	140,672
<b>Total Electric Industry Retail Sales</b> .....	<b>119,185</b>	<b>129,466</b>	<b>132,265</b>	<b>134,834</b>	<b>137,454</b>	<b>135,174</b>	<b>130,766</b>	<b>140,672</b>
<b>Direct Use</b> .....	<b>5,610</b>	<b>5,563</b>	<b>5,092</b>	<b>5,421</b>	<b>5,138</b>	<b>4,650</b>	<b>4,546</b>	<b>4,868</b>
<b>Estimated Losses</b> .....	<b>8,483</b>	<b>20,462</b>	<b>11,285</b>	<b>9,251</b>	<b>12,187</b>	<b>13,166</b>	<b>11,268</b>	<b>11,423</b>
<b>Net Interstate Trade</b> <sup>1</sup> .....	<b>-9,400</b>	<b>-28,678</b>	<b>-11,975</b>	<b>-11,496</b>	<b>-9,624</b>	<b>-16,815</b>	<b>-17,881</b>	<b>-19,386</b>
<b>Total Disposition</b> .....	<b>123,877</b>	<b>126,813</b>	<b>136,668</b>	<b>138,010</b>	<b>145,155</b>	<b>136,173</b>	<b>128,698</b>	<b>137,577</b>
<b>Net Trade Index (ratio)</b> <sup>2</sup> .....	<b>0.93</b>	<b>0.82</b>	<b>0.92</b>	<b>0.92</b>	<b>0.94</b>	<b>0.89</b>	<b>0.88</b>	<b>0.88</b>

<sup>1</sup> Net Interstate Trade = Total Supply - (Total Electric Industry Retail Sales + Direct Use + Total International Exports (if applies) + Estimated Losses).

<sup>2</sup> Net Trade Index is the sum of Total Supply / (Total Disposition - Net Interstate Trade).

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. Beginning with publication year 2010, Total disposition has been reorganized to include Net Interstate Trade. Therefore, Total Disposition equals Total Supply.

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. 2010 Summary Statistics**

Item	Value	U.S. Rank
<b>Hawaii</b>		
NERC Region(s).....		--
Primary Energy Source.....		Petroleum
Net Summer Capacity (megawatts) .....	2,536	47
Electric Utilities.....	1,828	40
Independent Power Producers & Combined Heat and Power.....	708	47
Net Generation (megawatthours).....	10,836,036	45
Electric Utilities.....	6,416,068	38
Independent Power Producers & Combined Heat and Power.....	4,419,968	38
Emissions (thousand metric tons) .....		
Sulfur Dioxide .....	17	36
Nitrogen Oxide .....	21	36
Carbon Dioxide.....	8,287	42
Sulfur Dioxide (lbs/MWh) .....	3.4	16
Nitrogen Oxide (lbs/MWh) .....	4.3	2
Carbon Dioxide (lbs/MWh).....	1,686	13
Total Retail Sales (megawatthours) .....	10,016,509	48
Full Service Provider Sales (megawatthours) .....	10,016,509	44
Direct Use (megawatthours) .....	471,529	33
Average Retail Price (cents/kWh).....	25.12	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, 2010**

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
<b>Hawaii</b>			
1. Kahe.....	Petroleum	Hawaiian Electric Co Inc	582
2. Waiiau.....	Petroleum	Hawaiian Electric Co Inc	457
3. Kalaehoa Cogen Plant .....	Petroleum	Kalaehoa Partners LP	214
4. Maalaea.....	Petroleum	Maui Electric Co Ltd	205
5. AES Hawaii .....	Coal	AES Hawaii Inc	180
6. Campbell Industrial Park Generating Station.....	Petroleum	Hawaiian Electric Co Inc	113
7. Honolulu .....	Petroleum	Hawaiian Electric Co Inc	100
8. Port Allen.....	Petroleum	Kauai Island Utility Cooperative	90
9. Keahole.....	Petroleum	Hawaii Electric Light Co Inc	79
10. Hamakua Energy Plant .....	Petroleum	Hamakua Energy Partners LP	61

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, 2010**  
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
<b>Hawaii</b>						
1. Hawaiian Electric Co Inc.....	Investor-Owned	7,277,229	1,975,743	2,414,613	2,886,873	-
2. Maui Electric Co Ltd.....	Investor-Owned	1,191,559	423,326	378,061	390,172	-
3. Hawaii Electric Light Co Inc.....	Investor-Owned	1,109,783	430,942	443,059	235,782	-
4. Kauai Island Utility Cooperative.....	Cooperative	434,533	159,426	115,447	159,660	-
5. Gay & Robinson Inc.....	Facility	3,405	62	3,343	-	-
Total Sales, Top Five Providers.....		10,016,509	2,989,499	3,354,523	3,672,487	-
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, 2000 and 2004 Through 2010**  
(Megawatts)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Hawaii</b>										
<b>Electric Utilities.....</b>	<b>1,626</b>	<b>1,691</b>	<b>1,705</b>	<b>1,730</b>	<b>1,730</b>	<b>1,730</b>	<b>1,859</b>	<b>1,828</b>	<b>68.1</b>	<b>72.1</b>
Petroleum.....	1,621	1,687	1,699	1,724	1,724	1,724	1,740	1,711	67.9	67.5
Hydroelectric.....	4	2	4	4	4	4	4	4	0.1	0.2
Other Renewables <sup>1</sup> .....	2	2	2	2	2	2	115	113	0.1	4.5
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>761</b>	<b>620</b>	<b>653</b>	<b>684</b>	<b>705</b>	<b>707</b>	<b>706</b>	<b>708</b>	<b>31.9</b>	<b>27.9</b>
Coal.....	213	180	180	180	180	180	180	180	8.9	7.1
Petroleum.....	331	262	296	296	296	296	295	296	13.9	11.7
Other Gases <sup>2</sup> .....	8	9	9	9	9	9	9	9	0.3	0.4
Hydroelectric.....	23	21	20	20	20	20	20	20	1.0	0.8
Other Renewables <sup>1</sup> .....	186	149	149	180	201	202	202	203	7.8	8.0
<b>Total Electric Industry.....</b>	<b>2,388</b>	<b>2,311</b>	<b>2,358</b>	<b>2,414</b>	<b>2,436</b>	<b>2,437</b>	<b>2,565</b>	<b>2,536</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	213	180	180	180	180	180	180	180	8.9	7.1
Petroleum.....	1,952	1,949	1,994	2,019	2,020	2,019	2,034	2,007	81.7	79.1
Other Gases <sup>2</sup> .....	8	9	9	9	9	9	9	9	0.3	0.4
Hydroelectric.....	26	22	24	24	24	24	24	24	1.1	0.9
Other Renewables <sup>1</sup> .....	189	151	151	182	203	205	318	316	7.9	12.5

<sup>1</sup> Other Renewables includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>2</sup> Other gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

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, 2000 and 2004 Through 2010**  
(Megawatthours)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Hawaii</b>										
<b>Electric Utilities.....</b>	<b>6,534,692</b>	<b>6,982,469</b>	<b>6,915,159</b>	<b>7,040,473</b>	<b>6,928,397</b>	<b>6,700,636</b>	<b>6,509,550</b>	<b>6,416,068</b>	<b>61.7</b>	<b>59.2</b>
Petroleum.....	6,516,929	6,971,259	6,904,293	7,015,977	6,913,231	6,682,593	6,262,182	6,178,666	61.5	57.0
Hydroelectric .....	15,114	9,724	9,169	23,656	14,729	17,872	28,608	16,719	0.1	0.2
Other Renewables <sup>1</sup> .....	2,649	1,486	1,697	840	437	171	3,362	1,615	*	*
Other <sup>2</sup> .....	-	-	-	-	-	-	215,398	219,068	-	2.0
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>4,058,711</b>	<b>4,427,934</b>	<b>4,607,646</b>	<b>4,518,701</b>	<b>4,604,953</b>	<b>4,675,749</b>	<b>4,500,983</b>	<b>4,419,968</b>	<b>38.3</b>	<b>40.8</b>
Coal.....	1,578,585	1,603,751	1,630,918	1,548,595	1,578,931	1,647,592	1,500,166	1,545,513	14.9	14.3
Petroleum.....	1,534,853	1,973,437	2,163,299	2,038,497	2,000,976	1,987,341	2,026,925	1,908,670	14.5	17.6
Other Gases <sup>3</sup> .....	42,173	47,908	41,133	42,757	45,226	38,572	22,345	21,915	0.4	0.2
Hydroelectric .....	88,344	84,177	87,019	96,431	77,614	66,471	84,041	53,704	0.8	0.5
Other Renewables <sup>1</sup> .....	814,756	548,129	536,272	616,802	752,910	776,626	701,473	745,353	7.7	6.9
Other <sup>2</sup> .....	-	170,532	149,006	175,619	149,295	159,146	166,033	144,812	-	1.3
<b>Total Electric Industry.....</b>	<b>10,593,403</b>	<b>11,410,403</b>	<b>11,522,805</b>	<b>11,559,174</b>	<b>11,533,350</b>	<b>11,376,385</b>	<b>11,010,533</b>	<b>10,836,036</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	1,578,585	1,603,751	1,630,918	1,548,595	1,578,931	1,647,592	1,500,166	1,545,513	14.9	14.3
Petroleum.....	8,051,782	8,944,696	9,067,592	9,054,474	8,914,207	8,669,934	8,289,107	8,087,337	76.0	74.6
Other Gases <sup>3</sup> .....	42,173	47,908	41,133	42,757	45,226	38,572	22,345	21,915	0.4	0.2
Hydroelectric .....	103,458	93,901	96,188	120,087	92,343	84,343	112,649	70,423	1.0	0.6
Other Renewables <sup>1</sup> .....	817,405	549,615	537,969	617,642	753,347	776,797	704,835	746,968	7.7	6.9
Other <sup>2</sup> .....	-	170,532	149,006	175,619	149,295	159,146	381,432	363,880	-	3.4

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>2</sup> Other includes non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

<sup>3</sup> Other gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

\* = 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.

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

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, 2000 and 2004 Through 2010**

Fuel, Quality	2000	2004	2005	2006	2007	2008	2009	2010
<b>Hawaii</b>								
Coal (cents per million Btu) .....	-	W	W	W	W	W	W	279
Average heat value (Btu per pound).....	-	11,097	10,975	10,943	10,871	10,669	10,640	10,562
Average sulfur Content (percent) .....	-	0.49	0.55	0.51	0.47	0.66	0.65	0.62
Petroleum (cents per million Btu) <sup>1</sup> .....	504	W	W	W	W	W	W	1,443
Average heat value (Btu per gallon).....	149,702	140,629	135,093	134,674	134,890	143,850	144,283	144,438
Average sulfur Content (percent) .....	0.45	0.45	0.34	0.33	0.34	0.36	0.36	0.32

<sup>1</sup> 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, 2000 and 2004 Through 2010**  
(Thousand Metric Tons)

Emission Type	2000	2004	2005	2006	2007	2008	2009	2010
<b>Hawaii</b>								
<b>Sulfur Dioxide .....</b>								
Coal.....	11	1	1	1	1	2	2	1
Petroleum.....	39	22	20	21	21	20	21	15
Other Renewables <sup>1</sup> .....	*	*	*	*	*	*	*	*
Other <sup>2</sup> .....	1	*	*	*	*	*	*	*
Total.....	51	24	21	22	22	21	22	17
<b>Nitrogen Oxide .....</b>								
Coal.....	3	1	1	1	1	1	1	1
Petroleum.....	22	26	27	27	21	19	20	18
Other Gases.....	*	*	*	*	*	*	*	*
Other Renewables <sup>1</sup> .....	*	1	*	*	*	*	*	*
Other <sup>2</sup> .....	1	1	1	1	1	1	1	1
Total.....	26	29	30	29	23	22	22	21
<b>Carbon Dioxide .....</b>								
Coal.....	1,641	1,739	1,602	1,538	1,605	1,664	1,578	1,590
Petroleum.....	6,818	7,245	7,341	7,379	7,228	7,139	6,837	6,476
Other Gases.....	*	-	-	-	-	-	-	-
Geothermal .....	7	5	6	5	6	6	4	5
Other Renewables <sup>1</sup> .....	-	-	-	-	-	-	-	121
Other <sup>2</sup> .....	213	213	184	215	187	238	242	95
Total.....	8,679	9,203	9,132	9,138	9,026	9,048	8,661	8,287

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, and other biomass.

<sup>2</sup> Other includes non-biogenic municipal solid waste, tire-derived fuels, and miscellaneous technologies.

\* = 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.

Note: CO2 emissions for the historical years 1998 - 2008 have been revised due to changes in emission factors.

Sources: Calculations made by the Electric Power Systems and Reliability Team; Office of Electricity, Renewables, and Uranium Statistics; U. S. Energy Information Administration.

**Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 2000 and 2004 Through 2010**

Sector	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Hawaii</b>										
<b>Retail Sales (thousand megawatthours) .....</b>										
Residential .....	2,765	3,162	3,164	3,182	3,201	3,085	3,055	2,989	28.5	29.8
Commercial .....	3,036	3,632	3,463	3,490	3,520	3,501	3,388	3,355	31.3	33.5
Industrial .....	3,834	3,937	3,912	3,896	3,864	3,804	3,683	3,672	39.6	36.7
Other .....	56	NA	NA	NA	NA	NA	NA	NA	0.6	--
All Sectors .....	9,691	10,732	10,539	10,568	10,585	10,390	10,126	10,017	100.0	100.0
<b>Retail Revenue (million dollars) .....</b>										
Residential .....	454	571	655	743	772	1,003	739	840	33.4	33.4
Commercial .....	450	588	659	748	771	1,040	741	870	33.1	34.6
Industrial .....	448	526	618	700	710	991	668	806	33.0	32.0
Other .....	8	NA	NA	NA	NA	NA	NA	NA	0.6	--
All Sectors .....	1,360	1,685	1,932	2,190	2,253	3,034	2,148	2,516	100.0	100.0
<b>Average Retail Prices (cents/kWh) .....</b>										
Residential .....	16.41	18.06	20.70	23.35	24.12	32.50	24.20	28.10	--	--
Commercial .....	14.81	16.19	19.04	21.42	21.91	29.72	21.86	25.93	--	--
Industrial .....	11.69	13.35	15.79	17.96	18.38	26.05	18.14	21.94	--	--
Other .....	14.76	NA	NA	NA	NA	NA	NA	NA	--	--
All Sectors .....	14.03	15.70	18.33	20.72	21.29	29.20	21.21	25.12	--	--

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, 2010**

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
<b>Hawaii</b>								
Number of Entities .....	3	NA	NA	1	1	NA	NA	5
Number of Retail Customers .....	443,236	NA	NA	32,482	15	NA	NA	475,733
Retail Sales (thousand megawatthours) .....	9,579	NA	NA	435	3	NA	NA	10,017
Percentage of Retail Sales .....	95.63	--	--	4.34	0.03	--	--	100.00
Revenue from Retail Sales (million dollars) .....	2,361	NA	NA	155	*	NA	NA	2,516
Percentage of Revenue .....	93.83	--	--	6.16	*	--	--	100.00
Average Retail Price (cents/kWh) .....	24.64	NA	NA	35.69	1.70	NA	NA	25.12

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: 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. "Non-utility" sales represent direct electricity transactions from independent generators to end use consumers. Totals may not equal sum of components because of independent rounding.

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

**Table 10. Supply and Disposition of Electricity, 2000 and 2004 Through 2010**  
(Million Kilowatthours)

Category	2000	2004	2005	2006	2007	2008	2009	2010
<b>Hawaii</b>								
<b>Supply</b> .....								
<b>Generation</b> .....								
Electric Utilities .....	6,535	6,982	6,915	7,040	6,928	6,701	6,510	6,416
Independent Power Producers .....	656	267	280	349	508	901	804	762
Combined Heat and Power, Electric .....	2,860	3,568	3,769	3,566	3,525	3,190	3,122	2,945
<b>Electric Power Sector Generation Subtotal</b> .....	<b>10,051</b>	<b>10,818</b>	<b>10,964</b>	<b>10,956</b>	<b>10,961</b>	<b>10,792</b>	<b>10,435</b>	<b>10,123</b>
Combined Heat and Power, Commercial .....	-	325	293	339	304	330	323	313
Combined Heat and Power, Industrial.....	543	267	266	264	268	255	253	400
<b>Industrial and Commercial Generation Subtotal</b> .....	<b>543</b>	<b>593</b>	<b>559</b>	<b>603</b>	<b>573</b>	<b>584</b>	<b>576</b>	<b>713</b>
<b>Total Net Generation</b> .....	<b>10,593</b>	<b>11,410</b>	<b>11,523</b>	<b>11,559</b>	<b>11,533</b>	<b>11,376</b>	<b>11,011</b>	<b>10,836</b>
<b>Total Supply</b> .....	<b>10,593</b>	<b>11,410</b>	<b>11,523</b>	<b>11,559</b>	<b>11,533</b>	<b>11,376</b>	<b>11,011</b>	<b>10,836</b>
<b>Disposition</b> .....								
<b>Retail Sales</b> .....								
Full Service Providers .....	9,691	10,510	10,539	10,568	10,585	10,390	10,126	10,013
Facility Direct Retail Sales <sup>1</sup> .....	-	221	*	-	*	*	*	3
<b>Total Electric Industry Retail Sales</b> .....	<b>9,691</b>	<b>10,732</b>	<b>10,539</b>	<b>10,568</b>	<b>10,585</b>	<b>10,390</b>	<b>10,126</b>	<b>10,017</b>
<b>Direct Use</b> .....	<b>485</b>	<b>481</b>	<b>398</b>	<b>365</b>	<b>338</b>	<b>396</b>	<b>524</b>	<b>472</b>
<b>Estimated Losses</b> .....	<b>690</b>	<b>523<sup>R</sup></b>	<b>643</b>	<b>681</b>	<b>766</b>	<b>717</b>	<b>642</b>	<b>623</b>
<b>Net Interstate Trade</b> <sup>2</sup> .....	<b>-272</b>	<b>-325</b>	<b>-57</b>	<b>-55</b>	<b>-157</b>	<b>-127</b>	<b>-282</b>	<b>-275</b>
<b>Total Disposition</b> .....	<b>10,593</b>	<b>11,410</b>	<b>11,523</b>	<b>11,559</b>	<b>11,533</b>	<b>11,376</b>	<b>11,011</b>	<b>10,836</b>
<b>Net Trade Index (ratio)</b> <sup>3</sup> .....	<b>0.97</b>	<b>0.97</b>	<b>1.00</b>	<b>1.00</b>	<b>0.99</b>	<b>0.99</b>	<b>0.98</b>	<b>0.98</b>

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

<sup>2</sup> Net Interstate Trade = Total Supply - (Total Electric Industry Retail Sales + Direct Use + Total International Exports (if applies) + Estimated Losses).

<sup>3</sup> Net Trade Index is the sum of Total Supply / (Total Disposition - Net Interstate Trade).

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. Beginning with publication year 2010, Total disposition has been reorganized to include Net Interstate Trade. Therefore, Total Disposition equals Total Supply.

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. 2010 Summary Statistics**

Item	Value	U.S. Rank
<b>Idaho</b>		
NERC Region(s).....		WECC
Primary Energy Source.....		Hydroelectric
Net Summer Capacity (megawatts) .....	3,990	44
Electric Utilities.....	3,035	36
Independent Power Producers & Combined Heat and Power.....	955	42
Net Generation (megawatthours).....	12,024,564	44
Electric Utilities.....	8,589,208	37
Independent Power Producers & Combined Heat and Power.....	3,435,356	40
Emissions (thousand metric tons) .....		
Sulfur Dioxide .....	7	45
Nitrogen Oxide .....	4	48
Carbon Dioxide.....	1,213	49
Sulfur Dioxide (lbs/MWh) .....	1.2	39
Nitrogen Oxide (lbs/MWh) .....	0.8	43
Carbon Dioxide (lbs/MWh).....	222	50
Total Retail Sales (megawatthours) .....	22,797,668	38
Full Service Provider Sales (megawatthours) .....	22,797,668	37
Direct Use (megawatthours) .....	552,273	31
Average Retail Price (cents/kWh).....	6.54	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, 2010**

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
<b>Idaho</b>			
1. Brownlee.....	Hydroelectric	Idaho Power Co	744
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	247
6. Palisades .....	Hydroelectric	U S Bureau of Reclamation	176
7. Bennett Mountain .....	Gas	Idaho Power Co	164
8. Rathdrum .....	Gas	Avista Corp	132
9. Goshen Phase II.....	Other Renewables	AE Power Services LLC	125
10. American Falls.....	Hydroelectric	Idaho Power Co	110

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, 2010**  
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
1. Idaho Power Co .....	Investor-Owned	12,883,563	4,777,822	3,616,109	4,489,632	-
2. Avista Corp.....	Investor-Owned	3,388,733	1,179,482	998,465	1,210,786	-
3. PacifiCorp.....	Investor-Owned	3,326,294	705,128	396,715	2,224,451	-
4. Idaho Falls City of .....	Public	695,314	296,989	310,392	87,933	-
5. Kootenai Electric Coop Inc .....	Cooperative	401,940	278,185	97,959	25,796	-
Total Sales, Top Five Providers .....		20,695,844	7,237,606	5,419,640	8,038,598	-
Percent of Total State Sales .....		91	89	92	91	-

- (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, 2000 and 2004 Through 2010**  
(Megawatts)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Electric Utilities.....</b>	<b>2,585</b>	<b>2,394</b>	<b>2,558</b>	<b>2,558</b>	<b>2,547</b>	<b>2,686</b>	<b>3,029</b>	<b>3,035</b>	<b>85.7</b>	<b>76.1</b>
Petroleum.....	6	5	5	5	5	5	5	5	0.2	0.1
Natural Gas .....	136	212	376	376	376	536	543	543	4.5	13.6
Hydroelectric .....	2,444	2,176	2,176	2,176	2,166	2,144	2,481	2,486	81.0	62.3
<b>Independent Power Producers and Combined Heat and Power .....</b>	<b>432</b>	<b>592</b>	<b>602</b>	<b>652</b>	<b>649</b>	<b>692</b>	<b>729</b>	<b>955</b>	<b>14.3</b>	<b>23.9</b>
Coal.....	18	17	17	17	17	17	17	17	0.6	0.4
Natural Gas .....	24	269	269	269	269	269	269	269	0.8	6.7
Hydroelectric .....	251	214	214	201	202	202	202	218	8.3	5.5
Other Renewables <sup>1</sup> .....	125	77	88	150	146	189	227	436	4.1	10.9
Other <sup>2</sup> .....	15	15	15	15	15	15	15	15	0.5	0.4
<b>Total Electric Industry.....</b>	<b>3,017</b>	<b>2,986</b>	<b>3,160</b>	<b>3,210</b>	<b>3,196</b>	<b>3,378</b>	<b>3,758</b>	<b>3,990</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	18	17	17	17	17	17	17	17	0.6	0.4
Petroleum.....	6	5	5	5	5	5	5	5	0.2	0.1
Natural Gas .....	160	481	645	645	645	805	812	812	5.3	20.3
Hydroelectric .....	2,695	2,391	2,390	2,378	2,367	2,346	2,682	2,704	89.3	67.8
Other Renewables <sup>1</sup> .....	125	77	88	150	146	189	227	436	4.1	10.9
Other <sup>2</sup> .....	15	15	15	15	15	15	15	15	0.5	0.4

<sup>1</sup> Other Renewables includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>2</sup> Other includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

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, 2000 and 2004 Through 2010**  
(Megawatthours)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Idaho</b>										
<b>Electric Utilities.....</b>	<b>10,114,257</b>	<b>7,765,655</b>	<b>8,032,438</b>	<b>10,495,090</b>	<b>8,611,890</b>	<b>8,893,983</b>	<b>9,977,502</b>	<b>8,589,208</b>	<b>84.9</b>	<b>71.4</b>
Petroleum.....	2,792	136	5	144	134	120	41	74	*	*
Natural Gas.....	-	27,775	73,353	94,504	240,504	230,189	286,865	170,231	-	1.4
Hydroelectric.....	10,111,465	7,737,744	7,959,080	10,400,442	8,371,252	8,663,674	9,690,596	8,418,903	84.9	70.0
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>1,796,185</b>	<b>3,097,384</b>	<b>2,792,546</b>	<b>2,890,995</b>	<b>2,872,201</b>	<b>3,076,570</b>	<b>3,122,650</b>	<b>3,435,356</b>	<b>15.1</b>	<b>28.6</b>
Coal.....	70,675	99,203	95,181	82,302	83,564	90,449	82,565	88,278	0.6	0.7
Petroleum.....	4,156	-	-	-	-	-	-	-	*	-
Natural Gas.....	299,053	1,676,048	1,523,927	1,203,891	1,416,751	1,469,364	1,356,730	1,519,001	2.5	12.6
Hydroelectric.....	855,230	723,911	583,041	841,930	650,438	698,827	743,668	735,341	7.2	6.1
Other Renewables <sup>1</sup> .....	483,258	560,280	559,631	689,957	652,849	748,412	867,316	1,014,010	4.1	8.4
Other <sup>2</sup> .....	83,813	37,942	30,766	72,916	68,599	69,517	72,371	78,726	0.7	0.7
<b>Total Electric Industry.....</b>	<b>11,910,442</b>	<b>10,863,039</b>	<b>10,824,984</b>	<b>13,386,085</b>	<b>11,484,091</b>	<b>11,970,553</b>	<b>13,100,152</b>	<b>12,024,564</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	70,675	99,203	95,181	82,302	83,564	90,449	82,565	88,278	0.6	0.7
Petroleum.....	6,948	136	5	144	134	120	41	74	0.1	*
Natural Gas.....	299,053	1,703,823	1,597,280	1,298,395	1,657,255	1,699,553	1,643,595	1,689,232	2.5	14.0
Hydroelectric.....	10,966,695	8,461,655	8,542,121	11,242,372	9,021,690	9,362,501	10,434,264	9,154,244	92.1	76.1
Other Renewables <sup>1</sup> .....	483,258	560,280	559,631	689,957	652,849	748,412	867,316	1,014,010	4.1	8.4
Other <sup>2</sup> .....	83,813	37,942	30,766	72,916	68,599	69,517	72,371	78,726	0.7	0.7

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>2</sup> Other includes non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

\* = 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.

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

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, 2000 and 2004 Through 2010**

Fuel, Quality	2000	2004	2005	2006	2007	2008	2009	2010
<b>Idaho</b>								
Coal (cents per million Btu) .....	-	-	-	-	-	W	W	295
Average heat value (Btu per pound).....	-	-	-	-	-	9,947	10,963	11,727
Average sulfur Content (percent) .....	-	-	-	-	-	0.85	1.34	1.79
Petroleum (cents per million Btu) <sup>1</sup> .....	-	-	-	-	-	NM	1,409	1,770
Average heat value (Btu per gallon).....	-	-	-	-	-	NM	138,024	138,117
Average sulfur Content (percent) .....	-	-	-	-	-	NM	0.13	0.14
Natural Gas (cents per million Btu).....	-	W	W	W	W	W	463	453
Average heat value (Btu per cubic foot).....	-	1,024	1,015	1,021	1,024	1,017	1,016	1,018

<sup>1</sup> 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, 2000 and 2004 Through 2010**  
(Thousand Metric Tons)

Emission Type	2000	2004	2005	2006	2007	2008	2009	2010
<b>Idaho</b>								
<b>Sulfur Dioxide</b> .....								
Coal.....	3	4	2	2	4	3	1	3
Petroleum.....	*	-	-	-	-	-	-	-
Natural Gas.....	*	*	*	*	*	*	*	*
Other Renewables <sup>1</sup> .....	3	3	3	3	3	3	3	3
Total.....	6	7	5	5	7	6	5	7
<b>Nitrogen Oxide</b> .....								
Coal.....	1	2	1	1	2	2	1	2
Petroleum.....	*	*	*	*	*	*	*	*
Natural Gas.....	1	1	1	*	*	*	*	*
Other Renewables <sup>1</sup> .....	1	1	1	1	1	1	1	2
Other <sup>2</sup> .....	*	*	*	*	*	-	-	-
Total.....	4	4	2	2	4	3	2	4
<b>Carbon Dioxide</b> .....								
Coal.....	338	491	500	281	492	258	242	474
Petroleum.....	19	*	*	*	*	*	*	*
Natural Gas.....	471	818	845	601	792	757	780	737
Geothermal.....	-	-	-	-	-	2	2	2
Total.....	828	1,309	1,345	882	1,284	1,017	1,024	1,213

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, and other biomass.

<sup>2</sup> Other includes non-biogenic municipal solid waste, tire-derived fuels, and miscellaneous technologies.

\* = 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.

Note: CO2 emissions for the historical years 1998 - 2008 have been revised due to changes in emission factors.

Sources: Calculations made by the Electric Power Systems and Reliability Team; Office of Electricity, Renewables, and Uranium Statistics; U. S. Energy Information Administration.

**Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 2000 and 2004 Through 2010**

Sector	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Idaho</b>										
<b>Retail Sales (thousand megawatthours) .....</b>										
Residential .....	7,006	7,314	7,601	8,057	8,339	8,540	8,554	8,137	30.7	35.7
Commercial .....	7,068	5,484	5,615	5,813	6,015	6,049	6,005	5,865	31.0	25.7
Industrial .....	8,408	9,011	8,636	8,891	9,401	9,313	8,195	8,796	36.8	38.6
Other .....	352	NA	NA	NA	NA	NA	NA	NA	1.5	--
All Sectors .....	22,834	21,809	21,853	22,762	23,755	23,901	22,754	22,798	100.0	100.0
<b>Retail Revenue (million dollars) .....</b>										
Residential .....	377	446	478	500	530	597	667	650	39.6	43.6
Commercial .....	300	294	304	300	309	346	389	389	31.4	26.1
Industrial .....	262	344	337	321	364	418	424	453	27.5	30.3
Other .....	15	NA	NA	NA	NA	NA	NA	NA	1.5	--
All Sectors .....	953	1,085	1,120	1,121	1,204	1,361	1,481	1,492	100.0	100.0
<b>Average Retail Prices (cents/kWh) .....</b>										
Residential .....	5.39	6.10	6.29	6.21	6.36	6.99	7.80	7.99	--	--
Commercial .....	4.24	5.37	5.42	5.16	5.14	5.72	6.49	6.64	--	--
Industrial .....	3.11	3.82	3.91	3.61	3.87	4.48	5.17	5.15	--	--
Other .....	4.13	NA	NA	NA	NA	NA	NA	NA	--	--
All Sectors .....	4.17	4.97	5.12	4.92	5.07	5.69	6.51	6.54	--	--

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, 2010**

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
<b>Idaho</b>								
Number of Entities .....	3	11	1	17	1	NA	NA	33
Number of Retail Customers .....	665,720	43,314	-	82,997	1	NA	NA	792,032
Retail Sales (thousand megawatthours) .....	19,599	1,097	-	1,992	110	NA	NA	22,798
Percentage of Retail Sales .....	85.97	4.81	-	8.74	0.48	--	--	100.00
Revenue from Retail Sales (million dollars) .....	1,286	65	-	137	4	NA	NA	1,492
Percentage of Revenue .....	86.19	4.36	-	9.21	0.24	--	--	100.00
Average Retail Price (cents/kWh) .....	6.56	5.93	-	6.90	3.24	NA	NA	6.54

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

- (dash) = Data not available.

Notes: Data are shown for All Sectors. Full Service Providers sell bundled electricity services (e.g., both energy and delivery) to end users. Full Service Providers may purchase electricity from others (such as independent Power Producers or other full service providers) prior to delivery. Other Providers sell either the energy or the delivery services, but not both. Sales volumes and customer counts shown for Other Providers refer to delivered electricity, which is a joint activity of both energy and delivery providers; for clarity, they are reported only in the Energy column in this table. The revenue shown under Other Providers represents the revenue realized from the sale of the energy and the delivery services distinctly. "Public" entities include municipalities, State power agencies, and municipal marketing authorities. Federal entities are either owned or financed by the Federal Government. "Cooperatives" are electric utilities legally established to be owned by and operated for the benefit of those using its services. The cooperative will generate, transmit and/or distribute supplies of electric energy to a specified area not being serviced by another utility. "Non-utility" sales represent direct electricity transactions from independent generators to end use consumers. Totals may not equal sum of components because of independent rounding.

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



**Table 10. Supply and Disposition of Electricity, 2000 and 2004 Through 2010**  
(Million Kilowatthours)

Category	2000	2004	2005	2006	2007	2008	2009	2010
<b>Idaho</b>								
<b>Supply</b> .....								
<b>Generation</b> .....								
Electric Utilities .....	10,114	7,766	8,032	10,495	8,612	8,894	9,978	8,589
Independent Power Producers .....	855	2,175	1,895	2,042	2,098	2,361	2,324	2,674
Combined Heat and Power, Electric .....	194	248	240	214	177	134	192	156
<b>Electric Power Sector Generation Subtotal</b> .....	<b>11,163</b>	<b>10,188</b>	<b>10,167</b>	<b>12,751</b>	<b>10,888</b>	<b>11,389</b>	<b>12,494</b>	<b>11,419</b>
Combined Heat and Power, Industrial.....	747	675	658	635	596	581	607	606
<b>Industrial and Commercial Generation Subtotal</b> .....	<b>747</b>	<b>675</b>	<b>658</b>	<b>635</b>	<b>596</b>	<b>581</b>	<b>607</b>	<b>606</b>
<b>Total Net Generation</b> .....	<b>11,910</b>	<b>10,863</b>	<b>10,825</b>	<b>13,386</b>	<b>11,484</b>	<b>11,971</b>	<b>13,100</b>	<b>12,025</b>
<b>Total International Imports</b> .....	<b>127</b>	<b>33</b>	<b>89</b>	<b>40</b>	<b>100</b>	<b>54</b>	<b>14</b>	<b>5</b>
<b>Total Supply</b> .....	<b>12,037</b>	<b>10,896</b>	<b>10,914</b>	<b>13,426</b>	<b>11,584</b>	<b>12,025</b>	<b>13,114</b>	<b>12,029</b>
<b>Disposition</b> .....								
<b>Retail Sales</b> .....								
Full Service Providers .....	22,834	21,767	21,853	22,762	23,755	23,893	22,754	22,688
Energy-Only Providers .....	-	41	-	-	-	-	-	-
Facility Direct Retail Sales <sup>1</sup> .....	-	-	-	-	-	8	-	110
<b>Total Electric Industry Retail Sales</b> .....	<b>22,834</b>	<b>21,809</b>	<b>21,853</b>	<b>22,762</b>	<b>23,755</b>	<b>23,901</b>	<b>22,754</b>	<b>22,798</b>
<b>Direct Use</b> .....	<b>688</b>	<b>711</b>	<b>550</b>	<b>605</b>	<b>663</b>	<b>613</b>	<b>623</b>	<b>552</b>
<b>Total International Exports</b> .....	<b>1</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>56</b>	<b>89</b>	<b>59</b>	<b>28</b>
<b>Estimated Losses</b> .....	<b>1,625</b>	<b>1,969</b>	<b>1,917<sup>R</sup></b>	<b>2,073</b>	<b>2,305</b>	<b>2,367</b>	<b>2,012</b>	<b>1,972</b>
<b>Net Interstate Trade</b> <sup>2</sup> .....	<b>-13,111</b>	<b>-13,593</b>	<b>-13,406</b>	<b>-12,014</b>	<b>-15,195</b>	<b>-14,945</b>	<b>-12,333</b>	<b>-13,321</b>
<b>Total Disposition</b> .....	<b>12,037</b>	<b>10,896</b>	<b>10,914</b>	<b>13,426</b>	<b>11,584</b>	<b>12,025</b>	<b>13,114</b>	<b>12,029</b>
<b>Net Trade Index (ratio)</b> <sup>3</sup> .....	<b>0.48</b>	<b>0.44</b>	<b>0.45</b>	<b>0.53</b>	<b>0.43</b>	<b>0.45</b>	<b>0.52</b>	<b>0.47</b>

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

<sup>2</sup> Net Interstate Trade = Total Supply - (Total Electric Industry Retail Sales + Direct Use + Total International Exports (if applies) + Estimated Losses).

<sup>3</sup> Net Trade Index is the sum of Total Supply / (Total Disposition - Net Interstate Trade).

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. Beginning with publication year 2010, Total disposition has been reorganized to include Net Interstate Trade. Therefore, Total Disposition equals Total Supply.

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. 2010 Summary Statistics**

Item	Value	U.S. Rank
<b>Illinois</b>		
NERC Region(s).....		MRO/RFC/SERC
Primary Energy Source.....		Nuclear
Net Summer Capacity (megawatts) .....	<b>44,127</b>	<b>5</b>
Electric Utilities.....	4,800	35
Independent Power Producers & Combined Heat and Power.....	39,327	3
Net Generation (megawatthours).....	<b>201,351,872</b>	<b>5</b>
Electric Utilities.....	12,418,332	35
Independent Power Producers & Combined Heat and Power.....	188,933,540	3
Emissions (thousand metric tons) .....		
Sulfur Dioxide .....	232	9
Nitrogen Oxide.....	83	8
Carbon Dioxide.....	103,128	6
Sulfur Dioxide (lbs/MWh) .....	2.5	25
Nitrogen Oxide (lbs/MWh) .....	0.9	38
Carbon Dioxide (lbs/MWh).....	1,129	34
Total Retail Sales (megawatthours).....	<b>144,760,674</b>	<b>6</b>
Full Service Provider Sales (megawatthours) .....	77,890,532	19
Energy-Only Provider Sales (megawatthours).....	66,870,142	1
Direct Use (megawatthours) .....	<b>3,715,097</b>	<b>9</b>
Average Retail Price (cents/kWh).....	<b>9.13</b>	<b>24</b>

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, 2010**

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
<b>Illinois</b>			
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	1,785
5. Quad Cities Generating Station .....	Nuclear	Exelon Nuclear	1,774
6. 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	1,197
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, 2010**  
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
1. Commonwealth Edison Co.....	Investor-Owned	43,609,598	29,165,528	13,286,378	1,157,692	-
2. Ameren Illinois Company .....	Investor-Owned	18,479,621	12,339,630	4,731,804	1,389,194	18,993
3. Exelon Energy Company.....	Other Provider	12,362,839	-	11,666,356	-	696,483
4. MidAmerican Energy Co .....	Investor-Owned	12,106,522	697,796	5,200,919	6,207,807	-
5. Constellation NewEnergy, Inc.....	Other Provider	8,491,065	-	5,309,426	3,164,396	17,243
Total Sales, Top Five Providers .....		95,049,645	42,202,954	40,194,883	11,919,089	732,719
Percent of Total State Sales .....		66	87	78	27	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, 2000 and 2004 Through 2010**  
(Megawatts)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Illinois</b>										
<b>Electric Utilities.....</b>	<b>17,495</b>	<b>2,994</b>	<b>3,987</b>	<b>4,742</b>	<b>4,642</b>	<b>4,691</b>	<b>4,830</b>	<b>4,800</b>	<b>48.1</b>	<b>10.9</b>
Coal.....	5,473	1,859	1,844	1,844	1,767	1,833	1,998	1,993	15.1	4.5
Petroleum.....	867	401	399	399	377	381	372	372	2.4	0.8
Natural Gas.....	1,229	722	1,729	2,485	2,483	2,462	2,442	2,417	3.4	5.5
Nuclear.....	9,915	-	-	-	-	-	-	-	27.3	-
Hydroelectric.....	12	12	13	13	13	13	13	13	*	*
Other Renewables <sup>1</sup> .....	-	-	2	2	2	2	5	5	-	*
<b>Independent Power Producers and Combined Heat and Power .....</b>	<b>18,849</b>	<b>39,038</b>	<b>38,542</b>	<b>37,547</b>	<b>38,089</b>	<b>38,515</b>	<b>39,204</b>	<b>39,327</b>	<b>51.9</b>	<b>89.1</b>
Coal.....	10,754	13,832	13,945	13,887	13,815	13,819	13,854	13,558	29.6	30.7
Petroleum.....	534	754	754	744	720	719	719	735	1.5	1.7
Natural Gas.....	6,431	12,800	12,138	11,220	11,226	11,409	11,364	11,354	17.7	25.7
Other Gases <sup>2</sup> .....	52	47	47	47	47	40	47	125	0.1	0.3
Nuclear.....	930	11,379	11,388	11,379	11,379	11,379	11,441	11,441	2.6	25.9
Hydroelectric.....	21	21	20	20	20	20	20	21	0.1	*
Other Renewables <sup>1</sup> .....	126	184	231	230	882	1,110	1,739	2,073	0.3	4.7
Other <sup>3</sup> .....	-	20	20	20	-	20	20	20	-	*
<b>Total Electric Industry.....</b>	<b>36,344</b>	<b>42,032</b>	<b>42,530</b>	<b>42,289</b>	<b>42,731</b>	<b>43,206</b>	<b>44,033</b>	<b>44,127</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	16,227	15,691	15,789	15,731	15,582	15,653	15,852	15,551	44.6	35.2
Petroleum.....	1,401	1,155	1,154	1,143	1,097	1,099	1,090	1,106	3.9	2.5
Natural Gas.....	7,660	13,522	13,867	13,705	13,709	13,870	13,806	13,771	21.1	31.2
Other Gases <sup>2</sup> .....	52	47	47	47	47	40	47	125	0.1	0.3
Nuclear.....	10,845	11,379	11,388	11,379	11,379	11,379	11,441	11,441	29.8	25.9
Hydroelectric.....	33	33	33	33	33	34	34	34	0.1	0.1
Other Renewables <sup>1</sup> .....	126	184	232	231	884	1,112	1,744	2,078	0.3	4.7
Other <sup>3</sup> .....	-	20	20	20	-	20	20	20	-	*

<sup>1</sup> Other Renewables includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>2</sup> Other gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

<sup>3</sup> Other includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

\* = 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, 2000 and 2004 Through 2010**  
(Megawatthours)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Illinois</b>										
<b>Electric Utilities.....</b>	<b>113,565,741</b>	<b>19,184,751</b>	<b>10,767,684</b>	<b>11,094,235</b>	<b>9,977,633</b>	<b>3,811,235</b>	<b>10,633,876</b>	<b>12,418,332</b>	<b>63.6</b>	<b>6.2</b>
Coal.....	30,522,951	18,923,288	10,103,378	10,622,870	9,150,501	3,405,766	10,395,045	11,854,420	17.1	5.9
Petroleum.....	141,130	120,725	137,746	45,626	25,128	10,978	27,767	25,279	0.1	*
Natural Gas.....	215,826	62,240	456,421	325,382	713,867	330,366	162,303	487,045	0.1	0.2
Nuclear.....	82,523,594	-	-	-	-	-	-	-	46.2	-
Hydroelectric.....	60,354	72,165	61,879	84,682	67,950	60,233	45,482	43,487	*	*
Other Renewables <sup>1</sup> .....	101,886	6,333	8,260	15,675	20,187	3,892	3,279	8,101	0.1	*
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>64,930,340</b>	<b>172,773,027</b>	<b>183,352,462</b>	<b>181,332,723</b>	<b>190,283,048</b>	<b>195,663,943</b>	<b>183,230,482</b>	<b>188,933,540</b>	<b>36.4</b>	<b>93.8</b>
Coal.....	51,799,881	75,478,340	82,161,812	81,025,894	86,114,412	93,238,273	79,571,815	81,756,945	29.0	40.6
Petroleum.....	491,890	641,615	189,444	90,121	106,539	131,750	84,764	84,465	0.3	*
Natural Gas.....	4,449,737	3,331,072	6,657,830	4,953,616	6,827,660	3,929,503	4,332,416	5,236,689	2.5	2.6
Other Gases <sup>2</sup> .....	384,398	246,008	198,799	148,822	134,271	53,874	88,374	160,645	0.2	0.1
Nuclear.....	6,914,455	92,047,323	93,263,001	94,154,140	95,728,845	95,151,694	95,473,920	96,189,587	3.9	47.8
Hydroelectric.....	83,474	81,364	67,158	88,590	85,777	78,316	90,898	75,056	*	*
Other Renewables <sup>1</sup> .....	806,505	815,666	774,621	833,157	1,264,565	3,031,085	3,526,473	5,130,058	0.5	2.5
Other <sup>3</sup> .....	-	131,640	39,797	38,383	20,978	49,448	61,820	300,095	-	0.1
<b>Total Electric Industry.....</b>	<b>178,496,081</b>	<b>191,957,778</b>	<b>194,120,146</b>	<b>192,426,958</b>	<b>200,260,681</b>	<b>199,475,178</b>	<b>193,864,357</b>	<b>201,351,872</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	82,322,832	94,401,628	92,265,190	91,648,764	95,264,914	96,644,038	89,966,860	93,611,365	46.1	46.5
Petroleum.....	633,020	762,340	327,190	135,747	131,667	142,728	112,531	109,744	0.4	0.1
Natural Gas.....	4,665,563	3,393,312	7,114,251	5,278,998	7,541,527	4,259,870	4,494,720	5,723,733	2.6	2.8
Other Gases <sup>2</sup> .....	384,398	246,008	198,799	148,822	134,271	53,874	88,374	160,645	0.2	0.1
Nuclear.....	89,438,049	92,047,323	93,263,001	94,154,140	95,728,845	95,151,694	95,473,920	96,189,587	50.1	47.8
Hydroelectric.....	143,828	153,529	129,037	173,272	153,727	138,549	136,380	118,543	0.1	0.1
Other Renewables <sup>1</sup> .....	908,391	821,999	782,881	848,832	1,284,752	3,034,977	3,529,752	5,138,159	0.5	2.6
Other <sup>3</sup> .....	-	131,640	39,797	38,383	20,978	49,448	61,820	300,095	-	0.1

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>2</sup> Other gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

<sup>3</sup> Other includes non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

\* = 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.

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

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, 2000 and 2004 Through 2010**

Fuel, Quality	2000	2004	2005	2006	2007	2008	2009	2010
<b>Illinois</b>								
Coal (cents per million Btu) .....	115	115	119	126	134	158	165	170
Average heat value (Btu per pound).....	9,690	9,120	9,015	8,937	8,962	8,892	8,876	8,896
Average sulfur Content (percent) .....	1.11	0.65	0.62	0.53	0.52	0.50	0.48	0.50
Petroleum (cents per million Btu) <sup>1</sup> .....	324	464	1,286	1,465	1,744	2,432	1,505	1,765
Average heat value (Btu per gallon).....	96,874	143,595	137,405	141,102	137,319	137,310	137,181	137,507
Average sulfur Content (percent) .....	2.23	1.91	0.72	0.23	0.25	0.21	0.20	0.12
Natural Gas (cents per million Btu).....	469	638	873	717	708	967	517	529
Average heat value (Btu per cubic foot).....	1,031	1,013	1,019	1,021	1,019	1,012	1,008	1,010

<sup>1</sup> 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, 2000 and 2004 Through 2010**  
(Thousand Metric Tons)

Emission Type	2000	2004	2005	2006	2007	2008	2009	2010
<b>Illinois</b>								
<b>Sulfur Dioxide .....</b>								
Coal.....	484	384	351	308	301	344	237	231
Petroleum.....	15	2	1	*	1	*	*	*
Natural Gas.....	*	*	*	*	*	*	*	*
Other Gases.....	*	*	*	*	*	*	*	*
Other Renewables <sup>1</sup> .....	*	*	*	*	*	*	*	*
Other <sup>2</sup> .....	1	1	*	*	*	*	*	*
Total.....	499	387	351	309	302	345	237	232
<b>Nitrogen Oxide .....</b>								
Coal.....	218	136	121	113	111	113	70	74
Petroleum.....	4	1	*	*	*	*	*	*
Natural Gas.....	11	6	4	5	4	2	2	2
Other Gases.....	*	*	*	*	*	*	*	*
Other Renewables <sup>1</sup> .....	4	5	6	4	5	6	6	7
Other <sup>2</sup> .....	*	*	*	*	*	*	*	*
Total.....	237	149	131	122	120	121	78	83
<b>Carbon Dioxide .....</b>								
Coal.....	89,336	99,347	97,856	97,774	101,733	103,435	96,188	99,643
Petroleum.....	988	802	362	139	117	116	98	88
Natural Gas.....	4,203	2,540	4,097	3,084	4,402	2,798	2,629	3,335
Other <sup>2</sup> .....	217	135	64	77	47	81	60	62
Total.....	94,743	102,825	102,379	101,074	106,299	106,430	98,975	103,128

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, and other biomass.

<sup>2</sup> Other includes non-biogenic municipal solid waste, tire-derived fuels, and miscellaneous technologies.

\* = 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 \*).

Note: CO2 emissions for the historical years 1998 - 2008 have been revised due to changes in emission factors.

Sources: Calculations made by the Electric Power Systems and Reliability Team; Office of Electricity, Renewables, and Uranium Statistics; U. S. Energy Information Administration.

**Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 2000 and 2004 Through 2010**

Sector	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Illinois</b>										
<b>Retail Sales (thousand megawatthours) .....</b>										
Residential .....	40,146	43,443	48,593	46,381	48,036	46,780	44,324	48,583	29.8	33.6
Commercial .....	43,855	47,358	49,977	50,631	52,043	51,770	50,329	51,437	32.6	35.5
Industrial .....	40,939	48,008	45,888	44,916	45,430	45,503	41,507	44,180	30.4	30.5
Other .....	9,756	NA	NA	NA	NA	NA	NA	NA	7.2	--
Transportation.....	NA	445	528	519	545	566	527	560	--	0.4
All Sectors .....	134,697	139,254	144,986	142,448	146,055	144,620	136,688	144,761	100.0	100.0
<b>Retail Revenue (million dollars).....</b>										
Residential .....	3,546	3,638	4,055	3,907	4,863	5,178	4,996	5,599	37.9	42.4
Commercial .....	3,207	3,570	3,875	4,025	4,462	6,104	4,526	4,567	34.3	34.6
Industrial .....	2,043	2,232	2,115	2,106	3,001	2,067	2,841	3,013	21.9	22.8
Other .....	549	NA	NA	NA	NA	NA	NA	NA	5.9	--
Transportation.....	NA	25	30	29	35	41	44	38	--	0.3
All Sectors .....	9,345	9,465	10,074	10,067	12,361	13,390	12,407	13,216	100.0	100.0
<b>Average Retail Prices (cents/kWh) .....</b>										
Residential .....	8.83	8.37	8.34	8.42	10.12	11.07	11.27	11.52	--	--
Commercial .....	7.31	7.54	7.75	7.95	8.57	11.79	8.99	8.88	--	--
Industrial .....	4.99	4.65	4.61	4.69	6.61	4.54	6.84	6.82	--	--
Other .....	5.63	NA	NA	NA	NA	NA	NA	NA	--	--
Transportation.....	NA	5.70	5.61	5.59	6.43	7.23	8.32	6.71	--	--
All Sectors .....	6.94	6.80	6.95	7.07	8.46	9.26	9.08	9.13	--	--

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, 2010**

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
<b>Illinois</b>								
Number of Entities.....	4	41	NA	27	2	22	3	99
Number of Retail Customers .....	5,002,644	266,641	NA	297,909	298	87,327	NA	5,654,819
Retail Sales (thousand megawatthours).....	64,250	6,888	NA	6,288	465	66,870	NA	144,761
Percentage of Retail Sales .....	44.38	4.76	--	4.34	0.32	46.19	--	100.00
Revenue from Retail Sales (million dollars) .....	6,888	650	NA	682	14	4,100	883	13,216
Percentage of Revenue .....	52.11	4.92	--	5.16	0.11	31.02	6.68	100.00
Average Retail Price (cents/kWh).....	10.72	9.43	NA	10.85	3.10	6.13	1.32	9.13

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Data are shown for All Sectors. Full Service Providers sell bundled electricity services (e.g., both energy and delivery) to end users. Full Service Providers may purchase electricity from others (such as independent Power Producers or other full service providers) prior to delivery. Other Providers sell either the energy or the delivery services, but not both. Sales volumes and customer counts shown for Other Providers refer to delivered electricity, which is a joint activity of both energy and delivery providers; for clarity, they are reported only in the Energy column in this table. The revenue shown under Other Providers represents the revenue realized from the sale of the energy and the delivery services distinctly. "Public" entities include municipalities, State power agencies, and municipal marketing authorities. Federal entities are either owned or financed by the Federal Government. "Cooperatives" are electric utilities legally established to be owned by and operated for the benefit of those using its services. The cooperative will generate, transmit and/or distribute supplies of electric energy to a specified area not being serviced by another utility. "Non-utility" sales represent direct electricity transactions from independent generators to end use consumers. Totals may not equal sum of components because of independent rounding.

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

**Table 10. Supply and Disposition of Electricity, 2000 and 2004 Through 2010**  
(Million Kilowatthours)

Category	2000	2004	2005	2006	2007	2008	2009	2010
<b>Illinois</b>								
<b>Supply</b> .....								
<b>Generation</b> .....								
Electric Utilities .....	113,566	19,185	10,768	11,094	9,978	3,811	10,634	12,418
Independent Power Producers .....	60,977	168,824	179,260	177,412	186,235	192,080	179,908	185,278
Combined Heat and Power, Electric .....	788	551	618	593	619	552	531	485
<b>Electric Power Sector Generation Subtotal</b> .....	<b>175,331</b>	<b>188,560</b>	<b>190,646</b>	<b>189,099</b>	<b>196,832</b>	<b>196,443</b>	<b>191,073</b>	<b>198,181</b>
Combined Heat and Power, Commercial .....	251	579	506	498	536	523	440	432
Combined Heat and Power, Industrial.....	2,914	2,819	2,969	2,830	2,894	2,508	2,351	2,738
<b>Industrial and Commercial Generation Subtotal</b> .....	<b>3,165</b>	<b>3,398</b>	<b>3,474</b>	<b>3,328</b>	<b>3,429</b>	<b>3,032</b>	<b>2,791</b>	<b>3,171</b>
<b>Total Net Generation</b> .....	<b>178,496</b>	<b>191,958</b>	<b>194,120</b>	<b>192,427</b>	<b>200,261</b>	<b>199,475</b>	<b>193,864</b>	<b>201,352</b>
<b>Total International Imports</b> .....	-	2	1	-	66	53	9	1
<b>Total Supply</b> .....	<b>178,496</b>	<b>191,960</b>	<b>194,121</b>	<b>192,427</b>	<b>200,327</b>	<b>199,528</b>	<b>193,874</b>	<b>201,353</b>
<b>Disposition</b> .....								
<b>Retail Sales</b> .....								
Full Service Providers .....	125,596	111,671	117,048	115,938	84,608	78,982	73,703	77,426
Energy-Only Providers.....	9,101	27,067	27,938	26,510	61,447	65,121	62,494	66,870
Facility Direct Retail Sales <sup>1</sup> .....	-	516	-	-	-	516	492	465
<b>Total Electric Industry Retail Sales</b> .....	<b>134,697</b>	<b>139,254</b>	<b>144,986</b>	<b>142,448</b>	<b>146,055</b>	<b>144,620</b>	<b>136,688</b>	<b>144,761</b>
<b>Direct Use</b> .....	<b>5,084</b>	<b>4,280</b>	<b>3,568</b>	<b>3,606</b>	<b>3,587</b>	<b>3,350</b>	<b>3,289</b>	<b>3,715</b>
<b>Total International Exports</b> .....	-	18	19	*	6	10	2	-
<b>Estimated Losses</b> .....	<b>9,587</b>	<b>9,550</b>	<b>11,119</b>	<b>11,159</b>	<b>10,678</b>	<b>9,444</b>	<b>7,913<sup>R</sup></b>	<b>7,619</b>
<b>Net Interstate Trade</b> <sup>2</sup> .....	<b>29,128</b>	<b>38,858<sup>R</sup></b>	<b>34,429</b>	<b>35,213</b>	<b>40,001</b>	<b>42,104</b>	<b>45,981</b>	<b>45,257</b>
<b>Total Disposition</b> .....	<b>178,496</b>	<b>191,960</b>	<b>194,121</b>	<b>192,427</b>	<b>200,327</b>	<b>199,528</b>	<b>193,874</b>	<b>201,353</b>
<b>Net Trade Index (ratio)</b> <sup>3</sup> .....	<b>1.20</b>	<b>1.25</b>	<b>1.22</b>	<b>1.22</b>	<b>1.25</b>	<b>1.27</b>	<b>1.31</b>	<b>1.29</b>

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

<sup>2</sup> Net Interstate Trade = Total Supply - (Total Electric Industry Retail Sales + Direct Use + Total International Exports (if applies) + Estimated Losses).

<sup>3</sup> Net Trade Index is the sum of Total Supply / (Total Disposition - Net Interstate Trade).

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. Beginning with publication year 2010, Total disposition has been reorganized to include Net Interstate Trade. Therefore, Total Disposition equals Total Supply.

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. 2010 Summary Statistics**

Item	Value	U.S. Rank
<b>Indiana</b>		
NERC Region(s).....		<b>RFC</b>
Primary Energy Source.....		<b>Coal</b>
Net Summer Capacity (megawatts) .....	<b>27,638</b>	<b>13</b>
Electric Utilities.....	23,008	8
Independent Power Producers & Combined Heat and Power.....	4,630	23
Net Generation (megawatthours).....	<b>125,180,739</b>	<b>11</b>
Electric Utilities.....	107,852,560	5
Independent Power Producers & Combined Heat and Power.....	17,328,179	20
Emissions (thousand metric tons) .....		
Sulfur Dioxide .....	385	4
Nitrogen Oxide .....	120	4
Carbon Dioxide.....	116,283	5
Sulfur Dioxide (lbs/MWh) .....	6.8	4
Nitrogen Oxide (lbs/MWh) .....	2.1	12
Carbon Dioxide (lbs/MWh).....	2,048	4
Total Retail Sales (megawatthours) .....	<b>105,994,376</b>	<b>11</b>
Full Service Provider Sales (megawatthours) .....	105,994,376	8
Direct Use (megawatthours) .....	<b>7,997,274</b>	<b>4</b>
Average Retail Price (cents/kWh).....	<b>7.67</b>	<b>39</b>

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, 2010**

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
<b>Indiana</b>			
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	1,724
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. Merom .....	Coal	Hoosier Energy R E C, Inc	1,005
10. Tanners Creek.....	Coal	Indiana Michigan Power Co	990

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, 2010**  
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
<b>Indiana</b>						
1. Duke Energy Indiana Inc.....	Investor-Owned	28,258,839	9,627,037	8,531,725	10,100,077	-
2. Northern Indiana Pub Serv Co.....	Investor-Owned	16,190,907	3,625,579	4,086,569	8,459,042	19,717
3. Indiana Michigan Power Co.....	Investor-Owned	15,764,697	4,805,950	4,365,413	6,593,334	-
4. Indianapolis Power & Light Co.....	Investor-Owned	14,609,152	5,501,419	2,016,566	7,091,167	-
5. Southern Indiana Gas & Elec Co.....	Investor-Owned	5,616,867	1,603,508	1,383,083	2,630,276	-
Total Sales, Top Five Providers.....		80,440,462	25,163,493	20,383,356	34,873,896	19,717
Percent of Total State Sales.....		76	72	84	75	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, 2000 and 2004 Through 2010**  
(Megawatts)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Indiana</b>										
<b>Electric Utilities.....</b>	<b>20,554</b>	<b>21,126</b>	<b>22,017</b>	<b>22,021</b>	<b>22,012</b>	<b>23,598</b>	<b>23,631</b>	<b>23,008</b>	<b>85.9</b>	<b>83.2</b>
Coal.....	18,734	18,426	18,455	18,428	18,416	18,401	18,434	17,774	78.3	64.3
Petroleum.....	471	479	479	487	487	487	486	486	2.0	1.8
Natural Gas.....	1,290	2,162	3,024	3,024	3,020	4,620	4,616	4,371	5.4	15.8
Other Gases <sup>1</sup> .....	-	-	-	-	-	-	-	274	-	1.0
Hydroelectric.....	59	59	60	60	60	60	60	60	0.2	0.2
Other Renewables <sup>2</sup> .....	-	-	-	22	30	30	36	44	-	0.2
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>3,378</b>	<b>5,608</b>	<b>4,966</b>	<b>4,968</b>	<b>5,009</b>	<b>3,480</b>	<b>4,318</b>	<b>4,630</b>	<b>14.1</b>	<b>16.8</b>
Coal.....	657	1,290	1,290	1,290	1,344	1,320	1,323	1,323	2.7	4.8
Petroleum.....	20	11	11	16	16	16	17	18	0.1	0.1
Natural Gas.....	2,029	3,664	3,030	3,028	3,028	1,387	1,387	1,395	8.5	5.0
Other Gases <sup>1</sup> .....	639	624	617	626	612	618	545	545	2.7	2.0
Other Renewables <sup>2</sup> .....	32	19	19	9	9	140	1,046	1,349	0.1	4.9
<b>Total Electric Industry.....</b>	<b>23,932</b>	<b>26,734</b>	<b>26,984</b>	<b>26,990</b>	<b>27,021</b>	<b>27,079</b>	<b>27,949</b>	<b>27,638</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	19,391	19,716	19,745	19,718	19,759	19,721	19,757	19,096	81.0	69.1
Petroleum.....	492	490	490	503	503	503	503	504	2.1	1.8
Natural Gas.....	3,320	5,826	6,054	6,052	6,048	6,007	6,003	5,766	13.9	20.9
Other Gases <sup>1</sup> .....	639	624	617	626	612	618	545	819	2.7	3.0
Hydroelectric.....	59	59	60	60	60	60	60	60	0.2	0.2
Other Renewables <sup>2</sup> .....	32	19	19	31	39	170	1,081	1,393	0.1	5.0

<sup>1</sup> Other gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

<sup>2</sup> Other Renewables includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

- (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, 2000 and 2004 Through 2010**  
(Megawatthours)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Indiana</b>										
<b>Electric Utilities.....</b>	<b>119,721,399</b>	<b>114,690,471</b>	<b>117,373,699</b>	<b>117,643,504</b>	<b>116,727,908</b>	<b>115,887,993</b>	<b>103,594,020</b>	<b>107,852,560</b>	<b>93.7</b>	<b>86.2</b>
Coal.....	117,619,535	112,899,892	115,413,188	116,284,183	114,974,642	114,321,205	101,000,267	103,204,599	92.0	82.4
Petroleum.....	845,481	393,135	244,554	134,035	155,132	165,142	132,655	137,977	0.7	0.1
Natural Gas.....	668,107	953,723	1,277,675	561,780	958,345	735,619	1,698,145	3,782,280	0.5	3.0
Hydroelectric.....	588,276	443,721	438,282	489,515	449,936	436,780	503,470	453,712	0.5	0.4
Other Renewables <sup>1</sup> .....	-	-	-	173,991	189,853	229,247	259,483	273,992	-	0.2
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>8,098,117</b>	<b>13,079,925</b>	<b>12,997,874</b>	<b>12,846,284</b>	<b>13,910,091</b>	<b>13,622,301</b>	<b>13,076,260</b>	<b>17,328,179</b>	<b>6.3</b>	<b>13.8</b>
Coal.....	3,858,349	7,771,040	7,420,290	7,361,284	7,828,255	7,714,880	7,311,431	9,123,058	3.0	7.3
Petroleum.....	124,040	32,122	16,240	13,600	14,844	13,103	24,103	16,579	0.1	*
Natural Gas.....	1,386,509	1,484,503	2,337,630	2,120,103	3,053,480	2,900,684	2,131,513	2,692,706	1.1	2.2
Other Gases <sup>2</sup> .....	2,599,337	3,136,317	2,721,577	2,870,099	2,591,406	2,355,804	1,820,065	2,144,140	2.0	1.7
Other Renewables <sup>1</sup> .....	129,882	137,370	67,692	46,221	41,394	282,146	1,446,353	2,971,674	0.1	2.4
Other <sup>3</sup> .....	-	518,574	434,444	434,976	380,711	355,684	342,796	380,021	-	0.3
<b>Total Electric Industry.....</b>	<b>127,819,516</b>	<b>127,770,396</b>	<b>130,371,573</b>	<b>130,489,788</b>	<b>130,637,999</b>	<b>129,510,294</b>	<b>116,670,280</b>	<b>125,180,739</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	121,477,884	120,670,932	122,833,478	123,645,467	122,802,897	122,036,086	108,311,698	112,327,658	95.0	89.7
Petroleum.....	969,521	425,257	260,794	147,635	169,977	178,244	156,757	154,555	0.8	0.1
Natural Gas.....	2,054,616	2,438,226	3,615,305	2,681,883	4,011,824	3,636,303	3,829,658	6,474,986	1.6	5.2
Other Gases <sup>2</sup> .....	2,599,337	3,136,317	2,721,577	2,870,099	2,591,406	2,355,804	1,820,065	2,144,140	2.0	1.7
Hydroelectric.....	588,276	443,721	438,282	489,515	449,936	436,780	503,470	453,712	0.5	0.4
Other Renewables <sup>1</sup> .....	129,882	137,370	67,692	220,212	231,247	511,393	1,705,836	3,245,666	0.1	2.6
Other <sup>3</sup> .....	-	518,574	434,444	434,976	380,711	355,684	342,796	380,021	-	0.3

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>2</sup> Other gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

<sup>3</sup> Other includes non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

\* = 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.

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

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, 2000 and 2004 Through 2010**

Fuel, Quality	2000	2004	2005	2006	2007	2008	2009	2010
<b>Indiana</b>								
Coal (cents per million Btu) .....	108	W	W	W	W	193	202	214
Average heat value (Btu per pound).....	10,604	10,601	10,756	10,638	10,588	10,486	10,470	10,498
Average sulfur Content (percent) .....	1.51	1.53	1.72	1.61	1.74	1.71	1.73	1.76
Petroleum (cents per million Btu) <sup>1</sup> .....	245	W	W	W	W	2,002	W	1,571
Average heat value (Btu per gallon).....	90,071	135,267	139,405	139,621	140,607	139,538	139,436	139,390
Average sulfur Content (percent) .....	2.98	2.31	0.55	0.29	0.34	0.29	0.91	0.29
Natural Gas (cents per million Btu).....	445	621	851	781	752	948	465	489
Average heat value (Btu per cubic foot).....	1,023	1,011	1,018	1,043	1,026	1,015	1,013	1,009

<sup>1</sup> 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, 2000 and 2004 Through 2010 (Thousand Metric Tons)**

Emission Type	2000	2004	2005	2006	2007	2008	2009	2010
<b>Indiana</b>								
<b>Sulfur Dioxide</b> .....								
Coal.....	818	795	801	757	661	554	383	385
Petroleum.....	2	*	*	*	*	*	*	*
Natural Gas.....	*	*	*	*	*	*	*	*
Other Gases.....	*	*	*	*	*	*	*	*
Other <sup>1</sup> .....	1	1	*	-	*	*	*	*
Total.....	821	796	802	758	662	555	384	385
<b>Nitrogen Oxide</b> .....								
Coal.....	306	206	190	187	181	181	104	112
Petroleum.....	2	*	*	*	*	*	*	*
Natural Gas.....	6	2	2	2	2	2	2	2
Other Gases.....	5	5	11	11	10	5	2	3
Other Renewables <sup>2</sup> .....	1	1	1	2	2	3	3	3
Other <sup>1</sup> .....	2	2	*	-	*	*	*	*
Total.....	321	216	204	202	195	191	111	120
<b>Carbon Dioxide</b> .....								
Coal.....	119,971	118,294	120,716	121,204	120,605	121,400	107,758	111,683
Petroleum.....	1,241	496	275	145	154	163	155	144
Natural Gas.....	2,568	1,670	2,374	1,877	2,473	2,747	2,860	4,111
Other Gases.....	*	-	-	-	-	-	-	-
Other Renewables <sup>2</sup> .....	-	-	-	-	-	-	-	193
Other <sup>1</sup> .....	287	308	298	300	56	350	340	151
Total.....	124,067	120,767	123,662	123,527	123,288	124,660	111,113	116,283

<sup>1</sup> Other includes non-biogenic municipal solid waste, tire-derived fuels, and miscellaneous technologies.

<sup>2</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, and other biomass.

\* = 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.

Note: CO2 emissions for the historical years 1998 - 2008 have been revised due to changes in emission factors.

Sources: Calculations made by the Electric Power Systems and Reliability Team; Office of Electricity, Renewables, and Uranium Statistics; U. S. Energy Information Administration.

**Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 2000 and 2004 Through 2010**

Sector	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Indiana</b>										
<b>Retail Sales (thousand megawatthours) .....</b>										
Residential .....	28,649	31,192	33,629	32,286	34,646	33,980	32,548	35,058	29.3	33.1
Commercial .....	20,468	22,957	23,959	23,830	24,768	24,570	23,689	24,365	20.9	23.0
Industrial .....	48,040	48,928	48,944	49,530	49,988	48,411	43,055	46,552	49.1	43.9
Other .....	618	NA	NA	NA	NA	NA	NA	NA	0.6	--
Transportation.....	NA	17	17	18	19	20	20	20	--	*
All Sectors .....	97,775	103,094	106,549	105,664	109,420	106,981	99,312	105,994	100.0	100.0
<b>Retail Revenue (million dollars).....</b>										
Residential .....	1,967	2,277	2,523	2,655	2,862	3,015	3,093	3,350	38.8	41.2
Commercial .....	1,214	1,448	1,573	1,719	1,806	1,921	1,971	2,041	24.0	25.1
Industrial .....	1,829	2,022	2,165	2,451	2,445	2,644	2,501	2,734	36.1	33.6
Other .....	58	NA	NA	NA	NA	NA	NA	NA	1.1	--
Transportation.....	NA	1	2	2	2	2	2	2	--	*
All Sectors .....	5,068	5,749	6,262	6,827	7,115	7,582	7,567	8,127	100.0	100.0
<b>Average Retail Prices (cents/kWh) .....</b>										
Residential .....	6.87	7.30	7.50	8.22	8.26	8.87	9.50	9.56	--	--
Commercial .....	5.93	6.31	6.57	7.21	7.29	7.82	8.32	8.38	--	--
Industrial .....	3.81	4.13	4.42	4.95	4.89	5.46	5.81	5.87	--	--
Other .....	9.37	NA	NA	NA	NA	NA	NA	NA	--	--
Transportation.....	NA	8.76	9.14	9.66	10.09	9.60	9.65	9.21	--	--
All Sectors .....	5.18	5.58	5.88	6.46	6.50	7.09	7.62	7.67	--	--

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, 2010**

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 .....	2,307,816	259,886	NA	535,610	1	NA	NA	3,103,313
Retail Sales (thousand megawatthours).....	84,987	7,864	NA	12,852	291	NA	NA	105,994
Percentage of Retail Sales .....	80.18	7.42	--	12.13	0.27	--	--	100.00
Revenue from Retail Sales (million dollars) .....	6,239	624	NA	1,263	1	NA	NA	8,127
Percentage of Revenue .....	76.76	7.68	--	15.54	0.01	--	--	100.00
Average Retail Price (cents/kWh).....	7.34	7.94	NA	9.83	0.24	NA	NA	7.67

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Data are shown for All Sectors. Full Service Providers sell bundled electricity services (e.g., both energy and delivery) to end users. Full Service Providers may purchase electricity from others (such as independent Power Producers or other full service providers) prior to delivery. Other Providers sell either the energy or the delivery services, but not both. Sales volumes and customer counts shown for Other Providers refer to delivered electricity, which is a joint activity of both energy and delivery providers; for clarity, they are reported only in the Energy column in this table. The revenue shown under Other Providers represents the revenue realized from the sale of the energy and the delivery services distinctly. "Public" entities include municipalities, State power agencies, and municipal marketing authorities. Federal entities are either owned or financed by the Federal Government. "Cooperatives" are electric utilities legally established to be owned by and operated for the benefit of those using its services. The cooperative will generate, transmit and/or distribute supplies of electric energy to a specified area not being serviced by another utility. "Non-utility" sales represent direct electricity transactions from independent generators to end use consumers. Totals may not equal sum of components because of independent rounding.

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

**Table 10. Supply and Disposition of Electricity, 2000 and 2004 Through 2010**  
(Million Kilowatthours)

Category	2000	2004	2005	2006	2007	2008	2009	2010
<b>Indiana</b>								
<b>Supply</b> .....								
<b>Generation</b> .....								
Electric Utilities .....	119,721	114,690	117,374	117,644	116,728	115,888	103,594	107,853
Independent Power Producers .....	3,794	3,268	3,659	3,488	4,518	4,839	4,228	6,464
Combined Heat and Power, Electric .....	1	5,630	5,650	5,526	5,915	5,301	5,984	7,525
<b>Electric Power Sector Generation Subtotal</b> .....	<b>123,516</b>	<b>123,588</b>	<b>126,682</b>	<b>126,657</b>	<b>127,161</b>	<b>126,028</b>	<b>113,806</b>	<b>121,841</b>
Combined Heat and Power, Commercial .....	200	256	250	226	214	218	193	235
Combined Heat and Power, Industrial.....	4,104	3,926	3,440	3,607	3,263	3,265	2,671	3,105
<b>Industrial and Commercial Generation Subtotal</b> .....	<b>4,303</b>	<b>4,182</b>	<b>3,690</b>	<b>3,833</b>	<b>3,477</b>	<b>3,482</b>	<b>2,864</b>	<b>3,340</b>
<b>Total Net Generation</b> .....	<b>127,820</b>	<b>127,770</b>	<b>130,372</b>	<b>130,490</b>	<b>130,638</b>	<b>129,510</b>	<b>116,670</b>	<b>125,181</b>
<b>Total International Imports</b> .....	-	-	12	30	79	23	7	6
<b>Total Supply</b> .....	<b>127,820</b>	<b>127,770</b>	<b>130,383</b>	<b>130,520</b>	<b>130,717</b>	<b>129,533</b>	<b>116,677</b>	<b>125,187</b>
<b>Disposition</b> .....								
<b>Retail Sales</b> .....								
Full Service Providers .....	97,775	103,094	106,549	105,664	109,420	106,777	99,018	105,704
Facility Direct Retail Sales <sup>1</sup> .....	-	-	-	-	-	204	294	291
<b>Total Electric Industry Retail Sales</b> .....	<b>97,775</b>	<b>103,094</b>	<b>106,549</b>	<b>105,664</b>	<b>109,420</b>	<b>106,981</b>	<b>99,312</b>	<b>105,994</b>
<b>Direct Use</b> .....	<b>4,759</b>	<b>4,761</b>	<b>7,349</b>	<b>7,525</b>	<b>7,348</b>	<b>7,896</b>	<b>7,502</b>	<b>7,997</b>
<b>Total International Exports</b> .....	-	-	1	-	102	105	38	5
<b>Estimated Losses</b> .....	<b>6,959</b>	<b>7,094</b>	<b>11,087</b>	<b>6,450</b>	<b>7,900</b>	<b>6,937</b>	<b>6,634</b>	<b>6,978</b>
<b>Net Interstate Trade</b> <sup>2</sup> .....	<b>18,326</b>	<b>12,822<sup>R</sup></b>	<b>5,397</b>	<b>10,881</b>	<b>5,947</b>	<b>7,614</b>	<b>3,191</b>	<b>4,213</b>
<b>Total Disposition</b> .....	<b>127,820</b>	<b>127,770</b>	<b>130,383</b>	<b>130,520</b>	<b>130,717</b>	<b>129,533</b>	<b>116,677</b>	<b>125,187</b>
<b>Net Trade Index (ratio)</b> <sup>3</sup> .....	<b>1.17</b>	<b>1.11</b>	<b>1.04</b>	<b>1.09</b>	<b>1.05</b>	<b>1.06</b>	<b>1.03</b>	<b>1.03</b>

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

<sup>2</sup> Net Interstate Trade = Total Supply - (Total Electric Industry Retail Sales + Direct Use + Total International Exports (if applies) + Estimated Losses).

<sup>3</sup> Net Trade Index is the sum of Total Supply / (Total Disposition - Net Interstate Trade).

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. Beginning with publication year 2010, Total disposition has been reorganized to include Net Interstate Trade. Therefore, Total Disposition equals Total Supply.

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. 2010 Summary Statistics**

Item	Value	U.S. Rank
<b>Iowa</b>		
NERC Region(s).....		MRO/SERC
Primary Energy Source.....		Coal
Net Summer Capacity (megawatts) .....	<b>14,592</b>	<b>28</b>
Electric Utilities.....	11,282	24
Independent Power Producers & Combined Heat and Power.....	3,310	30
Net Generation (megawatthours).....	<b>57,508,721</b>	<b>26</b>
Electric Utilities.....	46,188,988	21
Independent Power Producers & Combined Heat and Power.....	11,319,733	30
Emissions (thousand metric tons) .....		
Sulfur Dioxide .....	108	18
Nitrogen Oxide.....	50	22
Carbon Dioxide.....	47,211	20
Sulfur Dioxide (lbs/MWh) .....	4.1	11
Nitrogen Oxide (lbs/MWh) .....	1.9	14
Carbon Dioxide (lbs/MWh).....	1,810	10
Total Retail Sales (megawatthours) .....	<b>45,445,269</b>	<b>31</b>
Full Service Provider Sales (megawatthours) .....	45,445,269	28
Direct Use (megawatthours) .....	<b>2,283,033</b>	<b>14</b>
Average Retail Price (cents/kWh).....	<b>7.66</b>	<b>40</b>

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, 2010**

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
<b>Iowa</b>			
1. Walter Scott Energy Center.....	Coal	MidAmerican Energy Co	1,660
2. George Neal North.....	Coal	MidAmerican Energy Co	957
3. Louisa .....	Coal	MidAmerican Energy Co	746
4. Ottumwa .....	Coal	Interstate Power and Light Co	696
5. George Neal South.....	Coal	MidAmerican Energy Co	645
6. Duane Arnold Energy Center.....	Nuclear	NextEra Energy Duane Arnold LLC	601
7. Emery Station .....	Gas	Interstate Power and Light Co	518
8. Greater Des Moines.....	Gas	MidAmerican Energy Co	496
9. Pioneer Prairie Wind Farm.....	Other Renewables	Pioneer Prairie Wind Farm I, LLC	300
10. Lansing .....	Coal	Interstate Power and Light Co	268

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, 2010**  
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
1. MidAmerican Energy Co .....	Investor-Owned	19,434,370	5,801,854	5,143,116	8,489,400	-
2. Interstate Power and Light Co.....	Investor-Owned	14,431,751	3,963,933	3,785,557	6,682,261	-
3. Board of Water Electric & Communications .....	Public	844,390	107,829	162,285	574,276	-
4. Eastern Iowa Light & Power Coop .....	Cooperative	637,480	295,211	48,842	293,427	-
5. North West Rural Electric Coop.....	Cooperative	608,926	242,015	363,344	3,567	-
Total Sales, Top Five Providers .....		35,956,917	10,410,842	9,503,144	16,042,931	-
Percent of Total State Sales .....		79	72	79	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, 2000 and 2004 Through 2010**  
(Megawatts)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Electric Utilities.....</b>	<b>8,508</b>	<b>9,895</b>	<b>10,090</b>	<b>9,562</b>	<b>10,669</b>	<b>11,274</b>	<b>11,479</b>	<b>11,282</b>	<b>93.5</b>	<b>77.3</b>
Coal.....	5,920	5,741	5,705	5,666	6,535	6,528	6,529	6,389	65.1	43.8
Petroleum.....	1,001	908	936	935	930	924	921	915	11.0	6.3
Natural Gas.....	932	2,381	2,376	2,370	2,401	2,394	2,345	2,296	10.2	15.7
Nuclear.....	520	563	581	-	-	-	-	-	5.7	-
Hydroelectric.....	131	138	129	129	128	138	141	141	1.4	1.0
Other Renewables <sup>1</sup> .....	4	165	363	462	675	1,290	1,543	1,543	*	10.6
<b>Independent Power Producers and Combined Heat and Power .....</b>	<b>587</b>	<b>978</b>	<b>998</b>	<b>1,581</b>	<b>1,618</b>	<b>2,437</b>	<b>3,101</b>	<b>3,310</b>	<b>6.5</b>	<b>22.7</b>
Coal.....	298	417	432	432	432	400	579	568	3.3	3.9
Petroleum.....	78	89	92	92	93	93	93	93	0.9	0.6
Natural Gas.....	3	5	5	1	1	1	1	4	*	*
Nuclear.....	-	-	-	581	580	580	601	601	-	4.1
Hydroelectric.....	5	2	2	2	3	3	3	3	0.1	*
Other Renewables <sup>1</sup> .....	202	466	467	474	510	1,360	1,824	2,041	2.2	14.0
<b>Total Electric Industry.....</b>	<b>9,095</b>	<b>10,873</b>	<b>11,087</b>	<b>11,143</b>	<b>12,287</b>	<b>13,711</b>	<b>14,579</b>	<b>14,592</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	6,218	6,157	6,137	6,097	6,967	6,928	7,107	6,956	68.4	47.7
Petroleum.....	1,079	996	1,028	1,027	1,023	1,017	1,014	1,007	11.9	6.9
Natural Gas.....	935	2,386	2,381	2,371	2,402	2,395	2,346	2,299	10.3	15.8
Nuclear.....	520	563	581	581	580	580	601	601	5.7	4.1
Hydroelectric.....	136	140	131	131	131	142	144	144	1.5	1.0
Other Renewables <sup>1</sup> .....	206	630	830	936	1,185	2,650	3,367	3,584	2.3	24.6

<sup>1</sup> Other Renewables includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

\* = 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, 2000 and 2004 Through 2010**  
(Megawatthours)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Iowa</b>										
<b>Electric Utilities.....</b>	<b>39,634,091</b>	<b>40,578,049</b>	<b>41,559,024</b>	<b>37,494,674</b>	<b>42,383,472</b>	<b>44,751,377</b>	<b>41,723,059</b>	<b>46,188,988</b>	<b>95.4</b>	<b>80.3</b>
Coal.....	33,851,496	33,757,265	32,807,567	32,855,636	36,470,450	39,231,635	35,964,155	39,367,630	81.5	68.5
Petroleum.....	95,631	99,255	140,559	197,700	296,436	152,372	78,553	145,386	0.2	0.3
Natural Gas.....	323,197	814,295	2,473,558	2,393,816	3,085,253	2,158,823	1,091,328	1,296,718	0.8	2.3
Nuclear.....	4,452,884	4,928,948	4,538,313	-	-	-	-	-	10.7	-
Hydroelectric.....	891,344	936,999	950,094	900,488	961,876	815,654	963,426	939,097	2.1	1.6
Other Renewables <sup>1</sup> .....	19,539	29,404	637,360	1,136,608	1,557,596	2,392,880	3,625,135	4,440,156	*	7.7
Other <sup>2</sup> .....	-	11,883	11,573	10,426	11,861	13	463	-	-	-
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>1,907,919</b>	<b>2,670,140</b>	<b>2,597,136</b>	<b>7,988,788</b>	<b>7,405,745</b>	<b>8,335,409</b>	<b>10,137,004</b>	<b>11,319,733</b>	<b>4.6</b>	<b>19.7</b>
Coal.....	1,215,597	1,514,931	1,444,767	1,549,558	1,515,117	1,178,472	1,387,281	1,915,307	2.9	3.3
Petroleum.....	6,246	9,365	9,009	10,621	15,479	8,755	6,698	8,911	*	*
Natural Gas.....	110,567	10,411	7,312	6,198	5,626	4,368	92,890	15,477	0.3	*
Nuclear.....	-	-	-	5,095,442	4,518,875	5,282,202	4,678,931	4,450,640	-	7.7
Hydroelectric.....	12,666	8,960	9,432	8,860	470	3,393	7,739	9,071	*	*
Other Renewables <sup>1</sup> .....	562,843	1,126,473	1,126,617	1,318,109	1,350,179	1,858,219	3,963,466	4,920,327	1.4	8.6
<b>Total Electric Industry.....</b>	<b>41,542,010</b>	<b>43,248,189</b>	<b>44,156,160</b>	<b>45,483,462</b>	<b>49,789,217</b>	<b>53,086,786</b>	<b>51,860,063</b>	<b>57,508,721</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	35,067,093	35,272,196	34,252,334	34,405,194	37,985,566	40,410,107	37,351,436	41,282,937	84.4	71.8
Petroleum.....	101,877	108,620	149,568	208,321	311,915	161,127	85,251	154,297	0.2	0.3
Natural Gas.....	433,764	824,706	2,480,870	2,400,014	3,090,879	2,163,191	1,184,217	1,312,195	1.0	2.3
Nuclear.....	4,452,884	4,928,948	4,538,313	5,095,442	4,518,875	5,282,202	4,678,931	4,450,640	10.7	7.7
Hydroelectric.....	904,010	945,959	959,526	909,348	962,346	819,047	971,165	948,168	2.2	1.6
Other Renewables <sup>1</sup> .....	582,382	1,155,877	1,763,976	2,454,717	2,907,775	4,251,099	7,588,601	9,360,483	1.4	16.3
Other <sup>2</sup> .....	-	11,883	11,573	10,426	11,861	13	463	-	-	-

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>2</sup> Other includes non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

\* = 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.

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

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, 2000 and 2004 Through 2010**

Fuel, Quality	2000	2004	2005	2006	2007	2008	2009	2010
<b>Iowa</b>								
Coal (cents per million Btu) .....	82	W	W	W	W	127	134	142
Average heat value (Btu per pound).....	8,626	8,665	8,668	8,612	8,619	8,605	8,657	8,585
Average sulfur Content (percent) .....	0.35	0.44	0.42	0.44	0.41	0.41	0.42	0.37
Petroleum (cents per million Btu) <sup>1</sup> .....	643	459	1,077	474	603	1,023	W	878
Average heat value (Btu per gallon).....	138,731	137,162	139,200	134,952	135,219	133,214	136,726	133,860
Average sulfur Content (percent) .....	0.13	2.08	0.28	4.09	4.06	3.44	1.55	3.18
Natural Gas (cents per million Btu).....	455	712	878	778	765	W	W	560
Average heat value (Btu per cubic foot).....	1,003	1,003	1,007	1,009	1,011	1,012	1,009	1,010

<sup>1</sup> 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, 2000 and 2004 Through 2010 (Thousand Metric Tons)**

Emission Type	2000	2004	2005	2006	2007	2008	2009	2010
<b>Iowa</b>								
<b>Sulfur Dioxide .....</b>								
Coal.....	155	135	135	131	134	149	90	104
Petroleum.....	2	1	1	1	1	5	2	4
Natural Gas.....	*	*	*	*	*	*	*	*
Other Renewables <sup>1</sup> .....	-	-	-	-	-	*	*	*
Other <sup>2</sup> .....	*	*	*	*	*	-	-	-
Total.....	157	136	136	132	136	154	92	108
<b>Nitrogen Oxide .....</b>								
Coal.....	82	76	71	61	55	68	43	47
Petroleum.....	1	1	1	1	1	1	*	*
Natural Gas.....	2	1	1	1	1	*	1	1
Other Renewables <sup>1</sup> .....	1	1	1	1	2	2	2	2
Other <sup>2</sup> .....	*	*	*	*	*	-	-	-
Total.....	85	79	75	64	58	71	45	50
<b>Carbon Dioxide .....</b>								
Coal.....	40,996	41,261	39,528	39,916	42,783	44,983	42,155	46,315
Petroleum.....	114	139	178	257	373	192	109	189
Natural Gas.....	770	467	1,150	1,060	1,409	962	713	707
Other <sup>2</sup> .....	3	17	12	11	14	*	-	-
Total.....	41,884	41,883	40,869	41,245	44,579	46,137	42,978	47,211

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, and other biomass.

<sup>2</sup> Other includes non-biogenic municipal solid waste, tire-derived fuels, and miscellaneous technologies.

\* = 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.

Note: CO2 emissions for the historical years 1998 - 2008 have been revised due to changes in emission factors.

Sources: Calculations made by the Electric Power Systems and Reliability Team; Office of Electricity, Renewables, and Uranium Statistics; U. S. Energy Information Administration.

**Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 2000 and 2004 Through 2010**

Sector	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Iowa</b>										
<b>Retail Sales (thousand megawatthours) .....</b>										
Residential .....	12,029	12,625	13,571	13,344	14,060	14,073	13,723	14,555	30.8	32.0
Commercial .....	8,375	10,840	11,271	11,660	12,084	12,178	11,706	12,025	21.4	26.5
Industrial .....	17,127	17,437	17,915	18,331	19,125	19,237	18,211	18,865	43.8	41.5
Other .....	1,558	NA	NA	NA	NA	NA	NA	NA	4.0	--
Transportation.....	NA	NA	NA	1	NA	NA	NA	NA	--	--
All Sectors .....	39,088	40,903	42,757	43,337	45,270	45,488	43,641	45,445	100.0	100.0
<b>Retail Revenue (million dollars).....</b>										
Residential .....	1,007	1,132	1,258	1,285	1,328	1,336	1,371	1,517	43.4	43.6
Commercial .....	551	731	783	850	859	875	884	952	23.7	27.3
Industrial .....	665	756	818	902	906	925	961	1,011	28.7	29.1
Other .....	95	NA	NA	NA	NA	NA	NA	NA	4.1	--
Transportation.....	NA	NA	NA	*	NA	NA	NA	NA	--	--
All Sectors .....	2,319	2,619	2,859	3,038	3,093	3,135	3,215	3,480	100.0	100.0
<b>Average Retail Prices (cents/kWh) .....</b>										
Residential .....	8.37	8.96	9.27	9.63	9.45	9.49	9.99	10.42	--	--
Commercial .....	6.57	6.75	6.95	7.29	7.11	7.18	7.55	7.91	--	--
Industrial .....	3.89	4.33	4.56	4.92	4.74	4.81	5.27	5.36	--	--
Other .....	6.13	NA	NA	NA	NA	NA	NA	NA	--	--
Transportation.....	NA	NA	NA	7.05	NA	NA	NA	NA	--	--
All Sectors .....	5.93	6.40	6.69	7.01	6.83	6.89	7.37	7.66	--	--

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, 2010**

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Number of Entities.....	3	137	NA	43	NA	NA	NA	183
Number of Retail Customers .....	1,121,691	208,973	NA	221,491	NA	NA	NA	1,552,155
Retail Sales (thousand megawatthours).....	33,951	5,306	NA	6,189	NA	NA	NA	45,445
Percentage of Retail Sales .....	74.71	11.67	--	13.62	--	--	--	100.00
Revenue from Retail Sales (million dollars) .....	2,491	425	NA	563	NA	NA	NA	3,480
Percentage of Revenue .....	71.60	12.21	--	16.19	--	--	--	100.00
Average Retail Price (cents/kWh).....	7.34	8.01	NA	9.10	NA	NA	NA	7.66

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Data are shown for All Sectors. Full Service Providers sell bundled electricity services (e.g., both energy and delivery) to end users. Full Service Providers may purchase electricity from others (such as independent Power Producers or other full service providers) prior to delivery. Other Providers sell either the energy or the delivery services, but not both. Sales volumes and customer counts shown for Other Providers refer to delivered electricity, which is a joint activity of both energy and delivery providers; for clarity, they are reported only in the Energy column in this table. The revenue shown under Other Providers represents the revenue realized from the sale of the energy and the delivery services distinctly. "Public" entities include municipalities, State power agencies, and municipal marketing authorities. Federal entities are either owned or financed by the Federal Government. "Cooperatives" are electric utilities legally established to be owned by and operated for the benefit of those using its services. The cooperative will generate, transmit and/or distribute supplies of electric energy to a specified area not being serviced by another utility. "Non-utility" sales represent direct electricity transactions from independent generators to end use consumers. Totals may not equal sum of components because of independent rounding.

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

**Table 10. Supply and Disposition of Electricity, 2000 and 2004 Through 2010**  
(Million Kilowatthours)

Category	2000	2004	2005	2006	2007	2008	2009	2010
<b>Iowa</b>								
<b>Supply</b> .....								
<b>Generation</b> .....								
Electric Utilities .....	39,634	40,578	41,559	37,495	42,383	44,751	41,723	46,189
Independent Power Producers .....	505	1,107	1,103	6,389	5,847	7,113	8,604	9,316
Combined Heat and Power, Electric .....	171	-	-	-	-	-	-	-
<b>Electric Power Sector Generation Subtotal</b> .....	<b>40,309</b>	<b>41,685</b>	<b>42,662</b>	<b>43,884</b>	<b>48,231</b>	<b>51,864</b>	<b>50,327</b>	<b>55,505</b>
Combined Heat and Power, Commercial .....	147	270	278	278	256	244	233	239
Combined Heat and Power, Industrial .....	1,085	1,294	1,216	1,321	1,303	979	1,299	1,765
<b>Industrial and Commercial Generation Subtotal</b> .....	<b>1,233</b>	<b>1,564</b>	<b>1,494</b>	<b>1,599</b>	<b>1,559</b>	<b>1,223</b>	<b>1,533</b>	<b>2,004</b>
<b>Total Net Generation</b> .....	<b>41,542</b>	<b>43,248</b>	<b>44,156</b>	<b>45,483</b>	<b>49,789</b>	<b>53,087</b>	<b>51,860</b>	<b>57,509</b>
<b>Total International Imports</b> .....	-	*	*	-	-	-	-	-
<b>Total Supply</b> .....	<b>41,542</b>	<b>43,248</b>	<b>44,156</b>	<b>45,483</b>	<b>49,789</b>	<b>53,087</b>	<b>51,860</b>	<b>57,509</b>
<b>Disposition</b> .....								
<b>Retail Sales</b> .....								
Full Service Providers .....	39,088	40,616	42,757	43,037	44,939	45,162	43,332	45,445
Facility Direct Retail Sales <sup>1</sup> .....	-	287	-	300	331	326	310	-
<b>Total Electric Industry Retail Sales</b> .....	<b>39,088</b>	<b>40,903</b>	<b>42,757</b>	<b>43,337</b>	<b>45,270</b>	<b>45,488</b>	<b>43,641</b>	<b>45,445</b>
<b>Direct Use</b> .....	<b>1,356</b>	<b>1,352</b>	<b>1,313</b>	<b>1,595</b>	<b>1,318</b>	<b>1,174</b>	<b>1,932</b>	<b>2,283</b>
<b>Total International Exports</b> .....	*	1	1	*	*	-	-	-
<b>Estimated Losses</b> .....	<b>2,782</b>	<b>2,672</b>	<b>2,438</b>	<b>2,902</b>	<b>3,080</b>	<b>2,558</b>	<b>2,432</b>	<b>1,873</b>
<b>Net Interstate Trade</b> <sup>2</sup> .....	<b>-1,683</b>	<b>-1,679</b>	<b>-2,352</b>	<b>-2,351</b>	<b>122</b>	<b>3,867</b>	<b>3,855</b>	<b>7,908</b>
<b>Total Disposition</b> .....	<b>41,542</b>	<b>43,248</b>	<b>44,156</b>	<b>45,483</b>	<b>49,789</b>	<b>53,087</b>	<b>51,860</b>	<b>57,509</b>
<b>Net Trade Index (ratio)</b> <sup>3</sup> .....	<b>0.96</b>	<b>0.96</b>	<b>0.95</b>	<b>0.95</b>	<b>1.00</b>	<b>1.08</b>	<b>1.08</b>	<b>1.16</b>

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

<sup>2</sup> Net Interstate Trade = Total Supply - (Total Electric Industry Retail Sales + Direct Use + Total International Exports (if applies) + Estimated Losses).

<sup>3</sup> Net Trade Index is the sum of Total Supply / (Total Disposition - Net Interstate Trade).

\* = 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. Beginning with publication year 2010, Total disposition has been reorganized to include Net Interstate Trade. Therefore, Total Disposition equals Total Supply.

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. 2010 Summary Statistics**

Item	Value	U.S. Rank
<b>Kansas</b>		
NERC Region(s).....		MRO/SPP
Primary Energy Source.....		Coal
Net Summer Capacity (megawatts) .....	12,543	32
Electric Utilities.....	11,732	20
Independent Power Producers & Combined Heat and Power.....	812	45
Net Generation (megawatthours).....	47,923,762	32
Electric Utilities.....	45,270,047	24
Independent Power Producers & Combined Heat and Power.....	2,653,716	44
Emissions (thousand metric tons) .....		
Sulfur Dioxide .....	41	30
Nitrogen Oxide .....	46	26
Carbon Dioxide.....	36,321	26
Sulfur Dioxide (lbs/MWh) .....	1.9	33
Nitrogen Oxide (lbs/MWh) .....	2.1	13
Carbon Dioxide (lbs/MWh).....	1,671	14
Total Retail Sales (megawatthours) .....	40,420,675	32
Full Service Provider Sales (megawatthours) .....	40,420,675	30
Direct Use (megawatthours) .....	-	50
Average Retail Price (cents/kWh).....	8.35	34

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, 2010**

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
<b>Kansas</b>			
1. Jeffrey Energy Center .....	Coal	Westar Energy Inc	2,164
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	835
5. Emporia Energy Center .....	Gas	Westar Energy Inc	663
6. Lawrence Energy Center .....	Coal	Westar Energy Inc	529
7. Hutchinson Energy Center .....	Gas	Westar Energy Inc	395
8. Holcomb .....	Coal	Sunflower Electric Power Corp	362
9. West Gardner.....	Gas	Kansas City Power & Light Co	310
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, 2010**  
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
1. Kansas Gas & Electric Co .....	Investor-Owned	10,066,554	3,324,443	3,110,495	3,631,616	-
2. Westar Energy Inc .....	Investor-Owned	9,966,039	3,632,630	4,496,614	1,836,795	-
3. Kansas City Power & Light Co.....	Investor-Owned	6,588,997	2,983,778	3,244,133	361,086	-
4. Kansas City City of.....	Public	2,315,087	599,499	950,118	765,470	-
5. Midwest Energy Inc.....	Cooperative	1,366,402	327,961	371,567	666,874	-
Total Sales, Top Five Providers .....		30,303,079	10,868,311	12,172,927	7,261,841	-
Percent of Total State Sales .....		75	76	79	68	-

- (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, 2000 and 2004 Through 2010**  
(Megawatts)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Electric Utilities.....</b>	<b>10,086</b>	<b>10,705</b>	<b>10,734</b>	<b>10,829</b>	<b>10,944</b>	<b>11,246</b>	<b>11,733</b>	<b>11,732</b>	<b>99.5</b>	<b>93.5</b>
Coal.....	5,295	5,222	5,250	5,203	5,208	5,190	5,180	5,179	52.3	41.3
Petroleum.....	522	587	583	565	569	564	564	550	5.2	4.4
Natural Gas.....	3,099	3,729	3,734	3,793	3,900	4,232	4,580	4,546	30.6	36.2
Nuclear.....	1,170	1,166	1,166	1,166	1,166	1,160	1,160	1,160	11.5	9.2
Other Renewables <sup>1</sup> .....	-	1	1	101	101	100	249	297	-	2.4
<b>Independent Power Producers and Combined Heat and Power .....</b>	<b>48</b>	<b>145</b>	<b>295</b>	<b>295</b>	<b>297</b>	<b>746</b>	<b>796</b>	<b>812</b>	<b>0.5</b>	<b>6.5</b>
Petroleum.....	1	-	-	-	-	-	-	-	*	-
Natural Gas.....	44	31	31	31	33	31	31	27	0.4	0.2
Hydroelectric.....	3	3	3	3	3	3	3	3	*	*
Other Renewables <sup>1</sup> .....	-	112	262	262	262	712	762	782	-	6.2
<b>Total Electric Industry.....</b>	<b>10,134</b>	<b>10,850</b>	<b>11,029</b>	<b>11,124</b>	<b>11,241</b>	<b>11,992</b>	<b>12,529</b>	<b>12,543</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	5,295	5,222	5,250	5,203	5,208	5,190	5,180	5,179	52.3	41.3
Petroleum.....	523	587	583	565	569	564	564	550	5.2	4.4
Natural Gas.....	3,143	3,759	3,764	3,824	3,932	4,262	4,611	4,573	31.0	36.5
Nuclear.....	1,170	1,166	1,166	1,166	1,166	1,160	1,160	1,160	11.5	9.2
Hydroelectric.....	3	3	3	3	3	3	3	3	*	*
Other Renewables <sup>1</sup> .....	-	113	263	363	363	812	1,011	1,079	-	8.6

<sup>1</sup> Other Renewables includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

\* = 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, 2000 and 2004 Through 2010**  
(Megawatthours)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Kansas</b>										
<b>Electric Utilities.....</b>	<b>44,764,909</b>	<b>46,409,328</b>	<b>45,421,033</b>	<b>44,621,389</b>	<b>49,256,450</b>	<b>45,275,773</b>	<b>44,443,224</b>	<b>45,270,047</b>	<b>99.9</b>	<b>94.5</b>
Coal.....	32,507,051	34,593,346	34,480,731	33,281,380	36,250,263	34,003,262	32,243,043	32,505,053	72.5	67.8
Petroleum.....	420,746	853,742	986,378	51,142	207,149	130,190	120,761	103,110	0.9	0.2
Natural Gas.....	2,776,278	826,668	1,132,201	1,832,168	2,124,086	2,229,671	2,668,891	2,287,323	6.2	4.8
Nuclear.....	9,060,834	10,132,736	8,820,945	9,350,269	10,369,136	8,497,160	8,768,548	9,555,712	20.2	19.9
Other Renewables <sup>1</sup> .....	-	2,835	778	106,430	305,817	415,490	641,981	818,849	-	1.7
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>50,996</b>	<b>373,331</b>	<b>441,663</b>	<b>902,347</b>	<b>865,745</b>	<b>1,354,548</b>	<b>2,234,084</b>	<b>2,653,716</b>	<b>0.1</b>	<b>5.5</b>
Petroleum.....	626	21	*	-	-	-	-	-	*	-
Natural Gas.....	35,038	4,966	5,281	7,238	8,523	52	-	-	0.1	-
Hydroelectric.....	15,332	12,547	11,337	9,649	10,501	10,574	12,798	13,214	*	*
Other Renewables <sup>1</sup> .....	-	355,797	425,045	885,460	846,721	1,343,922	2,221,286	2,640,502	-	5.5
<b>Total Electric Industry.....</b>	<b>44,815,905</b>	<b>46,782,659</b>	<b>45,862,696</b>	<b>45,523,736</b>	<b>50,122,196</b>	<b>46,630,321</b>	<b>46,677,308</b>	<b>47,923,762</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	32,507,051	34,593,346	34,480,731	33,281,380	36,250,263	34,003,262	32,243,043	32,505,053	72.5	67.8
Petroleum.....	421,372	853,763	986,378	51,142	207,149	130,190	120,761	103,110	0.9	0.2
Natural Gas.....	2,811,316	831,634	1,137,482	1,839,406	2,132,609	2,229,723	2,668,891	2,287,323	6.3	4.8
Nuclear.....	9,060,834	10,132,736	8,820,945	9,350,269	10,369,136	8,497,160	8,768,548	9,555,712	20.2	19.9
Hydroelectric.....	15,332	12,547	11,337	9,649	10,501	10,574	12,798	13,214	*	*
Other Renewables <sup>1</sup> .....	-	358,632	425,823	991,890	1,152,538	1,759,412	2,863,267	3,459,351	-	7.2

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

\* = 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.

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

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, 2000 and 2004 Through 2010**

Fuel, Quality	2000	2004	2005	2006	2007	2008	2009	2010
<b>Kansas</b>								
Coal (cents per million Btu) .....	98	103	112	119	123	141	143	151
Average heat value (Btu per pound).....	8,672	8,626	8,569	8,607	8,582	8,545	8,526	8,569
Average sulfur Content (percent) .....	0.42	0.44	0.44	0.45	0.41	0.39	0.40	0.38
Petroleum (cents per million Btu) <sup>1</sup> .....	400	407	556	485	340	711	W	569
Average heat value (Btu per gallon).....	154,871	156,855	155,174	144,821	137,017	136,552	137,645	137,600
Average sulfur Content (percent) .....	1.52	1.66	1.81	2.79	3.85	3.64	3.64	3.49
Natural Gas (cents per million Btu).....	414	546	770	624	619	W	407	497
Average heat value (Btu per cubic foot).....	1,010	1,008	1,010	1,014	1,020	1,015	1,015	1,016

<sup>1</sup> 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, 2000 and 2004 Through 2010 (Thousand Metric Tons)**

Emission Type	2000	2004	2005	2006	2007	2008	2009	2010
<b>Kansas</b>								
<b>Sulfur Dioxide .....</b>								
Coal.....	102	104	112	98	102	85	46	40
Petroleum.....	3	8	12	3	3	2	1	1
Natural Gas .....	*	*	*	*	*	*	*	*
Total.....	106	112	124	101	105	87	47	41
<b>Nitrogen Oxide .....</b>								
Coal.....	76	81	77	69	60	45	40	42
Petroleum.....	4	2	3	2	2	1	*	*
Natural Gas .....	6	2	3	3	2	4	5	3
Other Renewables <sup>1</sup> .....	-	-	-	-	-	-	-	1
Total.....	86	85	82	74	64	49	46	46
<b>Carbon Dioxide .....</b>								
Coal.....	34,850	36,936	36,394	34,806	37,925	35,718	34,334	34,694
Petroleum.....	393	825	949	52	260	158	148	120
Natural Gas .....	1,908	600	929	1,376	1,392	1,438	1,725	1,507
Total.....	37,151	38,361	38,271	36,234	39,577	37,315	36,207	36,321

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, and other biomass.

\* = 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.

Note: CO2 emissions for the historical years 1998 - 2008 have been revised due to changes in emission factors.

Sources: Calculations made by the Electric Power Systems and Reliability Team; Office of Electricity, Renewables, and Uranium Statistics; U. S. Energy Information Administration.

**Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 2000 and 2004 Through 2010**

Sector	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Kansas</b>										
<b>Retail Sales (thousand megawatthours) .....</b>										
Residential .....	12,528	12,417	13,406	13,503	13,806	13,392	13,149	14,334	34.9	35.5
Commercial .....	12,511	13,831	14,453	14,786	15,474	15,358	15,007	15,436	34.8	38.2
Industrial .....	10,222	10,879	11,165	11,462	10,885	10,766	10,087	10,651	28.5	26.3
Other .....	660	NA	NA	NA	NA	NA	NA	NA	1.8	--
All Sectors .....	35,921	37,127	39,024	39,751	40,166	39,516	38,243	40,421	100.0	100.0
<b>Retail Revenue (million dollars) .....</b>										
Residential .....	959	962	1,059	1,114	1,131	1,190	1,254	1,437	42.5	42.6
Commercial .....	782	893	954	1,030	1,056	1,140	1,182	1,273	34.7	37.7
Industrial .....	465	510	542	596	558	613	616	664	20.6	19.7
Other .....	48	NA	NA	NA	NA	NA	NA	NA	2.1	--
All Sectors .....	2,254	2,364	2,555	2,740	2,746	2,943	3,051	3,374	100.0	100.0
<b>Average Retail Prices (cents/kWh) .....</b>										
Residential .....	7.65	7.74	7.90	8.25	8.19	8.88	9.53	10.03	--	--
Commercial .....	6.25	6.45	6.60	6.96	6.83	7.42	7.87	8.25	--	--
Industrial .....	4.55	4.69	4.85	5.20	5.13	5.69	6.10	6.23	--	--
Other .....	7.29	NA	NA	NA	NA	NA	NA	NA	--	--
All Sectors .....	6.27	6.37	6.55	6.89	6.84	7.45	7.98	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, 2010**

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
<b>Kansas</b>								
Number of Entities .....	4	118	1	29	NA	NA	NA	152
Number of Retail Customers .....	935,565	234,282	7	286,577	NA	NA	NA	1,456,431
Retail Sales (thousand megawatthours) .....	26,868	6,983	24	6,546	NA	NA	NA	40,421
Percentage of Retail Sales .....	66.47	17.27	0.06	16.20	--	--	--	100.00
Revenue from Retail Sales (million dollars) .....	2,159	557	1	657	NA	NA	NA	3,374
Percentage of Revenue .....	64.00	16.49	0.03	19.48	--	--	--	100.00
Average Retail Price (cents/kWh) .....	8.04	7.97	4.07	10.04	NA	NA	NA	8.35

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Data are shown for All Sectors. Full Service Providers sell bundled electricity services (e.g., both energy and delivery) to end users. Full Service Providers may purchase electricity from others (such as independent Power Producers or other full service providers) prior to delivery. Other Providers sell either the energy or the delivery services, but not both. Sales volumes and customer counts shown for Other Providers refer to delivered electricity, which is a joint activity of both energy and delivery providers; for clarity, they are reported only in the Energy column in this table. The revenue shown under Other Providers represents the revenue realized from the sale of the energy and the delivery services distinctly. "Public" entities include municipalities, State power agencies, and municipal marketing authorities. Federal entities are either owned or financed by the Federal Government. "Cooperatives" are electric utilities legally established to be owned by and operated for the benefit of those using its services. The cooperative will generate, transmit and/or distribute supplies of electric energy to a specified area not being serviced by another utility. "Non-utility" sales represent direct electricity transactions from independent generators to end use consumers. Totals may not equal sum of components because of independent rounding.

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



**Table 10. Supply and Disposition of Electricity, 2000 and 2004 Through 2010**  
(Million Kilowatthours)

Category	2000	2004	2005	2006	2007	2008	2009	2010
<b>Kansas</b>								
<b>Supply</b> .....								
<b>Generation</b> .....								
Electric Utilities .....	44,765	46,409	45,421	44,621	49,256	45,276	44,443	45,270
Independent Power Producers .....	15	368	436	895	857	1,354	2,234	2,654
<b>Electric Power Sector Generation Subtotal</b> .....	<b>44,780</b>	<b>46,778</b>	<b>45,857</b>	<b>45,516</b>	<b>50,114</b>	<b>46,630</b>	<b>46,677</b>	<b>47,924</b>
Combined Heat and Power, Commercial .....	2	1	*	-	-	-	-	-
Combined Heat and Power, Industrial.....	34	4	5	7	9	*	-	-
<b>Industrial and Commercial Generation Subtotal</b> .....	<b>36</b>	<b>5</b>	<b>5</b>	<b>7</b>	<b>9</b>	<b>*</b>	<b>-<sup>R</sup></b>	<b>-</b>
<b>Total Net Generation</b> .....	<b>44,816</b>	<b>46,783</b>	<b>45,863</b>	<b>45,524</b>	<b>50,122</b>	<b>46,630</b>	<b>46,677</b>	<b>47,924</b>
<b>Total International Imports</b> .....	-	-	-	-	*	-	-	-
<b>Total Supply</b> .....	<b>44,816</b>	<b>46,783</b>	<b>45,863</b>	<b>45,524</b>	<b>50,122</b>	<b>46,630</b>	<b>46,677</b>	<b>47,924</b>
<b>Disposition</b> .....								
<b>Retail Sales</b> .....								
Full Service Providers .....	35,921	37,022	38,921	39,646	40,031	39,382	38,112	40,421
Facility Direct Retail Sales <sup>1</sup> .....	-	104	103	105	135	134	131	-
<b>Total Electric Industry Retail Sales</b> .....	<b>35,921</b>	<b>37,127</b>	<b>39,024</b>	<b>39,751</b>	<b>40,166</b>	<b>39,516</b>	<b>38,243</b>	<b>40,421</b>
<b>Direct Use</b> .....	<b>36</b>	<b>62</b>	<b>5</b>	<b>7</b>	<b>9</b>	<b>*</b>	<b>-</b>	<b>-</b>
<b>Total International Exports</b> .....	-	*	*	-	-	-	*	-
<b>Estimated Losses</b> .....	<b>2,557</b>	<b>3,457</b>	<b>4,279<sup>R</sup></b>	<b>3,459</b>	<b>4,167</b>	<b>4,014</b>	<b>3,813</b>	<b>3,973</b>
<b>Net Interstate Trade</b> <sup>2</sup> .....	<b>6,301</b>	<b>6,137</b>	<b>2,553</b>	<b>2,306</b>	<b>5,781</b>	<b>3,099</b>	<b>4,621</b>	<b>3,530</b>
<b>Total Disposition</b> .....	<b>44,816</b>	<b>46,783</b>	<b>45,863</b>	<b>45,524</b>	<b>50,122</b>	<b>46,630</b>	<b>46,677</b>	<b>47,924</b>
<b>Net Trade Index (ratio)</b> <sup>3</sup> .....	<b>1.16</b>	<b>1.15</b>	<b>1.06</b>	<b>1.05</b>	<b>1.13</b>	<b>1.07</b>	<b>1.11</b>	<b>1.08</b>

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

<sup>2</sup> Net Interstate Trade = Total Supply - (Total Electric Industry Retail Sales + Direct Use + Total International Exports (if applies) + Estimated Losses).

<sup>3</sup> Net Trade Index is the sum of Total Supply / (Total Disposition - Net Interstate Trade).

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. Beginning with publication year 2010, Total disposition has been reorganized to include Net Interstate Trade. Therefore, Total Disposition equals Total Supply.

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. 2010 Summary Statistics**

Item	Value	U.S. Rank
<b>Kentucky</b>		
NERC Region(s).....		RFC/SERC
Primary Energy Source.....		Coal
Net Summer Capacity (megawatts) .....	20,453	21
Electric Utilities.....	18,945	16
Independent Power Producers & Combined Heat and Power.....	1,507	38
Net Generation (megawatthours).....	98,217,658	17
Electric Utilities.....	97,472,144	7
Independent Power Producers & Combined Heat and Power.....	745,514	48
Emissions (thousand metric tons) .....		
Sulfur Dioxide .....	249	7
Nitrogen Oxide .....	85	7
Carbon Dioxide.....	93,160	7
Sulfur Dioxide (lbs/MWh) .....	5.6	5
Nitrogen Oxide (lbs/MWh) .....	1.9	15
Carbon Dioxide (lbs/MWh).....	2,091	3
Total Retail Sales (megawatthours) .....	93,569,426	14
Full Service Provider Sales (megawatthours) .....	93,569,426	12
Direct Use (megawatthours) .....	458,870	34
Average Retail Price (cents/kWh).....	6.73	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, 2010**

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
<b>Kentucky</b>			
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. H L Spurlock .....	Coal	East Kentucky Power Coop, Inc	1,346
7. Shawnee.....	Coal	Tennessee Valley Authority	1,330
8. Big Sandy .....	Coal	Kentucky Power Co	1,060
9. Riverside Generating LLC .....	Gas	Riverside Generating Co LLC	825
10. J K Smith .....	Gas	East Kentucky Power Coop, Inc	784

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, 2010**  
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
1. Kentucky Utilities Co.....	Investor-Owned	18,974,206	6,728,669	6,000,541	6,244,996	-
2. Tennessee Valley Authority .....	Federal	15,347,842	-	-	15,347,842	-
3. Louisville Gas & Electric Co .....	Investor-Owned	12,338,237	4,591,883	5,143,503	2,602,851	-
4. Kenergy Corp .....	Cooperative	9,318,498	812,957	332,644	8,172,897	-
5. Kentucky Power Co.....	Investor-Owned	7,348,529	2,613,510	1,479,288	3,255,731	-
Total Sales, Top Five Providers .....		63,327,312	14,747,019	12,955,976	35,624,317	-
Percent of Total State Sales .....		68	51	67	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, 2000 and 2004 Through 2010**  
(Megawatts)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Kentucky</b>										
<b>Electric Utilities.....</b>	<b>14,781</b>	<b>15,860</b>	<b>16,234</b>	<b>16,878</b>	<b>16,819</b>	<b>16,759</b>	<b>18,763</b>	<b>18,945</b>	<b>88.0</b>	<b>92.6</b>
Coal.....	12,559	12,441	12,621	12,670	12,682	12,616	14,553	14,566	74.8	71.2
Petroleum.....	122	72	72	70	12	12	77	70	0.7	0.3
Natural Gas .....	1,286	2,521	2,714	3,313	3,295	3,295	3,295	3,471	7.7	17.0
Hydroelectric .....	814	817	817	813	815	822	822	822	4.8	4.0
Other Renewables <sup>1</sup> .....	-	9	10	12	15	15	17	17	-	0.1
<b>Independent Power Producers and Combined Heat and Power .....</b>	<b>2,017</b>	<b>3,767</b>	<b>3,767</b>	<b>3,169</b>	<b>3,150</b>	<b>3,143</b>	<b>1,397</b>	<b>1,507</b>	<b>12.0</b>	<b>7.4</b>
Coal.....	1,906	1,716	1,716	1,716	1,692	1,686	-	-	11.3	-
Petroleum.....	85	65	65	65	65	65	-	-	0.5	-
Natural Gas .....	23	1,943	1,943	1,343	1,343	1,343	1,343	1,453	0.1	7.1
Hydroelectric .....	-	-	-	2	2	2	2	2	-	*
Other Renewables <sup>1</sup> .....	4	43	43	43	47	47	52	52	*	0.3
<b>Total Electric Industry.....</b>	<b>16,798</b>	<b>19,627</b>	<b>20,001</b>	<b>20,047</b>	<b>19,968</b>	<b>19,902</b>	<b>20,160</b>	<b>20,453</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	14,465	14,157	14,337	14,386	14,374	14,301	14,553	14,566	86.1	71.2
Petroleum.....	207	137	137	135	77	77	77	70	1.2	0.3
Natural Gas .....	1,309	4,464	4,657	4,656	4,638	4,638	4,638	4,924	7.8	24.1
Hydroelectric .....	814	817	817	815	817	824	824	824	4.8	4.0
Other Renewables <sup>1</sup> .....	4	52	53	55	63	63	69	69	*	0.3

<sup>1</sup> Other Renewables includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

\* = 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, 2000 and 2004 Through 2010**  
(Megawatthours)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Kentucky</b>										
<b>Electric Utilities.....</b>	<b>81,349,922</b>	<b>82,921,402</b>	<b>85,679,912</b>	<b>86,816,479</b>	<b>85,259,079</b>	<b>86,012,151</b>	<b>90,029,962</b>	<b>97,472,144</b>	<b>87.5</b>	<b>99.2</b>
Coal.....	78,598,836	78,574,428	81,188,722	83,068,626	81,877,334	83,197,690	84,037,596	91,053,858	84.5	92.7
Petroleum.....	118,876	93,651	96,557	79,520	96,733	106,853	2,016,282	2,284,852	0.1	2.3
Natural Gas.....	307,642	398,814	1,349,378	963,428	1,504,922	677,551	554,684	1,454,727	0.3	1.5
Other Gases <sup>1</sup> .....	-	1,701	4,991	3,836	4,745	3,835	4,314	2,662	-	*
Hydroelectric.....	2,324,568	3,780,251	2,961,193	2,591,701	1,666,237	1,912,432	3,308,064	2,571,440	2.5	2.6
Other Renewables <sup>2</sup> .....	-	57,029	62,098	87,713	93,440	105,094	96,393	89,148	-	0.1
Other <sup>3</sup> .....	-	15,528	16,973	21,655	15,669	8,697	12,629	15,457	-	*
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>11,656,161</b>	<b>11,608,545</b>	<b>12,142,507</b>	<b>11,975,535</b>	<b>11,966,240</b>	<b>11,851,189</b>	<b>600,465</b>	<b>745,514</b>	<b>12.5</b>	<b>0.8</b>
Coal.....	11,464,218	7,546,083	7,894,391	8,129,862	8,605,726	8,422,898	-	-	12.3	-
Petroleum.....	25,817	3,527,448	3,584,128	3,261,378	2,694,566	2,767,586	-	-	*	-
Natural Gas.....	153,723	181,026	304,674	213,210	291,416	301,141	323,746	385,982	0.2	0.4
Other Gases <sup>1</sup> .....	110	-	-	-	-	-	-	-	*	-
Hydroelectric.....	-	-	-	-	2,350	5,038	9,577	8,806	-	*
Other Renewables <sup>2</sup> .....	12,293	353,989	359,314	371,085	372,183	354,525	267,141	350,727	*	0.4
<b>Total Electric Industry.....</b>	<b>93,006,083</b>	<b>94,529,947</b>	<b>97,822,419</b>	<b>98,792,014</b>	<b>97,225,319</b>	<b>97,863,340</b>	<b>90,630,427</b>	<b>98,217,658</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	90,063,054	86,120,511	89,083,113	91,198,488	90,483,059	91,620,588	84,037,596	91,053,858	96.8	92.7
Petroleum.....	144,693	3,621,099	3,680,685	3,340,898	2,791,299	2,874,440	2,016,282	2,284,852	0.2	2.3
Natural Gas.....	461,365	579,840	1,654,052	1,176,638	1,796,337	978,692	878,430	1,840,708	0.5	1.9
Other Gases <sup>1</sup> .....	110	1,701	4,991	3,836	4,745	3,835	4,314	2,662	*	*
Hydroelectric.....	2,324,568	3,780,251	2,961,193	2,591,701	1,668,587	1,917,470	3,317,641	2,580,246	2.5	2.6
Other Renewables <sup>2</sup> .....	12,293	411,018	421,412	458,798	465,623	459,619	363,534	439,875	*	0.4
Other <sup>3</sup> .....	-	15,528	16,973	21,655	15,669	8,697	12,629	15,457	-	*

<sup>1</sup> Other gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

<sup>2</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>3</sup> Other includes non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

\* = 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.

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

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, 2000 and 2004 Through 2010**

Fuel, Quality	2000	2004	2005	2006	2007	2008	2009	2010
<b>Kentucky</b>								
Coal (cents per million Btu) .....	102	137	W	170	175	214	217	226
Average heat value (Btu per pound).....	11,604	11,550	11,620	11,568	11,661	11,534	11,472	11,460
Average sulfur Content (percent) .....	2.29	2.09	2.21	2.23	2.22	2.33	2.54	2.58
Petroleum (cents per million Btu) <sup>1</sup> .....	559	W	117	127	W	203	168	217
Average heat value (Btu per gallon).....	125,371	131,967	132,710	132,305	134,155	134,110	134,810	135,140
Average sulfur Content (percent) .....	1.30	4.79	5.11	5.23	5.23	5.24	5.07	5.24
Natural Gas (cents per million Btu).....	496	W	949	W	W	W	624	577
Average heat value (Btu per cubic foot).....	1,025	1,017	1,026	1,025	1,025	1,023	1,025	1,025

<sup>1</sup> 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, 2000 and 2004 Through 2010 (Thousand Metric Tons)**

Emission Type	2000	2004	2005	2006	2007	2008	2009	2010
<b>Kentucky</b>								
<b>Sulfur Dioxide .....</b>								
Coal.....	530	460	445	380	336	307	225	241
Petroleum.....	*	5	9	8	8	7	4	5
Natural Gas .....	*	-	*	*	*	*	*	*
Other Renewables <sup>1</sup> .....	*	3	3	3	3	3	4	2
Other <sup>2</sup> .....	-	*	*	*	*	*	*	*
Total.....	531	469	457	391	348	317	232	249
<b>Nitrogen Oxide .....</b>								
Coal.....	223	143	140	146	148	140	70	81
Petroleum.....	1	6	8	8	8	3	1	1
Natural Gas .....	1	1	3	2	2	1	1	1
Other Gases.....	-	-	-	-	-	*	*	*
Other Renewables <sup>1</sup> .....	*	2	2	2	2	2	2	1
Other <sup>2</sup> .....	-	*	*	*	*	*	*	*
Total.....	224	151	152	158	161	146	74	85
<b>Carbon Dioxide .....</b>								
Coal.....	87,074	83,548	86,004	89,532	88,931	90,051	83,213	89,372
Petroleum.....	133	4,166	4,173	3,815	3,158	3,241	2,277	2,497
Natural Gas .....	380	474	1,157	869	1,257	726	651	1,275
Other Gases.....	*	1	3	3	3	3	3	2
Other <sup>2</sup> .....	-	20	22	20	15	8	12	14
Total.....	87,586	88,209	91,359	94,238	93,365	94,028	86,155	93,160

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, and other biomass.

<sup>2</sup> Other includes non-biogenic municipal solid waste, tire-derived fuels, and miscellaneous technologies.

\* = 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.

Note: CO2 emissions for the historical years 1998 - 2008 have been revised due to changes in emission factors.

Sources: Calculations made by the Electric Power Systems and Reliability Team; Office of Electricity, Renewables, and Uranium Statistics; U. S. Energy Information Administration.

**Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 2000 and 2004 Through 2010**

Sector	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Kentucky</b>										
<b>Retail Sales (thousand megawatthours) .....</b>										
Residential .....	23,374	25,187	26,947	25,949	28,004	27,562	26,525	29,137	29.8	31.1
Commercial .....	13,933	18,443	19,091	18,941	20,035	19,669	18,696	19,411	17.8	20.7
Industrial .....	37,689	42,891	43,314	43,853	44,366	46,198	43,588	45,022	48.1	48.1
Other .....	3,320	NA	NA	NA	NA	NA	NA	NA	4.2	--
All Sectors .....	78,316	86,521	89,351	88,743	92,404	93,428	88,809	93,569	100.0	100.0
<b>Retail Revenue (million dollars) .....</b>										
Residential .....	1,279	1,538	1,769	1,822	2,056	2,190	2,220	2,497	39.0	39.6
Commercial .....	717	1,034	1,147	1,219	1,354	1,433	1,426	1,530	21.9	24.3
Industrial .....	1,136	1,432	1,561	1,776	1,984	2,224	2,142	2,274	34.7	36.1
Other .....	146	NA	NA	NA	NA	NA	NA	NA	4.5	--
All Sectors .....	3,277	4,004	4,477	4,817	5,393	5,848	5,789	6,300	100.0	100.0
<b>Average Retail Prices (cents/kWh) .....</b>										
Residential .....	5.47	6.11	6.57	7.02	7.34	7.94	8.37	8.57	--	--
Commercial .....	5.14	5.60	6.01	6.44	6.76	7.29	7.63	7.88	--	--
Industrial .....	3.01	3.34	3.60	4.05	4.47	4.82	4.91	5.05	--	--
Other .....	4.40	NA	NA	NA	NA	NA	NA	NA	--	--
All Sectors .....	4.18	4.63	5.01	5.43	5.84	6.26	6.52	6.73	--	--

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, 2010**

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
<b>Kentucky</b>								
Number of Entities .....	5	30	1	24	NA	NA	NA	60
Number of Retail Customers .....	1,220,486	208,100	22	806,376	NA	NA	NA	2,234,984
Retail Sales (thousand megawatthours) .....	44,118	6,900	15,348	27,203	NA	NA	NA	93,569
Percentage of Retail Sales .....	47.15	7.37	16.40	29.07	--	--	--	100.00
Revenue from Retail Sales (million dollars) .....	3,087	539	699	1,975	NA	NA	NA	6,300
Percentage of Revenue .....	49.00	8.56	11.09	31.35	--	--	--	100.00
Average Retail Price (cents/kWh) .....	7.00	7.82	4.55	7.26	NA	NA	NA	6.73

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Data are shown for All Sectors. Full Service Providers sell bundled electricity services (e.g., both energy and delivery) to end users. Full Service Providers may purchase electricity from others (such as independent Power Producers or other full service providers) prior to delivery. Other Providers sell either the energy or the delivery services, but not both. Sales volumes and customer counts shown for Other Providers refer to delivered electricity, which is a joint activity of both energy and delivery providers; for clarity, they are reported only in the Energy column in this table. The revenue shown under Other Providers represents the revenue realized from the sale of the energy and the delivery services distinctly. "Public" entities include municipalities, State power agencies, and municipal marketing authorities. Federal entities are either owned or financed by the Federal Government. "Cooperatives" are electric utilities legally established to be owned by and operated for the benefit of those using its services. The cooperative will generate, transmit and/or distribute supplies of electric energy to a specified area not being serviced by another utility. "Non-utility" sales represent direct electricity transactions from independent generators to end use consumers. Totals may not equal sum of components because of independent rounding.

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

**Table 10. Supply and Disposition of Electricity, 2000 and 2004 Through 2010**  
(Million Kilowatthours)

Category	2000	2004	2005	2006	2007	2008	2009	2010
<b>Kentucky</b>								
Supply .....								
Generation .....								
Electric Utilities .....	81,350	82,921	85,680	86,816	85,259	86,012	90,030	97,472
Independent Power Producers .....	11,503	11,097	11,622	11,449	11,397	11,316	119	171
<b>Electric Power Sector Generation Subtotal .....</b>	<b>92,853</b>	<b>94,018</b>	<b>97,302</b>	<b>98,266</b>	<b>96,656</b>	<b>97,328</b>	<b>90,149</b>	<b>97,644</b>
Combined Heat and Power, Industrial .....	153	512	521	526	569	535	482	574
<b>Industrial and Commercial Generation Subtotal .....</b>	<b>153</b>	<b>512</b>	<b>521</b>	<b>526</b>	<b>569</b>	<b>535</b>	<b>482</b>	<b>574</b>
<b>Total Net Generation .....</b>	<b>93,006</b>	<b>94,530</b>	<b>97,822</b>	<b>98,792</b>	<b>97,225</b>	<b>97,863</b>	<b>90,630</b>	<b>98,218</b>
<b>Total Supply .....</b>	<b>93,006</b>	<b>94,530</b>	<b>97,822</b>	<b>98,792</b>	<b>97,225</b>	<b>97,863</b>	<b>90,630</b>	<b>98,218</b>
Disposition .....								
Retail Sales .....								
Full Service Providers .....	78,316	86,521	89,218	88,616	92,352	93,375	88,809	93,569
Facility Direct Retail Sales <sup>1</sup> .....	-	-	133	127	52	53	-	-
<b>Total Electric Industry Retail Sales .....</b>	<b>78,316</b>	<b>86,521</b>	<b>89,351</b>	<b>88,743</b>	<b>92,404</b>	<b>93,428</b>	<b>88,809</b>	<b>93,569</b>
<b>Direct Use .....</b>	<b>359</b>	<b>188</b>	<b>389</b>	<b>400</b>	<b>477</b>	<b>366</b>	<b>382</b>	<b>459</b>
<b>Total International Exports .....</b>	<b>-</b>	<b>-</b>	<b>*</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Estimated Losses .....</b>	<b>5,574</b>	<b>6,767</b>	<b>6,690</b>	<b>6,515</b>	<b>8,234</b>	<b>6,540</b>	<b>5,015</b>	<b>6,372</b>
<b>Net Interstate Trade<sup>2</sup> .....</b>	<b>8,757</b>	<b>1,054<sup>R</sup></b>	<b>1,391</b>	<b>3,133</b>	<b>-3,890</b>	<b>-2,471</b>	<b>-3,575<sup>R</sup></b>	<b>-2,183</b>
<b>Total Disposition .....</b>	<b>93,006</b>	<b>94,530</b>	<b>97,822</b>	<b>98,792</b>	<b>97,225</b>	<b>97,863</b>	<b>90,630</b>	<b>98,218</b>
<b>Net Trade Index (ratio)<sup>3</sup> .....</b>	<b>1.10</b>	<b>1.01</b>	<b>1.01</b>	<b>1.03</b>	<b>0.96</b>	<b>0.98</b>	<b>0.96</b>	<b>0.98</b>

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

<sup>2</sup> Net Interstate Trade = Total Supply - (Total Electric Industry Retail Sales + Direct Use + Total International Exports (if applies) + Estimated Losses).

<sup>3</sup> Net Trade Index is the sum of Total Supply / (Total Disposition - Net Interstate Trade).

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. Beginning with publication year 2010, Total disposition has been reorganized to include Net Interstate Trade. Therefore, Total Disposition equals Total Supply.

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. 2010 Summary Statistics**

Item	Value	U.S. Rank
<b>Louisiana</b>		
NERC Region(s).....		SERC/SPP
Primary Energy Source.....		Gas
Net Summer Capacity (megawatts) .....	26,744	14
Electric Utilities.....	16,471	17
Independent Power Producers & Combined Heat and Power.....	10,272	10
Net Generation (megawatthours).....	102,884,940	16
Electric Utilities.....	51,680,682	19
Independent Power Producers & Combined Heat and Power.....	51,204,258	8
Emissions (thousand metric tons) .....		
Sulfur Dioxide .....	126	15
Nitrogen Oxide .....	75	11
Carbon Dioxide.....	58,706	14
Sulfur Dioxide (lbs/MWh) .....	2.7	21
Nitrogen Oxide (lbs/MWh) .....	1.6	21
Carbon Dioxide (lbs/MWh).....	1,258	27
Total Retail Sales (megawatthours) .....	85,079,692	18
Full Service Provider Sales (megawatthours) .....	85,079,692	16
Direct Use (megawatthours) .....	20,489,652	2
Average Retail Price (cents/kWh).....	7.80	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, 2010**

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
<b>Louisiana</b>			
1. Nine Mile Point .....	Gas	Entergy Louisiana Inc	1,756
2. Willow Glen .....	Gas	Entergy Gulf States Louisiana LLC	1,752
3. Big Cajun 2 .....	Coal	Louisiana Generating LLC	1,743
4. Brame Energy Center .....	Coal	Cleco Power LLC	1,423
5. R S Nelson .....	Coal	Entergy Gulf States Louisiana LLC	1,366
6. Little Gypsy .....	Gas	Entergy Louisiana Inc	1,170
7. Waterford 3 .....	Nuclear	Entergy Louisiana Inc	1,168
8. Acadia Energy Center.....	Gas	Acadia Power Partners	1,063
9. River Bend.....	Nuclear	Entergy Gulf States Louisiana LLC	974
10. Waterford 1 & 2.....	Gas	Entergy Louisiana Inc	853

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, 2010**  
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
1. Entergy Louisiana Inc.....	Investor-Owned	30,648,320	9,533,413	6,642,360	14,472,547	-
2. Entergy Gulf States Louisiana LLC.....	Investor-Owned	19,823,070	5,537,761	5,484,381	8,800,928	-
3. Cleco Power LLC.....	Investor-Owned	8,991,892	3,978,190	2,743,012	2,270,690	-
4. Southwestern Electric Power Co.....	Investor-Owned	6,249,270	2,804,132	2,478,332	966,806	-
5. Entergy New Orleans Inc.....	Investor-Owned	5,071,970	1,860,713	2,697,329	503,144	10,784
Total Sales, Top Five Providers.....		70,784,522	23,714,209	20,045,414	27,014,115	10,784
Percent of Total State Sales.....		83	73	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, 2000 and 2004 Through 2010**  
(Megawatts)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Louisiana</b>										
<b>Electric Utilities.....</b>	<b>14,317</b>	<b>14,176</b>	<b>15,137</b>	<b>15,176</b>	<b>14,756</b>	<b>15,755</b>	<b>15,615</b>	<b>16,471</b>	<b>67.8</b>	<b>61.6</b>
Coal.....	1,723	1,723	1,723	1,723	1,739	1,739	1,739	1,674	8.2	6.3
Petroleum.....	16	26	239	239	240	240	240	775	0.1	2.9
Natural Gas.....	10,566	10,372	11,051	11,095	10,650	11,622	11,494	11,880	50.0	44.4
Nuclear.....	2,012	2,055	2,124	2,119	2,127	2,154	2,142	2,142	9.5	8.0
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>6,798</b>	<b>12,289</b>	<b>11,648</b>	<b>11,610</b>	<b>11,567</b>	<b>10,428</b>	<b>10,373</b>	<b>10,272</b>	<b>32.2</b>	<b>38.4</b>
Coal.....	1,783	1,730	1,730	1,730	1,743	1,743	1,743	1,743	8.4	6.5
Petroleum.....	241	259	46	46	106	106	106	106	1.1	0.4
Natural Gas.....	4,161	9,632	9,046	8,885	8,734	7,723	7,731	7,693	19.7	28.8
Other Gases <sup>1</sup> .....	105	65	64	186	167	34	34	34	0.5	0.1
Hydroelectric.....	182	192	192	192	192	192	192	192	0.9	0.7
Other Renewables <sup>2</sup> .....	304	335	333	333	394	394	387	325	1.4	1.2
Other <sup>3</sup> .....	21	77	238	238	231	236	179	179	0.1	0.7
<b>Total Electric Industry.....</b>	<b>21,115</b>	<b>26,465</b>	<b>26,785</b>	<b>26,786</b>	<b>26,323</b>	<b>26,183</b>	<b>25,987</b>	<b>26,744</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	3,506	3,453	3,453	3,453	3,482	3,482	3,482	3,417	16.6	12.8
Petroleum.....	257	285	285	285	346	346	346	881	1.2	3.3
Natural Gas.....	14,728	20,004	20,096	19,980	19,384	19,345	19,225	19,574	69.8	73.2
Other Gases <sup>1</sup> .....	105	65	64	186	167	34	34	34	0.5	0.1
Nuclear.....	2,012	2,055	2,124	2,119	2,127	2,154	2,142	2,142	9.5	8.0
Hydroelectric.....	182	192	192	192	192	192	192	192	0.9	0.7
Other Renewables <sup>2</sup> .....	304	335	333	333	394	394	387	325	1.4	1.2
Other <sup>3</sup> .....	21	77	238	238	231	236	179	179	0.1	0.7

<sup>1</sup> Other gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

<sup>2</sup> Other Renewables includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>3</sup> Other includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

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, 2000 and 2004 Through 2010**  
(Megawatthours)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Louisiana</b>										
<b>Electric Utilities.....</b>	<b>57,601,142</b>	<b>47,603,602</b>	<b>44,157,533</b>	<b>40,891,159</b>	<b>43,523,037</b>	<b>43,164,448</b>	<b>43,591,889</b>	<b>51,680,682</b>	<b>62.0</b>	<b>50.2</b>
Coal.....	14,484,315	11,324,239	11,415,901	11,544,776	10,596,391	11,212,908	11,024,590	11,226,380	15.6	10.9
Petroleum.....	625,093	3,693,520	3,377,765	1,756,919	1,976,897	1,900,833	1,459,999	2,890,800	0.7	2.8
Natural Gas.....	26,695,995	15,138,928	13,687,514	10,854,016	13,872,177	14,679,719	14,325,223	18,924,155	28.7	18.4
Other Gases <sup>1</sup> .....	-	366,934	-	-	-	-	-	-	-	-
Nuclear.....	15,795,739	17,079,981	15,676,353	16,735,448	17,077,572	15,370,988	16,782,077	18,639,347	17.0	18.1
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>35,264,493</b>	<b>50,568,707</b>	<b>48,459,345</b>	<b>50,030,670</b>	<b>49,055,292</b>	<b>49,288,693</b>	<b>47,401,787</b>	<b>51,204,258</b>	<b>38.0</b>	<b>49.8</b>
Coal.....	9,004,549	12,333,572	11,671,464	12,850,429	12,454,792	12,887,134	12,042,547	12,697,369	9.7	12.3
Petroleum.....	1,451,267	209,795	163,319	115,177	273,736	404,180	397,710	390,044	1.6	0.4
Natural Gas.....	19,433,248	31,030,610	30,480,390	31,079,319	30,042,838	30,664,667	29,678,041	32,419,923	20.9	31.5
Other Gases <sup>1</sup> .....	1,598,632	2,165,923	1,896,725	1,594,675	1,810,997	1,101,057	1,226,994	1,561,160	1.7	1.5
Hydroelectric.....	532,290	1,098,825	810,948	713,215	826,642	1,064,373	1,236,351	1,108,794	0.6	1.1
Other Renewables <sup>2</sup> .....	2,792,452	2,966,391	2,886,768	2,962,363	2,979,883	2,709,675	2,363,959	2,467,776	3.0	2.4
Other <sup>3</sup> .....	452,055	763,590	549,731	715,492	666,404	457,607	456,186	559,192	0.5	0.5
<b>Total Electric Industry.....</b>	<b>92,865,635</b>	<b>98,172,309</b>	<b>92,616,878</b>	<b>90,921,829</b>	<b>92,578,329</b>	<b>92,453,141</b>	<b>90,993,676</b>	<b>102,884,940</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	23,488,864	23,657,811	23,087,365	24,395,205	23,051,183	24,100,042	23,067,136	23,923,749	25.3	23.3
Petroleum.....	2,076,360	3,903,315	3,541,084	1,872,096	2,250,633	2,305,013	1,857,709	3,280,844	2.2	3.2
Natural Gas.....	46,129,243	46,169,538	44,167,904	41,933,335	43,915,015	45,344,386	44,003,264	51,344,079	49.7	49.9
Other Gases <sup>1</sup> .....	1,598,632	2,532,857	1,896,725	1,594,675	1,810,997	1,101,057	1,226,994	1,561,160	1.7	1.5
Nuclear.....	15,795,739	17,079,981	15,676,353	16,735,448	17,077,572	15,370,988	16,782,077	18,639,347	17.0	18.1
Hydroelectric.....	532,290	1,098,825	810,948	713,215	826,642	1,064,373	1,236,351	1,108,794	0.6	1.1
Other Renewables <sup>2</sup> .....	2,792,452	2,966,391	2,886,768	2,962,363	2,979,883	2,709,675	2,363,959	2,467,776	3.0	2.4
Other <sup>3</sup> .....	452,055	763,590	549,731	715,492	666,404	457,607	456,186	559,192	0.5	0.5

<sup>1</sup> Other gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

<sup>2</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>3</sup> Other includes non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

- (dash) = Data not available.

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

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, 2000 and 2004 Through 2010**

Fuel, Quality	2000	2004	2005	2006	2007	2008	2009	2010
<b>Louisiana</b>								
Coal (cents per million Btu) .....	132	W	W	W	W	W	W	216
Average heat value (Btu per pound).....	7,933	8,146	8,136	8,205	8,246	8,183	8,201	8,114
Average sulfur Content (percent) .....	0.63	0.51	0.54	0.49	0.39	0.41	0.39	0.39
Petroleum (cents per million Btu) <sup>1</sup> .....	459	286	427	W	W	425	195	296
Average heat value (Btu per gallon).....	149,843	147,379	147,057	142,607	139,310	140,002	136,969	136,986
Average sulfur Content (percent) .....	0.95	3.45	3.34	4.92	6.13	5.52	5.14	5.17
Natural Gas (cents per million Btu).....	440	633	879	737	720	945	427	458
Average heat value (Btu per cubic foot).....	1,034	1,031	1,034	1,035	1,034	1,035	1,033	1,031

<sup>1</sup> 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, 2000 and 2004 Through 2010 (Thousand Metric Tons)**

Emission Type	2000	2004	2005	2006	2007	2008	2009	2010
<b>Louisiana</b>								
<b>Sulfur Dioxide .....</b>								
Coal.....	92	87	82	81	65	62	58	65
Petroleum.....	60	20	19	17	13	15	26	48
Natural Gas .....	*	*	*	*	*	*	*	*
Other Gases.....	*	*	*	*	*	*	*	*
Other Renewables <sup>1</sup> .....	22	22	24	23	23	13	13	12
Other <sup>2</sup> .....	1	3	4	4	4	2	1	1
Total .....	174	132	128	125	105	93	98	126
<b>Nitrogen Oxide .....</b>								
Coal.....	46	37	35	33	26	24	21	20
Petroleum.....	40	4	3	3	3	2	2	4
Natural Gas .....	52	50	43	40	44	40	37	42
Other Gases.....	2	6	5	4	4	2	3	3
Other Renewables <sup>1</sup> .....	8	8	8	9	8	6	6	6
Other <sup>2</sup> .....	2	1	1	2	2	*	*	*
Total .....	150	106	96	90	88	74	69	75
<b>Carbon Dioxide .....</b>								
Coal.....	24,599	24,942	24,688	25,765	24,288	25,402	24,525	25,208
Petroleum.....	2,237	4,400	3,873	2,590	3,087	2,647	2,741	4,221
Natural Gas .....	31,170	29,312	28,796	25,938	27,122	26,494	25,860	29,214
Other <sup>2</sup> .....	86	305	303	357	339	192	101	62
Total .....	58,092	58,958	57,660	54,650	54,836	54,736	53,226	58,706

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, and other biomass.

<sup>2</sup> Other includes non-biogenic municipal solid waste, tire-derived fuels, and miscellaneous technologies.

\* = 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 \*).

Note: CO2 emissions for the historical years 1998 - 2008 have been revised due to changes in emission factors.

Sources: Calculations made by the Electric Power Systems and Reliability Team; Office of Electricity, Renewables, and Uranium Statistics; U. S. Energy Information Administration.

**Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 2000 and 2004 Through 2010**

Sector	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Louisiana</b>										
<b>Retail Sales (thousand megawatthours) .....</b>										
Residential .....	27,719	28,863	28,654	28,113	28,878	28,846	29,747	32,679	34.4	38.4
Commercial .....	18,225	22,568	21,692	21,979	22,887	22,939	23,301	24,203	22.6	28.4
Industrial .....	31,950	28,290	27,031	27,373	27,799	26,932	25,613	28,187	39.6	33.1
Other .....	2,795	NA	NA	NA	NA	NA	NA	NA	3.5	--
Transportation.....	NA	16	12	3	3	5	9	11	--	*
All Sectors .....	80,690	79,737	77,389	77,468	79,567	78,722	78,670	85,080	100.0	100.0
<b>Retail Revenue (million dollars).....</b>										
Residential .....	2,127	2,324	2,542	2,568	2,707	2,967	2,411	2,935	40.7	44.2
Commercial .....	1,308	1,710	1,857	1,984	2,089	2,322	1,793	2,058	25.0	31.0
Industrial .....	1,599	1,646	1,814	1,881	1,883	2,139	1,346	1,646	30.6	24.8
Other .....	195	NA	NA	NA	NA	NA	NA	NA	3.7	--
Transportation.....	NA	1	1	*	*	1	1	1	--	*
All Sectors .....	5,229	5,682	6,214	6,433	6,679	7,428	5,550	6,640	100.0	100.0
<b>Average Retail Prices (cents/kWh) .....</b>										
Residential .....	7.67	8.05	8.87	9.14	9.37	10.28	8.10	8.98	--	--
Commercial .....	7.18	7.58	8.56	9.03	9.13	10.12	7.69	8.50	--	--
Industrial .....	5.00	5.82	6.71	6.87	6.77	7.94	5.25	5.84	--	--
Other .....	6.98	NA	NA	NA	NA	NA	NA	NA	--	--
Transportation.....	NA	7.09	7.63	14.10	13.91	11.88	10.09	9.46	--	--
All Sectors .....	6.48	7.13	8.03	8.30	8.39	9.44	7.06	7.80	--	--

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, 2010**

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
<b>Louisiana</b>								
Number of Entities.....	5	21	NA	13	NA	NA	NA	39
Number of Retail Customers .....	1,670,178	166,576	NA	428,748	NA	NA	NA	2,265,502
Retail Sales (thousand megawatthours).....	70,785	4,818	NA	9,477	NA	NA	NA	85,080
Percentage of Retail Sales .....	83.20	5.66	--	11.14	--	--	--	100.00
Revenue from Retail Sales (million dollars) .....	5,516	371	NA	753	NA	NA	NA	6,640
Percentage of Revenue .....	83.07	5.59	--	11.34	--	--	--	100.00
Average Retail Price (cents/kWh).....	7.79	7.70	NA	7.95	NA	NA	NA	7.80

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Data are shown for All Sectors. Full Service Providers sell bundled electricity services (e.g., both energy and delivery) to end users. Full Service Providers may purchase electricity from others (such as independent Power Producers or other full service providers) prior to delivery. Other Providers sell either the energy or the delivery services, but not both. Sales volumes and customer counts shown for Other Providers refer to delivered electricity, which is a joint activity of both energy and delivery providers; for clarity, they are reported only in the Energy column in this table. The revenue shown under Other Providers represents the revenue realized from the sale of the energy and the delivery services distinctly. "Public" entities include municipalities, State power agencies, and municipal marketing authorities. Federal entities are either owned or financed by the Federal Government. "Cooperatives" are electric utilities legally established to be owned by and operated for the benefit of those using its services. The cooperative will generate, transmit and/or distribute supplies of electric energy to a specified area not being serviced by another utility. "Non-utility" sales represent direct electricity transactions from independent generators to end use consumers. Totals may not equal sum of components because of independent rounding.

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

**Table 10. Supply and Disposition of Electricity, 2000 and 2004 Through 2010**  
(Million Kilowatthours)

Category	2000	2004	2005	2006	2007	2008	2009	2010
<b>Louisiana</b>								
<b>Supply</b> .....								
<b>Generation</b> .....								
Electric Utilities .....	57,601	47,604	44,158	40,891	43,523	43,164	43,592	51,681
Independent Power Producers .....	11,091	18,811	18,095	18,740	17,735	18,768	16,746	17,780
Combined Heat and Power, Electric .....	1,421	5,233	8,254	4,165	4,416	4,317	4,836	5,083
<b>Electric Power Sector Generation Subtotal</b> .....	<b>70,113</b>	<b>71,648</b>	<b>70,507</b>	<b>63,796</b>	<b>65,674</b>	<b>66,249</b>	<b>65,174</b>	<b>74,544</b>
Combined Heat and Power, Commercial .....	32	20	38	39	43	46	45	47
Combined Heat and Power, Industrial .....	22,721	26,505	22,072	27,087	26,862	26,157	25,775	28,294
<b>Industrial and Commercial Generation Subtotal</b> .....	<b>22,752</b>	<b>26,525</b>	<b>22,110</b>	<b>27,125</b>	<b>26,905</b>	<b>26,204</b>	<b>25,820</b>	<b>28,341</b>
<b>Total Net Generation</b> .....	<b>92,866</b>	<b>98,172</b>	<b>92,617</b>	<b>90,922</b>	<b>92,578</b>	<b>92,453</b>	<b>90,994</b>	<b>102,885</b>
<b>Total Supply</b> .....	<b>92,866</b>	<b>98,172</b>	<b>92,617</b>	<b>90,922</b>	<b>92,578</b>	<b>92,453</b>	<b>90,994</b>	<b>102,885</b>
<b>Disposition</b> .....								
<b>Retail Sales</b> .....								
Full Service Providers .....	80,690	79,737	77,389	77,468	79,567	78,722	78,670	85,080
<b>Total Electric Industry Retail Sales</b> .....	<b>80,690</b>	<b>79,737</b>	<b>77,389</b>	<b>77,468</b>	<b>79,567</b>	<b>78,722</b>	<b>78,670</b>	<b>85,080</b>
<b>Direct Use</b> .....	<b>23,414</b>	<b>22,071</b>	<b>20,420</b>	<b>23,506</b>	<b>20,276</b>	<b>19,663</b>	<b>18,914</b>	<b>20,490</b>
<b>Estimated Losses</b> .....	<b>5,743</b>	<b>5,188</b>	<b>5,528</b>	<b>5,464</b>	<b>6,587</b>	<b>5,922</b>	<b>5,756</b>	<b>5,882</b>
<b>Net Interstate Trade</b> <sup>1</sup> .....	<b>-16,981</b>	<b>-8,824</b>	<b>-10,720</b>	<b>-15,516</b>	<b>-13,851</b>	<b>-11,854</b>	<b>-12,346</b>	<b>-8,566</b>
<b>Total Disposition</b> .....	<b>92,866</b>	<b>98,172</b>	<b>92,617</b>	<b>90,922</b>	<b>92,578</b>	<b>92,453</b>	<b>90,994</b>	<b>102,885</b>
<b>Net Trade Index (ratio)</b> <sup>2</sup> .....	<b>0.85</b>	<b>0.92</b>	<b>0.90</b>	<b>0.85</b>	<b>0.87</b>	<b>0.89</b>	<b>0.88</b>	<b>0.92</b>

<sup>1</sup> Net Interstate Trade = Total Supply - (Total Electric Industry Retail Sales + Direct Use + Total International Exports (if applies) + Estimated Losses).

<sup>2</sup> Net Trade Index is the sum of Total Supply / (Total Disposition - Net Interstate Trade).

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. Beginning with publication year 2010, Total disposition has been reorganized to include Net Interstate Trade. Therefore, Total Disposition equals Total Supply.

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. 2010 Summary Statistics**

Item	Value	U.S. Rank
<b>Maine</b>		
NERC Region(s).....		NPCC
Primary Energy Source.....		Gas
Net Summer Capacity (megawatts) .....	<b>4,430</b>	<b>42</b>
Electric Utilities.....	19	49
Independent Power Producers & Combined Heat and Power.....	4,410	25
Net Generation (megawatthours).....	<b>17,018,660</b>	<b>43</b>
Electric Utilities.....	1,759	49
Independent Power Producers & Combined Heat and Power.....	17,016,901	22
Emissions (thousand metric tons) .....		
Sulfur Dioxide .....	12	42
Nitrogen Oxide.....	8	44
Carbon Dioxide.....	4,948	44
Sulfur Dioxide (lbs/MWh) .....	1.6	36
Nitrogen Oxide (lbs/MWh) .....	1.1	33
Carbon Dioxide (lbs/MWh).....	641	44
Total Retail Sales (megawatthours).....	<b>11,531,568</b>	<b>45</b>
Full Service Provider Sales (megawatthours) .....	151,588	51
Energy-Only Provider Sales (megawatthours).....	11,379,980	10
Direct Use (megawatthours) .....	<b>3,428,666</b>	<b>10</b>
Average Retail Price (cents/kWh).....	<b>12.84</b>	<b>12</b>

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, 2010**

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
<b>Maine</b>			
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. Kibby Mountain Wind.....	Other Renewables	TransCanada Maine Wind Development Inc	132
8. Great Lakes Hydro America - ME .....	Hydroelectric	Great Lakes Hydro America LLC	130
9. Sappi Fine Paper North America, Somerset Facility .....	Other Renewables	Sappi Fine Paper North America-Somerset	115
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, 2010**  
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
1. NextEra Energy Power Marketing LLC.....	Other Provider	3,876,276	3,548,267	316,308	11,701	-
2. Dominion Retail Inc .....	Other Provider	1,308,742	-	1,308,742	-	-
3. Constellation NewEnergy, Inc.....	Other Provider	987,998	-	704,002	283,996	-
4. Hess Retail Natural Gas and Elec. Acctg.....	Other Provider	593,324	-	593,324	-	-
5. Suez Energy Resources North America .....	Other Provider	483,466	-	483,466	-	-
Total Sales, Top Five Providers .....		7,249,806	3,548,267	3,405,842	295,697	-
Percent of Total State Sales .....		63	81	83	10	-

- (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, 2000 and 2004 Through 2010**  
(Megawatts)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Electric Utilities.....</b>	<b>21</b>	<b>19</b>	<b>19</b>	<b>19</b>	<b>19</b>	<b>19</b>	<b>19</b>	<b>19</b>	<b>0.5</b>	<b>0.4</b>
Petroleum.....	18	19	19	19	19	19	19	19	0.4	0.4
Hydroelectric .....	3	-	-	-	-	-	-	-	0.1	-
<b>Independent Power Producers and Combined Heat and Power .....</b>	<b>4,187</b>	<b>4,170</b>	<b>4,166</b>	<b>4,168</b>	<b>4,194</b>	<b>4,219</b>	<b>4,324</b>	<b>4,410</b>	<b>99.5</b>	<b>99.6</b>
Coal.....	96	85	85	85	85	85	85	85	2.3	1.9
Petroleum.....	1,203	1,010	1,010	1,010	1,011	1,011	988	988	28.6	22.3
Natural Gas .....	1,492	1,658	1,658	1,655	1,636	1,645	1,645	1,645	35.5	37.1
Hydroelectric .....	708	722	720	719	718	730	738	738	16.8	16.6
Other Renewables <sup>1</sup> .....	688	695	693	699	744	748	868	954	16.4	21.5
<b>Total Electric Industry.....</b>	<b>4,208</b>	<b>4,190</b>	<b>4,185</b>	<b>4,187</b>	<b>4,213</b>	<b>4,239</b>	<b>4,344</b>	<b>4,430</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	96	85	85	85	85	85	85	85	2.3	1.9
Petroleum.....	1,221	1,029	1,030	1,030	1,031	1,031	1,008	1,008	29.0	22.7
Natural Gas .....	1,492	1,658	1,658	1,655	1,636	1,645	1,645	1,645	35.5	37.1
Hydroelectric .....	711	722	720	719	718	730	738	738	16.9	16.6
Other Renewables <sup>1</sup> .....	688	695	693	699	744	748	868	954	16.4	21.5

<sup>1</sup> Other Renewables includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

- (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, 2000 and 2004 Through 2010**  
(Megawatthours)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Maine</b>										
Electric Utilities.....	2,781	1,121	827	489	1,317	1,080	867	1,759	*	*
Petroleum.....	-	1,121	827	489	1,317	1,080	867	1,759	-	*
Hydroelectric.....	2,781	-	-	-	-	-	-	-	*	-
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>14,045,166</b>	<b>19,097,764</b>	<b>18,843,151</b>	<b>16,815,684</b>	<b>16,127,250</b>	<b>17,093,839</b>	<b>16,348,982</b>	<b>17,016,901</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	649,748	359,410	320,271	321,262	375,577	351,799	72,146	87,193	4.6	0.5
Petroleum.....	2,797,329	1,310,792	1,620,564	594,446	817,060	531,905	432,566	270,541	19.9	1.6
Natural Gas.....	3,044,440	9,832,187	8,398,453	7,297,856	6,674,594	7,379,615	7,355,394	8,373,606	21.7	49.2
Other Gases <sup>1</sup> .....	-	38	54	-	-	-	-	-	-	-
Hydroelectric.....	3,588,034	3,430,249	4,090,926	4,278,132	3,738,168	4,457,405	4,211,679	3,810,381	25.5	22.4
Other Renewables <sup>2</sup> .....	3,821,868	3,598,037	4,068,189	3,967,651	4,206,979	4,057,985	3,938,244	4,152,283	27.2	24.4
Other <sup>3</sup> .....	143,747	567,052	344,693	356,336	314,872	315,131	338,953	322,896	1.0	1.9
<b>Total Electric Industry.....</b>	<b>14,047,947</b>	<b>19,098,885</b>	<b>18,843,978</b>	<b>16,816,173</b>	<b>16,128,567</b>	<b>17,094,919</b>	<b>16,349,849</b>	<b>17,018,660</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	649,748	359,410	320,271	321,262	375,577	351,799	72,146	87,193	4.6	0.5
Petroleum.....	2,797,329	1,311,913	1,621,391	594,935	818,377	532,985	433,433	272,300	19.9	1.6
Natural Gas.....	3,044,440	9,832,187	8,398,453	7,297,856	6,674,594	7,379,615	7,355,394	8,373,606	21.7	49.2
Other Gases <sup>1</sup> .....	-	38	54	-	-	-	-	-	-	-
Hydroelectric.....	3,590,815	3,430,249	4,090,926	4,278,132	3,738,168	4,457,405	4,211,679	3,810,381	25.6	22.4
Other Renewables <sup>2</sup> .....	3,821,868	3,598,037	4,068,189	3,967,651	4,206,979	4,057,985	3,938,244	4,152,283	27.2	24.4
Other <sup>3</sup> .....	143,747	567,052	344,693	356,336	314,872	315,131	338,953	322,896	1.0	1.9

<sup>1</sup> Other gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

<sup>2</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>3</sup> Other includes non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

\* = 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.

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

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, 2000 and 2004 Through 2010**

Fuel, Quality	2000	2004	2005	2006	2007	2008	2009	2010
<b>Maine</b>								
Coal (cents per million Btu) .....	-	W	W	W	W	W	W	619
Average heat value (Btu per pound).....	-	12,854	12,823	12,784	13,171	12,979	12,779	13,011
Average sulfur Content (percent) .....	-	0.77	0.78	0.70	0.65	0.72	0.82	0.72
Petroleum (cents per million Btu) <sup>1</sup> .....	-	504	W	762	W	1,081	841	1,238
Average heat value (Btu per gallon).....	-	151,731	152,776	152,495	150,571	149,510	148,076	147,538
Average sulfur Content (percent) .....	-	1.02	1.12	1.33	1.35	1.24	1.10	0.84
Natural Gas (cents per million Btu).....	-	628	W	W	W	1,006	493	539
Average heat value (Btu per cubic foot).....	-	1,044	1,058	1,062	1,056	1,053	1,045	1,043

<sup>1</sup> 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, 2000 and 2004 Through 2010 (Thousand Metric Tons)**

Emission Type	2000	2004	2005	2006	2007	2008	2009	2010
<b>Maine</b>								
<b>Sulfur Dioxide .....</b>								
Coal.....	6	2	2	2	2	1	*	*
Petroleum.....	25	9	11	7	11	6	4	2
Natural Gas .....	*	*	*	*	*	*	*	*
Other Renewables <sup>1</sup> .....	12	9	9	8	8	19	28	9
Other <sup>2</sup> .....	2	1	*	*	*	*	1	1
Total.....	45	20	22	17	21	26	33	12
<b>Nitrogen Oxide .....</b>								
Coal.....	2	1	1	1	1	1	*	*
Petroleum.....	6	2	3	2	2	1	1	1
Natural Gas .....	1	2	*	*	*	*	*	1
Other Renewables <sup>1</sup> .....	8	5	6	5	5	7	9	6
Other <sup>2</sup> .....	2	1	2	1	2	1	1	1
Total.....	19	12	12	10	10	11	12	8
<b>Carbon Dioxide .....</b>								
Coal.....	857	655	615	611	651	556	157	213
Petroleum.....	3,748	2,010	2,498	1,419	1,463	917	714	508
Natural Gas .....	1,582	4,272	3,478	3,121	2,958	3,321	3,202	3,553
Other Gases.....	-	*	*	-	-	-	-	-
Other Renewables <sup>1</sup> .....	-	-	-	-	-	-	-	181
Other <sup>2</sup> .....	417	453	522	526	536	519	643	493
Total.....	6,604	7,390	7,112	5,677	5,608	5,314	4,714	4,948

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, and other biomass.

<sup>2</sup> Other includes non-biogenic municipal solid waste, tire-derived fuels, and miscellaneous technologies.

\* = 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.

Note: CO2 emissions for the historical years 1998 - 2008 have been revised due to changes in emission factors.

Sources: Calculations made by the Electric Power Systems and Reliability Team; Office of Electricity, Renewables, and Uranium Statistics; U. S. Energy Information Administration.

**Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 2000 and 2004 Through 2010**

Sector	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Maine</b>										
<b>Retail Sales (thousand megawatthours) .....</b>										
Residential .....	3,737	4,331	4,503	4,351	4,413	4,351	4,360	4,372	30.7	37.9
Commercial .....	3,712	4,325	4,157	4,134	4,195	4,148	4,071	4,101	30.5	35.6
Industrial .....	4,551	3,711	3,702	3,800	3,252	3,175	2,852	3,059	37.4	26.5
Other .....	163	NA	NA	NA	NA	NA	NA	NA	1.3	--
All Sectors .....	12,163	12,368	12,363	12,285	11,860	11,674	11,283	11,532	100.0	100.0
<b>Retail Revenue (million dollars) .....</b>										
Residential .....	467	527	596	601	729	705	682	687	39.6	46.4
Commercial .....	380	428	442	514	543	538	511	513	32.2	34.7
Industrial .....	314	244	269	336	459	372	284	280	26.6	18.9
Other .....	19	NA	NA	NA	NA	NA	NA	NA	1.6	--
All Sectors .....	1,178	1,198	1,307	1,450	1,731	1,615	1,477	1,481	100.0	100.0
<b>Average Retail Prices (cents/kWh) .....</b>										
Residential .....	12.49	12.16	13.23	13.80	16.52	16.20	15.65	15.71	--	--
Commercial .....	10.23	9.89	10.63	12.42	12.94	12.98	12.55	12.51	--	--
Industrial .....	6.89	6.56	7.28	8.83	14.11	11.70	9.95	9.17	--	--
Other .....	11.45	NA	NA	NA	NA	NA	NA	NA	--	--
All Sectors .....	9.69	9.69	10.57	11.80	14.59	13.83	13.09	12.84	--	--

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, 2010**

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
<b>Maine</b>								
Number of Entities .....	1	4	NA	2	NA	21	6	34
Number of Retail Customers .....	34	10,431	NA	2,540	NA	777,707	NA	790,712
Retail Sales (thousand megawatthours) .....	*	140	NA	12	NA	11,380	NA	11,532
Percentage of Retail Sales .....	*	1.21	--	0.10	--	98.69	--	100.00
Revenue from Retail Sales (million dollars) .....	*	18	NA	3	NA	923	536	1,481
Percentage of Revenue .....	*	1.24	--	0.21	--	62.33	36.22	100.00
Average Retail Price (cents/kWh) .....	12.79	13.11	NA	26.52	NA	8.11	4.71	12.84

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 \*).

Notes: Data are shown for All Sectors. Full Service Providers sell bundled electricity services (e.g., both energy and delivery) to end users. Full Service Providers may purchase electricity from others (such as independent Power Producers or other full service providers) prior to delivery. Other Providers sell either the energy or the delivery services, but not both. Sales volumes and customer counts shown for Other Providers refer to delivered electricity, which is a joint activity of both energy and delivery providers; for clarity, they are reported only in the Energy column in this table. The revenue shown under Other Providers represents the revenue realized from the sale of the energy and the delivery services distinctly. "Public" entities include municipalities, State power agencies, and municipal marketing authorities. Federal entities are either owned or financed by the Federal Government. "Cooperatives" are electric utilities legally established to be owned by and operated for the benefit of those using its services. The cooperative will generate, transmit and/or distribute supplies of electric energy to a specified area not being serviced by another utility. "Non-utility" sales represent direct electricity transactions from independent generators to end use consumers. Totals may not equal sum of components because of independent rounding.

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

**Table 10. Supply and Disposition of Electricity, 2000 and 2004 Through 2010**  
(Million Kilowatthours)

Category	2000	2004	2005	2006	2007	2008	2009	2010
<b>Maine</b>								
<b>Supply</b> .....								
<b>Generation</b> .....								
Electric Utilities .....	3	1	1	*	1	1	1	2
Independent Power Producers .....	7,619	12,630	13,127	11,091	10,154	10,942	10,946	11,278
Combined Heat and Power, Electric .....	1,691	1,400	730	701	702	575	479	603
<b>Electric Power Sector Generation Subtotal</b> .....	<b>9,313</b>	<b>14,031</b>	<b>13,858</b>	<b>11,792</b>	<b>10,857</b>	<b>11,517</b>	<b>11,426</b>	<b>11,883</b>
Combined Heat and Power, Commercial .....	198	176	177	172	173	177	184	179
Combined Heat and Power, Industrial.....	4,536	4,892	4,809	4,852	5,099	5,400	4,740	4,957
<b>Industrial and Commercial Generation Subtotal</b> .....	<b>4,734</b>	<b>5,068</b>	<b>4,986</b>	<b>5,024</b>	<b>5,272</b>	<b>5,578</b>	<b>4,924</b>	<b>5,136</b>
<b>Total Net Generation</b> .....	<b>14,048</b>	<b>19,099</b>	<b>18,844</b>	<b>16,816</b>	<b>16,129</b>	<b>17,095</b>	<b>16,350</b>	<b>17,019</b>
<b>Total International Imports</b> .....	<b>4,236</b>	<b>3,922</b>	<b>2,537</b>	<b>3,774</b>	<b>4,263</b>	<b>1,743</b>	<b>2,604</b>	<b>2,840</b>
<b>Total Supply</b> .....	<b>18,284</b>	<b>23,021</b>	<b>21,381</b>	<b>20,590</b>	<b>20,391</b>	<b>18,838</b>	<b>18,954</b>	<b>19,859</b>
<b>Disposition</b> .....								
<b>Retail Sales</b> .....								
Full Service Providers .....	6,405	463	173	169	159	154	150	152
Energy-Only Providers.....	5,758	11,775	11,993	11,453	11,702	11,520	11,133	11,380
Facility Direct Retail Sales <sup>1</sup> .....	-	130	196	663	-	-	-	-
<b>Total Electric Industry Retail Sales</b> .....	<b>12,163</b>	<b>12,368</b>	<b>12,363</b>	<b>12,285</b>	<b>11,860</b>	<b>11,674</b>	<b>11,283</b>	<b>11,532</b>
<b>Direct Use</b> .....	<b>4,493</b>	<b>4,372</b>	<b>2,588</b>	<b>4,344</b>	<b>3,811</b>	<b>3,636</b>	<b>3,085</b>	<b>3,429</b>
<b>Total International Exports</b> .....	<b>381</b>	<b>124</b>	<b>151</b>	<b>591</b>	<b>898</b>	<b>624</b>	<b>624</b>	<b>993</b>
<b>Estimated Losses</b> .....	<b>866</b>	<b>447</b>	<b>490</b>	<b>376</b>	<b>378</b>	<b>461</b>	<b>340</b>	<b>294</b>
<b>Net Interstate Trade</b> <sup>2</sup> .....	<b>381</b>	<b>5,710</b>	<b>5,789</b>	<b>2,994</b>	<b>3,444</b>	<b>2,444</b>	<b>3,622</b>	<b>3,612</b>
<b>Total Disposition</b> .....	<b>18,284</b>	<b>23,021</b>	<b>21,381</b>	<b>20,590</b>	<b>20,391</b>	<b>18,838</b>	<b>18,954</b>	<b>19,859</b>
<b>Net Trade Index (ratio)</b> <sup>3</sup> .....	<b>1.02</b>	<b>1.33</b>	<b>1.37</b>	<b>1.17</b>	<b>1.20</b>	<b>1.15</b>	<b>1.24</b>	<b>1.22</b>

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

<sup>2</sup> Net Interstate Trade = Total Supply - (Total Electric Industry Retail Sales + Direct Use + Total International Exports (if applies) + Estimated Losses).

<sup>3</sup> Net Trade Index is the sum of Total Supply / (Total Disposition - Net Interstate Trade).

\* = 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. Beginning with publication year 2010, Total disposition has been reorganized to include Net Interstate Trade. Therefore, Total Disposition equals Total Supply.

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. 2010 Summary Statistics**

Item	Value	U.S. Rank
<b>Maryland</b>		
NERC Region(s).....		<b>RFC</b>
Primary Energy Source.....		<b>Coal</b>
Net Summer Capacity (megawatts) .....	<b>12,516</b>	<b>33</b>
Electric Utilities.....	80	47
Independent Power Producers & Combined Heat and Power.....	12,436	9
Net Generation (megawatthours).....	<b>43,607,264</b>	<b>33</b>
Electric Utilities.....	2,996	48
Independent Power Producers & Combined Heat and Power.....	43,604,268	9
Emissions (thousand metric tons) .....		
Sulfur Dioxide .....	45	28
Nitrogen Oxide.....	25	34
Carbon Dioxide.....	26,369	33
Sulfur Dioxide (lbs/MWh) .....	2.3	29
Nitrogen Oxide (lbs/MWh) .....	1.3	29
Carbon Dioxide (lbs/MWh).....	1,333	24
Total Retail Sales (megawatthours).....	<b>65,335,498</b>	<b>24</b>
Full Service Provider Sales (megawatthours) .....	36,082,473	31
Energy-Only Provider Sales (megawatthours).....	29,253,025	5
Direct Use (megawatthours) .....	<b>997,202</b>	<b>27</b>
Average Retail Price (cents/kWh).....	<b>12.70</b>	<b>13</b>

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, 2010**

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
<b>Maryland</b>			
1. Chalk Point LLC.....	Coal	Mirant Chalk Point LLC	2,347
2. Calvert Cliffs Nuclear Power Plant.....	Nuclear	Calvert Cliffs Nuclear PP Inc	1,705
3. Morgantown Generating Plant .....	Coal	Mirant Mid-Atlantic LLC	1,477
4. Brandon Shores.....	Coal	Constellation Power Source Gen	1,273
5. Herbert A Wagner .....	Coal	Constellation Power Source Gen	976
6. Dickerson.....	Coal	Mirant Mid-Atlantic LLC	844
7. NAEA Rock Springs LLC.....	Gas	NAEA Rock Springs LLC	652
8. Conowingo.....	Hydroelectric	Exelon Power	572
9. C P Crane.....	Coal	Constellation Power Source Gen	399
10. Perryman.....	Petroleum	Constellation Power Source Gen	354

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, 2010**  
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
1. Baltimore Gas & Electric Co.....	Investor-Owned	16,318,116	12,344,328	3,706,750	267,038	-
2. Potomac Electric Power Co.....	Investor-Owned	7,310,475	5,561,943	1,748,455	77	-
3. Washington Gas Energy Services .....	Other Provider	6,292,759	1,163,329	5,129,430	-	-
4. PEPSCO Energy Services.....	Other Provider	4,523,378	2,999	4,520,379	-	-
5. The Potomac Edison Co.....	Investor-Owned	4,383,248	3,303,277	796,849	283,122	-
Total Sales, Top Five Providers .....		38,827,976	22,375,876	15,901,863	550,237	-
Percent of Total State Sales .....		59	77	52	11	-

- (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, 2000 and 2004 Through 2010**  
(Megawatts)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Electric Utilities.....</b>	<b>753</b>	<b>79</b>	<b>79</b>	<b>79</b>	<b>80</b>	<b>80</b>	<b>80</b>	<b>80</b>	<b>7.2</b>	<b>0.6</b>
Petroleum.....	241	79	79	79	80	80	80	80	2.3	0.6
Hydroelectric .....	512	-	-	-	-	-	-	-	4.9	-
<b>Independent Power Producers and Combined Heat and Power .....</b>	<b>9,770</b>	<b>12,419</b>	<b>12,423</b>	<b>12,421</b>	<b>12,406</b>	<b>12,505</b>	<b>12,403</b>	<b>12,436</b>	<b>92.8</b>	<b>99.4</b>
Coal.....	4,752	4,958	4,958	4,958	4,958	4,944	4,876	4,886	45.2	39.0
Petroleum.....	2,298	3,343	3,343	3,061	2,885	2,911	2,907	2,853	21.8	22.8
Natural Gas.....	735	1,538	1,542	1,821	1,953	2,038	2,035	2,041	7.0	16.3
Other Gases <sup>1</sup> .....	163	152	152	152	152	152	152	152	1.6	1.2
Nuclear.....	1,675	1,735	1,735	1,735	1,735	1,735	1,705	1,705	15.9	13.6
Hydroelectric.....	19	566	566	566	590	590	590	590	0.2	4.7
Other Renewables <sup>2</sup> .....	128	127	127	127	133	135	137	209	1.2	1.7
<b>Total Electric Industry.....</b>	<b>10,523</b>	<b>12,499</b>	<b>12,503</b>	<b>12,500</b>	<b>12,486</b>	<b>12,585</b>	<b>12,482</b>	<b>12,516</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	4,752	4,958	4,958	4,958	4,958	4,944	4,876	4,886	45.2	39.0
Petroleum.....	2,538	3,422	3,422	3,140	2,965	2,991	2,986	2,933	24.1	23.4
Natural Gas.....	735	1,538	1,542	1,821	1,953	2,038	2,035	2,041	7.0	16.3
Other Gases <sup>1</sup> .....	163	152	152	152	152	152	152	152	1.6	1.2
Nuclear.....	1,675	1,735	1,735	1,735	1,735	1,735	1,705	1,705	15.9	13.6
Hydroelectric.....	531	566	566	566	590	590	590	590	5.0	4.7
Other Renewables <sup>2</sup> .....	128	127	127	127	133	135	137	209	1.2	1.7

<sup>1</sup> Other gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

<sup>2</sup> Other Renewables includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

- (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, 2000 and 2004 Through 2010**  
(Megawatthours)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Maryland</b>										
<b>Electric Utilities.....</b>	<b>31,783,195</b>	<b>30,023</b>	<b>44,235</b>	<b>11,941</b>	<b>23,712</b>	<b>5,856</b>	<b>2,294</b>	<b>2,996</b>	<b>62.1</b>	<b>*</b>
Coal.....	20,353,004	-	-	-	-	-	-	-	39.8	-
Petroleum.....	1,507,860	30,023	44,235	11,941	23,712	5,856	2,294	2,832	2.9	*
Natural Gas.....	1,884,407	-	-	-	-	-	-	-	3.7	-
Nuclear.....	6,323,940	-	-	-	-	-	-	-	12.4	-
Hydroelectric.....	1,713,984	-	-	-	-	-	-	-	3.4	-
Other Renewables <sup>1</sup> .....	-	-	-	-	-	-	-	164	-	*
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>19,362,185</b>	<b>52,022,747</b>	<b>52,617,365</b>	<b>48,944,939</b>	<b>50,174,211</b>	<b>47,355,097</b>	<b>43,772,538</b>	<b>43,604,268</b>	<b>37.9</b>	<b>100.0</b>
Coal.....	9,098,061	29,195,458	29,302,792	29,408,022	29,699,186	27,218,239	24,162,345	23,668,205	17.8	54.3
Petroleum.....	880,735	3,266,819	3,761,334	568,785	961,118	399,984	327,606	319,606	1.7	0.7
Natural Gas.....	968,469	1,183,301	1,886,986	1,770,206	2,240,927	1,848,147	1,767,845	2,896,979	1.9	6.6
Other Gases <sup>2</sup> .....	74,572	411,565	342,466	332,444	377,560	337,823	269,182	214,727	0.1	0.5
Nuclear.....	7,503,303	14,580,260	14,703,221	13,830,411	14,353,192	14,678,695	14,550,119	13,993,948	14.7	32.1
Hydroelectric.....	18,635	2,507,521	1,703,639	2,104,275	1,652,216	1,974,078	1,888,769	1,667,396	*	3.8
Other Renewables <sup>1</sup> .....	818,410	589,208	623,365	626,161	603,462	612,485	550,780	573,501	1.6	1.3
Other <sup>3</sup> .....	-	288,616	293,561	304,635	286,550	285,645	255,891	269,906	-	0.6
<b>Total Electric Industry.....</b>	<b>51,145,380</b>	<b>52,052,770</b>	<b>52,661,600</b>	<b>48,956,880</b>	<b>50,197,924</b>	<b>47,360,953</b>	<b>43,774,832</b>	<b>43,607,264</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	29,451,065	29,195,458	29,302,792	29,408,022	29,699,186	27,218,239	24,162,345	23,668,205	57.6	54.3
Petroleum.....	2,388,595	3,296,842	3,805,569	580,726	984,831	405,840	329,900	322,438	4.7	0.7
Natural Gas.....	2,852,876	1,183,301	1,886,986	1,770,206	2,240,927	1,848,147	1,767,845	2,896,979	5.6	6.6
Other Gases <sup>2</sup> .....	74,572	411,565	342,466	332,444	377,560	337,823	269,182	214,727	0.1	0.5
Nuclear.....	13,827,243	14,580,260	14,703,221	13,830,411	14,353,192	14,678,695	14,550,119	13,993,948	27.0	32.1
Hydroelectric.....	1,732,619	2,507,521	1,703,639	2,104,275	1,652,216	1,974,078	1,888,769	1,667,396	3.4	3.8
Other Renewables <sup>1</sup> .....	818,410	589,208	623,365	626,161	603,462	612,485	550,780	573,665	1.6	1.3
Other <sup>3</sup> .....	-	288,616	293,561	304,635	286,550	285,645	255,891	269,906	-	0.6

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>2</sup> Other gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

<sup>3</sup> Other includes non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

\* = 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.

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

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, 2000 and 2004 Through 2010**

Fuel, Quality	2000	2004	2005	2006	2007	2008	2009	2010
<b>Maryland</b>								
Coal (cents per million Btu) .....	133	174	192	227	212	366	301	341
Average heat value (Btu per pound).....	12,945	12,653	12,638	12,504	12,501	12,361	12,510	12,288
Average sulfur Content (percent) .....	1.18	1.25	1.32	1.28	1.26	1.20	1.25	1.38
Petroleum (cents per million Btu) <sup>1</sup> .....	401	552	788	1,013	1,060	1,721	1,014	1,555
Average heat value (Btu per gallon).....	150,181	149,417	148,498	146,088	145,614	142,967	140,426	138,252
Average sulfur Content (percent) .....	0.92	0.54	0.64	0.48	0.53	0.38	0.31	0.18
Natural Gas (cents per million Btu).....	442	553	991	748	757	1,051	521	559
Average heat value (Btu per cubic foot).....	1,044	1,048	1,046	1,043	1,042	1,050	1,053	1,034

<sup>1</sup> 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, 2000 and 2004 Through 2010**  
(Thousand Metric Tons)

Emission Type	2000	2004	2005	2006	2007	2008	2009	2010
<b>Maryland</b>								
<b>Sulfur Dioxide</b> .....								
Coal.....	238	261	258	256	252	222	194	43
Petroleum.....	14	13	16	12	12	1	1	*
Natural Gas.....	*	*	*	*	*	*	*	*
Other Gases.....	*	*	*	*	*	*	*	*
Other Renewables <sup>1</sup> .....	2	2	2	2	2	2	2	2
Other <sup>2</sup> .....	2	*	*	*	*	*	*	*
Total.....	256	277	276	271	267	226	197	45
<b>Nitrogen Oxide</b> .....								
Coal.....	68	51	50	47	43	33	17	18
Petroleum.....	6	7	8	5	5	2	1	1
Natural Gas.....	2	3	2	7	2	2	2	3
Other Gases.....	*	1	1	1	1	1	1	*
Other Renewables <sup>1</sup> .....	1	2	2	2	1	2	2	2
Other <sup>2</sup> .....	3	2	2	2	2	2	2	2
Total.....	81	65	64	62	55	41	23	25
<b>Carbon Dioxide</b> .....								
Coal.....	28,028	28,186	28,547	28,362	28,666	26,965	23,650	23,660
Petroleum.....	2,156	2,839	3,315	553	893	380	312	323
Natural Gas.....	1,732	743	1,245	1,308	1,373	1,223	1,132	1,815
Other Gases.....	-	-	-	*	-	-	-	-
Other Renewables <sup>1</sup> .....	-	-	-	-	-	-	-	320
Other <sup>2</sup> .....	560	599	587	612	580	587	565	251
Total.....	32,476	32,367	33,694	30,836	31,511	29,155	25,659	26,369

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, and other biomass.

<sup>2</sup> Other includes non-biogenic municipal solid waste, tire-derived fuels, and miscellaneous technologies.

\* = 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.

Note: CO2 emissions for the historical years 1998 - 2008 have been revised due to changes in emission factors.

Sources: Calculations made by the Electric Power Systems and Reliability Team; Office of Electricity, Renewables, and Uranium Statistics; U. S. Energy Information Administration.

**Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 2000 and 2004 Through 2010**

Sector	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Maryland</b>										
<b>Retail Sales (thousand megawatthours) .....</b>										
Residential .....	23,949	27,952	28,440	26,905	28,195	27,144	26,945	28,934	39.5	44.3
Commercial .....	25,804	17,264	17,932	29,729	30,691	30,003	29,806	30,771	42.5	47.1
Industrial .....	10,066	21,195	21,517	6,057	5,980	5,650	5,286	5,083	16.6	7.8
Other .....	858	NA	NA	NA	NA	NA	NA	NA	1.4	--
Transportation.....	NA	481	477	482	524	529	553	547	--	0.8
All Sectors .....	60,678	66,892	68,365	63,173	65,391	63,326	62,589	65,335	100.0	100.0
<b>Retail Revenue (million dollars).....</b>										
Residential .....	1,905	2,181	2,405	2,614	3,353	3,757	4,037	4,144	46.6	49.9
Commercial .....	1,691	1,304	1,608	3,141	3,553	3,828	3,568	3,616	41.4	43.6
Industrial .....	417	1,269	1,509	493	563	586	524	487	10.2	5.9
Other .....	76	NA	NA	NA	NA	NA	NA	NA	1.9	--
Transportation.....	NA	31	37	41	53	61	58	54	--	0.6
All Sectors .....	4,089	4,785	5,559	6,288	7,523	8,232	8,186	8,300	100.0	100.0
<b>Average Retail Prices (cents/kWh) .....</b>										
Residential .....	7.95	7.80	8.46	9.71	11.89	13.84	14.98	14.32	--	--
Commercial .....	6.55	7.56	8.97	10.56	11.58	12.76	11.97	11.75	--	--
Industrial .....	4.14	5.99	7.01	8.14	9.41	10.37	9.92	9.57	--	--
Other .....	8.89	NA	NA	NA	NA	NA	NA	NA	--	--
Transportation.....	NA	6.46	7.73	8.43	10.15	11.52	10.43	9.78	--	--
All Sectors .....	6.74	7.15	8.13	9.95	11.50	13.00	13.08	12.70	--	--

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, 2010**

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
<b>Maryland</b>								
Number of Entities.....	4	5	NA	3	NA	25	4	41
Number of Retail Customers .....	1,978,846	34,139	NA	202,418	NA	238,000	NA	2,453,403
Retail Sales (thousand megawatthours).....	30,754	762	NA	4,566	NA	29,253	NA	65,335
Percentage of Retail Sales .....	47.07	1.17	--	6.99	--	44.77	--	100.00
Revenue from Retail Sales (million dollars) .....	4,272	77	NA	608	NA	2,685	657	8,300
Percentage of Revenue .....	51.48	0.93	--	7.33	--	32.34	7.92	100.00
Average Retail Price (cents/kWh).....	13.89	10.15	NA	13.32	NA	9.18	2.25	12.70

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Data are shown for All Sectors. Full Service Providers sell bundled electricity services (e.g., both energy and delivery) to end users. Full Service Providers may purchase electricity from others (such as independent Power Producers or other full service providers) prior to delivery. Other Providers sell either the energy or the delivery services, but not both. Sales volumes and customer counts shown for Other Providers refer to delivered electricity, which is a joint activity of both energy and delivery providers; for clarity, they are reported only in the Energy column in this table. The revenue shown under Other Providers represents the revenue realized from the sale of the energy and the delivery services distinctly. "Public" entities include municipalities, State power agencies, and municipal marketing authorities. Federal entities are either owned or financed by the Federal Government. "Cooperatives" are electric utilities legally established to be owned by and operated for the benefit of those using its services. The cooperative will generate, transmit and/or distribute supplies of electric energy to a specified area not being serviced by another utility. "Non-utility" sales represent direct electricity transactions from independent generators to end use consumers. Totals may not equal sum of components because of independent rounding.

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



**Table 10. Supply and Disposition of Electricity, 2000 and 2004 Through 2010**  
(Million Kilowatthours)

Category	2000	2004	2005	2006	2007	2008	2009	2010
<b>Maryland</b>								
<b>Supply</b> .....								
<b>Generation</b> .....								
Electric Utilities .....	31,783	30	44	12	24	6	2	3
Independent Power Producers .....	15,801	48,457	48,780	45,406	46,274	43,748	40,492	40,879
Combined Heat and Power, Electric .....	3,050	2,926	3,196	2,902	3,275	3,086	2,795	2,237
<b>Electric Power Sector Generation Subtotal</b> .....	<b>50,634</b>	<b>51,413</b>	<b>52,020</b>	<b>48,320</b>	<b>49,573</b>	<b>46,840</b>	<b>43,290</b>	<b>43,118</b>
Combined Heat and Power, Commercial .....	24	49	54	32	28	40	32	40
Combined Heat and Power, Industrial.....	487	591	588	605	597	481	453	449
<b>Industrial and Commercial Generation Subtotal</b> .....	<b>511</b>	<b>640</b>	<b>641</b>	<b>637</b>	<b>625</b>	<b>521</b>	<b>485</b>	<b>489</b>
<b>Total Net Generation</b> .....	<b>51,145</b>	<b>52,053</b>	<b>52,662</b>	<b>48,957</b>	<b>50,198</b>	<b>47,361</b>	<b>43,775</b>	<b>43,607</b>
<b>Total International Imports</b> .....	-	-	-	-	-	-	-	<b>111</b>
<b>Total Supply</b> .....	<b>51,145</b>	<b>52,053</b>	<b>52,662</b>	<b>48,957</b>	<b>50,198</b>	<b>47,361</b>	<b>43,775</b>	<b>43,718</b>
<b>Disposition</b> .....								
<b>Retail Sales</b> .....								
Full Service Providers .....	60,620	53,240	49,145	41,666	38,442	36,766	35,962	36,082
Energy-Only Providers.....	58	13,652	19,202	21,507	26,924	26,560	26,627	29,253
Facility Direct Retail Sales <sup>1</sup> .....	-	-	18	-	25	-	-	-
<b>Total Electric Industry Retail Sales</b> .....	<b>60,678</b>	<b>66,892</b>	<b>68,365</b>	<b>63,173</b>	<b>65,391</b>	<b>63,326</b>	<b>62,589</b>	<b>65,335</b>
<b>Direct Use</b> .....	<b>1,424</b>	<b>1,198</b>	<b>1,095</b>	<b>1,323</b>	<b>1,182</b>	<b>1,204</b>	<b>1,085</b>	<b>997</b>
<b>Estimated Losses</b> .....	<b>4,319</b>	<b>4,689</b>	<b>5,309</b>	<b>4,734</b>	<b>5,976</b>	<b>5,683</b>	<b>4,839</b>	<b>4,817</b>
<b>Net Interstate Trade</b> <sup>2</sup> .....	<b>-15,275</b>	<b>-20,726<sup>R</sup></b>	<b>-22,107<sup>R</sup></b>	<b>-20,274</b>	<b>-22,351</b>	<b>-22,852</b>	<b>-24,738</b>	<b>-27,432</b>
<b>Total Disposition</b> .....	<b>51,145</b>	<b>52,053</b>	<b>52,662</b>	<b>48,957</b>	<b>50,198</b>	<b>47,361</b>	<b>43,775</b>	<b>43,718</b>
<b>Net Trade Index (ratio)</b> <sup>3</sup> .....	<b>0.77</b>	<b>0.72</b>	<b>0.70</b>	<b>0.71</b>	<b>0.69</b>	<b>0.67</b>	<b>0.64</b>	<b>0.61</b>

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

<sup>2</sup> Net Interstate Trade = Total Supply - (Total Electric Industry Retail Sales + Direct Use + Total International Exports (if applies) + Estimated Losses).

<sup>3</sup> Net Trade Index is the sum of Total Supply / (Total Disposition - Net Interstate Trade).

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. Beginning with publication year 2010, Total disposition has been reorganized to include Net Interstate Trade. Therefore, Total Disposition equals Total Supply.

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. 2010 Summary Statistics**

Item	Value	U.S. Rank
<b>Massachusetts</b>		
NERC Region(s).....		NPCC
Primary Energy Source.....		Gas
Net Summer Capacity (megawatts) .....	13,697	31
Electric Utilities.....	937	42
Independent Power Producers & Combined Heat and Power.....	12,760	8
Net Generation (megawatthours).....	42,804,824	34
Electric Utilities.....	802,906	43
Independent Power Producers & Combined Heat and Power.....	42,001,918	10
Emissions (thousand metric tons) .....		
Sulfur Dioxide .....	35	31
Nitrogen Oxide.....	17	38
Carbon Dioxide.....	20,291	36
Sulfur Dioxide (lbs/MWh) .....	1.8	34
Nitrogen Oxide (lbs/MWh) .....	0.9	39
Carbon Dioxide (lbs/MWh).....	1,045	38
Total Retail Sales (megawatthours) .....	57,123,422	26
Full Service Provider Sales (megawatthours) .....	31,822,942	34
Energy-Only Provider Sales (megawatthours).....	25,300,480	7
Direct Use (megawatthours) .....	602,178	30
Average Retail Price (cents/kWh).....	14.26	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, 2010**

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
<b>Massachusetts</b>			
1. Mystic Generating Station.....	Gas	Boston Generating LLC	1,968
2. Brayton Point.....	Coal	Dominion Energy New England, LLC	1,545
3. Canal.....	Petroleum	Mirant Canal LLC	1,119
4. Northfield Mountain.....	Pumped Storage	FirstLight Power Resources Services LLC	1,080
5. Salem Harbor.....	Coal	Dominion Energy New England, LLC	744
6. Fore River Generating Station.....	Gas	Boston Generating LLC	688
7. Pilgrim Nuclear Power Station.....	Nuclear	Energy Nuclear Generation Co	685
8. Bear Swamp.....	Pumped Storage	Brookfield Power New England	600
9. ANP Bellingham Energy Project.....	Gas	ANP Bellingham Energy Company LLC	475
10. ANP Blackstone Energy Project .....	Gas	ANP Blackstone Energy Company LLC	437

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, 2010**  
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
1. Massachusetts Electric Co.....	Investor-Owned	12,522,051	8,884,116	3,167,592	470,343	-
2. NSTAR Electric Company.....	Investor-Owned	8,946,038	5,484,797	2,382,635	1,078,606	-
3. Constellation NewEnergy, Inc.....	Other Provider	4,767,773	-	3,478,609	1,289,164	-
4. Strategic Energy LLC.....	Other Provider	3,708,146	-	3,708,146	-	-
5. Consolidated Edison Sol Inc.....	Other Provider	2,891,778	1,290,581	1,601,197	-	-
Total Sales, Top Five Providers.....		32,835,786	15,659,494	14,338,179	2,838,113	-
Percent of Total State Sales.....		57	73	79	17	-

- (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, 2000 and 2004 Through 2010**  
(Megawatts)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Electric Utilities.....</b>	<b>996</b>	<b>981</b>	<b>983</b>	<b>837</b>	<b>827</b>	<b>829</b>	<b>930</b>	<b>937</b>	<b>8.1</b>	<b>6.8</b>
Coal.....	145	145	144	-	-	-	-	-	1.2	-
Petroleum.....	475	661	661	659	648	624	624	528	3.8	3.9
Natural Gas.....	330	131	131	131	131	157	257	353	2.7	2.6
Hydroelectric.....	46	44	47	47	47	45	47	47	0.4	0.3
Other Renewables <sup>1</sup> .....	*	-	-	-	2	2	2	10	*	0.1
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>11,355</b>	<b>13,021</b>	<b>12,986</b>	<b>13,095</b>	<b>12,730</b>	<b>12,677</b>	<b>12,769</b>	<b>12,760</b>	<b>91.9</b>	<b>93.2</b>
Coal.....	1,451	1,578	1,599	1,743	1,744	1,662	1,668	1,669	11.8	12.2
Petroleum.....	3,474	2,581	2,580	2,559	2,489	2,496	2,501	2,504	28.1	18.3
Natural Gas.....	3,708	6,026	5,971	5,958	5,658	5,682	5,719	5,710	30.0	41.7
Nuclear.....	665	685	685	685	685	685	685	685	5.4	5.0
Hydroelectric.....	209	216	213	212	212	212	214	215	1.7	1.6
Other Renewables <sup>1</sup> .....	352	293	296	296	299	297	302	295	2.9	2.2
Pumped Storage.....	1,495	1,643	1,643	1,643	1,643	1,643	1,680	1,680	12.1	12.3
Other <sup>2</sup> .....	-	-	-	-	-	-	-	3	-	*
<b>Total Electric Industry.....</b>	<b>12,351</b>	<b>14,002</b>	<b>13,969</b>	<b>13,932</b>	<b>13,557</b>	<b>13,505</b>	<b>13,699</b>	<b>13,697</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	1,596	1,723	1,743	1,743	1,744	1,662	1,668	1,669	12.9	12.2
Petroleum.....	3,949	3,242	3,241	3,219	3,137	3,120	3,125	3,031	32.0	22.1
Natural Gas.....	4,038	6,157	6,102	6,089	5,789	5,839	5,977	6,063	32.7	44.3
Nuclear.....	665	685	685	685	685	685	685	685	5.4	5.0
Hydroelectric.....	255	260	260	259	259	258	261	262	2.1	1.9
Other Renewables <sup>1</sup> .....	353	293	296	296	301	299	304	304	2.9	2.2
Pumped Storage.....	1,495	1,643	1,643	1,643	1,643	1,643	1,680	1,680	12.1	12.3
Other <sup>2</sup> .....	-	-	-	-	-	-	-	3	-	*

<sup>1</sup> Other Renewables includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>2</sup> Other includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

\* = 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, 2000 and 2004 Through 2010**  
(Megawatthours)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Massachusetts</b>										
<b>Electric Utilities.....</b>	<b>1,704,653</b>	<b>1,524,169</b>	<b>1,622,208</b>	<b>942,917</b>	<b>493,885</b>	<b>507,254</b>	<b>447,912</b>	<b>802,906</b>	<b>4.4</b>	<b>1.9</b>
Coal.....	1,094,848	903,789	1,025,141	-	-	-	-	-	2.8	-
Petroleum.....	123,931	290,865	189,211	29,031	58,456	57,639	32,698	42,546	0.3	0.1
Natural Gas.....	307,009	98,542	118,034	326,418	250,259	175,172	124,473	506,109	0.8	1.2
Hydroelectric.....	299,933	230,973	289,822	587,468	185,169	270,771	285,205	237,957	0.8	0.6
Other Renewables <sup>1</sup> .....	-	-	-	-	-	3,672	5,536	16,294	-	*
Pumped Storage.....	-121,068	-	-	-	-	-	-	-	-0.3	-
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>36,993,228</b>	<b>45,976,314</b>	<b>45,893,235</b>	<b>44,654,858</b>	<b>46,582,090</b>	<b>41,998,224</b>	<b>38,518,739</b>	<b>42,001,918</b>	<b>95.6</b>	<b>98.1</b>
Coal.....	10,059,424	9,622,573	11,008,406	11,138,341	12,024,347	10,628,688	9,028,110	8,305,890	26.0	19.4
Petroleum.....	8,638,738	7,242,293	6,837,233	2,299,215	2,993,148	2,050,360	864,380	253,191	22.3	0.6
Natural Gas.....	10,400,063	20,873,179	20,251,433	22,980,258	24,674,784	21,339,262	20,863,363	25,075,642	26.9	58.6
Nuclear.....	5,512,255	5,938,600	5,475,057	5,829,658	5,119,789	5,868,639	5,396,021	5,917,813	14.2	13.8
Hydroelectric.....	765,226	767,308	752,128	925,177	612,313	885,040	915,871	758,382	2.0	1.8
Other Renewables <sup>1</sup> .....	2,196,818	1,229,900	1,258,315	1,278,829	1,240,224	1,251,706	1,223,721	1,257,440	5.7	2.9
Pumped Storage.....	-579,296	-498,326	-461,643	-578,898	-830,547	-798,400	-533,636	-337,069	-1.5	-0.8
Other <sup>2</sup> .....	-	800,786	772,307	782,278	748,033	772,928	760,909	770,629	-	1.8
<b>Total Electric Industry.....</b>	<b>38,697,881</b>	<b>47,500,483</b>	<b>47,515,443</b>	<b>45,597,775</b>	<b>47,075,975</b>	<b>42,505,478</b>	<b>38,966,651</b>	<b>42,804,824</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	11,154,272	10,526,362	12,033,547	11,138,341	12,024,347	10,628,688	9,028,110	8,305,890	28.8	19.4
Petroleum.....	8,762,669	7,533,158	7,026,444	2,328,246	3,051,604	2,107,999	897,078	295,736	22.6	0.7
Natural Gas.....	10,707,072	20,971,721	20,369,467	23,306,676	24,925,043	21,514,434	20,987,836	25,581,752	27.7	59.8
Nuclear.....	5,512,255	5,938,600	5,475,057	5,829,658	5,119,789	5,868,639	5,396,021	5,917,813	14.2	13.8
Hydroelectric.....	1,065,159	998,281	1,041,950	1,512,645	797,482	1,155,811	1,201,076	996,339	2.8	2.3
Other Renewables <sup>1</sup> .....	2,196,818	1,229,900	1,258,315	1,278,829	1,240,224	1,255,378	1,229,257	1,273,734	5.7	3.0
Pumped Storage.....	-700,364	-498,326	-461,643	-578,898	-830,547	-798,400	-533,636	-337,069	-1.8	-0.8
Other <sup>2</sup> .....	-	800,786	772,307	782,278	748,033	772,928	760,909	770,629	-	1.8

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>2</sup> Other includes non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

\* = 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.

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

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, 2000 and 2004 Through 2010**

Fuel, Quality	2000	2004	2005	2006	2007	2008	2009	2010
<b>Massachusetts</b>								
Coal (cents per million Btu) .....	175	197	W	278	278	294	338	318
Average heat value (Btu per pound).....	13,137	11,793	11,728	11,546	11,595	11,517	11,735	11,985
Average sulfur Content (percent) .....	0.95	0.55	0.50	0.49	0.45	0.52	0.58	0.68
Petroleum (cents per million Btu) <sup>1</sup> .....	553	450	709	796	W	1,347	830	1,342
Average heat value (Btu per gallon).....	143,298	148,871	147,900	149,288	150,964	149,390	147,493	147,012
Average sulfur Content (percent) .....	0.34	0.83	0.81	0.74	0.57	0.54	0.46	0.59
Natural Gas (cents per million Btu).....	444	639	931	731	789	1,014	489	535
Average heat value (Btu per cubic foot).....	1,037	1,035	1,033	1,033	1,036	1,034	1,033	1,035

<sup>1</sup> 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, 2000 and 2004 Through 2010**  
(Thousand Metric Tons)

Emission Type	2000	2004	2005	2006	2007	2008	2009	2010
<b>Massachusetts</b>								
<b>Sulfur Dioxide .....</b>								
Coal.....	63	41	43	36	38	38	30	34
Petroleum.....	42	35	33	13	13	6	3	1
Natural Gas .....	*	*	*	*	*	*	*	*
Other Renewables <sup>1</sup> .....	*	*	*	*	*	*	*	*
Other <sup>2</sup> .....	5	*	*	*	*	*	*	*
Total.....	110	76	76	49	51	44	33	35
<b>Nitrogen Oxide .....</b>								
Coal.....	17	14	14	9	8	8	6	7
Petroleum.....	12	9	7	3	2	1	1	1
Natural Gas .....	7	4	4	4	4	3	3	3
Other Renewables <sup>1</sup> .....	2	1	1	1	1	2	2	2
Other <sup>2</sup> .....	7	5	5	5	5	5	5	5
Total.....	44	33	31	22	20	19	17	17
<b>Carbon Dioxide .....</b>								
Coal.....	10,614	9,715	11,025	10,422	11,164	9,978	8,581	7,814
Petroleum.....	7,407	6,220	5,853	2,295	2,699	1,847	899	292
Natural Gas .....	5,519	9,051	8,889	9,900	10,670	9,108	8,896	10,871
Other Renewables <sup>1</sup> .....	-	-	-	-	-	-	-	735
Other <sup>2</sup> .....	1,276	1,299	1,296	1,293	1,227	1,330	1,307	578
Total.....	24,816	26,285	27,063	23,911	25,760	22,263	19,683	20,291

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, and other biomass.

<sup>2</sup> Other includes non-biogenic municipal solid waste, tire-derived fuels, and miscellaneous technologies.

\* = 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.

Note: CO2 emissions for the historical years 1998 - 2008 have been revised due to changes in emission factors.

Sources: Calculations made by the Electric Power Systems and Reliability Team; Office of Electricity, Renewables, and Uranium Statistics; U. S. Energy Information Administration.

**Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 2000 and 2004 Through 2010**

Sector	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Massachusetts</b>										
<b>Retail Sales (thousand megawatthours) .....</b>										
Residential .....	17,562	19,769	20,539	19,624	20,138	19,638	19,475	21,409	33.9	37.5
Commercial .....	23,033	26,020	26,415	26,237	27,148	26,582	17,775	18,243	44.5	31.9
Industrial .....	10,533	9,947	9,871	9,602	9,450	9,332	16,754	17,116	20.3	30.0
Other .....	644	NA	NA	NA	NA	NA	NA	NA	1.2	--
Transportation.....	NA	406	402	386	403	332	356	355	--	0.6
All Sectors .....	51,773	56,142	57,228	55,850	57,139	55,884	54,359	57,123	100.0	100.0
<b>Retail Revenue (million dollars).....</b>										
Residential .....	1,850	2,323	2,760	3,257	3,269	3,472	3,286	3,124	37.6	38.4
Commercial .....	2,102	2,858	3,282	4,078	4,127	4,201	2,733	2,651	42.8	32.5
Industrial .....	864	844	910	1,252	1,231	1,386	2,360	2,347	17.6	28.8
Other .....	99	NA	NA	NA	NA	NA	NA	NA	2.0	--
Transportation.....	NA	19	19	41	37	31	22	23	--	0.3
All Sectors .....	4,914	6,045	6,971	8,628	8,664	9,091	8,400	8,145	100.0	100.0
<b>Average Retail Prices (cents/kWh) .....</b>										
Residential .....	10.53	11.75	13.44	16.60	16.23	17.68	16.87	14.59	--	--
Commercial .....	9.13	10.99	12.42	15.54	15.20	15.80	15.37	14.53	--	--
Industrial .....	8.20	8.48	9.22	13.04	13.03	14.85	14.08	13.71	--	--
Other .....	15.32	NA	NA	NA	NA	NA	NA	NA	--	--
Transportation.....	NA	4.65	4.80	10.68	9.24	9.39	6.23	6.46	--	--
All Sectors .....	9.49	10.77	12.18	15.45	15.16	16.27	15.45	14.26	--	--

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, 2010**

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Number of Entities.....	5	40	NA	NA	1	25	6	77
Number of Retail Customers .....	2,293,325	396,530	NA	NA	19	380,716	NA	3,070,590
Retail Sales (thousand megawatthours).....	23,682	7,830	NA	NA	311	25,300	NA	57,123
Percentage of Retail Sales .....	41.46	13.71	--	--	0.54	44.29	--	100.00
Revenue from Retail Sales (million dollars) .....	3,372	1,046	NA	NA	39	2,336	1,352	8,145
Percentage of Revenue .....	41.40	12.84	--	--	0.48	28.67	16.59	100.00
Average Retail Price (cents/kWh).....	14.24	13.36	NA	NA	12.70	9.23	5.34	14.26

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Data are shown for All Sectors. Full Service Providers sell bundled electricity services (e.g., both energy and delivery) to end users. Full Service Providers may purchase electricity from others (such as independent Power Producers or other full service providers) prior to delivery. Other Providers sell either the energy or the delivery services, but not both. Sales volumes and customer counts shown for Other Providers refer to delivered electricity, which is a joint activity of both energy and delivery providers; for clarity, they are reported only in the Energy column in this table. The revenue shown under Other Providers represents the revenue realized from the sale of the energy and the delivery services distinctly. "Public" entities include municipalities, State power agencies, and municipal marketing authorities. Federal entities are either owned or financed by the Federal Government. "Cooperatives" are electric utilities legally established to be owned by and operated for the benefit of those using its services. The cooperative will generate, transmit and/or distribute supplies of electric energy to a specified area not being serviced by another utility. "Non-utility" sales represent direct electricity transactions from independent generators to end use consumers. Totals may not equal sum of components because of independent rounding.

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

**Table 10. Supply and Disposition of Electricity, 2000 and 2004 Through 2010**  
(Million Kilowatthours)

Category	2000	2004	2005	2006	2007	2008	2009	2010
<b>Massachusetts</b>								
<b>Supply</b> .....								
<b>Generation</b> .....								
Electric Utilities .....	1,705	1,524	1,622	943	494	507	448	803
Independent Power Producers .....	30,158	41,036	42,122	41,847	43,406	39,846	35,883	38,145
Combined Heat and Power, Electric .....	5,981	4,053	2,896	1,938	2,400	1,444	1,918	3,192
<b>Electric Power Sector Generation Subtotal</b> .....	<b>37,844</b>	<b>46,614</b>	<b>46,640</b>	<b>44,728</b>	<b>46,300</b>	<b>41,797</b>	<b>38,249</b>	<b>42,139</b>
Combined Heat and Power, Commercial .....	426	573	590	574	503	489	525	497
Combined Heat and Power, Industrial.....	428	314	286	296	273	219	193	169
<b>Industrial and Commercial Generation Subtotal</b> .....	<b>854</b>	<b>887</b>	<b>876</b>	<b>869</b>	<b>776</b>	<b>709</b>	<b>718</b>	<b>665</b>
<b>Total Net Generation</b> .....	<b>38,698</b>	<b>47,500</b>	<b>47,515</b>	<b>45,598</b>	<b>47,076</b>	<b>42,505</b>	<b>38,967</b>	<b>42,805</b>
<b>Total International Imports</b> .....	<b>2,143</b>	<b>512</b>	<b>2,577</b>	<b>697</b>	<b>935</b>	<b>4,177</b>	<b>4,911</b>	<b>3,714</b>
<b>Total Supply</b> .....	<b>40,841</b>	<b>48,013</b>	<b>50,092</b>	<b>46,294</b>	<b>48,011</b>	<b>46,683</b>	<b>43,878</b>	<b>46,519</b>
<b>Disposition</b> .....								
<b>Retail Sales</b> .....								
Full Service Providers .....	48,862	43,287	41,357	34,795	32,996	31,546	29,425	31,512
Energy-Only Providers.....	2,911	12,551	15,854	21,055	23,841	24,025	24,625	25,300
Facility Direct Retail Sales <sup>1</sup> .....	-	304	17	-	302	313	309	311
<b>Total Electric Industry Retail Sales</b> .....	<b>51,773</b>	<b>56,142</b>	<b>57,228</b>	<b>55,850</b>	<b>57,139</b>	<b>55,884</b>	<b>54,359</b>	<b>57,123</b>
<b>Direct Use</b> .....	<b>1,184</b>	<b>2,456</b>	<b>1,164</b>	<b>912</b>	<b>751</b>	<b>953</b>	<b>659</b>	<b>602</b>
<b>Total International Exports</b> .....	<b>364</b>	<b>32</b>	<b>332</b>	<b>116</b>	<b>201</b>	<b>328</b>	<b>339</b>	<b>326</b>
<b>Estimated Losses</b> .....	<b>3,685</b>	<b>2,210<sup>R</sup></b>	<b>2,326</b>	<b>4,000</b>	<b>4,193</b>	<b>3,497</b>	<b>2,557</b>	<b>2,497</b>
<b>Net Interstate Trade</b> <sup>2</sup> .....	<b>-16,164</b>	<b>-12,827</b>	<b>-10,958</b>	<b>-14,584</b>	<b>-14,274</b>	<b>-13,981</b>	<b>-14,036</b>	<b>-14,030</b>
<b>Total Disposition</b> .....	<b>40,841</b>	<b>48,013</b>	<b>50,092</b>	<b>46,294</b>	<b>48,011</b>	<b>46,683</b>	<b>43,878</b>	<b>46,519</b>
<b>Net Trade Index (ratio)</b> <sup>3</sup> .....	<b>0.72</b>	<b>0.79</b>	<b>0.82</b>	<b>0.76</b>	<b>0.77</b>	<b>0.77</b>	<b>0.76</b>	<b>0.77</b>

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

<sup>2</sup> Net Interstate Trade = Total Supply - (Total Electric Industry Retail Sales + Direct Use + Total International Exports (if applies) + Estimated Losses).

<sup>3</sup> Net Trade Index is the sum of Total Supply / (Total Disposition - Net Interstate Trade).

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. Beginning with publication year 2010, Total disposition has been reorganized to include Net Interstate Trade. Therefore, Total Disposition equals Total Supply.

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. 2010 Summary Statistics**

Item	Value	U.S. Rank
<b>Michigan</b>		
NERC Region(s).....		<b>MRO/RFC</b>
Primary Energy Source.....		<b>Coal</b>
Net Summer Capacity (megawatts) .....	<b>29,831</b>	<b>11</b>
Electric Utilities.....	21,639	10
Independent Power Producers & Combined Heat and Power.....	8,192	14
Net Generation (megawatthours).....	<b>111,551,371</b>	<b>13</b>
Electric Utilities.....	89,666,874	13
Independent Power Producers & Combined Heat and Power.....	21,884,497	16
Emissions (thousand metric tons) .....		
Sulfur Dioxide .....	254	6
Nitrogen Oxide.....	89	6
Carbon Dioxide.....	74,480	11
Sulfur Dioxide (lbs/MWh) .....	5.0	8
Nitrogen Oxide (lbs/MWh) .....	1.8	19
Carbon Dioxide (lbs/MWh).....	1,472	20
Total Retail Sales (megawatthours) .....	<b>103,649,219</b>	<b>12</b>
Full Service Provider Sales (megawatthours) .....	94,565,247	11
Energy-Only Provider Sales (megawatthours).....	9,083,972	11
Direct Use (megawatthours) .....	<b>1,899,233</b>	<b>19</b>
Average Retail Price (cents/kWh).....	<b>9.88</b>	<b>17</b>

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, 2010**

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
<b>Michigan</b>			
1. Monroe.....	Coal	Detroit Edison Co	2,944
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	1,849
5. Dan E Karn .....	Coal	Consumers Energy Co	1,791
6. Belle River.....	Coal	Detroit Edison Co	1,518
7. J H Campbell .....	Coal	Consumers Energy Co	1,451
8. St Clair.....	Coal	Detroit Edison Co	1,397
9. Fermi.....	Nuclear	Detroit Edison Co	1,133
10. Covert Generating Project .....	Gas	New Covert Generating Company LLC	1,040

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, 2010**  
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
1. Detroit Edison Co.....	Investor-Owned	42,490,936	15,726,131	16,565,482	10,199,323	-
2. Consumers Energy Co.....	Investor-Owned	33,290,120	12,968,152	11,260,844	9,061,124	-
3. Indiana Michigan Power Co.....	Investor-Owned	2,955,812	1,277,157	827,128	851,527	-
4. Wisconsin Electric Power Co.....	Investor-Owned	2,833,354	166,226	150,997	2,516,131	-
5. Constellation NewEnergy, Inc.....	Other Provider	2,394,177	-	1,544,154	850,023	-
Total Sales, Top Five Providers.....		83,964,399	30,137,666	30,348,605	23,478,128	-
Percent of Total State Sales.....		81	87	80	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, 2000 and 2004 Through 2010**  
(Megawatts)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Michigan</b>										
<b>Electric Utilities.....</b>	<b>22,752</b>	<b>23,314</b>	<b>23,029</b>	<b>22,734</b>	<b>21,894</b>	<b>21,885</b>	<b>21,759</b>	<b>21,639</b>	<b>88.3</b>	<b>72.5</b>
Coal.....	11,636	11,623	11,633	11,534	11,533	11,543	11,431	11,218	45.1	37.6
Petroleum.....	1,831	1,649	1,647	1,397	616	610	612	568	7.1	1.9
Natural Gas.....	3,244	3,982	3,669	3,695	4,461	4,447	4,446	4,618	12.6	15.5
Nuclear.....	3,930	3,971	3,982	4,006	3,191	3,191	3,175	3,154	15.2	10.6
Hydroelectric.....	238	217	225	229	221	222	223	209	0.9	0.7
Other Renewables <sup>1</sup> .....	1	-	-	-	-	-	-	-	*	-
Pumped Storage.....	1,872	1,872	1,872	1,872	1,872	1,872	1,872	1,872	7.3	6.3
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>3,027</b>	<b>7,133</b>	<b>7,393</b>	<b>7,456</b>	<b>8,411</b>	<b>8,534</b>	<b>8,549</b>	<b>8,192</b>	<b>11.7</b>	<b>27.5</b>
Coal.....	329	354	349	325	378	378	362	313	1.3	1.1
Petroleum.....	13	70	27	102	57	57	72	72	*	0.2
Natural Gas.....	2,192	6,315	6,618	6,628	6,781	6,771	6,768	6,415	8.5	21.5
Other Gases <sup>2</sup> .....	-	-	5	12	-	-	-	-	-	-
Nuclear.....	-	-	-	-	778	778	778	793	-	2.7
Hydroelectric.....	27	27	28	28	28	28	28	28	0.1	0.1
Other Renewables <sup>1</sup> .....	466	367	367	361	390	523	541	571	1.8	1.9
<b>Total Electric Industry.....</b>	<b>25,779</b>	<b>30,447</b>	<b>30,422</b>	<b>30,189</b>	<b>30,305</b>	<b>30,419</b>	<b>30,308</b>	<b>29,831</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	11,965	11,976	11,982	11,860	11,910	11,921	11,794	11,531	46.4	38.7
Petroleum.....	1,844	1,719	1,675	1,499	673	667	684	640	7.2	2.1
Natural Gas.....	5,436	10,296	10,286	10,322	11,242	11,218	11,214	11,033	21.1	37.0
Other Gases <sup>2</sup> .....	-	-	5	12	-	-	-	-	-	-
Nuclear.....	3,930	3,971	3,982	4,006	3,969	3,969	3,953	3,947	15.2	13.2
Hydroelectric.....	265	245	253	257	249	250	251	237	1.0	0.8
Other Renewables <sup>1</sup> .....	467	367	367	361	390	523	541	571	1.8	1.9
Pumped Storage.....	1,872	1,872	1,872	1,872	1,872	1,872	1,872	1,872	7.3	6.3

<sup>1</sup> Other Renewables includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>2</sup> Other gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

\* = 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, 2000 and 2004 Through 2010**  
(Megawatthours)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Michigan</b>										
<b>Electric Utilities.....</b>	<b>89,572,141</b>	<b>99,608,512</b>	<b>104,830,689</b>	<b>97,373,706</b>	<b>96,785,842</b>	<b>94,503,953</b>	<b>82,787,341</b>	<b>89,666,874</b>	<b>86.0</b>	<b>80.4</b>
Coal.....	66,980,252	67,253,690	69,158,736	66,654,737	69,406,550	68,421,489	65,867,455	64,766,712	64.3	58.1
Petroleum.....	993,932	714,881	788,563	272,106	445,915	281,604	215,189	195,180	1.0	0.2
Natural Gas.....	2,441,140	735,011	1,717,091	982,534	1,079,596	784,967	563,510	1,173,481	2.3	1.1
Other Gases <sup>1</sup> .....	-	1,082	-	18,854	105,130	-	-	-	-	-
Nuclear.....	18,882,432	30,561,961	32,871,574	29,066,165	25,690,938	24,649,692	15,732,299	23,383,919	18.1	21.0
Hydroelectric.....	1,328,083	1,420,178	1,355,963	1,381,242	1,146,768	1,247,863	1,234,066	1,142,977	1.3	1.0
Other Renewables <sup>2</sup> .....	-	-	-	-	54	63	11	-	-	-
Pumped Storage.....	-1,053,698	-1,112,984	-1,106,241	-1,039,210	-1,129,241	-915,502	-856,864	-1,022,559	-1.0	-0.9
Other <sup>3</sup> .....	-	34,693	45,003	37,278	40,131	33,777	31,676	27,165	-	*
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>14,637,453</b>	<b>18,878,757</b>	<b>16,789,082</b>	<b>15,183,032</b>	<b>22,524,095</b>	<b>20,485,853</b>	<b>18,415,264</b>	<b>21,884,497</b>	<b>14.0</b>	<b>19.6</b>
Coal.....	1,286,747	1,352,329	1,164,240	1,125,424	1,404,048	1,433,947	980,229	837,663	1.2	0.8
Petroleum.....	195,331	181,528	88,996	129,781	252,610	175,935	184,060	186,849	0.2	0.2
Natural Gas.....	10,166,124	13,812,692	12,046,801	10,427,421	12,061,388	8,817,069	7,856,040	11,075,781	9.8	9.9
Other Gases <sup>1</sup> .....	-	597,665	372,119	393,493	177,284	264,407	202,510	299,005	-	0.3
Nuclear.....	-	-	-	-	5,826,015	6,834,736	6,118,710	6,240,661	-	5.6
Hydroelectric.....	99,596	119,406	105,745	139,111	123,221	116,515	137,860	107,576	0.1	0.1
Other Renewables <sup>2</sup> .....	2,889,594	2,558,448	2,494,323	2,442,559	2,416,692	2,591,079	2,623,173	2,832,452	2.8	2.5
Other <sup>3</sup> .....	61	256,688	516,858	525,244	262,835	252,165	312,682	304,511	*	0.3
<b>Total Electric Industry.....</b>	<b>104,209,594</b>	<b>118,487,269</b>	<b>121,619,771</b>	<b>112,556,739</b>	<b>119,309,936</b>	<b>114,989,806</b>	<b>101,202,605</b>	<b>111,551,371</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	68,266,999	68,606,019	70,322,976	67,780,161	70,810,599	69,855,436	66,847,683	65,604,374	65.5	58.8
Petroleum.....	1,189,263	896,409	877,559	401,887	698,525	457,538	399,249	382,028	1.1	0.3
Natural Gas.....	12,607,264	14,547,703	13,763,892	11,409,955	13,140,984	9,602,037	8,419,551	12,249,262	12.1	11.0
Other Gases <sup>1</sup> .....	-	598,747	372,119	412,347	282,414	264,407	202,510	299,005	-	0.3
Nuclear.....	18,882,432	30,561,961	32,871,574	29,066,165	31,516,953	31,484,428	21,851,009	29,624,580	18.1	26.6
Hydroelectric.....	1,427,679	1,539,584	1,461,708	1,520,353	1,269,989	1,364,378	1,371,926	1,250,553	1.4	1.1
Other Renewables <sup>2</sup> .....	2,889,594	2,558,448	2,494,323	2,442,559	2,416,747	2,591,141	2,623,184	2,832,452	2.8	2.5
Pumped Storage.....	-1,053,698	-1,112,984	-1,106,241	-1,039,210	-1,129,241	-915,502	-856,864	-1,022,559	-1.0	-0.9
Other <sup>3</sup> .....	61	291,381	561,861	562,522	302,966	285,942	344,358	331,677	*	0.3

<sup>1</sup> Other gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

<sup>2</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>3</sup> Other includes non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

\* = 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.

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

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, 2000 and 2004 Through 2010**

Fuel, Quality	2000	2004	2005	2006	2007	2008	2009	2010
<b>Michigan</b>								
Coal (cents per million Btu) .....	130	139	158	168	172	197	207	212
Average heat value (Btu per pound).....	10,425	9,967	10,021	9,975	9,920	9,902	9,751	9,753
Average sulfur Content (percent) .....	0.59	0.53	0.56	0.56	0.54	0.54	0.49	0.51
Petroleum (cents per million Btu) <sup>1</sup> .....	368	W	W	W	W	1,057	531	590
Average heat value (Btu per gallon).....	136,583	146,540	145,714	144,829	144,798	138,424	138,974	135,157
Average sulfur Content (percent) .....	1.49	1.45	1.74	1.74	1.84	3.28	3.38	4.07
Natural Gas (cents per million Btu).....	390	436	556	601	656	861	453	492
Average heat value (Btu per cubic foot).....	710	1,018	1,013	1,009	1,014	1,013	1,015	1,014

<sup>1</sup> 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, 2000 and 2004 Through 2010 (Thousand Metric Tons)**

Emission Type	2000	2004	2005	2006	2007	2008	2009	2010
<b>Michigan</b>								
<b>Sulfur Dioxide .....</b>								
Coal.....	360	322	329	315	325	329	267	229
Petroleum.....	21	24	26	6	23	13	15	17
Natural Gas.....	*	*	*	*	*	*	*	*
Other Gases.....	-	-	*	-	-	-	*	*
Other Renewables <sup>1</sup> .....	5	4	4	4	4	4	4	5
Other <sup>2</sup> .....	3	1	1	1	1	1	2	2
Total.....	389	351	360	327	353	348	288	254
<b>Nitrogen Oxide .....</b>								
Coal.....	151	106	104	96	99	98	75	72
Petroleum.....	4	4	4	1	4	2	2	2
Natural Gas.....	15	5	5	5	5	4	4	4
Other Gases.....	-	*	*	*	*	*	*	*
Other Renewables <sup>1</sup> .....	9	8	8	8	8	9	9	8
Other <sup>2</sup> .....	3	2	2	2	2	2	2	2
Total.....	182	124	123	113	117	115	91	89
<b>Carbon Dioxide .....</b>								
Coal.....	68,743	68,971	70,913	68,456	71,516	70,823	67,345	66,569
Petroleum.....	1,767	1,433	908	490	1,234	791	803	845
Natural Gas.....	7,822	7,613	7,488	7,212	6,919	5,275	4,789	6,454
Other Renewables <sup>1</sup> .....	-	-	-	-	-	-	-	187
Other <sup>2</sup> .....	526	555	548	559	559	578	651	425
Total.....	78,857	78,572	79,856	76,718	80,228	77,468	73,589	74,480

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, and other biomass.

<sup>2</sup> Other includes non-biogenic municipal solid waste, tire-derived fuels, and miscellaneous technologies.

\* = 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.

Note: CO2 emissions for the historical years 1998 - 2008 have been revised due to changes in emission factors.

Sources: Calculations made by the Electric Power Systems and Reliability Team; Office of Electricity, Renewables, and Uranium Statistics; U. S. Energy Information Administration.

**Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 2000 and 2004 Through 2010**

Sector	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Michigan</b>										
<b>Retail Sales (thousand megawatthours) .....</b>										
Residential .....	30,707	33,104	36,095	34,622	35,366	34,297	32,854	34,681	29.3	33.5
Commercial .....	35,867	38,632	39,600	39,299	40,047	38,974	37,870	38,123	34.2	36.8
Industrial .....	37,268	34,867	34,745	34,093	33,879	32,505	27,391	30,841	35.6	29.8
Other .....	930	NA	NA	NA	NA	NA	NA	NA	0.9	--
Transportation.....	NA	3	5	4	5	5	5	5	--	*
All Sectors .....	104,772	106,606	110,445	108,018	109,297	105,781	98,121	103,649	100.0	100.0
<b>Retail Revenue (million dollars).....</b>										
Residential .....	2,618	2,759	3,033	3,382	3,612	3,685	3,813	4,321	35.1	42.2
Commercial .....	2,832	2,925	3,105	3,345	3,514	3,584	3,499	3,741	38.0	36.5
Industrial .....	1,898	1,717	1,850	2,061	2,192	2,190	1,914	2,183	25.5	21.3
Other .....	100	NA	NA	NA	NA	NA	NA	NA	1.3	--
Transportation.....	NA	*	1	*	*	1	1	1	--	*
All Sectors .....	7,449	7,401	7,988	8,788	9,318	9,459	9,226	10,245	100.0	100.0
<b>Average Retail Prices (cents/kWh) .....</b>										
Residential .....	8.52	8.33	8.40	9.77	10.21	10.75	11.60	12.46	--	--
Commercial .....	7.90	7.57	7.84	8.51	8.77	9.20	9.24	9.81	--	--
Industrial .....	5.09	4.92	5.32	6.05	6.47	6.74	6.99	7.08	--	--
Other .....	10.77	NA	NA	NA	NA	NA	NA	NA	--	--
Transportation.....	NA	7.89	13.07	10.06	9.76	11.83	10.79	10.65	--	--
All Sectors .....	7.11	6.94	7.23	8.14	8.53	8.94	9.40	9.88	--	--

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, 2010**

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Number of Entities.....	8	41	NA	10	1	12	2	74
Number of Retail Customers .....	4,149,290	304,011	NA	317,505	5	7,408	NA	4,778,219
Retail Sales (thousand megawatthours).....	83,115	7,564	NA	3,886	*	9,084	NA	103,649
Percentage of Retail Sales .....	80.19	7.30	--	3.75	*	8.76	--	100.00
Revenue from Retail Sales (million dollars) .....	8,390	697	NA	437	*	560	161	10,245
Percentage of Revenue .....	81.90	6.80	--	4.26	*	5.47	1.57	100.00
Average Retail Price (cents/kWh).....	10.09	9.21	NA	11.23	8.88	6.17	1.77	9.88

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: 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. "Non-utility" sales represent direct electricity transactions from independent generators to end use consumers. Totals may not equal sum of components because of independent rounding.

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

**Table 10. Supply and Disposition of Electricity, 2000 and 2004 Through 2010**  
(Million Kilowatthours)

Category	2000	2004	2005	2006	2007	2008	2009	2010
<b>Michigan</b>								
<b>Supply</b> .....								
<b>Generation</b> .....								
Electric Utilities .....	89,572	99,609	104,831	97,374	96,786	94,504	82,787	89,667
Independent Power Producers .....	1,751	2,560	4,337	3,859	11,028	10,954	10,449	12,570
Combined Heat and Power, Electric .....	10,476	13,904	10,161	9,077	9,327	7,350	6,204	7,475
<b>Electric Power Sector Generation Subtotal</b> .....	<b>101,800</b>	<b>116,073</b>	<b>119,329</b>	<b>110,310</b>	<b>117,141</b>	<b>112,807</b>	<b>99,440</b>	<b>109,712</b>
Combined Heat and Power, Commercial .....	622	536	535	515	627	535	604	624
Combined Heat and Power, Industrial.....	1,788	1,878	1,756	1,731	1,542	1,647	1,159	1,215
<b>Industrial and Commercial Generation Subtotal</b> .....	<b>2,410</b>	<b>2,414</b>	<b>2,291</b>	<b>2,246</b>	<b>2,169</b>	<b>2,182</b>	<b>1,762</b>	<b>1,840</b>
<b>Total Net Generation</b> .....	<b>104,210</b>	<b>118,487</b>	<b>121,620</b>	<b>112,557</b>	<b>119,310</b>	<b>114,990</b>	<b>101,203</b>	<b>111,551</b>
<b>Total International Imports</b> .....	<b>1,329</b>	<b>2,054</b>	<b>1,681</b>	<b>357</b>	<b>1,682</b>	<b>6,305</b>	<b>7,576</b>	<b>6,118</b>
<b>Total Supply</b> .....	<b>105,538</b>	<b>120,542</b>	<b>123,301</b>	<b>112,914</b>	<b>120,992</b>	<b>121,295</b>	<b>108,779</b>	<b>117,669</b>
<b>Disposition</b> .....								
<b>Retail Sales</b> .....								
Full Service Providers .....	104,371	92,097	98,603	101,899	104,526	102,159	93,654	94,565
Energy-Only Providers.....	402	13,991	11,334	5,619	4,293	3,161	4,047	9,084
Facility Direct Retail Sales <sup>1</sup> .....	-	518	508	499	478	461	420	*
<b>Total Electric Industry Retail Sales</b> .....	<b>104,772</b>	<b>106,606</b>	<b>110,445</b>	<b>108,018</b>	<b>109,297</b>	<b>105,781</b>	<b>98,121</b>	<b>103,649</b>
<b>Direct Use</b> .....	<b>2,887</b>	<b>2,922</b>	<b>2,584</b>	<b>2,354</b>	<b>2,005</b>	<b>2,144</b>	<b>1,792</b>	<b>1,899</b>
<b>Total International Exports</b> .....	<b>1,656</b>	<b>5,258</b>	<b>4,411</b>	<b>2,474</b>	<b>2,888</b>	<b>4,001</b>	<b>1,939</b>	<b>2,554</b>
<b>Estimated Losses</b> .....	<b>7,457</b>	<b>7,868</b>	<b>7,941</b>	<b>8,259</b>	<b>9,411</b>	<b>9,031</b>	<b>8,284</b>	<b>8,468</b>
<b>Net Interstate Trade</b> <sup>2</sup> .....	<b>-11,234</b>	<b>-2,113</b>	<b>-2,080<sup>R</sup></b>	<b>-8,190</b>	<b>-2,609</b>	<b>338</b>	<b>-1,357</b>	<b>1,099</b>
<b>Total Disposition</b> .....	<b>105,538</b>	<b>120,542</b>	<b>123,301</b>	<b>112,914</b>	<b>120,992</b>	<b>121,295</b>	<b>108,779</b>	<b>117,669</b>
<b>Net Trade Index (ratio)</b> <sup>3</sup> .....	<b>0.90</b>	<b>0.98</b>	<b>0.98</b>	<b>0.93</b>	<b>0.98</b>	<b>1.00</b>	<b>0.99</b>	<b>1.01</b>

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

<sup>2</sup> Net Interstate Trade = Total Supply - (Total Electric Industry Retail Sales + Direct Use + Total International Exports (if applies) + Estimated Losses).

<sup>3</sup> Net Trade Index is the sum of Total Supply / (Total Disposition - Net Interstate Trade).

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. Beginning with publication year 2010, Total disposition has been reorganized to include Net Interstate Trade. Therefore, Total Disposition equals Total Supply.

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. 2010 Summary Statistics**

Item	Value	U.S. Rank
<b>Minnesota</b>		
NERC Region(s).....		MRO
Primary Energy Source.....		Coal
Net Summer Capacity (megawatts) .....	14,715	27
Electric Utilities.....	11,547	22
Independent Power Producers & Combined Heat and Power.....	3,168	31
Net Generation (megawatthours).....	53,670,227	29
Electric Utilities.....	45,428,599	23
Independent Power Producers & Combined Heat and Power.....	8,241,628	32
Emissions (thousand metric tons) .....		
Sulfur Dioxide .....	57	27
Nitrogen Oxide .....	44	27
Carbon Dioxide.....	32,946	29
Sulfur Dioxide (lbs/MWh) .....	2.3	27
Nitrogen Oxide (lbs/MWh) .....	1.8	18
Carbon Dioxide (lbs/MWh).....	1,353	21
Total Retail Sales (megawatthours) .....	67,799,706	23
Full Service Provider Sales (megawatthours) .....	67,799,706	22
Direct Use (megawatthours) .....	1,071,880	24
Average Retail Price (cents/kWh).....	8.41	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, 2010**

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
<b>Minnesota</b>			
1. Sherburne County.....	Coal	Northern States Power Co - Minnesota	2,275
2. Prairie Island.....	Nuclear	Northern States Power Co - Minnesota	1,040
3. Clay Boswell.....	Coal	Minnesota Power Inc	924
4. Monticello.....	Nuclear	Northern States Power Co - Minnesota	554
5. Lakefield Junction .....	Gas	Great River Energy	517
6. Allen S King .....	Coal	Northern States Power Co - Minnesota	510
7. High Bridge .....	Gas	Northern States Power Co - Minnesota	488
8. Black Dog .....	Coal	Northern States Power Co - Minnesota	484
9. Riverside.....	Gas	Northern States Power Co - Minnesota	473
10. Blue Lake.....	Gas	Northern States Power Co - Minnesota	467

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, 2010**  
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
1. Northern States Power Co - Minnesota.....	Investor-Owned	31,662,299	8,947,776	13,638,768	9,053,960	21,795
2. Minnesota Power Inc.....	Investor-Owned	8,720,911	1,057,476	1,299,355	6,364,080	-
3. Otter Tail Power Co.....	Investor-Owned	2,085,395	566,573	1,020,138	498,684	-
4. Connexus Energy.....	Cooperative	1,961,569	1,169,218	714,619	77,732	-
5. Dakota Electric Association.....	Cooperative	1,872,949	950,234	54,146	868,569	-
Total Sales, Top Five Providers.....		46,303,123	12,691,277	16,727,026	16,863,025	21,795
Percent of Total State Sales.....		68	56	74	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, 2000 and 2004 Through 2010**  
(Megawatts)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Minnesota</b>										
<b>Electric Utilities.....</b>	<b>9,067</b>	<b>10,179</b>	<b>10,543</b>	<b>10,458</b>	<b>10,719</b>	<b>11,432</b>	<b>11,639</b>	<b>11,547</b>	<b>88.4</b>	<b>78.5</b>
Coal.....	5,613	5,260	5,087	5,083	5,048	5,077	4,667	4,630	54.7	31.5
Petroleum.....	1,019	699	711	718	728	746	759	748	9.9	5.1
Natural Gas.....	475	2,336	2,852	2,719	2,974	3,528	4,118	3,929	4.6	26.7
Nuclear.....	1,646	1,613	1,617	1,668	1,668	1,668	1,668	1,594	16.1	10.8
Hydroelectric.....	136	133	133	132	133	133	133	133	1.3	0.9
Other Renewables <sup>1</sup> .....	178	138	143	137	167	281	294	513	1.7	3.5
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>1,187</b>	<b>1,372</b>	<b>1,562</b>	<b>2,194</b>	<b>2,171</b>	<b>2,805</b>	<b>2,987</b>	<b>3,168</b>	<b>11.6</b>	<b>21.5</b>
Coal.....	354	361	358	361	159	159	159	159	3.5	1.1
Petroleum.....	26	27	28	28	36	36	42	46	0.3	0.3
Natural Gas.....	308	305	305	805	605	1,003	1,007	1,008	3.0	6.8
Hydroelectric.....	64	43	43	43	43	61	61	61	0.6	0.4
Other Renewables <sup>1</sup> .....	435	626	817	946	1,315	1,534	1,705	1,881	4.2	12.8
Other <sup>2</sup> .....	-	11	11	11	13	13	13	13	-	0.1
<b>Total Electric Industry.....</b>	<b>10,255</b>	<b>11,551</b>	<b>12,105</b>	<b>12,651</b>	<b>12,890</b>	<b>14,237</b>	<b>14,626</b>	<b>14,715</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	5,967	5,621	5,446	5,444	5,207	5,235	4,826	4,789	58.2	32.5
Petroleum.....	1,045	726	739	746	764	782	801	795	10.2	5.4
Natural Gas.....	783	2,641	3,157	3,524	3,579	4,531	5,126	4,936	7.6	33.5
Nuclear.....	1,646	1,613	1,617	1,668	1,668	1,668	1,668	1,594	16.1	10.8
Hydroelectric.....	200	176	176	175	176	194	194	193	1.9	1.3
Other Renewables <sup>1</sup> .....	614	763	960	1,083	1,483	1,815	1,999	2,395	6.0	16.3
Other <sup>2</sup> .....	-	11	11	11	13	13	13	13	-	0.1

<sup>1</sup> Other Renewables includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>2</sup> Other includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

- (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, 2000 and 2004 Through 2010**  
(Megawatthours)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Minnesota</b>										
<b>Electric Utilities.....</b>	<b>46,615,673</b>	<b>47,232,462</b>	<b>46,791,349</b>	<b>46,710,674</b>	<b>47,793,039</b>	<b>46,758,314</b>	<b>44,442,211</b>	<b>45,428,599</b>	<b>90.7</b>	<b>84.6</b>
Coal.....	31,731,081	31,477,117	30,514,512	30,600,302	31,199,099	30,771,207	28,582,304	27,176,478	61.7	50.6
Petroleum.....	440,264	752,362	752,774	484,235	362,765	211,633	49,502	25,870	0.9	*
Natural Gas.....	433,177	923,557	1,706,322	1,629,343	2,143,250	1,723,799	2,046,949	3,235,036	0.8	6.0
Other Gases <sup>1</sup> .....	-	-	-	-	25,844	26,520	24,112	-	-	-
Nuclear.....	12,959,976	13,295,502	12,835,219	13,183,418	13,103,000	12,996,838	12,393,425	13,478,046	25.2	25.1
Hydroelectric.....	635,541	549,598	574,680	426,960	504,387	554,068	529,995	534,259	1.2	1.0
Other Renewables <sup>2</sup> .....	415,634	137,351	237,425	231,429	291,311	321,604	683,189	866,936	0.8	1.6
Other <sup>3</sup> .....	-	96,975	170,417	154,987	163,383	152,645	132,735	111,974	-	0.2
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>4,807,666</b>	<b>5,131,665</b>	<b>6,227,645</b>	<b>6,527,115</b>	<b>6,684,608</b>	<b>8,005,046</b>	<b>8,049,638</b>	<b>8,241,628</b>	<b>9.3</b>	<b>15.4</b>
Coal.....	2,017,007	2,523,091	2,435,333	2,470,149	991,273	984,046	744,922	906,072	3.9	1.7
Petroleum.....	34,513	31,088	23,535	9,953	41,834	19,984	15,757	5,186	0.1	*
Natural Gas.....	831,844	534,027	1,000,944	931,454	1,699,226	1,142,047	799,534	1,105,811	1.6	2.1
Hydroelectric.....	295,842	188,713	200,049	144,770	149,435	172,993	279,093	306,151	0.6	0.6
Other Renewables <sup>2</sup> .....	1,628,460	1,659,699	2,414,683	2,827,455	3,641,327	5,529,278	6,053,468	5,772,697	3.2	10.8
Other <sup>3</sup> .....	-	195,047	153,101	143,334	161,512	156,697	156,864	145,711	-	0.3
<b>Total Electric Industry.....</b>	<b>51,423,339</b>	<b>52,364,127</b>	<b>53,018,995</b>	<b>53,237,789</b>	<b>54,477,646</b>	<b>54,763,360</b>	<b>52,491,849</b>	<b>53,670,227</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	33,748,088	34,000,208	32,949,845	33,070,451	32,190,373	31,755,253	29,327,226	28,082,550	65.6	52.3
Petroleum.....	474,777	783,450	776,309	494,188	404,599	231,617	65,259	31,056	0.9	0.1
Natural Gas.....	1,265,021	1,457,584	2,707,267	2,560,797	3,842,477	2,865,846	2,846,483	4,340,847	2.5	8.1
Other Gases <sup>1</sup> .....	-	-	-	-	25,844	26,520	24,112	-	-	-
Nuclear.....	12,959,976	13,295,502	12,835,219	13,183,418	13,103,000	12,996,838	12,393,425	13,478,046	25.2	25.1
Hydroelectric.....	931,383	738,311	774,729	571,730	653,822	727,061	809,088	840,410	1.8	1.6
Other Renewables <sup>2</sup> .....	2,044,094	1,797,050	2,652,108	3,058,884	3,932,638	5,850,883	6,736,657	6,639,633	4.0	12.4
Other <sup>3</sup> .....	-	292,021	323,518	298,320	324,895	309,342	289,599	257,686	-	0.5

<sup>1</sup> Other gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

<sup>2</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>3</sup> Other includes non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

\* = 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.

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

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, 2000 and 2004 Through 2010**

Fuel, Quality	2000	2004	2005	2006	2007	2008	2009	2010
<b>Minnesota</b>								
Coal (cents per million Btu) .....	111	W	W	W	W	169	164	174
Average heat value (Btu per pound).....	8,929	8,914	8,909	8,911	8,853	8,902	8,878	8,812
Average sulfur Content (percent).....	0.43	0.44	0.44	0.44	0.45	0.46	0.46	0.43
Petroleum (cents per million Btu) <sup>1</sup> .....	54	W	W	W	444	W	1,210	1,568
Average heat value (Btu per gallon).....	72,531	134,967	133,848	134,976	132,929	136,357	139,955	140,595
Average sulfur Content (percent).....	5.18	5.38	5.45	5.99	4.84	3.54	0.30	0.24
Natural Gas (cents per million Btu).....	449	W	W	W	W	891	598	569
Average heat value (Btu per cubic foot).....	1,011	1,008	1,012	1,008	1,018	1,015	1,011	1,012

<sup>1</sup> 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, 2000 and 2004 Through 2010 (Thousand Metric Tons)**

Emission Type	2000	2004	2005	2006	2007	2008	2009	2010
<b>Minnesota</b>								
<b>Sulfur Dioxide .....</b>								
Coal.....	93	86	82	80	78	76	60	52
Petroleum.....	15	17	15	10	7	6	*	*
Natural Gas.....	*	*	*	*	*	*	*	*
Other Renewables <sup>1</sup> .....	4	4	4	4	4	4	4	4
Other <sup>2</sup> .....	1	*	*	*	*	*	*	*
Total.....	112	108	101	94	89	86	65	57
<b>Nitrogen Oxide .....</b>								
Coal.....	83	83	76	76	74	61	41	35
Petroleum.....	2	3	2	2	2	1	*	*
Natural Gas.....	4	2	3	3	3	2	2	2
Other Gases.....	-	-	-	-	1	1	1	-
Other Renewables <sup>1</sup> .....	3	2	2	2	2	2	4	5
Other <sup>2</sup> .....	2	2	2	2	2	2	2	1
Total.....	94	92	86	85	84	69	49	44
<b>Carbon Dioxide .....</b>								
Coal.....	35,765	36,629	36,409	35,516	35,180	34,403	31,567	30,224
Petroleum.....	762	834	806	550	420	268	71	43
Natural Gas.....	1,167	1,127	1,796	1,646	2,205	1,626	1,570	2,236
Other Renewables <sup>1</sup> .....	-	-	-	-	-	-	-	236
Other <sup>2</sup> .....	166	364	505	472	516	524	482	207
Total.....	37,860	38,954	39,516	38,183	38,321	36,821	33,689	32,946

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, and other biomass.

<sup>2</sup> Other includes non-biogenic municipal solid waste, tire-derived fuels, and miscellaneous technologies.

\* = 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.

Note: CO2 emissions for the historical years 1998 - 2008 have been revised due to changes in emission factors.

Sources: Calculations made by the Electric Power Systems and Reliability Team; Office of Electricity, Renewables, and Uranium Statistics; U. S. Energy Information Administration.

**Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 2000 and 2004 Through 2010**

Sector	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Minnesota</b>										
<b>Retail Sales (thousand megawatthours) .....</b>										
Residential .....	18,629	20,507	21,743	21,909	22,646	22,355	22,034	22,465	31.2	33.1
Commercial .....	11,580	20,407	21,985	22,175	22,523	22,604	22,311	22,515	19.4	33.2
Industrial .....	28,842	22,415	22,266	22,664	23,041	23,810	19,637	22,798	48.2	33.6
Other .....	730	NA	NA	NA	NA	NA	NA	NA	1.2	--
Transportation.....	NA	11	25	21	21	22	22	22	--	*
All Sectors .....	59,782	63,340	66,019	66,770	68,231	68,792	64,004	67,800	100.0	100.0
<b>Retail Revenue (million dollars).....</b>										
Residential .....	1,400	1,624	1,799	1,905	2,078	2,176	2,212	2,379	39.9	41.7
Commercial .....	736	1,287	1,448	1,556	1,684	1,781	1,766	1,887	21.0	33.1
Industrial .....	1,319	1,038	1,118	1,198	1,311	1,399	1,229	1,433	37.6	25.1
Other .....	56	NA	NA	NA	NA	NA	NA	NA	1.6	--
Transportation.....	NA	1	2	2	2	2	2	2	--	*
All Sectors .....	3,511	3,950	4,366	4,662	5,075	5,358	5,209	5,701	100.0	100.0
<b>Average Retail Prices (cents/kWh) .....</b>										
Residential .....	7.52	7.92	8.28	8.70	9.18	9.74	10.04	10.59	--	--
Commercial .....	6.36	6.31	6.59	7.02	7.48	7.88	7.92	8.38	--	--
Industrial .....	4.57	4.63	5.02	5.29	5.69	5.87	6.26	6.29	--	--
Other .....	7.60	NA	NA	NA	NA	NA	NA	NA	--	--
Transportation.....	NA	6.75	6.21	7.95	8.27	8.04	7.73	7.77	--	--
All Sectors .....	5.87	6.24	6.61	6.98	7.44	7.79	8.14	8.41	--	--

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, 2010**

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
<b>Minnesota</b>								
Number of Entities.....	5	124	1	46	3	NA	NA	179
Number of Retail Customers .....	1,469,341	361,955	4	755,602	3	NA	NA	2,586,905
Retail Sales (thousand megawatthours).....	43,321	9,562	57	14,095	765	NA	NA	67,800
Percentage of Retail Sales .....	63.90	14.10	0.08	20.79	1.13	--	--	100.00
Revenue from Retail Sales (million dollars) .....	3,447	837	2	1,376	40	NA	NA	5,701
Percentage of Revenue .....	60.46	14.68	0.03	24.14	0.70	--	--	100.00
Average Retail Price (cents/kWh).....	7.96	8.75	3.06	9.76	5.20	NA	NA	8.41

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Data are shown for All Sectors. Full Service Providers sell bundled electricity services (e.g., both energy and delivery) to end users. Full Service Providers may purchase electricity from others (such as independent Power Producers or other full service providers) prior to delivery. Other Providers sell either the energy or the delivery services, but not both. Sales volumes and customer counts shown for Other Providers refer to delivered electricity, which is a joint activity of both energy and delivery providers; for clarity, they are reported only in the Energy column in this table. The revenue shown under Other Providers represents the revenue realized from the sale of the energy and the delivery services distinctly. "Public" entities include municipalities, State power agencies, and municipal marketing authorities. Federal entities are either owned or financed by the Federal Government. "Cooperatives" are electric utilities legally established to be owned by and operated for the benefit of those using its services. The cooperative will generate, transmit and/or distribute supplies of electric energy to a specified area not being serviced by another utility. "Non-utility" sales represent direct electricity transactions from independent generators to end use consumers. Totals may not equal sum of components because of independent rounding.

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

**Table 10. Supply and Disposition of Electricity, 2000 and 2004 Through 2010**  
(Million Kilowatthours)

Category	2000	2004	2005	2006	2007	2008	2009	2010
<b>Minnesota</b>								
<b>Supply</b> .....								
<b>Generation</b> .....								
Electric Utilities .....	46,616	47,232	46,791	46,711	47,793	46,758	44,442	45,429
Independent Power Producers .....	1,067	2,792	3,332	4,136	3,774	5,472	5,851	5,909
Combined Heat and Power, Electric .....	605	309	938	639	1,143	784	628	560
<b>Electric Power Sector Generation Subtotal</b> .....	<b>48,288</b>	<b>50,333</b>	<b>51,062</b>	<b>51,485</b>	<b>52,710</b>	<b>53,014</b>	<b>50,921</b>	<b>51,898</b>
Combined Heat and Power, Commercial .....	127	107	108	104	97	98	130	143
Combined Heat and Power, Industrial.....	3,008	1,924	1,849	1,649	1,670	1,651	1,441	1,630
<b>Industrial and Commercial Generation Subtotal</b> .....	<b>3,135</b>	<b>2,031</b>	<b>1,957</b>	<b>1,753</b>	<b>1,767</b>	<b>1,749</b>	<b>1,571</b>	<b>1,772</b>
<b>Total Net Generation</b> .....	<b>51,423</b>	<b>52,364</b>	<b>53,019</b>	<b>53,238</b>	<b>54,478</b>	<b>54,763</b>	<b>52,492</b>	<b>53,670</b>
<b>Total International Imports</b> .....	<b>8,517</b>	<b>6,152</b>	<b>10,140</b>	<b>11,216</b>	<b>10,150</b>	<b>8,778</b>	<b>8,287</b>	<b>7,783</b>
<b>Total Supply</b> .....	<b>59,940</b>	<b>58,516</b>	<b>63,159</b>	<b>64,454</b>	<b>64,628</b>	<b>63,541</b>	<b>60,779</b>	<b>61,453</b>
<b>Disposition</b> .....								
<b>Retail Sales</b> .....								
Full Service Providers .....	59,782	63,340	66,019	66,770	68,225	68,152	63,398	67,035
Facility Direct Retail Sales <sup>1</sup> .....	-	-	-	-	6	639	606	765
<b>Total Electric Industry Retail Sales</b> .....	<b>59,782</b>	<b>63,340</b>	<b>66,019</b>	<b>66,770</b>	<b>68,231</b>	<b>68,792</b>	<b>64,004</b>	<b>67,800</b>
<b>Direct Use</b> .....	<b>3,001</b>	<b>2,931</b>	<b>1,467</b>	<b>1,666</b>	<b>1,036</b>	<b>1,025</b>	<b>1,086</b>	<b>1,072</b>
<b>Total International Exports</b> .....	<b>625</b>	<b>3,542</b>	<b>2,328</b>	<b>3,291</b>	<b>3,289</b>	<b>1,010</b>	<b>495</b>	<b>676</b>
<b>Estimated Losses</b> .....	<b>4,255</b>	<b>5,376</b>	<b>5,049</b>	<b>4,966</b>	<b>4,567</b>	<b>4,553</b>	<b>5,805</b>	<b>4,573</b>
<b>Net Interstate Trade</b> <sup>2</sup> .....	<b>-7,723</b>	<b>-16,673</b>	<b>-11,704<sup>R</sup></b>	<b>-12,239</b>	<b>-12,495</b>	<b>-11,838</b>	<b>-10,611</b>	<b>-12,669</b>
<b>Total Disposition</b> .....	<b>59,940</b>	<b>58,516</b>	<b>63,159</b>	<b>64,454</b>	<b>64,628</b>	<b>63,541</b>	<b>60,779</b>	<b>61,453</b>
<b>Net Trade Index (ratio)</b> <sup>3</sup> .....	<b>0.89</b>	<b>0.78</b>	<b>0.84</b>	<b>0.84</b>	<b>0.84</b>	<b>0.84</b>	<b>0.85</b>	<b>0.83</b>

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

<sup>2</sup> Net Interstate Trade = Total Supply - (Total Electric Industry Retail Sales + Direct Use + Total International Exports (if applies) + Estimated Losses).

<sup>3</sup> Net Trade Index is the sum of Total Supply / (Total Disposition - Net Interstate Trade).

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. Beginning with publication year 2010, Total disposition has been reorganized to include Net Interstate Trade. Therefore, Total Disposition equals Total Supply.

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. 2010 Summary Statistics**

Item	Value	U.S. Rank
<b>Mississippi</b>		
NERC Region(s).....		SERC
Primary Energy Source.....		Gas
Net Summer Capacity (megawatts) .....	15,691	26
Electric Utilities.....	10,858	26
Independent Power Producers & Combined Heat and Power.....	4,833	18
Net Generation (megawatthours).....	54,487,260	28
Electric Utilities.....	40,841,436	27
Independent Power Producers & Combined Heat and Power.....	13,645,824	28
Emissions (thousand metric tons) .....		
Sulfur Dioxide .....	59	26
Nitrogen Oxide .....	31	32
Carbon Dioxide.....	26,845	32
Sulfur Dioxide (lbs/MWh) .....	2.4	26
Nitrogen Oxide (lbs/MWh) .....	1.2	30
Carbon Dioxide (lbs/MWh).....	1,086	36
Total Retail Sales (megawatthours) .....	49,687,166	28
Full Service Provider Sales (megawatthours) .....	49,687,166	26
Direct Use (megawatthours) .....	1,797,858	20
Average Retail Price (cents/kWh).....	8.59	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, 2010**

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
<b>Mississippi</b>			
1. Victor J Daniel Jr.....	Gas	Mississippi Power Co	1,992
2. Grand Gulf.....	Nuclear	System Energy Resources, Inc	1,251
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	774
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, 2010**  
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
1. Entergy Mississippi Inc .....	Investor-Owned	13,743,349	6,077,325	5,415,574	2,250,450	-
2. Mississippi Power Co .....	Investor-Owned	9,723,230	2,296,158	2,960,512	4,466,560	-
3. Tennessee Valley Authority .....	Federal	3,886,876	-	-	3,886,876	-
4. Southern Pine Elec Power Assn .....	Cooperative	2,128,184	976,549	334,932	816,703	-
5. Coast Electric Power Assn .....	Cooperative	1,754,673	1,175,287	355,609	223,777	-
Total Sales, Top Five Providers .....		31,236,312	10,525,319	9,066,627	11,644,366	-
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, 2000 and 2004 Through 2010**  
(Megawatts)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Electric Utilities.....</b>	<b>7,057</b>	<b>9,015</b>	<b>8,904</b>	<b>9,407</b>	<b>9,377</b>	<b>10,093</b>	<b>10,081</b>	<b>10,858</b>	<b>78.3</b>	<b>69.2</b>
Coal.....	2,208	2,220	2,123	2,108	2,102	2,115	2,115	2,086	24.5	13.3
Petroleum.....	60	32	34	36	36	36	35	35	0.7	0.2
Natural Gas.....	3,579	5,493	5,481	5,997	5,971	6,683	6,680	7,486	39.7	47.7
Nuclear.....	1,210	1,270	1,266	1,266	1,268	1,259	1,251	1,251	13.4	8.0
<b>Independent Power Producers and Combined Heat and Power .....</b>	<b>1,958</b>	<b>8,004</b>	<b>7,980</b>	<b>7,212</b>	<b>6,826</b>	<b>5,848</b>	<b>5,738</b>	<b>4,833</b>	<b>21.7</b>	<b>30.8</b>
Coal.....	-	440	440	440	440	440	440	440	-	2.8
Petroleum.....	6	-	-	-	-	-	-	-	0.1	-
Natural Gas.....	1,690	7,331	7,307	6,539	6,153	5,175	5,065	4,153	18.7	26.5
Other Gases <sup>1</sup> .....	-	4	4	4	4	4	4	4	-	*
Other Renewables <sup>2</sup> .....	263	229	229	229	229	229	229	235	2.9	1.5
<b>Total Electric Industry.....</b>	<b>9,015</b>	<b>17,019</b>	<b>16,885</b>	<b>16,620</b>	<b>16,204</b>	<b>15,942</b>	<b>15,820</b>	<b>15,691</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	2,208	2,660	2,563	2,548	2,542	2,555	2,555	2,526	24.5	16.1
Petroleum.....	66	32	34	36	36	36	35	35	0.7	0.2
Natural Gas.....	5,269	12,824	12,789	12,537	12,125	11,859	11,746	11,640	58.4	74.2
Other Gases <sup>1</sup> .....	-	4	4	4	4	4	4	4	-	*
Nuclear.....	1,210	1,270	1,266	1,266	1,268	1,259	1,251	1,251	13.4	8.0
Other Renewables <sup>2</sup> .....	263	229	229	229	229	229	229	235	2.9	1.5

<sup>1</sup> Other gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

<sup>2</sup> Other Renewables includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

\* = 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, 2000 and 2004 Through 2010**  
(Megawatthours)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Mississippi</b>										
<b>Electric Utilities.....</b>	<b>33,896,003</b>	<b>32,838,145</b>	<b>30,619,168</b>	<b>34,158,706</b>	<b>34,426,533</b>	<b>33,796,221</b>	<b>34,759,024</b>	<b>40,841,436</b>	<b>90.1</b>	<b>75.0</b>
Coal.....	13,877,065	14,274,786	13,389,906	14,907,777	14,422,788	14,033,627	9,610,808	10,309,709	36.9	18.9
Petroleum.....	2,970,676	2,763,630	1,432,077	395,330	397,080	71,597	12,475	76,832	7.9	0.1
Natural Gas.....	6,353,707	5,566,963	5,719,339	8,437,013	10,247,881	10,294,163	14,137,226	20,811,624	16.9	38.2
Nuclear.....	10,694,555	10,232,766	10,077,846	10,418,586	9,358,784	9,396,790	10,998,515	9,643,241	28.4	17.7
Other Renewables <sup>1</sup> .....	-	-	-	-	-	44	-	30	-	*
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>3,718,560</b>	<b>10,824,468</b>	<b>14,448,285</b>	<b>12,070,141</b>	<b>15,617,153</b>	<b>14,409,490</b>	<b>13,942,460</b>	<b>13,645,824</b>	<b>9.9</b>	<b>25.0</b>
Coal.....	-	3,202,902	3,245,978	3,197,556	2,984,537	2,649,775	3,346,854	3,319,288	-	6.1
Petroleum.....	10,854	13,227	12,771	3,379	2,290	4,684	4,126	4,668	*	*
Natural Gas.....	2,027,402	6,051,604	9,640,727	7,268,836	11,087,292	10,313,264	9,130,073	8,807,298	5.4	16.2
Other Gases <sup>2</sup> .....	-	40,748	20,166	43,723	42,325	40,445	24,735	1,635	-	*
Other Renewables <sup>1</sup> .....	1,680,304	1,514,446	1,521,697	1,541,082	1,493,365	1,391,281	1,424,279	1,504,240	4.5	2.8
Other <sup>3</sup> .....	-	1,541	6,947	15,566	7,344	10,040	12,393	8,696	-	*
<b>Total Electric Industry.....</b>	<b>37,614,563</b>	<b>43,662,613</b>	<b>45,067,453</b>	<b>46,228,847</b>	<b>50,043,686</b>	<b>48,205,711</b>	<b>48,701,484</b>	<b>54,487,260</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	13,877,065	17,477,688	16,635,884	18,105,333	17,407,325	16,683,402	12,957,662	13,628,997	36.9	25.0
Petroleum.....	2,981,530	2,776,857	1,444,848	398,709	399,370	76,281	16,601	81,500	7.9	0.1
Natural Gas.....	8,381,109	11,618,567	15,360,066	15,705,849	21,335,173	20,607,427	23,267,299	29,618,922	22.3	54.4
Other Gases <sup>2</sup> .....	-	40,748	20,166	43,723	42,325	40,445	24,735	1,635	-	*
Nuclear.....	10,694,555	10,232,766	10,077,846	10,418,586	9,358,784	9,396,790	10,998,515	9,643,241	28.4	17.7
Other Renewables <sup>1</sup> .....	1,680,304	1,514,446	1,521,697	1,541,082	1,493,365	1,391,326	1,424,279	1,504,270	4.5	2.8
Other <sup>3</sup> .....	-	1,541	6,947	15,566	7,344	10,040	12,393	8,696	-	*

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>2</sup> Other gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

<sup>3</sup> Other includes non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

\* = 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.

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

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, 2000 and 2004 Through 2010**

Fuel, Quality	2000	2004	2005	2006	2007	2008	2009	2010
<b>Mississippi</b>								
Coal (cents per million Btu) .....	152	W	W	W	W	W	W	289
Average heat value (Btu per pound).....	11,549	9,087	8,993	8,961	9,290	9,276	8,541	8,519
Average sulfur Content (percent) .....	0.85	0.57	0.57	0.60	0.59	0.55	0.53	0.69
Petroleum (cents per million Btu) <sup>1</sup> .....	333	465	651	830	W	W	W	1,076
Average heat value (Btu per gallon).....	155,569	155,638	155,064	155,619	154,738	149,826	142,902	151,357
Average sulfur Content (percent) .....	2.77	2.83	2.86	2.83	2.81	2.09	0.88	2.29
Natural Gas (cents per million Btu).....	390	594	911	695	720	942	428	480
Average heat value (Btu per cubic foot).....	1,028	1,033	1,034	1,036	1,032	1,020	1,018	1,013

<sup>1</sup> 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, 2000 and 2004 Through 2010 (Thousand Metric Tons)**

Emission Type	2000	2004	2005	2006	2007	2008	2009	2010
<b>Mississippi</b>								
<b>Sulfur Dioxide .....</b>								
Coal.....	80	62	60	69	62	60	36	49
Petroleum.....	38	16	8	3	2	*	*	*
Natural Gas.....	*	*	*	*	*	*	*	*
Other Gases.....	-	*	-	*	-	-	-	-
Other Renewables <sup>1</sup> .....	13	11	11	10	11	9	8	9
Other <sup>2</sup> .....	*	*	*	*	*	*	*	*
Total.....	131	90	79	82	75	69	45	59
<b>Nitrogen Oxide .....</b>								
Coal.....	32	30	28	34	34	29	16	16
Petroleum.....	22	10	5	3	4	*	*	*
Natural Gas.....	6	5	7	5	7	10	9	12
Other Gases.....	-	*	*	*	*	*	*	*
Other Renewables <sup>1</sup> .....	5	3	4	3	4	3	2	3
Other <sup>2</sup> .....	*	*	*	*	*	*	*	*
Total.....	64	50	44	45	49	42	27	31
<b>Carbon Dioxide .....</b>								
Coal.....	13,453	17,081	16,352	17,569	17,084	16,449	13,228	13,813
Petroleum.....	2,390	2,270	1,265	344	357	81	25	77
Natural Gas.....	6,687	6,232	7,732	8,096	10,523	9,362	10,180	12,914
Other Gases.....	-	2	3	3	10	9	6	3
Other <sup>2</sup> .....	1	7	21	23	31	19	41	38
Total.....	22,531	25,591	25,373	26,035	28,005	25,920	23,481	26,845

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, and other biomass.

<sup>2</sup> Other includes non-biogenic municipal solid waste, tire-derived fuels, and miscellaneous technologies.

\* = 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.

Note: CO2 emissions for the historical years 1998 - 2008 have been revised due to changes in emission factors.

Sources: Calculations made by the Electric Power Systems and Reliability Team; Office of Electricity, Renewables, and Uranium Statistics; U. S. Energy Information Administration.

**Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 2000 and 2004 Through 2010**

Sector	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Mississippi</b>										
<b>Retail Sales (thousand megawatthours) .....</b>										
Residential .....	17,193	17,580	17,953	18,276	18,566	18,294	18,095	20,175	37.9	40.6
Commercial .....	11,451	12,750	12,666	12,949	13,400	13,233	13,013	13,805	25.3	27.8
Industrial .....	15,856	15,702	15,282	15,712	16,187	16,195	14,940	15,707	35.0	31.6
Other .....	836	NA	NA	NA	NA	NA	NA	NA	1.8	--
All Sectors .....	45,336	46,033	45,901	46,936	48,153	47,721	46,049	49,687	100.0	100.0
<b>Retail Revenue (million dollars) .....</b>										
Residential .....	1,191	1,444	1,564	1,765	1,737	1,902	1,850	1,992	44.9	46.6
Commercial .....	734	1,019	1,075	1,213	1,196	1,325	1,236	1,286	27.7	30.1
Industrial .....	657	759	821	934	931	1,062	988	993	24.8	23.3
Other .....	70	NA	NA	NA	NA	NA	NA	NA	2.6	--
All Sectors .....	2,652	3,221	3,460	3,912	3,864	4,289	4,074	4,271	100.0	100.0
<b>Average Retail Prices (cents/kWh) .....</b>										
Residential .....	6.93	8.21	8.71	9.66	9.36	10.39	10.22	9.87	--	--
Commercial .....	6.41	7.99	8.48	9.37	8.92	10.02	9.50	9.32	--	--
Industrial .....	4.14	4.83	5.37	5.94	5.75	6.56	6.61	6.32	--	--
Other .....	8.33	NA	NA	NA	NA	NA	NA	NA	--	--
All Sectors .....	5.85	7.00	7.54	8.33	8.03	8.99	8.85	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, 2010**

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
<b>Mississippi</b>								
Number of Entities .....	2	23	1	25	NA	NA	NA	51
Number of Retail Customers .....	623,149	134,283	8	724,023	NA	NA	NA	1,481,463
Retail Sales (thousand megawatthours) .....	23,467	4,078	3,887	18,256	NA	NA	NA	49,687
Percentage of Retail Sales .....	47.23	8.21	7.82	36.74	--	--	--	100.00
Revenue from Retail Sales (million dollars) .....	1,894	368	174	1,834	NA	NA	NA	4,271
Percentage of Revenue .....	44.36	8.62	4.08	42.94	--	--	--	100.00
Average Retail Price (cents/kWh) .....	8.07	9.03	4.48	10.04	NA	NA	NA	8.59

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Data are shown for All Sectors. Full Service Providers sell bundled electricity services (e.g., both energy and delivery) to end users. Full Service Providers may purchase electricity from others (such as independent Power Producers or other full service providers) prior to delivery. Other Providers sell either the energy or the delivery services, but not both. Sales volumes and customer counts shown for Other Providers refer to delivered electricity, which is a joint activity of both energy and delivery providers; for clarity, they are reported only in the Energy column in this table. The revenue shown under Other Providers represents the revenue realized from the sale of the energy and the delivery services distinctly. "Public" entities include municipalities, State power agencies, and municipal marketing authorities. Federal entities are either owned or financed by the Federal Government. "Cooperatives" are electric utilities legally established to be owned by and operated for the benefit of those using its services. The cooperative will generate, transmit and/or distribute supplies of electric energy to a specified area not being serviced by another utility. "Non-utility" sales represent direct electricity transactions from independent generators to end use consumers. Totals may not equal sum of components because of independent rounding.

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



**Table 10. Supply and Disposition of Electricity, 2000 and 2004 Through 2010**  
(Million Kilowatthours)

Category	2000	2004	2005	2006	2007	2008	2009	2010
<b>Mississippi</b>								
<b>Supply</b> .....								
<b>Generation</b> .....								
Electric Utilities .....	33,896	32,838	30,619	34,159	34,427	33,796	34,759	40,841
Independent Power Producers .....	1,404	9,060	12,704	10,182	13,718	12,653	12,129	11,779
<b>Electric Power Sector Generation Subtotal</b> .....	<b>35,300</b>	<b>41,898</b>	<b>43,323</b>	<b>44,341</b>	<b>48,144</b>	<b>46,449</b>	<b>46,888</b>	<b>52,620</b>
Combined Heat and Power, Commercial .....	26	25	19	7	12	12	24	22
Combined Heat and Power, Industrial.....	2,289	1,740	1,725	1,881	1,888	1,745	1,789	1,845
<b>Industrial and Commercial Generation Subtotal</b> .....	<b>2,315</b>	<b>1,764</b>	<b>1,745</b>	<b>1,888</b>	<b>1,899</b>	<b>1,757</b>	<b>1,813</b>	<b>1,867</b>
<b>Total Net Generation</b> .....	<b>37,615</b>	<b>43,663</b>	<b>45,067</b>	<b>46,229</b>	<b>50,044</b>	<b>48,206</b>	<b>48,701</b>	<b>54,487</b>
<b>Total Supply</b> .....	<b>37,615</b>	<b>43,663</b>	<b>45,067</b>	<b>46,229</b>	<b>50,044</b>	<b>48,206</b>	<b>48,701</b>	<b>54,487</b>
.....								
<b>Disposition</b> .....								
<b>Retail Sales</b> .....								
Full Service Providers .....	45,336	46,033	45,901	46,936	48,153	47,721	46,049	49,687
<b>Total Electric Industry Retail Sales</b> .....	<b>45,336</b>	<b>46,033</b>	<b>45,901</b>	<b>46,936</b>	<b>48,153</b>	<b>47,721</b>	<b>46,049</b>	<b>49,687</b>
<b>Direct Use</b> .....	<b>2,329</b>	<b>2,385</b>	<b>1,166</b>	<b>1,964</b>	<b>1,970</b>	<b>1,876</b>	<b>1,881</b>	<b>1,798</b>
<b>Estimated Losses</b> .....	<b>3,227</b>	<b>3,472</b>	<b>3,707</b>	<b>3,729</b>	<b>4,439</b>	<b>4,126</b>	<b>3,682</b>	<b>4,062</b>
<b>Net Interstate Trade</b> <sup>1</sup> .....	<b>-13,278</b>	<b>-8,227</b>	<b>-5,707</b>	<b>-6,401</b>	<b>-4,519</b>	<b>-5,518</b>	<b>-2,911</b>	<b>-1,060</b>
<b>Total Disposition</b> .....	<b>37,615</b>	<b>43,663</b>	<b>45,067</b>	<b>46,229</b>	<b>50,044</b>	<b>48,206</b>	<b>48,701</b>	<b>54,487</b>
<b>Net Trade Index (ratio)</b> <sup>2</sup> .....	<b>0.74</b>	<b>0.84</b>	<b>0.89</b>	<b>0.88</b>	<b>0.92</b>	<b>0.90</b>	<b>0.94</b>	<b>0.98</b>

<sup>1</sup> Net Interstate Trade = Total Supply - (Total Electric Industry Retail Sales + Direct Use + Total International Exports (if applies) + Estimated Losses).

<sup>2</sup> Net Trade Index is the sum of Total Supply / (Total Disposition - Net Interstate Trade).

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. Beginning with publication year 2010, Total disposition has been reorganized to include Net Interstate Trade. Therefore, Total Disposition equals Total Supply.

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. 2010 Summary Statistics**

Item	Value	U.S. Rank
<b>Missouri</b>		
NERC Region(s).....		SERC/SPP
Primary Energy Source.....		Coal
Net Summer Capacity (megawatts) .....	21,739	18
Electric Utilities.....	20,360	12
Independent Power Producers & Combined Heat and Power.....	1,378	39
Net Generation (megawatthours).....	92,312,989	18
Electric Utilities.....	90,176,805	12
Independent Power Producers & Combined Heat and Power.....	2,136,184	46
Emissions (thousand metric tons) .....		
Sulfur Dioxide .....	233	8
Nitrogen Oxide .....	56	18
Carbon Dioxide.....	78,815	10
Sulfur Dioxide (lbs/MWh) .....	5.6	6
Nitrogen Oxide (lbs/MWh) .....	1.3	26
Carbon Dioxide (lbs/MWh).....	1,882	7
Total Retail Sales (megawatthours) .....	86,085,117	17
Full Service Provider Sales (megawatthours) .....	86,085,117	15
Direct Use (megawatthours) .....	256,411	38
Average Retail Price (cents/kWh).....	7.78	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, 2010**

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
<b>Missouri</b>			
1. Labadie .....	Coal	Union Electric Co	2,407
2. Iatan .....	Coal	Kansas City Power & Light Co	1,555
3. Rush Island .....	Coal	Union Electric Co	1,204
4. Callaway .....	Nuclear	Union Electric Co	1,190
5. New Madrid .....	Coal	Associated Electric Coop, Inc	1,160
6. Thomas Hill .....	Coal	Associated Electric Coop, Inc	1,125
7. Sioux .....	Coal	Union Electric Co	986
8. Hawthorn .....	Coal	Kansas City Power & Light Co	979
9. Meramec .....	Coal	Union Electric Co	951
10. Aries Power Project.....	Gas	Dogwood Energy LLC	614

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, 2010**  
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
1. Union Electric Co.....	Investor-Owned	38,427,458	14,639,909	15,109,890	8,655,643	22,016
2. Kansas City Power & Light Co.....	Investor-Owned	8,877,996	2,735,066	4,548,499	1,594,431	-
3. KCP&L Greater Missouri Operations.....	Investor-Owned	8,339,054	3,739,794	3,268,464	1,330,796	-
4. Empire District Electric Co.....	Investor-Owned	4,270,777	1,838,281	1,616,859	815,637	-
5. City Utilities of Springfield.....	Public	3,153,731	1,105,643	1,580,756	467,332	-
Total Sales, Top Five Providers.....		63,069,016	24,058,693	26,124,468	12,863,839	22,016
Percent of Total State Sales.....		73	64	83	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, 2000 and 2004 Through 2010**  
(Megawatts)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Electric Utilities.....</b>	<b>17,180</b>	<b>18,606</b>	<b>18,970</b>	<b>19,675</b>	<b>19,570</b>	<b>19,621</b>	<b>19,600</b>	<b>20,360</b>	<b>99.4</b>	<b>93.7</b>
Coal.....	11,032	11,159	11,172	11,199	11,165	11,146	11,137	11,976	63.8	55.1
Petroleum.....	1,198	1,243	1,241	1,265	1,274	1,267	1,257	1,197	6.9	5.5
Natural Gas.....	2,607	3,853	4,158	4,809	4,728	4,790	4,790	4,771	15.1	21.9
Nuclear.....	1,143	1,137	1,190	1,190	1,190	1,190	1,190	1,190	6.6	5.5
Hydroelectric.....	543	556	552	552	552	566	564	564	3.1	2.6
Other Renewables <sup>1</sup> .....	-	-	-	3	3	5	5	5	-	*
Pumped Storage.....	657	657	657	657	657	657	657	657	3.8	3.0
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>105</b>	<b>1,557</b>	<b>1,562</b>	<b>924</b>	<b>988</b>	<b>1,085</b>	<b>1,228</b>	<b>1,378</b>	<b>0.6</b>	<b>6.3</b>
Coal.....	93	98	100	100	94	94	94	94	0.5	0.4
Petroleum.....	7	11	13	13	12	15	15	15	*	0.1
Natural Gas.....	5	1,449	1,449	811	825	814	808	808	*	3.7
Other Renewables <sup>1</sup> .....	-	-	-	-	57	163	311	461	-	2.1
<b>Total Electric Industry.....</b>	<b>17,285</b>	<b>20,163</b>	<b>20,533</b>	<b>20,599</b>	<b>20,558</b>	<b>20,706</b>	<b>20,829</b>	<b>21,739</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	11,125	11,257	11,273	11,299	11,259	11,240	11,231	12,070	64.4	55.5
Petroleum.....	1,205	1,254	1,254	1,279	1,287	1,282	1,272	1,212	7.0	5.6
Natural Gas.....	2,612	5,302	5,607	5,619	5,553	5,604	5,598	5,579	15.1	25.7
Nuclear.....	1,143	1,137	1,190	1,190	1,190	1,190	1,190	1,190	6.6	5.5
Hydroelectric.....	543	556	552	552	552	566	564	564	3.1	2.6
Other Renewables <sup>1</sup> .....	-	-	-	3	60	168	316	466	-	2.1
Pumped Storage.....	657	657	657	657	657	657	657	657	3.8	3.0

<sup>1</sup> Other Renewables includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

\* = 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, 2000 and 2004 Through 2010**  
(Megawatthours)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Missouri</b>										
<b>Electric Utilities.....</b>	<b>76,283,550</b>	<b>86,419,717</b>	<b>90,159,045</b>	<b>91,118,304</b>	<b>89,925,724</b>	<b>89,178,555</b>	<b>86,704,766</b>	<b>90,176,805</b>	<b>99.6</b>	<b>97.7</b>
Coal.....	62,624,807	74,711,159	77,123,580	77,113,165	74,745,712	73,246,599	71,401,581	74,829,029	81.8	81.1
Petroleum.....	247,622	195,098	168,258	59,958	59,611	56,620	87,081	124,866	0.3	0.1
Natural Gas.....	2,938,356	1,978,307	3,522,842	3,512,299	4,102,135	3,847,997	2,500,771	3,728,904	3.8	4.0
Other Gases <sup>1</sup> .....	-	2,400	2,383	5,091	3,400	2,587	6,532	6,990	-	*
Nuclear.....	9,991,845	7,830,693	8,030,577	10,116,660	9,371,955	9,378,629	10,247,116	8,996,033	13.0	9.7
Hydroelectric.....	599,920	1,479,914	1,159,326	199,214	1,204,326	2,046,773	1,816,693	1,539,347	0.8	1.7
Other Renewables <sup>2</sup> .....	73,095	192	-	15,291	22,064	33,603	54,371	36,576	0.1	*
Pumped Storage.....	-192,095	115,325	85,932	47,552	383,473	545,355	566,713	887,686	-0.3	1.0
Other <sup>3</sup> .....	-	106,630	66,147	49,074	33,048	20,393	23,908	27,375	-	*
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>310,389</b>	<b>1,213,193</b>	<b>669,185</b>	<b>568,039</b>	<b>1,227,357</b>	<b>1,850,241</b>	<b>1,649,506</b>	<b>2,136,184</b>	<b>0.4</b>	<b>2.3</b>
Coal.....	278,750	312,396	312,979	336,439	338,441	285,062	209,658	218,199	0.4	0.2
Petroleum.....	5,096	1,063	915	1,066	790	802	439	1,028	*	*
Natural Gas.....	16,785	886,545	343,104	217,128	877,244	1,348,140	915,460	960,963	*	1.0
Other Renewables <sup>2</sup> .....	9,758	9,442	8,598	8,680	7,245	212,422	520,434	951,022	*	1.0
Other <sup>3</sup> .....	-	3,747	3,590	4,726	3,637	3,815	3,515	4,972	-	*
<b>Total Electric Industry.....</b>	<b>76,593,939</b>	<b>87,632,910</b>	<b>90,828,230</b>	<b>91,686,343</b>	<b>91,153,081</b>	<b>91,028,795</b>	<b>88,354,272</b>	<b>92,312,989</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	62,903,557	75,023,555	77,436,559	77,449,604	75,084,154	73,531,660	71,611,240	75,047,229	82.1	81.3
Petroleum.....	252,718	196,161	169,173	61,024	60,401	57,421	87,519	125,894	0.3	0.1
Natural Gas.....	2,955,141	2,864,851	3,865,946	3,729,427	4,979,379	5,196,137	3,416,231	4,689,867	3.9	5.1
Other Gases <sup>1</sup> .....	-	2,400	2,383	5,091	3,400	2,587	6,532	6,990	-	*
Nuclear.....	9,991,845	7,830,693	8,030,577	10,116,660	9,371,955	9,378,629	10,247,116	8,996,033	13.0	9.7
Hydroelectric.....	599,920	1,479,914	1,159,326	199,214	1,204,326	2,046,773	1,816,693	1,539,347	0.8	1.7
Other Renewables <sup>2</sup> .....	82,853	9,634	8,598	23,971	29,309	246,026	574,805	987,597	0.1	1.1
Pumped Storage.....	-192,095	115,325	85,932	47,552	383,473	545,355	566,713	887,686	-0.3	1.0
Other <sup>3</sup> .....	-	110,377	69,737	53,800	36,685	24,208	27,423	32,347	-	*

<sup>1</sup> Other gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

<sup>2</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>3</sup> Other includes non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

\* = 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.

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

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, 2000 and 2004 Through 2010**

Fuel, Quality	2000	2004	2005	2006	2007	2008	2009	2010
<b>Missouri</b>								
Coal (cents per million Btu) .....	92	W	W	W	W	151	W	159
Average heat value (Btu per pound).....	8,913	8,838	8,854	8,808	8,825	8,837	8,802	8,801
Average sulfur Content (percent).....	0.30	0.38	0.37	0.36	0.38	0.38	0.38	0.36
Petroleum (cents per million Btu) <sup>1</sup> .....	263	279	1,236	1,457	1,713	W	W	1,607
Average heat value (Btu per gallon).....	94,214	139,288	137,693	137,188	137,476	137,340	137,948	137,655
Average sulfur Content (percent).....	2.49	3.02	0.24	0.24	0.23	0.80	1.20	0.18
Natural Gas (cents per million Btu).....	439	W	W	W	W	W	W	517
Average heat value (Btu per cubic foot).....	1,007	1,016	1,020	1,024	1,024	1,021	1,017	1,017

<sup>1</sup> 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, 2000 and 2004 Through 2010 (Thousand Metric Tons)**

Emission Type	2000	2004	2005	2006	2007	2008	2009	2010
<b>Missouri</b>								
<b>Sulfur Dioxide</b> .....								
Coal.....	194	265	266	253	251	253	234	232
Petroleum.....	18	3	7	6	6	*	1	*
Natural Gas.....	*	*	*	*	*	*	*	*
Other Renewables <sup>1</sup> .....	-	-	-	-	-	-	*	-
Other <sup>2</sup> .....	*	1	1	1	1	*	*	*
Total.....	212	270	273	260	258	253	236	233
<b>Nitrogen Oxide</b> .....								
Coal.....	143	114	113	105	97	81	50	54
Petroleum.....	3	*	1	*	*	*	*	*
Natural Gas.....	4	2	1	2	2	1	1	1
Other Gases.....	-	-	-	-	-	*	*	-
Other Renewables <sup>1</sup> .....	*	*	*	*	*	*	1	1
Other <sup>2</sup> .....	*	*	*	*	*	*	*	*
Total.....	149	117	115	108	100	83	52	56
<b>Carbon Dioxide</b> .....								
Coal.....	65,149	76,459	79,174	78,513	76,064	75,226	72,958	76,476
Petroleum.....	256	197	170	60	60	62	102	111
Natural Gas.....	1,658	1,351	1,747	1,790	2,244	2,329	1,618	2,183
Other Gases.....	-	1	1	2	2	2	4	5
Other <sup>2</sup> .....	5	103	71	55	40	31	33	40
Total.....	67,067	78,111	81,163	80,422	78,410	77,650	74,716	78,815

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, and other biomass.

<sup>2</sup> Other includes non-biogenic municipal solid waste, tire-derived fuels, and miscellaneous technologies.

\* = 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.

Note: CO2 emissions for the historical years 1998 - 2008 have been revised due to changes in emission factors.

Sources: Calculations made by the Electric Power Systems and Reliability Team; Office of Electricity, Renewables, and Uranium Statistics; U. S. Energy Information Administration.

**Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 2000 and 2004 Through 2010**

Sector	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Missouri</b>										
<b>Retail Sales (thousand megawatthours) .....</b>										
Residential .....	29,581	31,351	34,412	33,880	35,872	35,390	34,221	37,302	40.7	43.3
Commercial .....	25,875	28,391	29,640	29,800	31,126	31,118	30,394	31,431	35.6	36.5
Industrial .....	16,080	14,303	16,869	18,316	18,515	17,850	15,050	17,330	22.1	20.1
Other .....	1,106	NA	NA	NA	NA	NA	NA	NA	1.5	--
Transportation.....	NA	10	19	19	20	24	21	22	--	*
All Sectors .....	72,643	74,054	80,940	82,015	85,533	84,382	79,687	86,085	100.0	100.0
<b>Retail Revenue (million dollars).....</b>										
Residential .....	2,084	2,185	2,437	2,520	2,758	2,832	2,924	3,386	47.7	50.5
Commercial .....	1,508	1,648	1,756	1,811	1,973	2,057	2,115	2,358	34.5	35.2
Industrial .....	712	661	766	838	882	879	816	954	16.3	14.2
Other .....	67	NA	NA	NA	NA	NA	NA	NA	1.5	--
Transportation.....	NA	*	1	1	1	1	1	1	--	*
All Sectors .....	4,370	4,494	4,960	5,170	5,614	5,768	5,857	6,699	100.0	100.0
<b>Average Retail Prices (cents/kWh) .....</b>										
Residential .....	7.04	6.97	7.08	7.44	7.69	8.00	8.54	9.08	--	--
Commercial .....	5.83	5.80	5.92	6.08	6.34	6.61	6.96	7.50	--	--
Industrial .....	4.43	4.62	4.54	4.58	4.76	4.92	5.42	5.50	--	--
Other .....	6.02	NA	NA	NA	NA	NA	NA	NA	--	--
Transportation.....	NA	4.91	4.77	5.75	6.16	5.40	5.83	6.14	--	--
All Sectors .....	6.02	6.07	6.13	6.30	6.56	6.84	7.35	7.78	--	--

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, 2010**

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	

**Missouri**

Number of Entities.....	4	88	NA	42	NA	NA	NA	134
Number of Retail Customers .....	1,924,813	425,718	NA	725,133	NA	NA	NA	3,075,664
Retail Sales (thousand megawatthours).....	59,915	11,224	NA	14,945	NA	NA	NA	86,085
Percentage of Retail Sales .....	69.60	13.04	--	17.36	--	--	--	100.00
Revenue from Retail Sales (million dollars) .....	4,429	934	NA	1,336	NA	NA	NA	6,699
Percentage of Revenue .....	66.11	13.95	--	19.94	--	--	--	100.00
Average Retail Price (cents/kWh).....	7.39	8.32	NA	8.94	NA	NA	NA	7.78

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Data are shown for All Sectors. Full Service Providers sell bundled electricity services (e.g., both energy and delivery) to end users. Full Service Providers may purchase electricity from others (such as independent Power Producers or other full service providers) prior to delivery. Other Providers sell either the energy or the delivery services, but not both. Sales volumes and customer counts shown for Other Providers refer to delivered electricity, which is a joint activity of both energy and delivery providers; for clarity, they are reported only in the Energy column in this table. The revenue shown under Other Providers represents the revenue realized from the sale of the energy and the delivery services distinctly. "Public" entities include municipalities, State power agencies, and municipal marketing authorities. Federal entities are either owned or financed by the Federal Government. "Cooperatives" are electric utilities legally established to be owned by and operated for the benefit of those using its services. The cooperative will generate, transmit and/or distribute supplies of electric energy to a specified area not being serviced by another utility. "Non-utility" sales represent direct electricity transactions from independent generators to end use consumers. Totals may not equal sum of components because of independent rounding.

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

**Table 10. Supply and Disposition of Electricity, 2000 and 2004 Through 2010**  
(Million Kilowatthours)

Category	2000	2004	2005	2006	2007	2008	2009	2010
<b>Missouri</b>								
<b>Supply</b> .....								
<b>Generation</b> .....								
Electric Utilities .....	76,284	86,420	90,159	91,118	89,926	89,179	86,705	90,177
Independent Power Producers .....	-	828	319	165	820	1,423	1,383	1,843
Combined Heat and Power, Electric .....	-	46	5	30	45	127	41	55
<b>Electric Power Sector Generation Subtotal</b> .....	<b>76,284</b>	<b>87,294</b>	<b>90,483</b>	<b>91,313</b>	<b>90,791</b>	<b>90,728</b>	<b>88,129</b>	<b>92,074</b>
Combined Heat and Power, Commercial .....	145	155	163	201	194	151	104	125
Combined Heat and Power, Industrial .....	165	184	182	172	168	150	121	114
<b>Industrial and Commercial Generation Subtotal</b> .....	<b>310</b>	<b>339</b>	<b>345</b>	<b>373</b>	<b>362</b>	<b>301</b>	<b>225</b>	<b>239</b>
<b>Total Net Generation</b> .....	<b>76,594</b>	<b>87,633</b>	<b>90,828</b>	<b>91,686</b>	<b>91,153</b>	<b>91,029</b>	<b>88,354</b>	<b>92,313</b>
<b>Total International Imports</b> .....	-	-	12	3	1	209	669	4
<b>Total Supply</b> .....	<b>76,594</b>	<b>87,633</b>	<b>90,841</b>	<b>91,689</b>	<b>91,154</b>	<b>91,238</b>	<b>89,024</b>	<b>92,317</b>
<b>Disposition</b> .....								
<b>Retail Sales</b> .....								
Full Service Providers .....	72,643	74,035	80,921	81,996	85,513	84,275	79,667	86,085
Facility Direct Retail Sales <sup>1</sup> .....	-	20	20	20	20	107	19	-
<b>Total Electric Industry Retail Sales</b> .....	<b>72,643</b>	<b>74,054</b>	<b>80,940</b>	<b>82,015</b>	<b>85,533</b>	<b>84,382</b>	<b>79,687</b>	<b>86,085</b>
<b>Direct Use</b> .....	<b>309</b>	<b>305</b>	<b>293</b>	<b>160</b>	<b>139</b>	<b>311</b>	<b>246</b>	<b>256</b>
<b>Total International Exports</b> .....	-	6	2	*	*	15	11	2
<b>Estimated Losses</b> .....	<b>5,170</b>	<b>5,999</b>	<b>6,794</b>	<b>6,730</b>	<b>7,109</b>	<b>6,816</b>	<b>5,745</b>	<b>6,543</b>
<b>Net Interstate Trade</b> <sup>2</sup> .....	<b>-1,528</b>	<b>7,269<sup>R</sup></b>	<b>2,811</b>	<b>2,784</b>	<b>-1,627</b>	<b>-286</b>	<b>3,336</b>	<b>-570</b>
<b>Total Disposition</b> .....	<b>76,594</b>	<b>87,633</b>	<b>90,841</b>	<b>91,689</b>	<b>91,154</b>	<b>91,238</b>	<b>89,024</b>	<b>92,317</b>
<b>Net Trade Index (ratio)</b> <sup>3</sup> .....	<b>0.98</b>	<b>1.09</b>	<b>1.03</b>	<b>1.03</b>	<b>0.98</b>	<b>1.00</b>	<b>1.04</b>	<b>0.99</b>

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

<sup>2</sup> Net Interstate Trade = Total Supply - (Total Electric Industry Retail Sales + Direct Use + Total International Exports (if applies) + Estimated Losses).

<sup>3</sup> Net Trade Index is the sum of Total Supply / (Total Disposition - Net Interstate Trade).

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. Beginning with publication year 2010, Total disposition has been reorganized to include Net Interstate Trade. Therefore, Total Disposition equals Total Supply.

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. 2010 Summary Statistics**

Item	Value	U.S. Rank
<b>Montana</b>		
NERC Region(s).....		MRO/WECC
Primary Energy Source.....		Coal
Net Summer Capacity (megawatts) .....	5,866	41
Electric Utilities.....	2,340	38
Independent Power Producers & Combined Heat and Power.....	3,526	27
Net Generation (megawatthours).....	29,791,181	41
Electric Utilities.....	6,271,180	39
Independent Power Producers & Combined Heat and Power.....	23,520,001	14
Emissions (thousand metric tons) .....		
Sulfur Dioxide .....	22	35
Nitrogen Oxide.....	21	35
Carbon Dioxide.....	20,370	35
Sulfur Dioxide (lbs/MWh) .....	1.6	35
Nitrogen Oxide (lbs/MWh) .....	1.6	22
Carbon Dioxide (lbs/MWh).....	1,507	18
Total Retail Sales (megawatthours).....	13,423,138	41
Full Service Provider Sales (megawatthours) .....	10,803,422	43
Energy-Only Provider Sales (megawatthours).....	2,619,716	15
Direct Use (megawatthours) .....	70,512	43
Average Retail Price (cents/kWh).....	7.88	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, 2010**

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
<b>Montana</b>			
1. Colstrip .....	Coal	PPL Montana LLC	2,094
2. Noxon Rapids.....	Hydroelectric	Avista Corp	568
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	200
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, 2010**  
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
1. NorthWestern Corporation .....	Investor-Owned	5,725,610	2,321,623	3,033,983	370,004	-
2. PPL EnergyPlus LLC .....	Other Provider	2,058,434	-	-	2,058,434	-
3. Flathead Electric Coop Inc .....	Cooperative	1,308,075	681,884	421,098	205,093	-
4. Montana-Dakota Utilities Co .....	Investor-Owned	718,998	175,380	234,677	308,941	-
5. ConocoPhillips Company .....	Other Provider	420,368	-	-	420,368	-
Total Sales, Top Five Providers .....		10,231,485	3,178,887	3,689,758	3,362,840	-
Percent of Total State Sales .....		76	67	77	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, 2000 and 2004 Through 2010**  
(Megawatts)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Electric Utilities.....</b>	<b>3,005</b>	<b>2,189</b>	<b>2,186</b>	<b>2,163</b>	<b>2,179</b>	<b>2,190</b>	<b>2,232</b>	<b>2,340</b>	<b>58.2</b>	<b>39.9</b>
Coal.....	792	52	52	52	52	52	52	52	15.4	0.9
Petroleum.....	5	-	2	2	2	2	2	2	0.1	*
Natural Gas .....	58	98	100	100	100	100	102	186	1.1	3.2
Hydroelectric .....	2,150	2,040	2,032	2,009	2,025	2,030	2,056	2,070	41.7	35.3
Other Renewables <sup>1</sup> .....	-	-	-	-	-	6	20	30	-	0.5
<b>Independent Power Producers and Combined Heat and Power .....</b>	<b>2,155</b>	<b>2,943</b>	<b>3,082</b>	<b>3,274</b>	<b>3,301</b>	<b>3,424</b>	<b>3,546</b>	<b>3,526</b>	<b>41.8</b>	<b>60.1</b>
Coal.....	1,501	2,283	2,287	2,408	2,406	2,390	2,390	2,390	29.1	40.7
Petroleum.....	60	55	55	55	57	55	55	52	1.2	0.9
Natural Gas .....	-	-	-	54	54	82	98	98	-	1.7
Other Gases <sup>2</sup> .....	-	-	-	-	-	2	2	2	-	*
Hydroelectric .....	584	588	588	595	595	630	635	635	11.3	10.8
Other Renewables <sup>1</sup> .....	10	17	152	162	189	267	367	349	0.2	6.0
<b>Total Electric Industry.....</b>	<b>5,160</b>	<b>5,132</b>	<b>5,268</b>	<b>5,437</b>	<b>5,479</b>	<b>5,614</b>	<b>5,779</b>	<b>5,866</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	2,293	2,335	2,339	2,460	2,458	2,442	2,442	2,442	44.4	41.6
Petroleum.....	65	55	57	57	59	57	57	54	1.3	0.9
Natural Gas .....	58	98	100	154	154	181	200	284	1.1	4.8
Other Gases <sup>2</sup> .....	-	-	-	-	-	2	2	2	-	*
Hydroelectric .....	2,734	2,627	2,619	2,604	2,620	2,660	2,692	2,705	53.0	46.1
Other Renewables <sup>1</sup> .....	10	17	152	162	189	272	386	379	0.2	6.5

<sup>1</sup> Other Renewables includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>2</sup> Other gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

\* = 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, 2000 and 2004 Through 2010**  
(Megawatthours)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Montana</b>										
<b>Electric Utilities.....</b>	<b>6,627,410</b>	<b>6,066,404</b>	<b>6,587,015</b>	<b>6,956,390</b>	<b>6,342,288</b>	<b>6,902,037</b>	<b>6,275,963</b>	<b>6,271,180</b>	<b>25.1</b>	<b>21.1</b>
Coal.....	323,757	347,287	283,468	336,324	313,689	330,634	315,884	314,795	1.2	1.1
Petroleum.....	487	1,004	458	426	1,289	1,027	302	392	*	*
Natural Gas.....	13,438	12,532	10,602	8,347	15,007	3,430	2,268	32,703	0.1	0.1
Hydroelectric.....	6,289,728	5,705,581	6,292,487	6,611,293	6,012,303	6,566,946	5,889,817	5,855,389	23.8	19.7
Other Renewables <sup>1</sup> .....	-	-	-	-	-	-	67,691	67,902	-	0.2
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>19,824,418</b>	<b>20,722,364</b>	<b>21,351,763</b>	<b>21,287,146</b>	<b>22,589,205</b>	<b>22,735,100</b>	<b>20,436,772</b>	<b>23,520,001</b>	<b>74.9</b>	<b>78.9</b>
Coal.....	15,877,082	17,032,941	17,539,871	16,748,756	18,043,086	18,000,899	15,295,395	18,285,840	60.0	61.4
Petroleum.....	519,404	438,133	414,418	418,698	477,388	418,124	490,131	408,110	2.0	1.4
Natural Gas.....	13,169	15,421	16,336	59,233	90,966	62,228	75,494	24,409	*	0.1
Other Gases <sup>2</sup> .....	34,311	22,972	14,665	11,207	19,011	5,772	1,447	1,899	0.1	*
Hydroelectric.....	3,333,529	3,150,450	3,294,862	3,518,868	3,352,033	3,432,611	3,616,123	3,559,273	12.6	11.9
Other Renewables <sup>1</sup> .....	46,923	62,446	71,612	530,385	606,721	704,096	847,875	959,255	0.2	3.2
Other <sup>3</sup> .....	-	-	-	-	-	111,371	110,308	281,214	-	0.9
<b>Total Electric Industry.....</b>	<b>26,451,828</b>	<b>26,788,768</b>	<b>27,938,778</b>	<b>28,243,536</b>	<b>28,931,493</b>	<b>29,637,137</b>	<b>26,712,735</b>	<b>29,791,181</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	16,200,839	17,380,228	17,823,339	17,085,080	18,356,775	18,331,532	15,611,279	18,600,634	61.2	62.4
Petroleum.....	519,891	439,137	414,876	419,124	478,677	419,150	490,433	408,501	2.0	1.4
Natural Gas.....	26,607	27,953	26,938	67,580	105,974	65,659	77,762	57,112	0.1	0.2
Other Gases <sup>2</sup> .....	34,311	22,972	14,665	11,207	19,011	5,772	1,447	1,899	0.1	*
Hydroelectric.....	9,623,257	8,856,031	9,587,349	10,130,161	9,364,336	9,999,557	9,505,940	9,414,662	36.4	31.6
Other Renewables <sup>1</sup> .....	46,923	62,446	71,612	530,385	606,721	704,096	915,566	1,027,157	0.2	3.4
Other <sup>3</sup> .....	-	-	-	-	-	111,371	110,308	281,214	-	0.9

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>2</sup> Other gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

<sup>3</sup> Other includes non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

\* = 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.

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

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, 2000 and 2004 Through 2010**

Fuel, Quality	2000	2004	2005	2006	2007	2008	2009	2010
<b>Montana</b>								
Coal (cents per million Btu) .....	92	W	W	W	W	W	W	111
Average heat value (Btu per pound).....	6,618	8,504	8,447	8,428	8,426	8,347	8,409	8,375
Average sulfur Content (percent) .....	0.52	0.63	0.66	0.66	0.61	0.69	0.67	0.69
Petroleum (cents per million Btu) <sup>1</sup> .....	-	W	W	W	W	W	W	73
Average heat value (Btu per gallon).....	-	137,064	126,095	130,833	137,343	136,819	139,021	138,571
Average sulfur Content (percent) .....	-	0.46	0.35	5.57	6.04	5.93	5.73	5.43
Natural Gas (cents per million Btu).....	510	W	W	W	W	W	W	529
Average heat value (Btu per cubic foot).....	1,139	1,095	1,106	1,093	1,013	1,025	1,021	1,018

<sup>1</sup> 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, 2000 and 2004 Through 2010**  
(Thousand Metric Tons)

Emission Type	2000	2004	2005	2006	2007	2008	2009	2010
<b>Montana</b>								
<b>Sulfur Dioxide .....</b>								
Coal.....	22	19	18	18	20	18	19	19
Petroleum.....	24	2	2	2	2	3	3	2
Natural Gas .....	*	-	-	-	-	-	-	-
Other Renewables <sup>1</sup> .....	2	2	2	1	2	1	1	1
Total .....	47	23	22	22	24	22	23	22
<b>Nitrogen Oxide .....</b>								
Coal.....	32	33	36	36	37	26	19	20
Petroleum.....	3	*	*	*	*	*	*	*
Natural Gas .....	*	*	*	1	1	1	1	*
Other Gases.....	*	1	1	1	1	*	*	*
Other Renewables <sup>1</sup> .....	1	1	1	1	1	1	1	1
Total .....	36	35	38	38	40	28	21	21
<b>Carbon Dioxide .....</b>								
Coal.....	16,900	18,669	18,986	18,493	19,497	19,574	16,668	19,615
Petroleum.....	788	827	786	793	749	706	818	691
Natural Gas .....	167	125	102	118	101	75	62	64
Other Gases.....	41	5	-	-	-	-	-	-
Total .....	17,896	19,625	19,875	19,404	20,347	20,355	17,548	20,370

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, and other biomass.

\* = 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.

Note: CO2 emissions for the historical years 1998 - 2008 have been revised due to changes in emission factors.

Sources: Calculations made by the Electric Power Systems and Reliability Team; Office of Electricity, Renewables, and Uranium Statistics; U. S. Energy Information Administration.

**Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 2000 and 2004 Through 2010**

Sector	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Montana</b>										
<b>Retail Sales (thousand megawatthours) .....</b>										
Residential .....	3,908	4,053	4,221	4,394	4,542	4,669	4,774	4,743	26.8	35.3
Commercial .....	3,792	4,330	4,473	4,686	4,828	4,826	4,779	4,789	26.0	35.7
Industrial .....	6,568	4,574	4,784	4,735	6,163	5,831	4,773	3,891	45.0	29.0
Other .....	312	NA	NA	NA	NA	NA	NA	NA	2.1	--
All Sectors .....	14,580	12,957	13,479	13,815	15,532	15,326	14,326	13,423	100.0	100.0
<b>Retail Revenue (million dollars) .....</b>										
Residential .....	254	319	342	364	398	426	426	434	34.8	41.1
Commercial .....	213	321	332	349	391	412	398	409	29.2	38.7
Industrial .....	261	190	231	242	318	344	260	214	35.8	20.2
Other .....	2	NA	NA	NA	NA	NA	NA	NA	0.3	--
All Sectors .....	729	830	906	955	1,108	1,183	1,084	1,057	100.0	100.0
<b>Average Retail Prices (cents/kWh) .....</b>										
Residential .....	6.49	7.86	8.10	8.28	8.77	9.13	8.93	9.16	--	--
Commercial .....	5.60	7.42	7.43	7.44	8.10	8.54	8.32	8.55	--	--
Industrial .....	3.97	4.15	4.83	5.12	5.16	5.90	5.45	5.49	--	--
Other .....	0.68	NA	NA	NA	NA	NA	NA	NA	--	--
All Sectors .....	5.00	6.40	6.72	6.91	7.13	7.72	7.57	7.88	--	--

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, 2010**

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
<b>Montana</b>								
Number of Entities .....	4	1	2	29	NA	3	2	41
Number of Retail Customers .....	360,188	986	20,924	191,614	NA	512	NA	574,224
Retail Sales (thousand megawatthours) .....	6,495	17	422	3,870	NA	2,620	NA	13,423
Percentage of Retail Sales .....	48.38	0.12	3.14	28.83	--	19.52	--	100.00
Revenue from Retail Sales (million dollars) .....	582	1	22	316	NA	120	17	1,057
Percentage of Revenue .....	55.04	0.09	2.09	29.89	--	11.30	1.58	100.00
Average Retail Price (cents/kWh) .....	8.96	5.78	5.23	8.17	NA	4.56	0.64	7.88

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Data are shown for All Sectors. Full Service Providers sell bundled electricity services (e.g., both energy and delivery) to end users. Full Service Providers may purchase electricity from others (such as independent Power Producers or other full service providers) prior to delivery. Other Providers sell either the energy or the delivery services, but not both. Sales volumes and customer counts shown for Other Providers refer to delivered electricity, which is a joint activity of both energy and delivery providers; for clarity, they are reported only in the Energy column in this table. The revenue shown under Other Providers represents the revenue realized from the sale of the energy and the delivery services distinctly. "Public" entities include municipalities, State power agencies, and municipal marketing authorities. Federal entities are either owned or financed by the Federal Government. "Cooperatives" are electric utilities legally established to be owned by and operated for the benefit of those using its services. The cooperative will generate, transmit and/or distribute supplies of electric energy to a specified area not being serviced by another utility. "Non-utility" sales represent direct electricity transactions from independent generators to end use consumers. Totals may not equal sum of components because of independent rounding.

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

**Table 10. Supply and Disposition of Electricity, 2000 and 2004 Through 2010**  
(Million Kilowatthours)

Category	2000	2004	2005	2006	2007	2008	2009	2010
<b>Montana</b>								
<b>Supply</b> .....								
<b>Generation</b> .....								
Electric Utilities .....	6,627	6,066	6,587	6,956	6,342	6,902	6,276	6,271
Independent Power Producers .....	19,275	20,210	20,851	20,764	21,986	22,202	19,853	23,019
Combined Heat and Power, Electric .....	486	434	412	408	482	405	479	398
<b>Electric Power Sector Generation Subtotal</b> .....	<b>26,389</b>	<b>26,710</b>	<b>27,851</b>	<b>28,128</b>	<b>28,810</b>	<b>29,509</b>	<b>26,608</b>	<b>29,688</b>
Combined Heat and Power, Industrial.....	63	78	88	116	121	128	105	103
<b>Industrial and Commercial Generation Subtotal</b> .....	<b>63</b>	<b>78</b>	<b>88</b>	<b>116</b>	<b>121</b>	<b>128</b>	<b>105</b>	<b>103</b>
<b>Total Net Generation</b> .....	<b>26,452</b>	<b>26,789</b>	<b>27,939</b>	<b>28,244</b>	<b>28,931</b>	<b>29,637</b>	<b>26,713</b>	<b>29,791</b>
<b>Total International Imports</b> .....	*	40	109	86	95	241	216	250
<b>Total Supply</b> .....	<b>26,452</b>	<b>26,829</b>	<b>28,048</b>	<b>28,329</b>	<b>29,026</b>	<b>29,879</b>	<b>26,928</b>	<b>30,041</b>
<b>Disposition</b> .....								
<b>Retail Sales</b> .....								
Full Service Providers .....	12,489	10,084	10,642	10,821	12,832	12,492	11,277	10,803
Energy-Only Providers .....	2,091	2,873	2,836	2,994	2,700	2,834	3,050	2,620
<b>Total Electric Industry Retail Sales</b> .....	<b>14,580</b>	<b>12,957</b>	<b>13,479</b>	<b>13,815</b>	<b>15,532</b>	<b>15,326</b>	<b>14,326</b>	<b>13,423</b>
<b>Direct Use</b> .....	<b>223</b>	<b>155</b>	<b>93</b>	<b>120</b>	<b>121</b>	<b>238</b>	<b>192</b>	<b>71</b>
<b>Total International Exports</b> .....	<b>3</b>	<b>76</b>	<b>100</b>	<b>299</b>	<b>149</b>	<b>489</b>	<b>504</b>	<b>626</b>
<b>Estimated Losses</b> .....	<b>1,038</b>	<b>3,067</b>	<b>3,722</b>	<b>3,575</b>	<b>3,550</b>	<b>4,608</b>	<b>6,076</b>	<b>1,174</b>
<b>Net Interstate Trade</b> <sup>1</sup> .....	<b>10,608</b>	<b>10,574</b>	<b>10,654</b>	<b>10,519</b>	<b>9,675</b>	<b>9,218</b>	<b>5,830</b>	<b>14,748</b>
<b>Total Disposition</b> .....	<b>26,452</b>	<b>26,829</b>	<b>28,048</b>	<b>28,329</b>	<b>29,026</b>	<b>29,879</b>	<b>26,928</b>	<b>30,041</b>
<b>Net Trade Index (ratio)</b> <sup>2</sup> .....	<b>1.67</b>	<b>1.65</b>	<b>1.61</b>	<b>1.59</b>	<b>1.50</b>	<b>1.45</b>	<b>1.28</b>	<b>1.96</b>

<sup>1</sup> Net Interstate Trade = Total Supply - (Total Electric Industry Retail Sales + Direct Use + Total International Exports (if applies) + Estimated Losses).

<sup>2</sup> Net Trade Index is the sum of Total Supply / (Total Disposition - Net Interstate Trade).

\* = 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. Beginning with publication year 2010, Total disposition has been reorganized to include Net Interstate Trade. Therefore, Total Disposition equals Total Supply.

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. 2010 Summary Statistics**

Item	Value	U.S. Rank
<b>Nebraska</b>		
NERC Region(s).....		MRO/SPP
Primary Energy Source.....		Coal
Net Summer Capacity (megawatts) .....	7,857	38
Electric Utilities.....	7,647	30
Independent Power Producers & Combined Heat and Power.....	210	50
Net Generation (megawatthours).....	36,630,006	36
Electric Utilities.....	36,242,921	30
Independent Power Producers & Combined Heat and Power.....	387,085	50
Emissions (thousand metric tons) .....		
Sulfur Dioxide .....	65	24
Nitrogen Oxide .....	40	30
Carbon Dioxide.....	24,461	34
Sulfur Dioxide (lbs/MWh) .....	3.9	12
Nitrogen Oxide (lbs/MWh) .....	2.4	9
Carbon Dioxide (lbs/MWh).....	1,472	19
Total Retail Sales (megawatthours) .....	29,849,460	36
Full Service Provider Sales (megawatthours) .....	29,849,460	35
Direct Use (megawatthours) .....	227,081	39
Average Retail Price (cents/kWh).....	7.52	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, 2010**

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
<b>Nebraska</b>			
1. Gerald Gentleman.....	Coal	Nebraska Public Power District	1,365
2. Nebraska City .....	Coal	Omaha Public Power District	1,330
3. Cooper .....	Nuclear	Nebraska Public Power District	767
4. North Omaha .....	Coal	Omaha Public Power District	646
5. Fort Calhoun .....	Nuclear	Omaha Public Power District	478
6. Cass County.....	Gas	Omaha Public Power District	322
7. Sarpy County.....	Gas	Omaha Public Power District	312
8. Rokeby.....	Gas	Lincoln Electric System	237
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, 2010**  
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
<b>Nebraska</b>						
1. Omaha Public Power District .....	Public	10,825,093	3,648,180	3,772,964	3,403,949	-
2. Nebraska Public Power District.....	Public	3,212,095	859,036	1,114,219	1,238,840	-
3. Lincoln Electric System.....	Public	3,189,680	1,205,944	1,489,343	494,393	-
4. Loup River Public Power Dist.....	Public	1,306,322	255,986	218,151	832,185	-
5. Southern Public Power District .....	Public	972,100	250,289	33,151	688,660	-
Total Sales, Top Five Providers .....		19,505,290	6,219,435	6,627,828	6,658,027	-
Percent of Total State Sales .....		65	62	70	65	-

- (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, 2000 and 2004 Through 2010**  
(Megawatts)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Nebraska</b>										
<b>Electric Utilities.....</b>	<b>5,939</b>	<b>6,722</b>	<b>7,007</b>	<b>7,056</b>	<b>6,959</b>	<b>7,011</b>	<b>7,675</b>	<b>7,647</b>	<b>99.7</b>	<b>97.3</b>
Coal.....	3,181	3,196	3,196	3,196	3,196	3,196	3,863	3,863	53.4	49.2
Petroleum.....	636	638	639	641	330	382	387	387	10.7	4.9
Natural Gas.....	723	1,374	1,589	1,630	1,889	1,874	1,864	1,849	12.1	23.5
Nuclear.....	1,234	1,232	1,238	1,238	1,240	1,252	1,252	1,245	20.7	15.8
Hydroelectric.....	162	266	269	272	273	278	278	278	2.7	3.5
Other Renewables <sup>1</sup> .....	3	16	76	78	30	30	30	24	*	0.3
<b>Independent Power Producers and Combined Heat and Power .....</b>	<b>17</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>12</b>	<b>12</b>	<b>93</b>	<b>210</b>	<b>0.3</b>	<b>2.7</b>
Coal.....	7	8	8	8	8	8	8	69	0.1	0.9
Petroleum.....	1	1	1	1	-	-	-	-	*	-
Natural Gas.....	5	2	2	2	-	-	-	-	0.1	-
Other Renewables <sup>1</sup> .....	4	4	4	4	5	5	86	141	0.1	1.8
<b>Total Electric Industry.....</b>	<b>5,956</b>	<b>6,738</b>	<b>7,023</b>	<b>7,071</b>	<b>6,971</b>	<b>7,024</b>	<b>7,768</b>	<b>7,857</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	3,189	3,204	3,204	3,204	3,204	3,204	3,871	3,932	53.5	50.0
Petroleum.....	637	639	640	642	330	382	387	387	10.7	4.9
Natural Gas.....	728	1,376	1,591	1,632	1,889	1,874	1,864	1,849	12.2	23.5
Nuclear.....	1,234	1,232	1,238	1,238	1,240	1,252	1,252	1,245	20.7	15.8
Hydroelectric.....	162	266	269	272	273	278	278	278	2.7	3.5
Other Renewables <sup>1</sup> .....	6	21	80	83	35	35	115	165	0.1	2.1

<sup>1</sup> Other Renewables includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

\* = 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, 2000 and 2004 Through 2010**  
(Megawatthours)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Nebraska</b>										
<b>Electric Utilities.....</b>	<b>29,045,739</b>	<b>31,944,127</b>	<b>31,391,643</b>	<b>31,599,046</b>	<b>32,403,289</b>	<b>32,355,676</b>	<b>33,776,062</b>	<b>36,242,921</b>	<b>99.8</b>	<b>98.9</b>
Coal.....	18,424,799	20,414,960	20,772,590	20,632,855	19,611,849	21,479,723	23,307,746	23,214,616	63.3	63.4
Petroleum.....	53,715	21,004	30,026	18,914	35,552	34,655	22,869	30,849	0.2	0.1
Natural Gas.....	437,822	288,576	794,533	752,584	1,103,962	757,060	311,194	362,396	1.5	1.0
Other Gases <sup>1</sup> .....	-	142	6	-	-	-	-	-	-	-
Nuclear.....	8,628,679	10,241,254	8,801,841	9,002,656	11,041,532	9,479,039	9,435,142	11,054,337	29.6	30.2
Hydroelectric.....	1,500,724	913,021	871,473	893,386	347,444	346,456	433,690	1,313,856	5.2	3.6
Other Renewables <sup>2</sup> .....	-	65,170	121,174	298,651	262,949	258,743	265,421	266,867	-	0.7
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>64,124</b>	<b>64,582</b>	<b>73,091</b>	<b>70,923</b>	<b>39,410</b>	<b>17,846</b>	<b>225,830</b>	<b>387,085</b>	<b>0.2</b>	<b>1.1</b>
Coal.....	33,134	42,125	45,581	49,693	18,062	49	42,034	148,159	0.1	0.4
Petroleum.....	944	864	980	403	215	-	-	-	*	-
Natural Gas.....	13,532	8,814	8,450	6,217	6,058	1,427	388	12,639	*	*
Other Renewables <sup>2</sup> .....	16,514	12,779	18,080	14,610	15,075	16,370	183,408	226,286	0.1	0.6
<b>Total Electric Industry.....</b>	<b>29,109,863</b>	<b>32,008,709</b>	<b>31,464,734</b>	<b>31,669,969</b>	<b>32,442,699</b>	<b>32,373,522</b>	<b>34,001,892</b>	<b>36,630,006</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	18,457,933	20,457,085	20,818,171	20,682,548	19,629,911	21,479,773	23,349,780	23,362,776	63.4	63.8
Petroleum.....	54,659	21,868	31,005	19,317	35,767	34,655	22,869	30,849	0.2	0.1
Natural Gas.....	451,354	297,390	802,983	758,801	1,110,020	758,487	311,581	375,035	1.6	1.0
Other Gases <sup>1</sup> .....	-	142	6	-	-	-	-	-	-	-
Nuclear.....	8,628,679	10,241,254	8,801,841	9,002,656	11,041,532	9,479,039	9,435,142	11,054,337	29.6	30.2
Hydroelectric.....	1,500,724	913,021	871,473	893,386	347,444	346,456	433,690	1,313,856	5.2	3.6
Other Renewables <sup>2</sup> .....	16,514	77,949	139,254	313,261	278,024	275,113	448,829	493,153	0.1	1.3

<sup>1</sup> Other gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

<sup>2</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

\* = 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.

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

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, 2000 and 2004 Through 2010**

Fuel, Quality	2000	2004	2005	2006	2007	2008	2009	2010
<b>Nebraska</b>								
Coal (cents per million Btu) .....	56	66	71	80	88	90	W	142
Average heat value (Btu per pound).....	8,632	8,574	8,570	8,514	8,511	8,496	8,544	8,547
Average sulfur Content (percent).....	0.30	0.32	0.31	0.30	0.31	0.31	0.31	0.28
Petroleum (cents per million Btu) <sup>1</sup> .....	649	712	1,343	1,534	1,669	1,772	1,056	1,711
Average heat value (Btu per gallon).....	137,750	136,976	138,119	138,124	138,007	139,452	140,500	137,895
Average sulfur Content (percent).....	0.18	0.17	0.04	0.02	0.02	0.47	0.54	0.05
Natural Gas (cents per million Btu).....	460	654	824	743	899	W	W	689
Average heat value (Btu per cubic foot).....	1,001	995	990	984	997	1,007	999	1,003

<sup>1</sup> 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, 2000 and 2004 Through 2010 (Thousand Metric Tons)**

Emission Type	2000	2004	2005	2006	2007	2008	2009	2010
<b>Nebraska</b>								
<b>Sulfur Dioxide .....</b>								
Coal.....	55	68	67	65	63	69	70	65
Petroleum.....	*	*	*	*	*	*	*	*
Natural Gas.....	-	-	*	*	*	*	-	-
Total.....	55	68	67	65	63	70	70	65
<b>Nitrogen Oxide .....</b>								
Coal.....	39	44	46	41	37	40	43	39
Petroleum.....	1	*	*	*	*	*	*	*
Natural Gas.....	1	*	11	19	1	*	*	*
Other Renewables <sup>1</sup> .....	1	1	1	1	1	1	1	1
Total.....	40	46	58	61	39	41	44	40
<b>Carbon Dioxide .....</b>								
Coal.....	19,428	21,134	21,600	21,451	20,365	22,042	23,704	24,179
Petroleum.....	53	21	29	19	35	31	19	24
Natural Gas.....	328	182	435	422	595	386	177	258
Other Gases.....	-	*	*	-	-	-	-	-
Total.....	19,809	21,337	22,064	21,892	20,995	22,460	23,899	24,461

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, and other biomass.

\* = 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.

Note: CO2 emissions for the historical years 1998 - 2008 have been revised due to changes in emission factors.

Sources: Calculations made by the Electric Power Systems and Reliability Team; Office of Electricity, Renewables, and Uranium Statistics; U. S. Energy Information Administration.

**Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 2000 and 2004 Through 2010**

Sector	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Nebraska</b>										
<b>Retail Sales (thousand megawatthours) .....</b>										
Residential .....	8,346	8,757	9,309	9,294	9,748	9,749	9,627	10,107	34.3	33.9
Commercial .....	7,041	8,501	8,848	9,006	9,396	9,438	9,314	9,532	28.9	31.9
Industrial .....	7,276	8,618	8,819	8,977	9,104	9,624	9,511	10,210	29.9	34.2
Other .....	1,686	NA	NA	NA	NA	NA	NA	NA	6.9	--
All Sectors .....	24,349	25,876	26,976	27,276	28,248	28,811	28,452	29,849	100.0	100.0
<b>Retail Revenue (million dollars) .....</b>										
Residential .....	545	610	665	689	740	767	820	903	42.2	40.3
Commercial .....	382	497	529	558	601	631	683	728	29.5	32.4
Industrial .....	263	369	391	409	435	496	547	613	20.3	27.3
Other .....	103	NA	NA	NA	NA	NA	NA	NA	8.0	--
All Sectors .....	1,292	1,475	1,584	1,656	1,775	1,894	2,050	2,244	100.0	100.0
<b>Average Retail Prices (cents/kWh) .....</b>										
Residential .....	6.53	6.96	7.14	7.41	7.59	7.87	8.52	8.94	--	--
Commercial .....	5.42	5.84	5.98	6.19	6.39	6.68	7.33	7.63	--	--
Industrial .....	3.61	4.28	4.43	4.56	4.78	5.16	5.75	6.00	--	--
Other .....	6.10	NA	NA	NA	NA	NA	NA	NA	--	--
All Sectors .....	5.31	5.70	5.87	6.07	6.28	6.58	7.21	7.52	--	--

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, 2010**

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
<b>Nebraska</b>								
Number of Entities .....	NA	149	1	10	NA	NA	NA	160
Number of Retail Customers .....	NA	976,956	16	23,176	NA	NA	NA	1,000,148
Retail Sales (thousand megawatthours) .....	NA	29,059	164	626	NA	NA	NA	29,849
Percentage of Retail Sales .....	--	97.35	0.55	2.10	--	--	--	100.00
Revenue from Retail Sales (million dollars) .....	NA	2,170	5	69	NA	NA	NA	2,244
Percentage of Revenue .....	--	96.70	0.22	3.08	--	--	--	100.00
Average Retail Price (cents/kWh) .....	NA	7.47	3.04	11.04	NA	NA	NA	7.52

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Data are shown for All Sectors. Full Service Providers sell bundled electricity services (e.g., both energy and delivery) to end users. Full Service Providers may purchase electricity from others (such as independent Power Producers or other full service providers) prior to delivery. Other Providers sell either the energy or the delivery services, but not both. Sales volumes and customer counts shown for Other Providers refer to delivered electricity, which is a joint activity of both energy and delivery providers; for clarity, they are reported only in the Energy column in this table. The revenue shown under Other Providers represents the revenue realized from the sale of the energy and the delivery services distinctly. "Public" entities include municipalities, State power agencies, and municipal marketing authorities. Federal entities are either owned or financed by the Federal Government. "Cooperatives" are electric utilities legally established to be owned by and operated for the benefit of those using its services. The cooperative will generate, transmit and/or distribute supplies of electric energy to a specified area not being serviced by another utility. "Non-utility" sales represent direct electricity transactions from independent generators to end use consumers. Totals may not equal sum of components because of independent rounding.

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

**Table 10. Supply and Disposition of Electricity, 2000 and 2004 Through 2010**  
(Million Kilowatthours)

Category	2000	2004	2005	2006	2007	2008	2009	2010
<b>Nebraska</b>								
<b>Supply</b> .....								
<b>Generation</b> .....								
Electric Utilities .....	29,046	31,944	31,392	31,599	32,403	32,356	33,776	36,243
Independent Power Producers .....	-	-	-	-	-	-	165	208
Combined Heat and Power, Electric .....	7	*	8	4	5	5	5	6
<b>Electric Power Sector Generation Subtotal</b> .....	<b>29,053</b>	<b>31,944</b>	<b>31,400</b>	<b>31,604</b>	<b>32,408</b>	<b>32,361</b>	<b>33,945</b>	<b>36,457</b>
Combined Heat and Power, Commercial .....	19	22	19	17	17	13	14	13
Combined Heat and Power, Industrial.....	38	42	46	50	18	*	42	160
<b>Industrial and Commercial Generation Subtotal</b> .....	<b>57</b>	<b>65</b>	<b>65</b>	<b>66</b>	<b>35</b>	<b>13</b>	<b>56</b>	<b>173</b>
<b>Total Net Generation</b> .....	<b>29,110</b>	<b>32,009</b>	<b>31,465</b>	<b>31,670</b>	<b>32,443</b>	<b>32,374</b>	<b>34,002</b>	<b>36,630</b>
<b>Total International Imports</b> .....	-	-	*	*	10	*	-	-
<b>Total Supply</b> .....	<b>29,110</b>	<b>32,009</b>	<b>31,465</b>	<b>31,670</b>	<b>32,452</b>	<b>32,374</b>	<b>34,002</b>	<b>36,630</b>
<b>Disposition</b> .....								
<b>Retail Sales</b> .....								
Full Service Providers .....	24,349	25,876	26,976	27,276	28,248	28,811	28,452	29,849
<b>Total Electric Industry Retail Sales</b> .....	<b>24,349</b>	<b>25,876</b>	<b>26,976</b>	<b>27,276</b>	<b>28,248</b>	<b>28,811</b>	<b>28,452</b>	<b>29,849</b>
<b>Direct Use</b> .....	<b>64</b>	<b>72</b>	<b>75</b>	<b>73</b>	<b>46</b>	<b>18</b>	<b>61</b>	<b>227</b>
<b>Total International Exports</b> .....	-	3	4	1	1	*	*	-
<b>Estimated Losses</b> .....	<b>1,733</b>	<b>2,119</b>	<b>2,322</b>	<b>2,437</b>	<b>2,781</b>	<b>2,806</b>	<b>2,686</b>	<b>2,740</b>
<b>Net Interstate Trade</b> <sup>1</sup> .....	<b>2,964</b>	<b>3,939</b>	<b>2,088</b>	<b>1,882</b>	<b>1,377</b>	<b>739</b>	<b>2,803</b>	<b>3,813</b>
<b>Total Disposition</b> .....	<b>29,110</b>	<b>32,009</b>	<b>31,465</b>	<b>31,670</b>	<b>32,452</b>	<b>32,374</b>	<b>34,002</b>	<b>36,630</b>
<b>Net Trade Index (ratio)</b> <sup>2</sup> .....	<b>1.11</b>	<b>1.14</b>	<b>1.07</b>	<b>1.06</b>	<b>1.04</b>	<b>1.02</b>	<b>1.09</b>	<b>1.12</b>

<sup>1</sup> Net Interstate Trade = Total Supply - (Total Electric Industry Retail Sales + Direct Use + Total International Exports (if applies) + Estimated Losses).

<sup>2</sup> Net Trade Index is the sum of Total Supply / (Total Disposition - Net Interstate Trade).

\* = 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. Beginning with publication year 2010, Total disposition has been reorganized to include Net Interstate Trade. Therefore, Total Disposition equals Total Supply.

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. 2010 Summary Statistics**

Item	Value	U.S. Rank
<b>Nevada</b>		
NERC Region(s).....		WECC
Primary Energy Source.....		Gas
<b>Net Summer Capacity (megawatts) .....</b>	<b>11,421</b>	<b>34</b>
Electric Utilities.....	8,713	29
Independent Power Producers & Combined Heat and Power.....	2,708	33
<b>Net Generation (megawatthours).....</b>	<b>35,146,248</b>	<b>38</b>
Electric Utilities.....	23,710,917	34
Independent Power Producers & Combined Heat and Power.....	11,435,331	29
<b>Emissions (thousand metric tons) .....</b>		
Sulfur Dioxide .....	7	44
Nitrogen Oxide .....	15	40
Carbon Dioxide.....	17,020	38
Sulfur Dioxide (lbs/MWh) .....	0.4	46
Nitrogen Oxide (lbs/MWh) .....	1.0	37
Carbon Dioxide (lbs/MWh).....	1,068	37
<b>Total Retail Sales (megawatthours) .....</b>	<b>33,772,595</b>	<b>33</b>
Full Service Provider Sales (megawatthours) .....	32,348,879	32
Energy-Only Provider Sales (megawatthours).....	1,423,716	19
<b>Direct Use (megawatthours) .....</b>	<b>84,101</b>	<b>42</b>
<b>Average Retail Price (cents/kWh).....</b>	<b>9.73</b>	<b>19</b>

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, 2010**

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
<b>Nevada</b>			
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. Higgins Generating Station .....	Gas	Nevada Power Co	570
7. Silverhawk.....	Gas	Nevada Power Co	560
8. Reid Gardner.....	Coal	Nevada Power Co	553
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, 2010**  
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
1. Nevada Power Co.....	Investor-Owned	20,873,335	8,684,388	4,510,827	7,669,629	8,491
2. Sierra Pacific Power Co.....	Investor-Owned	7,548,312	2,188,375	2,877,253	2,482,684	-
3. Colorado River Comm of Nevada.....	Public	1,669,538	-	991,813	677,725	-
4. Coral Power LLC.....	Other Provider	998,022	-	-	998,022	-
5. Wells Rural Electric Co.....	Cooperative	764,170	49,085	53,950	661,135	-
Total Sales, Top Five Providers .....		31,853,377	10,921,848	8,433,843	12,489,195	8,491
Percent of Total State Sales .....		94	94	94	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, 2000 and 2004 Through 2010**  
(Megawatts)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Electric Utilities.....</b>	<b>5,434</b>	<b>5,389</b>	<b>5,611</b>	<b>6,771</b>	<b>6,998</b>	<b>8,741</b>	<b>8,741</b>	<b>8,713</b>	<b>80.9</b>	<b>76.3</b>
Coal.....	2,806	2,657	2,657	2,657	2,689	2,689	2,689	2,655	41.8	23.2
Petroleum.....	46	45	45	45	45	45	45	45	0.7	0.4
Natural Gas .....	1,533	1,642	1,862	3,023	3,217	4,964	4,964	4,970	22.8	43.5
Hydroelectric .....	1,049	1,045	1,047	1,047	1,048	1,043	1,043	1,043	15.6	9.1
<b>Independent Power Producers and Combined Heat and Power .....</b>	<b>1,282</b>	<b>3,281</b>	<b>3,103</b>	<b>2,876</b>	<b>2,956</b>	<b>2,557</b>	<b>2,656</b>	<b>2,708</b>	<b>19.1</b>	<b>23.7</b>
Coal.....	-	-	-	-	-	227	227	218	-	1.9
Natural Gas .....	1,082	3,137	2,917	2,688	2,688	2,018	2,026	2,026	16.1	17.7
Hydroelectric .....	4	2	-	-	-	8	8	8	0.1	0.1
Other Renewables <sup>1</sup> .....	196	142	185	188	268	304	395	456	2.9	4.0
<b>Total Electric Industry.....</b>	<b>6,716</b>	<b>8,670</b>	<b>8,714</b>	<b>9,648</b>	<b>9,954</b>	<b>11,297</b>	<b>11,396</b>	<b>11,421</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	2,806	2,657	2,657	2,657	2,689	2,916	2,916	2,873	41.8	25.2
Petroleum.....	46	45	45	45	45	45	45	45	0.7	0.4
Natural Gas .....	2,615	4,779	4,779	5,711	5,905	6,982	6,990	6,996	38.9	61.3
Hydroelectric .....	1,053	1,047	1,047	1,047	1,048	1,051	1,051	1,051	15.7	9.2
Other Renewables <sup>1</sup> .....	196	142	185	188	268	304	395	456	2.9	4.0

<sup>1</sup> Other Renewables includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

- (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, 2000 and 2004 Through 2010**  
(Megawatthours)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Nevada</b>										
<b>Electric Utilities.....</b>	<b>29,341,675</b>	<b>24,246,391</b>	<b>24,112,225</b>	<b>19,686,302</b>	<b>22,376,989</b>	<b>22,979,409</b>	<b>26,095,005</b>	<b>23,710,917</b>	<b>82.7</b>	<b>67.5</b>
Coal.....	18,931,521	18,257,265	18,384,261	7,253,521	7,090,911	6,884,521	6,376,887	5,584,370	53.4	15.9
Petroleum.....	64,614	95,766	20,500	17,347	11,447	9,865	8,472	7,675	0.2	*
Natural Gas.....	7,929,942	4,288,157	4,005,084	10,357,808	13,271,440	14,342,535	17,283,168	16,001,126	22.3	45.5
Hydroelectric.....	2,415,598	1,605,203	1,702,380	2,057,626	2,003,191	1,742,489	2,425,588	2,117,746	6.8	6.0
Other Renewables <sup>1</sup> .....	-	-	-	-	-	-	890	-	-	-
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>6,143,240</b>	<b>13,421,044</b>	<b>16,101,527</b>	<b>12,173,720</b>	<b>10,292,747</b>	<b>12,110,565</b>	<b>11,610,128</b>	<b>11,435,331</b>	<b>17.3</b>	<b>32.5</b>
Coal.....	-	-	-	-	-	927,832	1,163,050	1,412,933	-	4.0
Petroleum.....	180	-	-	-	3	4,405	7,712	3,483	*	*
Natural Gas.....	4,737,247	12,092,586	14,830,539	10,826,327	8,991,830	9,629,377	8,594,453	7,687,066	13.4	21.9
Other Gases <sup>2</sup> .....	-	21,033	8,281	3,682	4,256	1,987	2,385	5,652	-	*
Hydroelectric.....	13,870	9,920	-	-	-	8,131	35,007	39,550	*	0.1
Other Renewables <sup>1</sup> .....	1,370,791	1,297,504	1,262,707	1,343,711	1,296,658	1,538,833	1,807,522	2,286,647	3.9	6.5
Other <sup>3</sup> .....	21,152	-	-	-	-	-	-	-	0.1	-
<b>Total Electric Industry.....</b>	<b>35,484,915</b>	<b>37,667,435</b>	<b>40,213,752</b>	<b>31,860,022</b>	<b>32,669,736</b>	<b>35,089,974</b>	<b>37,705,133</b>	<b>35,146,248</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	18,931,521	18,257,265	18,384,261	7,253,521	7,090,911	7,812,352	7,539,936	6,997,302	53.4	19.9
Petroleum.....	64,794	95,766	20,500	17,347	11,450	14,270	16,184	11,158	0.2	*
Natural Gas.....	12,667,189	16,380,743	18,835,623	21,184,135	22,263,270	23,971,911	25,877,621	23,688,192	35.7	67.4
Other Gases <sup>2</sup> .....	-	21,033	8,281	3,682	4,256	1,987	2,385	5,652	-	*
Hydroelectric.....	2,429,468	1,615,123	1,702,380	2,057,626	2,003,191	1,750,620	2,460,595	2,157,296	6.8	6.1
Other Renewables <sup>1</sup> .....	1,370,791	1,297,504	1,262,707	1,343,711	1,296,658	1,538,833	1,808,412	2,286,647	3.9	6.5
Other <sup>3</sup> .....	21,152	-	-	-	-	-	-	-	0.1	-

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>2</sup> Other gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

<sup>3</sup> Other includes non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

\* = 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.

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

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, 2000 and 2004 Through 2010**

Fuel, Quality	2000	2004	2005	2006	2007	2008	2009	2010
<b>Nevada</b>								
Coal (cents per million Btu) .....	126	136	154	173	188	W	W	244
Average heat value (Btu per pound).....	11,211	11,118	11,176	11,495	11,151	10,664	10,505	10,626
Average sulfur Content (percent) .....	0.47	0.54	0.53	0.54	0.46	0.44	0.42	0.47
Petroleum (cents per million Btu) <sup>1</sup> .....	722	473	990	1,270	-	W	W	1,751
Average heat value (Btu per gallon).....	139,110	149,914	141,760	140,610	-	138,938	138,386	138,452
Average sulfur Content (percent) .....	0.30	0.86	0.34	0.31	-	0.12	0.06	0.02
Natural Gas (cents per million Btu).....	475	556	723	653	605	797	533	557
Average heat value (Btu per cubic foot).....	1,023	1,036	1,033	1,040	1,044	1,039	1,033	1,032

<sup>1</sup> 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, 2000 and 2004 Through 2010 (Thousand Metric Tons)**

Emission Type	2000	2004	2005	2006	2007	2008	2009	2010
<b>Nevada</b>								
<b>Sulfur Dioxide .....</b>								
Coal.....	48	49	48	8	8	8	7	7
Petroleum.....	*	*	*	*	*	*	*	-
Natural Gas.....	*	*	*	*	*	*	*	*
Other <sup>1</sup> .....	-	-	-	*	*	-	-	-
Total.....	48	50	48	8	8	9	7	7
<b>Nitrogen Oxide .....</b>								
Coal.....	35	35	36	15	13	11	10	9
Petroleum.....	2	*	*	*	*	*	*	*
Natural Gas.....	9	8	8	15	15	10	7	7
Other Gases.....	-	*	*	-	-	*	*	*
Other <sup>1</sup> .....	*	*	*	1	1	-	-	-
Total.....	47	43	44	31	29	22	17	15
<b>Carbon Dioxide .....</b>								
Coal.....	18,086	17,599	18,014	7,415	7,292	7,943	7,621	7,202
Petroleum.....	57	80	19	17	11	12	14	11
Natural Gas.....	6,582	7,496	8,133	9,284	9,574	10,153	10,618	9,755
Geothermal.....	35	33	32	35	32	36	42	53
Total.....	24,760	25,209	26,199	16,750	16,909	18,144	18,295	17,020

<sup>1</sup> Other includes non-biogenic municipal solid waste, tire-derived fuels, and miscellaneous technologies.

\* = 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.

Note: CO2 emissions for the historical years 1998 - 2008 have been revised due to changes in emission factors.

Sources: Calculations made by the Electric Power Systems and Reliability Team; Office of Electricity, Renewables, and Uranium Statistics; U. S. Energy Information Administration.

**Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 2000 and 2004 Through 2010**

Sector	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Nevada</b>										
<b>Retail Sales (thousand megawatthours) .....</b>										
Residential .....	9,406	10,673	11,080	11,978	12,390	12,061	11,880	11,615	33.8	34.4
Commercial .....	6,548	8,275	8,516	8,975	9,352	9,304	8,950	8,970	23.6	26.6
Industrial .....	11,239	12,364	12,897	13,625	13,893	13,820	13,445	13,180	40.4	39.0
Other .....	598	NA	NA	NA	NA	NA	NA	NA	2.2	--
Transportation.....	NA	NA	8	8	8	8	8	8	--	*
All Sectors .....	27,792	31,312	32,501	34,586	35,643	35,192	34,284	33,773	100.0	100.0
<b>Retail Revenue (million dollars).....</b>										
Residential .....	685	1,034	1,130	1,327	1,464	1,439	1,527	1,436	39.9	43.7
Commercial .....	441	752	808	908	944	937	953	878	25.7	26.7
Industrial .....	560	895	994	1,094	1,151	1,103	1,072	972	32.7	29.6
Other .....	29	NA	NA	NA	NA	NA	NA	NA	1.7	--
Transportation.....	NA	NA	1	1	1	1	1	1	--	*
All Sectors .....	1,715	2,681	2,932	3,330	3,559	3,479	3,553	3,286	100.0	100.0
<b>Average Retail Prices (cents/kWh) .....</b>										
Residential .....	7.28	9.69	10.20	11.08	11.82	11.93	12.86	12.36	--	--
Commercial .....	6.74	9.08	9.48	10.12	10.09	10.07	10.64	9.78	--	--
Industrial .....	4.98	7.24	7.71	8.03	8.28	7.98	7.97	7.37	--	--
Other .....	4.77	NA	NA	NA	NA	NA	NA	NA	--	--
Transportation.....	NA	NA	9.34	9.89	9.98	9.47	9.95	9.40	--	--
All Sectors .....	6.17	8.56	9.02	9.63	9.99	9.89	10.36	9.73	--	--

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, 2010**

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
<b>Nevada</b>								
Number of Entities.....	2	8	1	8	1	2	2	24
Number of Retail Customers .....	1,151,085	28,868	6	36,469	1	47	NA	1,216,476
Retail Sales (thousand megawatthours).....	28,422	2,034	29	1,833	32	1,424	NA	33,773
Percentage of Retail Sales .....	84.16	6.02	0.09	5.43	0.09	4.22	--	100.00
Revenue from Retail Sales (million dollars) .....	2,959	123	*	122	1	76	5	3,286
Percentage of Revenue .....	90.05	3.75	0.01	3.72	0.02	2.31	0.15	100.00
Average Retail Price (cents/kWh).....	10.41	6.05	1.07	6.66	2.22	5.34	0.34	9.73

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: 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. "Non-utility" sales represent direct electricity transactions from independent generators to end use consumers. Totals may not equal sum of components because of independent rounding.

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



**Table 10. Supply and Disposition of Electricity, 2000 and 2004 Through 2010**  
(Million Kilowatthours)

Category	2000	2004	2005	2006	2007	2008	2009	2010
<b>Nevada</b>								
<b>Supply</b> .....								
<b>Generation</b> .....								
Electric Utilities .....	29,342	24,246	24,112	19,686	22,377	22,979	26,095	23,711
Independent Power Producers .....	3,691	11,022	13,955	9,546	7,624	9,872	9,393	9,015
Combined Heat and Power, Electric .....	2,453	2,399	2,146	2,282	2,257	1,900	2,013	2,157
<b>Electric Power Sector Generation Subtotal</b> .....	<b>35,485</b>	<b>37,667</b>	<b>40,214</b>	<b>31,515</b>	<b>32,257</b>	<b>34,751</b>	<b>37,500</b>	<b>34,883</b>
Combined Heat and Power, Commercial .....	-	-	-	-	-	-	-	62
Combined Heat and Power, Industrial .....	-	-	-	345	412	339	205	201
<b>Industrial and Commercial Generation Subtotal</b> .....	<b>-</b>	<b>-</b>	<b>-</b>	<b>345</b>	<b>412</b>	<b>339</b>	<b>205</b>	<b>263</b>
<b>Total Net Generation</b> .....	<b>35,485</b>	<b>37,667</b>	<b>40,214</b>	<b>31,860</b>	<b>32,670</b>	<b>35,090</b>	<b>37,705</b>	<b>35,146</b>
<b>Total International Imports</b> .....	<b>-</b>	<b>203</b>	<b>288</b>	<b>157</b>	<b>344</b>	<b>102</b>	<b>37</b>	<b>38</b>
<b>Total Supply</b> .....	<b>35,485</b>	<b>37,870</b>	<b>40,502</b>	<b>32,017</b>	<b>33,013</b>	<b>35,192</b>	<b>37,742</b>	<b>35,184</b>
<b>Disposition</b> .....								
<b>Retail Sales</b> .....								
Full Service Providers .....	27,792	31,311	32,326	33,330	34,344	33,824	32,773	32,317
Energy-Only Providers .....	-	2	175	1,256	1,299	1,336	1,479	1,424
Facility Direct Retail Sales <sup>1</sup> .....	-	-	-	-	-	33	32	32
<b>Total Electric Industry Retail Sales</b> .....	<b>27,792</b>	<b>31,312</b>	<b>32,501</b>	<b>34,586</b>	<b>35,643</b>	<b>35,192</b>	<b>34,284</b>	<b>33,773</b>
<b>Direct Use</b> .....	<b>203</b>	<b>233</b>	<b>587</b>	<b>893</b>	<b>15</b>	<b>47</b>	<b>13</b>	<b>84</b>
<b>Total International Exports</b> .....	<b>-</b>	<b>15</b>	<b>43</b>	<b>67</b>	<b>43</b>	<b>67</b>	<b>72</b>	<b>38</b>
<b>Estimated Losses</b> .....	<b>1,978</b>	<b>1,659</b>	<b>1,670</b>	<b>2,096</b>	<b>2,340</b>	<b>1,152</b>	<b>1,703</b>	<b>1,522</b>
<b>Net Interstate Trade</b> <sup>2</sup> .....	<b>5,512</b>	<b>4,652</b>	<b>5,701</b>	<b>-5,625</b>	<b>-5,028</b>	<b>-1,266</b>	<b>1,671</b>	<b>-231</b>
<b>Total Disposition</b> .....	<b>35,485</b>	<b>37,870</b>	<b>40,502</b>	<b>32,017</b>	<b>33,013</b>	<b>35,192</b>	<b>37,742</b>	<b>35,184</b>
<b>Net Trade Index (ratio)</b> <sup>3</sup> .....	<b>1.18</b>	<b>1.14</b>	<b>1.16</b>	<b>0.85</b>	<b>0.87</b>	<b>0.97</b>	<b>1.05</b>	<b>0.99</b>

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

<sup>2</sup> Net Interstate Trade = Total Supply - (Total Electric Industry Retail Sales + Direct Use + Total International Exports (if applies) + Estimated Losses).

<sup>3</sup> Net Trade Index is the sum of Total Supply / (Total Disposition - Net Interstate Trade).

- (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. Beginning with publication year 2010, Total disposition has been reorganized to include Net Interstate Trade. Therefore, Total Disposition equals Total Supply.

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. 2010 Summary Statistics**

Item	Value	U.S. Rank
<b>New Hampshire</b>		
NERC Region(s).....		NPCC
Primary Energy Source.....		Nuclear
<b>Net Summer Capacity (megawatts) .....</b>	<b>4,180</b>	<b>43</b>
Electric Utilities.....	1,132	41
Independent Power Producers & Combined Heat and Power.....	3,048	32
<b>Net Generation (megawatthours).....</b>	<b>22,195,912</b>	<b>42</b>
Electric Utilities.....	3,979,333	41
Independent Power Producers & Combined Heat and Power.....	18,216,579	19
<b>Emissions (thousand metric tons) .....</b>		
Sulfur Dioxide .....	34	32
Nitrogen Oxide.....	6	46
Carbon Dioxide.....	5,551	43
Sulfur Dioxide (lbs/MWh) .....	3.4	17
Nitrogen Oxide (lbs/MWh) .....	0.6	46
Carbon Dioxide (lbs/MWh).....	551	47
<b>Total Retail Sales (megawatthours) .....</b>	<b>10,890,074</b>	<b>47</b>
Full Service Provider Sales (megawatthours) .....	7,712,938	45
Energy-Only Provider Sales (megawatthours).....	3,177,136	14
<b>Direct Use (megawatthours) .....</b>	<b>66,936</b>	<b>44</b>
<b>Average Retail Price (cents/kWh).....</b>	<b>14.84</b>	<b>4</b>

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, 2010**

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
<b>New Hampshire</b>			
1. Seabrook .....	Nuclear	NextEra Energy Seabrook LLC	1,247
2. Granite Ridge.....	Gas	Granite Ridge Energy LLC	678
3. NAEA Newington Power .....	Gas	NAEA Newington Energy LLC	525
4. Merrimack .....	Coal	Public Service Co of NH	485
5. Newington .....	Gas	Public Service Co of NH	400
6. S C Moore.....	Hydroelectric	TransCanada Hydro Northeast Inc.,	194
7. Schiller.....	Coal	Public Service Co of NH	156
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, 2010**  
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
1. Public Service Co of NH.....	Investor-Owned	5,419,726	3,169,092	1,941,990	308,644	-
2. Unitil Energy Systems.....	Investor-Owned	838,611	500,110	276,337	62,164	-
3. Constellation NewEnergy, Inc.....	Other Provider	834,064	-	514,698	319,366	-
4. New Hampshire Elec Coop Inc.....	Cooperative	657,104	441,564	172,464	43,076	-
5. TransCanada Power Mktg Ltd.....	Other Provider	624,905	-	-	624,905	-
Total Sales, Top Five Providers.....		8,374,410	4,110,766	2,905,489	1,358,155	-
Percent of Total State Sales.....		77	92	65	70	-

- (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, 2000 and 2004 Through 2010**  
(Megawatts)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>New Hampshire</b>										
<b>Electric Utilities.....</b>	<b>2,290</b>	<b>1,121</b>	<b>1,121</b>	<b>1,116</b>	<b>1,121</b>	<b>1,125</b>	<b>1,118</b>	<b>1,132</b>	<b>80.2</b>	<b>27.1</b>
Coal.....	575	575	575	528	528	528	528	546	20.1	13.1
Petroleum.....	489	482	482	482	482	482	482	482	17.1	11.5
Nuclear.....	1,161	-	-	-	-	-	-	-	40.7	-
Hydroelectric.....	64	64	64	68	65	69	64	60	2.2	1.4
Other Renewables <sup>1</sup> .....	-	-	-	37	46	46	43	43	-	1.0
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>566</b>	<b>3,149</b>	<b>3,200</b>	<b>3,224</b>	<b>3,159</b>	<b>3,049</b>	<b>3,047</b>	<b>3,048</b>	<b>19.8</b>	<b>72.9</b>
Petroleum.....	24	46	47	47	20	20	18	18	0.8	0.4
Natural Gas.....	19	1,354	1,354	1,354	1,341	1,205	1,198	1,215	0.7	29.1
Nuclear.....	-	1,159	1,220	1,244	1,245	1,245	1,247	1,247	-	29.8
Hydroelectric.....	379	454	443	443	429	431	434	429	13.3	10.3
Other Renewables <sup>1</sup> .....	144	136	136	136	124	148	150	139	5.0	3.3
<b>Total Electric Industry.....</b>	<b>2,855</b>	<b>4,270</b>	<b>4,321</b>	<b>4,340</b>	<b>4,280</b>	<b>4,174</b>	<b>4,165</b>	<b>4,180</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	575	575	575	528	528	528	528	546	20.1	13.1
Petroleum.....	513	528	529	529	503	503	501	501	18.0	12.0
Natural Gas.....	19	1,354	1,354	1,354	1,341	1,205	1,198	1,215	0.7	29.1
Nuclear.....	1,161	1,159	1,220	1,244	1,245	1,245	1,247	1,247	40.7	29.8
Hydroelectric.....	443	518	507	512	494	500	498	489	15.5	11.7
Other Renewables <sup>1</sup> .....	144	136	136	173	169	193	193	182	5.0	4.4

<sup>1</sup> Other Renewables includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

- (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, 2000 and 2004 Through 2010**  
(Megawatthours)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>New Hampshire</b>										
<b>Electric Utilities.....</b>	<b>12,701,500</b>	<b>6,169,110</b>	<b>5,638,000</b>	<b>4,574,520</b>	<b>4,887,753</b>	<b>4,348,148</b>	<b>3,788,395</b>	<b>3,979,333</b>	<b>84.5</b>	<b>17.9</b>
Coal.....	3,965,476	4,076,075	4,072,987	3,885,433	3,927,415	3,450,770	2,885,668	3,082,643	26.4	13.9
Petroleum.....	409,661	1,770,459	1,187,323	230,474	302,952	111,375	148,562	51,276	2.7	0.2
Natural Gas.....	76,789	78	1,114	61,054	14,104	5,992	34,798	175,205	0.5	0.8
Nuclear.....	7,921,880	-	-	-	-	-	-	-	52.7	-
Hydroelectric.....	327,694	322,498	376,576	342,231	325,226	396,042	401,855	327,960	2.2	1.5
Other Renewables <sup>1</sup> .....	-	-	-	55,328	318,056	383,970	317,511	342,249	-	1.5
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>2,329,999</b>	<b>17,706,677</b>	<b>18,832,013</b>	<b>17,489,175</b>	<b>18,389,418</b>	<b>18,528,843</b>	<b>16,375,727</b>	<b>18,216,579</b>	<b>15.5</b>	<b>82.1</b>
Petroleum.....	61,667	189,993	169,821	208,719	81,844	24,907	34,519	20,405	0.4	0.1
Natural Gas.....	62,154	5,399,687	6,783,621	5,945,552	5,739,910	7,067,359	5,307,559	5,189,631	0.4	23.4
Nuclear.....	-	10,177,573	9,455,885	9,397,856	10,763,884	9,350,314	8,816,673	10,910,055	-	49.2
Hydroelectric.....	1,099,520	993,258	1,422,327	1,186,679	940,003	1,237,182	1,278,637	1,149,623	7.3	5.2
Other Renewables <sup>1</sup> .....	1,106,658	883,251	941,897	691,052	805,216	791,014	880,425	889,970	7.4	4.0
Other <sup>2</sup> .....	-	62,915	58,462	59,317	58,561	58,068	57,915	56,896	-	0.3
<b>Total Electric Industry.....</b>	<b>15,031,499</b>	<b>23,875,787</b>	<b>24,470,013</b>	<b>22,063,695</b>	<b>23,277,171</b>	<b>22,876,992</b>	<b>20,164,122</b>	<b>22,195,912</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	3,965,476	4,076,075	4,072,987	3,885,433	3,927,415	3,450,770	2,885,668	3,082,643	26.4	13.9
Petroleum.....	471,328	1,960,452	1,357,144	439,193	384,795	136,281	183,081	71,681	3.1	0.3
Natural Gas.....	138,943	5,399,765	6,784,735	6,006,606	5,754,015	7,073,351	5,342,357	5,364,836	0.9	24.2
Nuclear.....	7,921,880	10,177,573	9,455,885	9,397,856	10,763,884	9,350,314	8,816,673	10,910,055	52.7	49.2
Hydroelectric.....	1,427,214	1,315,756	1,798,903	1,528,910	1,265,229	1,633,224	1,680,492	1,477,583	9.5	6.7
Other Renewables <sup>1</sup> .....	1,106,658	883,251	941,897	746,380	1,123,272	1,174,984	1,197,936	1,232,218	7.4	5.6
Other <sup>2</sup> .....	-	62,915	58,462	59,317	58,561	58,068	57,915	56,896	-	0.3

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>2</sup> Other includes non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

- (dash) = Data not available.

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

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, 2000 and 2004 Through 2010**

Fuel, Quality	2000	2004	2005	2006	2007	2008	2009	2010
<b>New Hampshire</b>								
Coal (cents per million Btu) .....	148	202	244	256	290	353	366	380
Average heat value (Btu per pound).....	13,114	13,199	13,087	13,196	13,109	12,886	12,849	12,922
Average sulfur Content (percent) .....	1.34	1.16	1.32	1.29	1.51	1.20	1.44	1.44
Petroleum (cents per million Btu) <sup>1</sup> .....	345	W	W	782	W	1,069	W	1,345
Average heat value (Btu per gallon).....	153,740	152,883	154,024	155,071	152,450	152,379	151,240	146,800
Average sulfur Content (percent) .....	1.60	1.39	1.15	1.01	0.86	0.87	0.88	0.55
Natural Gas (cents per million Btu).....	315	W	W	W	W	W	W	533
Average heat value (Btu per cubic foot).....	1,069	1,045	1,044	1,043	1,056	1,049	1,035	1,039

<sup>1</sup> 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, 2000 and 2004 Through 2010 (Thousand Metric Tons)**

Emission Type	2000	2004	2005	2006	2007	2008	2009	2010
<b>New Hampshire</b>								
<b>Sulfur Dioxide .....</b>								
Coal.....	42	34	37	35	36	33	29	33
Petroleum.....	5	17	9	2	3	1	1	1
Natural Gas .....	*	*	*	*	*	*	*	*
Other Renewables <sup>1</sup> .....	*	1	*	*	*	*	*	*
Other <sup>2</sup> .....	*	*	*	*	*	*	*	*
Total.....	48	52	47	37	39	34	31	34
<b>Nitrogen Oxide .....</b>								
Coal.....	7	5	6	6	4	4	3	4
Petroleum.....	1	3	2	1	1	*	*	*
Natural Gas .....	1	1	1	1	*	*	*	*
Other Renewables <sup>1</sup> .....	3	2	2	1	1	2	1	2
Other <sup>2</sup> .....	1	*	*	*	*	*	*	*
Total.....	13	12	11	9	7	6	5	6
<b>Carbon Dioxide .....</b>								
Coal.....	4,096	4,047	4,109	4,169	4,179	3,752	3,063	3,154
Petroleum.....	505	1,844	1,340	437	379	181	217	114
Natural Gas .....	200	2,241	2,679	2,410	2,244	2,734	2,111	2,169
Other Renewables <sup>1</sup> .....	-	-	-	-	-	-	-	64
Other <sup>2</sup> .....	105	113	113	114	110	115	116	51
Total.....	4,906	8,246	8,240	7,130	6,912	6,782	5,507	5,551

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, and other biomass.

<sup>2</sup> Other includes non-biogenic municipal solid waste, tire-derived fuels, and miscellaneous technologies.

\* = 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.

Note: CO2 emissions for the historical years 1998 - 2008 have been revised due to changes in emission factors.

Sources: Calculations made by the Electric Power Systems and Reliability Team; Office of Electricity, Renewables, and Uranium Statistics; U. S. Energy Information Administration.

**Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 2000 and 2004 Through 2010**

Sector	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>New Hampshire</b>										
<b>Retail Sales (thousand megawatthours) .....</b>										
Residential .....	3,656	4,282	4,495	4,401	4,493	4,394	4,422	4,485	36.0	41.2
Commercial .....	3,774	4,363	4,576	4,563	4,570	4,518	4,441	4,462	37.2	41.0
Industrial .....	2,597	2,328	2,174	2,131	2,173	2,065	1,836	1,942	25.6	17.8
Other .....	131	NA	NA	NA	NA	NA	NA	NA	1.3	--
All Sectors .....	10,159	10,973	11,245	11,094	11,236	10,977	10,698	10,890	100.0	100.0
<b>Retail Revenue (million dollars) .....</b>										
Residential .....	481	535	607	646	668	689	719	732	42.1	45.3
Commercial .....	408	480	552	642	636	647	646	636	35.7	39.4
Industrial .....	238	233	249	248	267	272	254	248	20.8	15.3
Other .....	16	NA	NA	NA	NA	NA	NA	NA	1.4	--
All Sectors .....	1,143	1,248	1,408	1,536	1,571	1,608	1,619	1,616	100.0	100.0
<b>Average Retail Prices (cents/kWh) .....</b>										
Residential .....	13.15	12.49	13.51	14.68	14.88	15.68	16.26	16.32	--	--
Commercial .....	10.81	10.99	12.06	14.07	13.91	14.32	14.55	14.26	--	--
Industrial .....	9.17	10.01	11.48	11.62	12.27	13.17	13.83	12.75	--	--
Other .....	12.41	NA	NA	NA	NA	NA	NA	NA	--	--
All Sectors .....	11.25	11.37	12.53	13.84	13.98	14.65	15.13	14.84	--	--

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, 2010**

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
<b>New Hampshire</b>								
Number of Entities .....	3	5	NA	1	2	9	4	24
Number of Retail Customers .....	605,307	12,082	NA	77,847	3	10,279	NA	705,518
Retail Sales (thousand megawatthours) .....	6,871	179	NA	657	6	3,177	NA	10,890
Percentage of Retail Sales .....	63.10	1.64	--	6.03	0.05	29.17	--	100.00
Revenue from Retail Sales (million dollars) .....	1,045	26	NA	120	2	262	160	1,616
Percentage of Revenue .....	64.70	1.62	--	7.44	0.13	16.22	9.90	100.00
Average Retail Price (cents/kWh) .....	15.22	14.63	NA	18.28	35.66	8.25	5.04	14.84

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Data are shown for All Sectors. Full Service Providers sell bundled electricity services (e.g., both energy and delivery) to end users. Full Service Providers may purchase electricity from others (such as independent Power Producers or other full service providers) prior to delivery. Other Providers sell either the energy or the delivery services, but not both. Sales volumes and customer counts shown for Other Providers refer to delivered electricity, which is a joint activity of both energy and delivery providers; for clarity, they are reported only in the Energy column in this table. The revenue shown under Other Providers represents the revenue realized from the sale of the energy and the delivery services distinctly. "Public" entities include municipalities, State power agencies, and municipal marketing authorities. Federal entities are either owned or financed by the Federal Government. "Cooperatives" are electric utilities legally established to be owned by and operated for the benefit of those using its services. The cooperative will generate, transmit and/or distribute supplies of electric energy to a specified area not being serviced by another utility. "Non-utility" sales represent direct electricity transactions from independent generators to end use consumers. Totals may not equal sum of components because of independent rounding.

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

**Table 10. Supply and Disposition of Electricity, 2000 and 2004 Through 2010**  
(Million Kilowatthours)

Category	2000	2004	2005	2006	2007	2008	2009	2010
<b>New Hampshire</b>								
<b>Supply</b> .....								
<b>Generation</b> .....								
Electric Utilities .....	12,702	6,169	5,638	4,575	4,888	4,348	3,788	3,979
Independent Power Producers .....	1,861	17,315	18,438	17,297	18,237	18,471	16,314	18,163
Combined Heat and Power, Electric .....	86	-	-	-	-	-	-	-
<b>Electric Power Sector Generation Subtotal</b> .....	<b>14,648</b>	<b>23,484</b>	<b>24,076</b>	<b>21,872</b>	<b>23,125</b>	<b>22,819</b>	<b>20,103</b>	<b>22,143</b>
Combined Heat and Power, Commercial .....	30	33	30	25	28	18	27	20
Combined Heat and Power, Industrial.....	354	358	364	167	124	40	35	34
<b>Industrial and Commercial Generation Subtotal</b> .....	<b>383</b>	<b>392</b>	<b>394</b>	<b>192</b>	<b>152</b>	<b>58</b>	<b>62</b>	<b>53</b>
<b>Total Net Generation</b> .....	<b>15,031</b>	<b>23,876</b>	<b>24,470</b>	<b>22,064</b>	<b>23,277</b>	<b>22,877</b>	<b>20,164</b>	<b>22,196</b>
<b>Total International Imports</b> .....	<b>1,947</b>	<b>452</b>	<b>576</b>	<b>583</b>	<b>794</b>	<b>939</b>	<b>1,102</b>	<b>698</b>
<b>Total Supply</b> .....	<b>16,979</b>	<b>24,328</b>	<b>25,046</b>	<b>22,647</b>	<b>24,071</b>	<b>23,816</b>	<b>21,266</b>	<b>22,894</b>
<b>Disposition</b> .....								
<b>Retail Sales</b> .....								
Full Service Providers .....	9,976	10,848	11,111	10,045	9,820	10,101	8,765	7,707
Energy-Only Providers.....	183	110	123	1,046	1,404	871	1,922	3,177
Facility Direct Retail Sales <sup>1</sup> .....	-	15	11	4	12	6	11	6
<b>Total Electric Industry Retail Sales</b> .....	<b>10,159</b>	<b>10,973</b>	<b>11,245</b>	<b>11,094</b>	<b>11,236</b>	<b>10,977</b>	<b>10,698</b>	<b>10,890</b>
<b>Direct Use</b> .....	<b>442</b>	<b>456</b>	<b>216</b>	<b>125</b>	<b>117</b>	<b>51</b>	<b>83</b>	<b>67</b>
<b>Total International Exports</b> .....	<b>362</b>	<b>28</b>	<b>75</b>	<b>106</b>	<b>174</b>	<b>74</b>	<b>71</b>	<b>60</b>
<b>Estimated Losses</b> .....	<b>723</b>	<b>618</b>	<b>668</b>	<b>695</b>	<b>798</b>	<b>757</b>	<b>475</b>	<b>670</b>
<b>Net Interstate Trade</b> <sup>2</sup> .....	<b>5,292</b>	<b>12,252</b>	<b>12,843</b>	<b>10,627</b>	<b>11,745</b>	<b>11,956</b>	<b>9,939</b>	<b>11,207</b>
<b>Total Disposition</b> .....	<b>16,979</b>	<b>24,328</b>	<b>25,046</b>	<b>22,647</b>	<b>24,071</b>	<b>23,816</b>	<b>21,266</b>	<b>22,894</b>
<b>Net Trade Index (ratio)</b> <sup>3</sup> .....	<b>1.45</b>	<b>2.01</b>	<b>2.05</b>	<b>1.88</b>	<b>1.95</b>	<b>2.01</b>	<b>1.88</b>	<b>1.96</b>

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

<sup>2</sup> Net Interstate Trade = Total Supply - (Total Electric Industry Retail Sales + Direct Use + Total International Exports (if applies) + Estimated Losses).

<sup>3</sup> Net Trade Index is the sum of Total Supply / (Total Disposition - Net Interstate Trade).

- (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. Beginning with publication year 2010, Total disposition has been reorganized to include Net Interstate Trade. Therefore, Total Disposition equals Total Supply.

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. 2010 Summary Statistics**

Item	Value	U.S. Rank
<b>New Jersey</b>		
NERC Region(s).....		RFC
Primary Energy Source.....		Nuclear
Net Summer Capacity (megawatts) .....	<b>18,424</b>	<b>22</b>
Electric Utilities.....	460	43
Independent Power Producers & Combined Heat and Power.....	17,964	6
Net Generation (megawatthours).....	<b>65,682,494</b>	<b>23</b>
Electric Utilities.....	-186,385	50
Independent Power Producers & Combined Heat and Power.....	65,868,878	6
Emissions (thousand metric tons) .....		
Sulfur Dioxide .....	14	40
Nitrogen Oxide.....	15	41
Carbon Dioxide.....	19,160	37
Sulfur Dioxide (lbs/MWh) .....	0.5	45
Nitrogen Oxide (lbs/MWh) .....	0.5	48
Carbon Dioxide (lbs/MWh).....	643	43
Total Retail Sales (megawatthours).....	<b>79,179,427</b>	<b>20</b>
Full Service Provider Sales (megawatthours) .....	50,482,035	25
Energy-Only Provider Sales (megawatthours).....	28,697,392	6
Direct Use (megawatthours) .....	<b>963,418</b>	<b>28</b>
Average Retail Price (cents/kWh).....	<b>14.68</b>	<b>6</b>

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, 2010**

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
<b>New Jersey</b>			
1. PSEG Salem Generating Station .....	Nuclear	PSEG Nuclear LLC	2,370
2. PSEG Linden Generating Station.....	Gas	PSEG Fossil LLC	1,587
3. Bergen Generating Station .....	Gas	PSEG Fossil LLC	1,199
4. PSEG Hope Creek Generating Station .....	Nuclear	PSEG Nuclear LLC	1,161
5. PSEG Hudson Generating Station.....	Coal	PSEG Fossil LLC	930
6. Linden Cogen Plant .....	Gas	Cogen Technologies Linden Vent	897
7. AES Red Oak LLC.....	Gas	AES Red Oak LLC	766
8. PSEG Mercer Generating Station.....	Coal	PSEG Fossil LLC	747
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, 2010**  
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
1. Public Service Elec & Gas Co.....	Investor-Owned	26,613,454	14,038,598	11,501,474	1,073,382	-
2. Jersey Central Power & Lt Co.....	Investor-Owned	14,392,535	9,842,598	4,132,015	417,922	-
3. Atlantic City Electric Co.....	Investor-Owned	6,644,893	4,623,795	1,870,936	150,162	-
4. Hess Retail Natural Gas and Elec. Acctg.....	Other Provider	4,976,370	-	2,355,541	2,551,836	68,993
5. Constellation NewEnergy, Inc.....	Other Provider	4,910,187	12,515	4,010,485	786,639	100,548
Total Sales, Top Five Providers.....		57,537,439	28,517,506	23,870,451	4,979,941	169,541
Percent of Total State Sales.....		73	94	59	59	53

- (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, 2000 and 2004 Through 2010**  
(Megawatts)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Electric Utilities.....</b>	<b>1,244</b>	<b>1,005</b>	<b>1,005</b>	<b>1,005</b>	<b>558</b>	<b>477</b>	<b>466</b>	<b>460</b>	<b>7.5</b>	<b>2.5</b>
Coal.....	387	307	307	307	23	23	23	-	2.3	-
Petroleum.....	286	232	232	232	69	54	43	49	1.7	0.3
Natural Gas.....	171	66	66	66	66	-	-	-	1.0	-
Other Renewables <sup>1</sup> .....	-	-	-	-	-	-	-	11	-	0.1
Pumped Storage.....	400	400	400	400	400	400	400	400	2.4	2.2
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>15,322</b>	<b>17,159</b>	<b>16,531</b>	<b>17,966</b>	<b>17,794</b>	<b>18,031</b>	<b>18,033</b>	<b>17,964</b>	<b>92.5</b>	<b>97.5</b>
Coal.....	1,701	1,817	1,770	1,817	2,031	2,031	2,042	2,036	10.3	11.1
Petroleum.....	1,945	2,582	1,550	1,578	1,276	1,460	1,319	1,302	11.7	7.1
Natural Gas.....	7,554	8,545	8,992	10,319	10,232	10,159	10,288	10,244	45.6	55.6
Other Gases <sup>2</sup> .....	47	21	21	44	44	44	44	44	0.3	0.2
Nuclear.....	3,862	3,972	3,984	3,984	3,984	4,108	4,108	4,108	23.3	22.3
Hydroelectric.....	13	12	3	5	4	4	6	4	0.1	*
Other Renewables <sup>1</sup> .....	200	200	200	208	211	215	215	215	1.2	1.2
Other <sup>3</sup> .....	-	11	11	11	11	11	11	11	-	0.1
<b>Total Electric Industry.....</b>	<b>16,566</b>	<b>18,164</b>	<b>17,536</b>	<b>18,971</b>	<b>18,352</b>	<b>18,508</b>	<b>18,499</b>	<b>18,424</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	2,088	2,124	2,077	2,124	2,054	2,054	2,065	2,036	12.6	11.1
Petroleum.....	2,231	2,814	1,782	1,810	1,345	1,514	1,362	1,351	13.5	7.3
Natural Gas.....	7,725	8,611	9,058	10,385	10,298	10,159	10,288	10,244	46.6	55.6
Other Gases <sup>2</sup> .....	47	21	21	44	44	44	44	44	0.3	0.2
Nuclear.....	3,862	3,972	3,984	3,984	3,984	4,108	4,108	4,108	23.3	22.3
Hydroelectric.....	13	12	3	5	4	4	6	4	0.1	*
Other Renewables <sup>1</sup> .....	200	200	200	208	211	215	215	226	1.2	1.2
Pumped Storage.....	400	400	400	400	400	400	400	400	2.4	2.2
Other <sup>3</sup> .....	-	11	11	11	11	11	11	11	-	0.1

<sup>1</sup> Other Renewables includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>2</sup> Other gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

<sup>3</sup> Other includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

\* = 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, 2000 and 2004 Through 2010**  
(Megawatthours)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>New Jersey</b>										
<b>Electric Utilities.....</b>	<b>25,254,292</b>	<b>1,648,908</b>	<b>1,248,594</b>	<b>1,042,511</b>	<b>-191,300</b>	<b>-206,308</b>	<b>-186,672</b>	<b>-186,385</b>	<b>43.5</b>	<b>-0.3</b>
Coal.....	5,317,916	1,800,845	1,376,852	1,213,235	51,331	39,614	12,392	-	9.2	-
Petroleum.....	295,097	98,826	122,098	98,605	8,841	13,938	2,650	7,005	0.5	*
Natural Gas.....	1,610,650	36,476	32,351	29,272	17,462	14,984	-	-	2.8	-
Nuclear.....	18,171,257	-	-	-	-	-	-	-	31.3	-
Other Renewables <sup>1</sup> .....	-	-	-	-	-	-	-	382	-	*
Pumped Storage.....	-140,628	-287,239	-282,707	-298,601	-268,934	-274,845	-201,714	-193,772	-0.2	-0.3
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>32,830,923</b>	<b>54,233,434</b>	<b>59,300,989</b>	<b>59,657,628</b>	<b>62,862,545</b>	<b>63,881,097</b>	<b>61,997,911</b>	<b>65,868,878</b>	<b>56.5</b>	<b>100.3</b>
Coal.....	4,772,199	8,521,639	10,248,567	9,648,690	10,159,339	8,988,877	5,087,476	6,417,891	8.2	9.8
Petroleum.....	790,179	1,326,027	818,365	170,914	443,931	311,374	275,541	227,999	1.4	0.3
Natural Gas.....	14,898,599	15,925,719	15,333,814	15,639,102	18,734,869	20,736,770	20,624,990	24,902,230	25.6	37.9
Other Gases <sup>2</sup> .....	584,734	38,779	64,932	110,265	160,549	158,826	169,730	106,408	1.0	0.2
Nuclear.....	10,406,862	27,081,566	31,391,685	32,567,885	32,010,376	32,194,798	34,327,954	32,771,305	17.9	49.9
Hydroelectric.....	14,036	37,503	31,113	35,436	20,909	25,773	32,081	18,119	*	*
Other Renewables <sup>1</sup> .....	1,364,314	805,832	874,905	916,783	843,578	905,290	959,831	849,672	2.3	1.3
Other <sup>3</sup> .....	-	496,369	537,609	568,551	488,994	559,390	520,308	575,255	-	0.9
<b>Total Electric Industry.....</b>	<b>58,085,215</b>	<b>55,882,342</b>	<b>60,549,583</b>	<b>60,700,139</b>	<b>62,671,245</b>	<b>63,674,789</b>	<b>61,811,239</b>	<b>65,682,494</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	10,090,115	10,322,484	11,625,419	10,861,925	10,210,670	9,028,491	5,099,868	6,417,891	17.4	9.8
Petroleum.....	1,085,276	1,424,853	940,463	269,519	452,771	325,312	278,191	235,004	1.9	0.4
Natural Gas.....	16,509,249	15,962,195	15,366,165	15,668,374	18,752,332	20,751,755	20,624,990	24,902,230	28.4	37.9
Other Gases <sup>2</sup> .....	584,734	38,779	64,932	110,265	160,549	158,826	169,730	106,408	1.0	0.2
Nuclear.....	28,578,119	27,081,566	31,391,685	32,567,885	32,010,376	32,194,798	34,327,954	32,771,305	49.2	49.9
Hydroelectric.....	14,036	37,503	31,113	35,436	20,909	25,773	32,081	18,119	*	*
Other Renewables <sup>1</sup> .....	1,364,314	805,832	874,905	916,783	843,578	905,290	959,831	850,054	2.3	1.3
Pumped Storage.....	-140,628	-287,239	-282,707	-298,601	-268,934	-274,845	-201,714	-193,772	-0.2	-0.3
Other <sup>3</sup> .....	-	496,369	537,609	568,551	488,994	559,390	520,308	575,255	-	0.9

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>2</sup> Other gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

<sup>3</sup> Other includes non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

\* = 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.

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

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, 2000 and 2004 Through 2010**

Fuel, Quality	2000	2004	2005	2006	2007	2008	2009	2010
<b>New Jersey</b>								
Coal (cents per million Btu) .....	139	205	218	273	289	333	401	416
Average heat value (Btu per pound).....	13,153	12,868	12,644	12,770	11,890	12,073	11,491	11,758
Average sulfur Content (percent) .....	1.13	1.58	1.14	1.17	0.88	1.03	0.90	1.05
Petroleum (cents per million Btu) <sup>1</sup> .....	484	602	985	970	1,147	1,547	1,011	1,495
Average heat value (Btu per gallon).....	149,557	135,095	134,802	141,505	136,271	138,217	136,595	139,952
Average sulfur Content (percent) .....	0.50	0.14	0.08	0.19	0.18	0.21	0.19	0.27
Natural Gas (cents per million Btu).....	430	696	963	789	789	1,041	515	552
Average heat value (Btu per cubic foot).....	1,027	1,031	1,024	1,024	1,034	1,032	1,029	1,026

<sup>1</sup> 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, 2000 and 2004 Through 2010**  
(Thousand Metric Tons)

Emission Type	2000	2004	2005	2006	2007	2008	2009	2010
<b>New Jersey</b>								
<b>Sulfur Dioxide</b> .....								
Coal.....	73	47	63	55	45	35	11	14
Petroleum.....	5	2	2	1	1	*	*	*
Natural Gas.....	*	*	*	*	*	*	*	*
Other Gases.....	*	*	*	*	*	*	*	*
Other Renewables <sup>1</sup> .....	*	*	*	*	*	*	*	*
Other <sup>2</sup> .....	3	*	*	*	*	*	*	*
Total.....	82	49	65	56	46	35	12	14
<b>Nitrogen Oxide</b> .....								
Coal.....	27	20	22	16	12	9	5	6
Petroleum.....	1	2	2	1	1	*	*	*
Natural Gas.....	8	7	6	6	5	5	4	5
Other Gases.....	1	*	*	*	*	*	*	*
Other Renewables <sup>1</sup> .....	1	1	1	2	1	1	2	1
Other <sup>2</sup> .....	5	3	3	3	3	3	3	3
Total.....	44	34	35	28	21	20	14	15
<b>Carbon Dioxide</b> .....								
Coal.....	10,668	10,483	11,669	10,814	10,493	9,197	5,613	6,782
Petroleum.....	1,099	1,296	1,007	414	413	295	251	224
Natural Gas.....	9,367	8,934	7,920	8,080	9,141	9,856	9,484	11,437
Other Gases.....	-	71	*	-	-	-	*	*
Other Renewables <sup>1</sup> .....	-	-	-	-	-	-	-	402
Other <sup>2</sup> .....	861	704	696	729	725	749	738	316
Total.....	21,996	21,488	21,292	20,036	20,771	20,097	16,086	19,160

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, and other biomass.

<sup>2</sup> Other includes non-biogenic municipal solid waste, tire-derived fuels, and miscellaneous technologies.

\* = 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.

Note: CO2 emissions for the historical years 1998 - 2008 have been revised due to changes in emission factors.

Sources: Calculations made by the Electric Power Systems and Reliability Team; Office of Electricity, Renewables, and Uranium Statistics; U. S. Energy Information Administration.

**Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 2000 and 2004 Through 2010**

Sector	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>New Jersey</b>										
<b>Retail Sales (thousand megawatthours) .....</b>										
Residential .....	24,547	28,020	29,973	28,622	29,752	29,111	27,833	30,307	35.1	38.3
Commercial .....	33,112	38,074	39,762	39,437	40,876	40,570	39,377	40,123	47.3	50.7
Industrial .....	11,812	11,210	11,862	11,331	11,013	10,537	8,250	8,429	16.9	10.6
Other .....	506	NA	NA	NA	NA	NA	NA	NA	0.7	--
Transportation.....	NA	290	299	291	293	302	320	321	--	0.4
All Sectors .....	69,977	77,593	81,897	79,681	81,934	80,520	75,780	79,179	100.0	100.0
<b>Retail Revenue (million dollars).....</b>										
Residential .....	2,522	3,148	3,518	3,676	4,207	4,560	4,541	5,022	38.1	43.2
Commercial .....	3,027	3,793	4,218	4,583	5,310	5,876	5,447	5,572	45.7	47.9
Industrial .....	1,013	1,012	1,158	1,180	1,110	1,145	975	995	15.3	8.6
Other .....	61	NA	NA	NA	NA	NA	NA	NA	0.9	--
Transportation.....	NA	32	23	28	33	48	40	38	--	0.3
All Sectors .....	6,624	7,984	8,917	9,467	10,660	11,629	11,001	11,627	100.0	100.0
<b>Average Retail Prices (cents/kWh) .....</b>										
Residential .....	10.27	11.23	11.74	12.84	14.14	15.66	16.31	16.57	--	--
Commercial .....	9.14	9.96	10.61	11.62	12.99	14.48	13.83	13.89	--	--
Industrial .....	8.58	9.03	9.76	10.42	10.08	10.86	11.81	11.81	--	--
Other .....	12.11	NA	NA	NA	NA	NA	NA	NA	--	--
Transportation.....	NA	10.94	7.65	9.70	11.14	15.98	12.37	11.91	--	--
All Sectors .....	9.47	10.29	10.89	11.88	13.01	14.44	14.52	14.68	--	--

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, 2010**

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Number of Entities.....	4	9	NA	1	3	24	4	45
Number of Retail Customers .....	3,786,457	63,039	NA	11,674	3	85,320	NA	3,946,493
Retail Sales (thousand megawatthours).....	48,953	1,204	NA	155	170	28,697	NA	79,179
Percentage of Retail Sales .....	61.83	1.52	--	0.20	0.21	36.24	--	100.00
Revenue from Retail Sales (million dollars) .....	7,660	191	NA	18	13	2,601	1,144	11,627
Percentage of Revenue .....	65.88	1.64	--	0.16	0.11	22.37	9.84	100.00
Average Retail Price (cents/kWh).....	15.65	15.89	NA	11.63	7.39	9.06	3.99	14.68

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Data are shown for All Sectors. Full Service Providers sell bundled electricity services (e.g., both energy and delivery) to end users. Full Service Providers may purchase electricity from others (such as independent Power Producers or other full service providers) prior to delivery. Other Providers sell either the energy or the delivery services, but not both. Sales volumes and customer counts shown for Other Providers refer to delivered electricity, which is a joint activity of both energy and delivery providers; for clarity, they are reported only in the Energy column in this table. The revenue shown under Other Providers represents the revenue realized from the sale of the energy and the delivery services distinctly. "Public" entities include municipalities, State power agencies, and municipal marketing authorities. Federal entities are either owned or financed by the Federal Government. "Cooperatives" are electric utilities legally established to be owned by and operated for the benefit of those using its services. The cooperative will generate, transmit and/or distribute supplies of electric energy to a specified area not being serviced by another utility. "Non-utility" sales represent direct electricity transactions from independent generators to end use consumers. Totals may not equal sum of components because of independent rounding.

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

**Table 10. Supply and Disposition of Electricity, 2000 and 2004 Through 2010**  
(Million Kilowatthours)

Category	2000	2004	2005	2006	2007	2008	2009	2010
<b>New Jersey</b>								
<b>Supply</b> .....								
<b>Generation</b> .....								
Electric Utilities .....	25,254	1,649	1,249	1,043	-191	-206	-187	-186
Independent Power Producers .....	15,677	42,169	46,809	48,723	51,439	52,292	52,182	56,686
Combined Heat and Power, Electric .....	14,104	10,705	11,365	9,999	10,653	10,740	8,717	8,041
<b>Electric Power Sector Generation Subtotal</b> .....	<b>55,035</b>	<b>54,523</b>	<b>59,422</b>	<b>59,765</b>	<b>61,901</b>	<b>62,825</b>	<b>60,712</b>	<b>64,540</b>
Combined Heat and Power, Commercial .....	161	106	70	115	81	88	385	402
Combined Heat and Power, Industrial.....	2,889	1,254	1,057	820	690	762	715	740
<b>Industrial and Commercial Generation Subtotal</b> .....	<b>3,050</b>	<b>1,359</b>	<b>1,128</b>	<b>935</b>	<b>771</b>	<b>849</b>	<b>1,100</b>	<b>1,142</b>
<b>Total Net Generation</b> .....	<b>58,085</b>	<b>55,882</b>	<b>60,550</b>	<b>60,700</b>	<b>62,671</b>	<b>63,675</b>	<b>61,811</b>	<b>65,682</b>
<b>Total International Imports</b> .....	-	-	-	-	-	-	-	<b>134</b>
<b>Total Supply</b> .....	<b>58,085</b>	<b>55,882</b>	<b>60,550</b>	<b>60,700</b>	<b>62,671</b>	<b>63,675</b>	<b>61,811</b>	<b>65,817</b>
<b>Disposition</b> .....								
<b>Retail Sales</b> .....								
Full Service Providers .....	62,819	58,768	64,160	62,988	64,479	62,009	54,180	50,312
Energy-Only Providers.....	7,158	18,574	16,553	15,568	16,176	17,080	21,436	28,697
Facility Direct Retail Sales <sup>1</sup> .....	-	252	1,184	1,125	1,279	1,430	163	170
<b>Total Electric Industry Retail Sales</b> .....	<b>69,977</b>	<b>77,593</b>	<b>81,897</b>	<b>79,681</b>	<b>81,934</b>	<b>80,520</b>	<b>75,780</b>	<b>79,179</b>
<b>Direct Use</b> .....	<b>2,389</b>	<b>2,407</b>	<b>2,643</b>	<b>2,210</b>	<b>941</b>	<b>1,312</b>	<b>1,266</b>	<b>963</b>
<b>Total International Exports</b> .....	-	*	-	-	-	-	-	-
<b>Estimated Losses</b> .....	<b>4,980</b>	<b>5,722</b>	<b>6,507</b>	<b>6,080</b>	<b>6,637</b>	<b>5,368</b>	<b>4,364</b>	<b>7,097</b>
<b>Net Interstate Trade</b> <sup>2</sup> .....	<b>-19,262</b>	<b>-29,840<sup>R</sup></b>	<b>-30,497</b>	<b>-27,271</b>	<b>-26,841</b>	<b>-23,525</b>	<b>-19,598</b>	<b>-21,423</b>
<b>Total Disposition</b> .....	<b>58,085</b>	<b>55,882</b>	<b>60,550</b>	<b>60,700</b>	<b>62,671</b>	<b>63,675</b>	<b>61,811</b>	<b>65,817</b>
<b>Net Trade Index (ratio)</b> <sup>3</sup> .....	<b>0.75</b>	<b>0.65</b>	<b>0.67</b>	<b>0.69</b>	<b>0.70</b>	<b>0.73</b>	<b>0.76</b>	<b>0.75</b>

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

<sup>2</sup> Net Interstate Trade = Total Supply - (Total Electric Industry Retail Sales + Direct Use + Total International Exports (if applies) + Estimated Losses).

<sup>3</sup> Net Trade Index is the sum of Total Supply / (Total Disposition - Net Interstate Trade).

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. Beginning with publication year 2010, Total disposition has been reorganized to include Net Interstate Trade. Therefore, Total Disposition equals Total Supply.

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. 2010 Summary Statistics**

Item	Value	U.S. Rank
<b>New Mexico</b>		
NERC Region(s).....		SPP/WECC
Primary Energy Source.....		Coal
Net Summer Capacity (megawatts) .....	<b>8,130</b>	<b>36</b>
Electric Utilities.....	6,345	33
Independent Power Producers & Combined Heat and Power.....	1,785	36
Net Generation (megawatthours).....	<b>36,251,542</b>	<b>37</b>
Electric Utilities.....	30,848,406	33
Independent Power Producers & Combined Heat and Power.....	5,403,136	37
Emissions (thousand metric tons) .....		
Sulfur Dioxide .....	15	38
Nitrogen Oxide .....	56	19
Carbon Dioxide.....	29,379	31
Sulfur Dioxide (lbs/MWh) .....	0.9	42
Nitrogen Oxide (lbs/MWh) .....	3.4	5
Carbon Dioxide (lbs/MWh).....	1,787	11
Total Retail Sales (megawatthours) .....	<b>22,428,344</b>	<b>39</b>
Full Service Provider Sales (megawatthours) .....	22,428,344	38
Direct Use (megawatthours) .....	<b>108,664</b>	<b>41</b>
Average Retail Price (cents/kWh).....	<b>8.40</b>	<b>33</b>

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, 2010**

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
<b>New Mexico</b>			
1. Four Corners .....	Coal	Arizona Public Service Co	2,100
2. San Juan .....	Coal	Public Service Co of NM	1,643
3. Luna Energy Facility .....	Gas	Public Service Co of NM	559
4. Hobbs Generating Station.....	Gas	CAMS NM LLC	526
5. Cunningham.....	Gas	Southwestern Public Service Co	480
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, 2010**  
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
<b>New Mexico</b>						
1. Public Service Co of NM .....	Investor-Owned	9,090,828	3,370,247	4,270,648	1,449,933	-
2. Southwestern Public Service Co .....	Investor-Owned	4,386,304	1,058,246	1,524,821	1,803,237	-
3. El Paso Electric Co .....	Investor-Owned	1,643,411	654,947	922,492	65,972	-
4. City of Farmington .....	Public	1,121,094	271,575	428,750	420,769	-
5. Lea County Electric Coop, Inc .....	Cooperative	781,534	72,461	399,280	309,793	-
Total Sales, Top Five Providers .....		17,023,171	5,427,476	7,545,991	4,049,704	-
Percent of Total State Sales .....		76	80	84	61	-

- (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, 2000 and 2004 Through 2010**  
(Megawatts)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>New Mexico</b>										
<b>Electric Utilities.....</b>	<b>5,250</b>	<b>5,393</b>	<b>5,692</b>	<b>6,223</b>	<b>6,324</b>	<b>6,324</b>	<b>6,344</b>	<b>6,345</b>	<b>93.8</b>	<b>78.0</b>
Coal.....	3,942	3,937	3,957	3,957	3,957	3,957	3,977	3,990	70.4	49.1
Petroleum.....	-	35	35	26	26	26	26	20	-	0.2
Natural Gas.....	1,226	1,339	1,619	2,158	2,259	2,259	2,259	2,253	21.9	27.7
Hydroelectric .....	82	82	82	82	82	82	82	82	1.5	1.0
<b>Independent Power Producers and Combined Heat and Power .....</b>	<b>350</b>	<b>937</b>	<b>788</b>	<b>880</b>	<b>878</b>	<b>1,626</b>	<b>1,649</b>	<b>1,785</b>	<b>6.2</b>	<b>22.0</b>
Petroleum.....	38	10	2	2	2	2	2	4	0.7	0.1
Natural Gas.....	309	656	375	377	375	1,121	1,043	1,044	5.5	12.8
Other Renewables <sup>1</sup> .....	2	270	410	500	500	502	604	736	*	9.1
<b>Total Electric Industry.....</b>	<b>5,600</b>	<b>6,329</b>	<b>6,480</b>	<b>7,102</b>	<b>7,202</b>	<b>7,950</b>	<b>7,993</b>	<b>8,130</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	3,942	3,937	3,957	3,957	3,957	3,957	3,977	3,990	70.4	49.1
Petroleum.....	38	45	37	28	28	28	28	24	0.7	0.3
Natural Gas.....	1,535	1,995	1,994	2,535	2,634	3,381	3,302	3,298	27.4	40.6
Hydroelectric .....	82	82	82	82	82	82	82	82	1.5	1.0
Other Renewables <sup>1</sup> .....	2	270	410	500	500	502	604	736	*	9.1

<sup>1</sup> Other Renewables includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

\* = 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, 2000 and 2004 Through 2010**  
(Megawatthours)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>New Mexico</b>										
<b>Electric Utilities.....</b>	<b>32,855,587</b>	<b>32,242,728</b>	<b>33,561,875</b>	<b>35,411,074</b>	<b>34,033,374</b>	<b>33,844,547</b>	<b>34,245,148</b>	<b>30,848,406</b>	<b>96.6</b>	<b>85.1</b>
Coal.....	29,065,954	29,263,899	29,947,248	29,859,008	27,603,647	27,014,233	29,117,308	25,617,789	85.4	70.7
Petroleum.....	29,529	30,321	32,528	40,634	42,969	52,012	44,599	49,394	0.1	0.1
Natural Gas.....	3,538,952	2,809,561	3,417,106	5,313,221	6,118,780	6,466,013	4,812,278	4,964,213	10.4	13.7
Hydroelectric.....	221,152	138,947	164,993	198,211	267,978	312,288	270,963	217,010	0.7	0.6
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>1,166,433</b>	<b>697,633</b>	<b>1,573,767</b>	<b>1,854,551</b>	<b>1,951,959</b>	<b>3,165,290</b>	<b>5,429,191</b>	<b>5,403,136</b>	<b>3.4</b>	<b>14.9</b>
Petroleum.....	58,582	1,055	4,381	852	1,502	576	14	475	0.2	*
Natural Gas.....	1,099,387	183,113	770,109	576,378	541,224	1,499,993	3,848,795	3,547,870	3.2	9.8
Other Renewables <sup>1</sup> .....	8,464	513,465	799,277	1,277,321	1,409,233	1,661,672	1,580,382	1,854,792	*	5.1
Other <sup>2</sup> .....	-	-	-	-	-	3,049	-	-	-	-
<b>Total Electric Industry.....</b>	<b>34,022,020</b>	<b>32,940,361</b>	<b>35,135,642</b>	<b>37,265,625</b>	<b>35,985,333</b>	<b>37,009,837</b>	<b>39,674,339</b>	<b>36,251,542</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	29,065,954	29,263,899	29,947,248	29,859,008	27,603,647	27,014,233	29,117,308	25,617,789	85.4	70.7
Petroleum.....	88,111	31,376	36,909	41,486	44,471	52,589	44,613	49,869	0.3	0.1
Natural Gas.....	4,638,339	2,992,674	4,187,215	5,889,599	6,660,004	7,966,007	8,661,073	8,512,083	13.6	23.5
Hydroelectric.....	221,152	138,947	164,993	198,211	267,978	312,288	270,963	217,010	0.7	0.6
Other Renewables <sup>1</sup> .....	8,464	513,465	799,277	1,277,321	1,409,233	1,661,672	1,580,382	1,854,792	*	5.1
Other <sup>2</sup> .....	-	-	-	-	-	3,049	-	-	-	-

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>2</sup> Other includes non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

\* = 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.

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

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, 2000 and 2004 Through 2010**

Fuel, Quality	2000	2004	2005	2006	2007	2008	2009	2010
<b>New Mexico</b>								
Coal (cents per million Btu) .....	138	148	151	156	179	199	190	206
Average heat value (Btu per pound).....	9,206	9,225	9,173	9,282	9,198	9,173	9,226	8,963
Average sulfur Content (percent) .....	0.80	0.72	0.79	0.76	0.77	0.75	0.77	0.75
Petroleum (cents per million Btu) <sup>1</sup> .....	758	W	W	W	W	W	W	1,942
Average heat value (Btu per gallon).....	136,000	136,007	136,252	136,024	136,026	134,186	134,086	134,219
Average sulfur Content (percent) .....	0.75	-	0.01	-	0.01	0.04	0.04	0.04
Natural Gas (cents per million Btu).....	388	W	W	W	W	802	W	498
Average heat value (Btu per cubic foot).....	1,016	1,000	1,002	997	1,005	1,022	1,028	1,022

<sup>1</sup> 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, 2000 and 2004 Through 2010 (Thousand Metric Tons)**

Emission Type	2000	2004	2005	2006	2007	2008	2009	2010
<b>New Mexico</b>								
<b>Sulfur Dioxide .....</b>								
Coal.....	63	35	28	28	24	20	17	15
Petroleum.....	*	*	*	*	*	*	*	*
Natural Gas .....	*	*	*	*	*	*	*	*
Total .....	63	35	28	28	24	20	18	15
<b>Nitrogen Oxide .....</b>								
Coal.....	75	65	66	68	62	60	58	52
Petroleum.....	*	*	*	*	*	*	*	*
Natural Gas .....	5	3	4	4	3	4	2	3
Other Renewables <sup>1</sup> .....	*	-	-	*	*	1	*	*
Total .....	80	68	69	72	66	64	61	56
<b>Carbon Dioxide .....</b>								
Coal.....	29,491	29,863	30,694	30,530	28,578	27,023	29,606	25,458
Petroleum.....	74	23	27	30	34	42	35	38
Natural Gas .....	2,947	1,900	2,553	3,024	3,343	3,834	3,861	3,883
Total .....	32,512	31,786	33,274	33,585	31,955	30,899	33,502	29,379

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, and other biomass.

\* = 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.

Note: CO2 emissions for the historical years 1998 - 2008 have been revised due to changes in emission factors.

Sources: Calculations made by the Electric Power Systems and Reliability Team; Office of Electricity, Renewables, and Uranium Statistics; U. S. Energy Information Administration.

**Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 2000 and 2004 Through 2010**

Sector	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>New Mexico</b>										
<b>Retail Sales (thousand megawatthours) .....</b>										
Residential .....	4,937	5,635	5,865	6,009	6,387	6,379	6,504	6,752	26.3	30.1
Commercial .....	6,674	8,239	8,411	8,604	8,932	8,828	8,734	9,016	35.5	40.2
Industrial .....	5,492	5,972	6,363	6,822	6,948	6,831	6,409	6,660	29.2	29.7
Other .....	1,698	NA	NA	NA	NA	NA	NA	NA	9.0	--
All Sectors .....	18,801	19,846	20,639	21,435	22,267	22,038	21,647	22,428	100.0	100.0
<b>Retail Revenue (million dollars) .....</b>										
Residential .....	413	488	536	544	582	638	652	711	33.4	37.7
Commercial .....	471	609	657	655	685	765	734	773	38.1	41.0
Industrial .....	257	312	357	380	389	436	367	400	20.8	21.2
Other .....	96	NA	NA	NA	NA	NA	NA	NA	7.7	--
All Sectors .....	1,237	1,409	1,549	1,579	1,656	1,840	1,752	1,883	100.0	100.0
<b>Average Retail Prices (cents/kWh) .....</b>										
Residential .....	8.36	8.67	9.13	9.06	9.12	10.01	10.02	10.52	--	--
Commercial .....	7.06	7.39	7.81	7.61	7.66	8.67	8.40	8.57	--	--
Industrial .....	4.69	5.22	5.61	5.57	5.60	6.38	5.72	6.01	--	--
Other .....	5.64	NA	NA	NA	NA	NA	NA	NA	--	--
All Sectors .....	6.58	7.10	7.51	7.37	7.44	8.35	8.09	8.40	--	--

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, 2010**

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
<b>New Mexico</b>								
Number of Entities .....	3	8	1	20	NA	NA	NA	32
Number of Retail Customers .....	706,231	84,208	29	206,182	NA	NA	NA	996,650
Retail Sales (thousand megawatthours) .....	15,121	2,164	301	4,843	NA	NA	NA	22,428
Percentage of Retail Sales .....	67.42	9.65	1.34	21.59	--	--	--	100.00
Revenue from Retail Sales (million dollars) .....	1,270	174	5	433	NA	NA	NA	1,883
Percentage of Revenue .....	67.44	9.25	0.29	23.02	--	--	--	100.00
Average Retail Price (cents/kWh) .....	8.40	8.05	1.81	8.95	NA	NA	NA	8.40

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Data are shown for All Sectors. Full Service Providers sell bundled electricity services (e.g., both energy and delivery) to end users. Full Service Providers may purchase electricity from others (such as independent Power Producers or other full service providers) prior to delivery. Other Providers sell either the energy or the delivery services, but not both. Sales volumes and customer counts shown for Other Providers refer to delivered electricity, which is a joint activity of both energy and delivery providers; for clarity, they are reported only in the Energy column in this table. The revenue shown under Other Providers represents the revenue realized from the sale of the energy and the delivery services distinctly. "Public" entities include municipalities, State power agencies, and municipal marketing authorities. Federal entities are either owned or financed by the Federal Government. "Cooperatives" are electric utilities legally established to be owned by and operated for the benefit of those using its services. The cooperative will generate, transmit and/or distribute supplies of electric energy to a specified area not being serviced by another utility. "Non-utility" sales represent direct electricity transactions from independent generators to end use consumers. Totals may not equal sum of components because of independent rounding.

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

**Table 10. Supply and Disposition of Electricity, 2000 and 2004 Through 2010**  
(Million Kilowatthours)

Category	2000	2004	2005	2006	2007	2008	2009	2010
<b>New Mexico</b>								
<b>Supply</b> .....								
<b>Generation</b> .....								
Electric Utilities .....	32,856	32,243	33,562	35,411	34,033	33,845	34,245	30,848
Independent Power Producers .....	185	589	805	1,291	1,404	2,420	4,881	4,912
Combined Heat and Power, Electric .....	520	-	479	479	472	464	477	417
<b>Electric Power Sector Generation Subtotal</b> .....	<b>33,560</b>	<b>32,831</b>	<b>34,846</b>	<b>37,181</b>	<b>35,909</b>	<b>36,729</b>	<b>39,603</b>	<b>36,178</b>
Combined Heat and Power, Commercial .....	52	42	51	49	58	51	71	73
Combined Heat and Power, Industrial.....	410	67	239	35	18	230	*	*
<b>Industrial and Commercial Generation Subtotal</b> .....	<b>462</b>	<b>109</b>	<b>290</b>	<b>85</b>	<b>76</b>	<b>281</b>	<b>71</b>	<b>74</b>
<b>Total Net Generation</b> .....	<b>34,022</b>	<b>32,940</b>	<b>35,136</b>	<b>37,266</b>	<b>35,985</b>	<b>37,010</b>	<b>39,674</b>	<b>36,252</b>
<b>Total International Imports</b> .....	*	79	82	30	37	39	27	41
<b>Total Supply</b> .....	<b>34,022</b>	<b>33,019</b>	<b>35,218</b>	<b>37,296</b>	<b>36,022</b>	<b>37,049</b>	<b>39,702</b>	<b>36,293</b>
<b>Disposition</b> .....								
<b>Retail Sales</b> .....								
Full Service Providers .....	18,786	19,846	20,639	21,435	22,267	22,038	21,647	22,428
Energy-Only Providers.....	15	-	-	-	-	-	-	-
<b>Total Electric Industry Retail Sales</b> .....	<b>18,801</b>	<b>19,846</b>	<b>20,639</b>	<b>21,435</b>	<b>22,267</b>	<b>22,038</b>	<b>21,647</b>	<b>22,428</b>
<b>Direct Use</b> .....	<b>533</b>	<b>446</b>	<b>78</b>	<b>93</b>	<b>83</b>	<b>272</b>	<b>124</b>	<b>109</b>
<b>Total International Exports</b> .....	-	22	98	65	62	118	115	64
<b>Estimated Losses</b> .....	<b>1,338</b>	<b>1,302</b>	<b>1,768</b>	<b>1,853</b>	<b>1,736</b>	<b>1,834</b>	<b>1,966</b>	<b>2,160</b>
<b>Net Interstate Trade</b> <sup>1</sup> .....	<b>13,350</b>	<b>11,403</b>	<b>12,635</b>	<b>13,850</b>	<b>11,875</b>	<b>12,787</b>	<b>15,849</b>	<b>11,531</b>
<b>Total Disposition</b> .....	<b>34,022</b>	<b>33,019</b>	<b>35,218</b>	<b>37,296</b>	<b>36,022</b>	<b>37,049</b>	<b>39,702</b>	<b>36,293</b>
<b>Net Trade Index (ratio)</b> <sup>2</sup> .....	<b>1.65</b>	<b>1.53</b>	<b>1.56</b>	<b>1.59</b>	<b>1.49</b>	<b>1.53</b>	<b>1.66</b>	<b>1.47</b>

<sup>1</sup> Net Interstate Trade = Total Supply - (Total Electric Industry Retail Sales + Direct Use + Total International Exports (if applies) + Estimated Losses).

<sup>2</sup> Net Trade Index is the sum of Total Supply / (Total Disposition - Net Interstate Trade).

\* = 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. Beginning with publication year 2010, Total disposition has been reorganized to include Net Interstate Trade. Therefore, Total Disposition equals Total Supply.

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. 2010 Summary Statistics**

Item	Value	U.S. Rank
<b>New York</b>		
NERC Region(s).....		NPCC
Primary Energy Source.....		Gas
Net Summer Capacity (megawatts) .....	39,357	6
Electric Utilities.....	11,032	25
Independent Power Producers & Combined Heat and Power.....	28,325	5
Net Generation (megawatthours).....	136,961,654	9
Electric Utilities.....	34,633,335	31
Independent Power Producers & Combined Heat and Power.....	102,328,319	5
Emissions (thousand metric tons) .....		
Sulfur Dioxide .....	62	25
Nitrogen Oxide .....	44	28
Carbon Dioxide.....	41,584	22
Sulfur Dioxide (lbs/MWh) .....	1.0	40
Nitrogen Oxide (lbs/MWh) .....	0.7	44
Carbon Dioxide (lbs/MWh).....	669	42
Total Retail Sales (megawatthours).....	144,623,573	7
Full Service Provider Sales (megawatthours) .....	79,119,769	18
Energy-Only Provider Sales (megawatthours).....	65,503,804	2
Direct Use (megawatthours) .....	1,654,901	21
Average Retail Price (cents/kWh).....	16.41	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, 2010**

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
<b>New York</b>			
1. Robert Moses Niagara .....	Hydroelectric	New York Power Authority	2,353
2. Ravenswood.....	Gas	TC Ravenswood LLC	2,330
3. Nine Mile Point Nuclear Station .....	Nuclear	Nine Mile Point Nuclear Sta LLC	1,773
4. Oswego Harbor Power.....	Petroleum	NRG Oswego Harbor Power Operations Inc	1,648
5. Northport .....	Gas	National Grid Generation LLC	1,569
6. Astoria Generating Station .....	Gas	U S Power Generating Company LLC	1,315
7. Roseton Generating Station.....	Gas	Dynegy Northeast Gen Inc	1,212
8. Blenheim Gilboa.....	Pumped Storage	New York Power Authority	1,160
9. Bowline Point .....	Gas	Mirant New York Inc	1,139
10. Athens Generating Plant.....	Gas	New Athens Generating Company LLC	1,138

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, 2010**  
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
1. Consolidated Edison Co-NY Inc .....	Investor-Owned	24,141,995	11,518,155	12,417,399	200,770	5,671
2. Long Island Power Authority .....	Public	19,102,018	9,971,612	8,854,183	-	276,223
3. Niagara Mohawk Power Corp. ....	Investor-Owned	14,907,226	9,542,752	3,873,456	1,490,309	709
4. New York Power Authority.....	Public	13,523,249	-	7,815,379	2,927,292	2,780,578
5. Hess Retail Natural Gas and Elec. Acctg. ....	Other Provider	8,917,178	-	4,351,583	4,565,595	-
Total Sales, Top Five Providers .....		80,591,666	31,032,519	37,312,000	9,183,966	3,063,181
Percent of Total State Sales .....		56	61	48	68	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, 2000 and 2004 Through 2010**  
(Megawatts)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Electric Utilities.....</b>	<b>15,806</b>	<b>11,386</b>	<b>11,927</b>	<b>12,046</b>	<b>12,056</b>	<b>11,784</b>	<b>11,871</b>	<b>11,032</b>	<b>44.4</b>	<b>28.0</b>
Coal.....	668	297	297	297	297	45	45	-	1.9	-
Petroleum.....	5,035	2,642	2,450	2,468	2,465	2,467	2,465	1,607	14.1	4.1
Natural Gas .....	2,227	3,894	4,628	4,628	4,644	4,623	4,629	4,619	6.3	11.7
Other Gases <sup>1</sup> .....	-	-	-	-	-	-	-	45	-	0.1
Nuclear.....	3,223	-	-	-	-	-	-	-	9.1	-
Hydroelectric .....	3,356	3,256	3,256	3,356	3,354	3,353	3,357	3,362	9.4	8.5
Pumped Storage.....	1,297	1,297	1,297	1,297	1,297	1,297	1,374	1,400	3.6	3.6
<b>Independent Power Producers and Combined Heat and Power .....</b>	<b>19,807</b>	<b>26,457</b>	<b>27,195</b>	<b>27,505</b>	<b>27,065</b>	<b>26,936</b>	<b>27,800</b>	<b>28,325</b>	<b>55.6</b>	<b>72.0</b>
Coal.....	3,267	3,904	3,921	3,717	3,273	2,854	2,759	2,781	9.2	7.1
Petroleum.....	1,864	4,766	4,782	4,773	4,821	4,806	4,870	4,814	5.2	12.2
Natural Gas .....	11,449	11,380	11,867	12,189	12,083	11,931	12,253	12,788	32.1	32.5
Other Gases <sup>1</sup> .....	23	-	-	-	-	-	-	-	0.1	-
Nuclear.....	1,790	5,067	5,150	5,156	5,156	5,264	5,262	5,271	5.0	13.4
Hydroelectric .....	1,010	954	951	951	947	947	952	952	2.8	2.4
Other Renewables <sup>2</sup> .....	403	386	525	720	786	1,134	1,704	1,719	1.1	4.4
<b>Total Electric Industry.....</b>	<b>35,613</b>	<b>37,842</b>	<b>39,122</b>	<b>39,550</b>	<b>39,121</b>	<b>38,720</b>	<b>39,671</b>	<b>39,357</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	3,935	4,201	4,218	4,014	3,570	2,899	2,804	2,781	11.0	7.1
Petroleum.....	6,899	7,407	7,231	7,241	7,286	7,273	7,335	6,421	19.4	16.3
Natural Gas .....	13,676	15,274	16,494	16,816	16,727	16,554	16,882	17,407	38.4	44.2
Other Gases <sup>1</sup> .....	23	-	-	-	-	-	-	45	0.1	0.1
Nuclear.....	5,013	5,067	5,150	5,156	5,156	5,264	5,262	5,271	14.1	13.4
Hydroelectric .....	4,366	4,210	4,207	4,307	4,301	4,299	4,310	4,314	12.3	11.0
Other Renewables <sup>2</sup> .....	403	386	525	720	786	1,134	1,704	1,719	1.1	4.4
Pumped Storage.....	1,297	1,297	1,297	1,297	1,297	1,297	1,374	1,400	3.6	3.6

<sup>1</sup> Other gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

<sup>2</sup> Other Renewables includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

- (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, 2000 and 2004 Through 2010**  
(Megawatthours)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>New York</b>										
<b>Electric Utilities.....</b>	<b>73,187,745</b>	<b>40,955,819</b>	<b>39,962,653</b>	<b>41,598,844</b>	<b>40,247,883</b>	<b>38,170,043</b>	<b>35,771,414</b>	<b>34,633,335</b>	<b>53.0</b>	<b>25.3</b>
Coal.....	4,025,614	1,707,414	1,108,151	1,211,432	1,359,061	388,760	66,064	36,723	2.9	*
Petroleum.....	11,449,092	9,159,172	9,769,302	3,927,419	4,449,368	2,200,304	1,336,621	840,660	8.3	0.6
Natural Gas.....	8,968,658	7,210,772	8,113,145	15,424,911	14,300,643	14,549,728	12,259,072	13,396,472	6.5	9.8
Nuclear.....	29,888,320	1,917,259	-	-	-	-	-	-	21.6	-
Hydroelectric.....	19,846,498	21,774,373	21,752,786	21,791,238	20,907,191	21,703,390	22,590,043	20,888,744	14.4	15.3
Pumped Storage.....	-990,437	-813,171	-780,731	-756,156	-768,380	-672,139	-480,387	-529,264	-0.7	-0.4
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>64,891,330</b>	<b>97,008,974</b>	<b>106,924,766</b>	<b>100,666,588</b>	<b>105,630,804</b>	<b>102,152,057</b>	<b>97,379,136</b>	<b>102,328,319</b>	<b>47.0</b>	<b>74.7</b>
Coal.....	20,983,967	21,145,290	19,489,489	19,756,408	20,046,481	18,765,365	12,692,808	13,546,043	15.2	9.9
Petroleum.....	3,496,087	12,046,026	14,243,481	2,850,620	3,745,741	1,545,023	1,311,684	1,164,316	2.5	0.9
Natural Gas.....	30,760,051	20,083,273	23,759,556	26,708,967	31,332,988	29,306,733	29,520,525	35,519,073	22.3	25.9
Other Gases <sup>1</sup> .....	86,201	-	-	-	-	-	-	-	0.1	-
Nuclear.....	1,619,668	38,723,046	42,443,152	42,223,899	42,452,854	43,209,171	43,484,614	41,869,535	1.2	30.6
Hydroelectric.....	5,063,074	2,215,288	4,029,732	5,553,417	4,345,364	5,019,741	5,025,063	4,582,953	3.7	3.3
Other Renewables <sup>2</sup> .....	2,882,282	1,911,676	1,988,449	2,596,641	2,775,084	3,318,657	4,467,008	4,814,548	2.1	3.5
Other <sup>3</sup> .....	-	884,375	970,907	976,636	932,292	987,366	877,433	831,851	-	0.6
<b>Total Electric Industry.....</b>	<b>138,079,075</b>	<b>137,964,794</b>	<b>146,887,419</b>	<b>142,265,432</b>	<b>145,878,687</b>	<b>140,322,100</b>	<b>133,150,550</b>	<b>136,961,654</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	25,009,581	22,852,704	20,597,640	20,967,840	21,405,542	19,154,125	12,758,873	13,582,766	18.1	9.9
Petroleum.....	14,945,179	21,205,198	24,012,783	6,778,039	8,195,109	3,745,328	2,648,306	2,004,975	10.8	1.5
Natural Gas.....	39,728,709	27,294,045	31,872,701	42,133,878	45,633,631	43,856,460	41,779,597	48,915,545	28.8	35.7
Other Gases <sup>1</sup> .....	86,201	-	-	-	-	-	-	-	0.1	-
Nuclear.....	31,507,988	40,640,305	42,443,152	42,223,899	42,452,854	43,209,171	43,484,614	41,869,535	22.8	30.6
Hydroelectric.....	24,909,572	23,989,661	25,782,518	27,344,655	25,252,555	26,723,131	27,615,106	25,471,697	18.0	18.6
Other Renewables <sup>2</sup> .....	2,882,282	1,911,676	1,988,449	2,596,641	2,775,084	3,318,657	4,467,008	4,814,548	2.1	3.5
Pumped Storage.....	-990,437	-813,171	-780,731	-756,156	-768,380	-672,139	-480,387	-529,264	-0.7	-0.4
Other <sup>3</sup> .....	-	884,375	970,907	976,636	932,292	987,366	877,433	831,851	-	0.6

<sup>1</sup> Other gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

<sup>2</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>3</sup> Other includes non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

\* = 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.

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

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, 2000 and 2004 Through 2010**

Fuel, Quality	2000	2004	2005	2006	2007	2008	2009	2010
<b>New York</b>								
Coal (cents per million Btu) .....	149	176	213	240	241	257	273	305
Average heat value (Btu per pound).....	13,117	12,063	11,832	11,584	11,382	11,248	11,187	10,982
Average sulfur Content (percent) .....	1.12	1.66	1.40	1.36	1.37	1.43	1.29	1.31
Petroleum (cents per million Btu) <sup>1</sup> .....	431	486	731	800	799	1,390	811	1,144
Average heat value (Btu per gallon).....	151,162	149,024	148,914	150,136	151,036	148,410	146,824	144,319
Average sulfur Content (percent) .....	0.76	0.89	0.72	0.63	0.57	0.77	0.99	1.24
Natural Gas (cents per million Btu).....	460	653	905	761	795	1,062	518	563
Average heat value (Btu per cubic foot).....	1,019	1,021	1,019	1,018	1,018	1,019	1,019	1,020

<sup>1</sup> 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, 2000 and 2004 Through 2010**  
(Thousand Metric Tons)

Emission Type	2000	2004	2005	2006	2007	2008	2009	2010
<b>New York</b>								
<b>Sulfur Dioxide .....</b>								
Coal.....	223	158	121	100	93	69	47	51
Petroleum.....	64	76	65	21	24	10	8	5
Natural Gas.....	*	*	*	*	*	*	*	*
Other Gases.....	*	-	-	-	-	-	-	-
Other Renewables <sup>1</sup> .....	3	1	1	1	6	4	4	5
Other <sup>2</sup> .....	6	*	*	*	*	*	*	*
Total.....	296	236	187	122	123	83	59	62
<b>Nitrogen Oxide .....</b>								
Coal.....	53	33	30	29	27	22	15	15
Petroleum.....	28	28	28	13	13	5	4	4
Natural Gas.....	21	13	15	11	10	12	10	11
Other Gases.....	*	-	-	-	-	-	-	-
Other Renewables <sup>1</sup> .....	5	4	5	5	5	7	8	9
Other <sup>2</sup> .....	7	6	5	6	5	5	6	5
Total.....	112	85	82	64	60	51	44	44
<b>Carbon Dioxide .....</b>								
Coal.....	25,830	23,695	21,809	21,820	22,084	19,748	13,528	14,329
Petroleum.....	13,173	18,226	20,441	6,205	7,307	3,381	2,358	1,873
Natural Gas.....	21,373	14,560	17,039	21,634	22,684	22,226	20,529	23,725
Other Gases.....	1	-	-	-	-	-	-	-
Other Renewables <sup>1</sup> .....	-	-	-	-	-	-	-	910
Other <sup>2</sup> .....	1,528	1,620	1,737	1,768	1,675	1,801	1,715	748
Total.....	61,904	58,101	61,025	51,428	53,749	47,157	38,130	41,584

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, and other biomass.

<sup>2</sup> Other includes non-biogenic municipal solid waste, tire-derived fuels, and miscellaneous technologies.

\* = 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.

Note: CO2 emissions for the historical years 1998 - 2008 have been revised due to changes in emission factors.

Sources: Calculations made by the Electric Power Systems and Reliability Team; Office of Electricity, Renewables, and Uranium Statistics; U. S. Energy Information Administration.

**Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 2000 and 2004 Through 2010**

Sector	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>New York</b>										
<b>Retail Sales (thousand megawatthours) .....</b>										
Residential .....	43,018	47,379	50,533	48,427	50,241	49,034	48,246	50,946	30.3	35.2
Commercial .....	59,764	74,378	76,822	76,029	74,326	77,416	75,347	77,276	42.1	53.4
Industrial .....	25,838	20,675	19,947	14,976	20,213	14,685	13,417	13,480	18.2	9.3
Other .....	13,407	NA	NA	NA	NA	NA	NA	NA	9.4	--
Transportation.....	NA	2,650	2,846	2,806	3,397	2,918	3,025	2,922	--	2.0
All Sectors .....	142,027	145,082	150,148	142,238	148,178	144,053	140,034	144,624	100.0	100.0
<b>Retail Revenue (million dollars).....</b>										
Residential .....	6,010	6,890	7,945	8,181	8,591	8,972	8,442	9,547	37.2	40.2
Commercial .....	7,562	9,654	11,031	11,793	11,829	13,035	11,683	12,603	46.8	53.1
Industrial.....	1,389	1,455	1,641	1,407	1,761	1,489	1,205	1,184	8.6	5.0
Other.....	1,206	NA	NA	NA	NA	NA	NA	NA	7.5	--
Transportation.....	NA	210	324	335	373	369	397	402	--	1.7
All Sectors .....	16,167	18,209	20,941	21,716	22,553	23,865	21,728	23,735	100.0	100.0
<b>Average Retail Prices (cents/kWh) .....</b>										
Residential .....	13.97	14.54	15.72	16.89	17.10	18.30	17.50	18.74	--	--
Commercial .....	12.65	12.98	14.36	15.51	15.92	16.84	15.51	16.31	--	--
Industrial.....	5.37	7.04	8.23	9.39	8.71	10.14	8.98	8.78	--	--
Other.....	8.99	NA	NA	NA	NA	NA	NA	NA	--	--
Transportation.....	NA	7.92	11.39	11.94	10.96	12.64	13.13	13.74	--	--
All Sectors .....	11.38	12.55	13.95	15.27	15.22	16.57	15.52	16.41	--	--

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, 2010**

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
<b>New York</b>								
Number of Entities.....	8	48	NA	4	1	42	8	111
Number of Retail Customers .....	5,402,009	1,279,609	NA	18,090	1	1,301,855	NA	8,001,564
Retail Sales (thousand megawatthours).....	55,060	23,624	NA	204	233	65,504	NA	144,624
Percentage of Retail Sales .....	38.07	16.33	--	0.14	0.16	45.29	--	100.00
Revenue from Retail Sales (million dollars) .....	9,772	4,076	NA	23	20	5,702	4,142	23,735
Percentage of Revenue .....	41.17	17.17	--	0.10	0.08	24.02	17.45	100.00
Average Retail Price (cents/kWh).....	17.75	17.25	NA	11.31	8.63	8.70	6.32	16.41

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Data are shown for All Sectors. Full Service Providers sell bundled electricity services (e.g., both energy and delivery) to end users. Full Service Providers may purchase electricity from others (such as independent Power Producers or other full service providers) prior to delivery. Other Providers sell either the energy or the delivery services, but not both. Sales volumes and customer counts shown for Other Providers refer to delivered electricity, which is a joint activity of both energy and delivery providers; for clarity, they are reported only in the Energy column in this table. The revenue shown under Other Providers represents the revenue realized from the sale of the energy and the delivery services distinctly. "Public" entities include municipalities, State power agencies, and municipal marketing authorities. Federal entities are either owned or financed by the Federal Government. "Cooperatives" are electric utilities legally established to be owned by and operated for the benefit of those using its services. The cooperative will generate, transmit and/or distribute supplies of electric energy to a specified area not being serviced by another utility. "Non-utility" sales represent direct electricity transactions from independent generators to end use consumers. Totals may not equal sum of components because of independent rounding.

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



**Table 10. Supply and Disposition of Electricity, 2000 and 2004 Through 2010**  
(Million Kilowatthours)

Category	2000	2004	2005	2006	2007	2008	2009	2010
<b>New York</b>								
<b>Supply</b> .....								
<b>Generation</b> .....								
Electric Utilities .....	73,188	40,956	39,963	41,599	40,248	38,170	35,771	34,633
Independent Power Producers .....	40,757	81,182	90,252	86,965	91,333	89,612	86,856	89,333
Combined Heat and Power, Electric .....	21,188	13,744	14,475	11,624	12,388	10,722	8,866	11,183
<b>Electric Power Sector Generation Subtotal</b> .....	<b>135,132</b>	<b>135,882</b>	<b>144,690</b>	<b>140,187</b>	<b>143,969</b>	<b>138,504</b>	<b>131,494</b>	<b>135,150</b>
Combined Heat and Power, Commercial .....	620	614	672	727	663	664	546	765
Combined Heat and Power, Industrial.....	2,327	1,468	1,525	1,351	1,246	1,154	1,111	1,047
<b>Industrial and Commercial Generation Subtotal</b> .....	<b>2,947</b>	<b>2,083</b>	<b>2,197</b>	<b>2,078</b>	<b>1,909</b>	<b>1,818</b>	<b>1,657</b>	<b>1,812</b>
<b>Total Net Generation</b> .....	<b>138,079</b>	<b>137,965</b>	<b>146,887</b>	<b>142,265</b>	<b>145,879</b>	<b>140,322</b>	<b>133,151</b>	<b>136,962</b>
<b>Total International Imports</b> .....	<b>10,663</b>	<b>9,458</b>	<b>10,717</b>	<b>12,495</b>	<b>14,366</b>	<b>16,678</b>	<b>11,254</b>	<b>9,373</b>
<b>Total Supply</b> .....	<b>148,742</b>	<b>147,423</b>	<b>157,605</b>	<b>154,761</b>	<b>160,245</b>	<b>157,000</b>	<b>144,405</b>	<b>146,335</b>
<b>Disposition</b> .....								
<b>Retail Sales</b> .....								
Full Service Providers .....	124,508	95,980	93,237	86,258	86,299	81,636	77,326	78,887
Energy-Only Providers.....	17,519	48,731	56,673	55,136	61,622	62,120	62,432	65,504
Facility Direct Retail Sales <sup>1</sup> .....	-	370	238	844	256	296	276	233
<b>Total Electric Industry Retail Sales</b> .....	<b>142,027</b>	<b>145,082</b>	<b>150,148</b>	<b>142,238</b>	<b>148,178</b>	<b>144,053</b>	<b>140,034</b>	<b>144,624</b>
<b>Direct Use</b> .....	<b>4,328</b>	<b>4,221</b>	<b>3,803</b>	<b>1,718</b>	<b>1,595</b>	<b>1,787</b>	<b>1,567</b>	<b>1,655</b>
<b>Total International Exports</b> .....	<b>2,000</b>	<b>4,264</b>	<b>3,437</b>	<b>2,510</b>	<b>3,078</b>	<b>3,361</b>	<b>1,459</b>	<b>2,343</b>
<b>Estimated Losses</b> .....	<b>10,108</b>	<b>15,136</b>	<b>12,009</b>	<b>6,700</b>	<b>8,994</b>	<b>8,649</b>	<b>8,950<sup>R</sup></b>	<b>8,459</b>
<b>Net Interstate Trade</b> <sup>2</sup> .....	<b>-9,721</b>	<b>-21,281</b>	<b>-11,791<sup>R</sup></b>	<b>1,595</b>	<b>-1,600</b>	<b>-851</b>	<b>-7,606</b>	<b>-10,746</b>
<b>Total Disposition</b> .....	<b>148,742</b>	<b>147,423</b>	<b>157,605</b>	<b>154,761</b>	<b>160,245</b>	<b>157,000</b>	<b>144,405</b>	<b>146,335</b>
<b>Net Trade Index (ratio)</b> <sup>3</sup> .....	<b>0.94</b>	<b>0.87</b>	<b>0.93</b>	<b>1.01</b>	<b>0.99</b>	<b>0.99</b>	<b>0.95</b>	<b>0.93</b>

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

<sup>2</sup> Net Interstate Trade = Total Supply - (Total Electric Industry Retail Sales + Direct Use + Total International Exports (if applies) + Estimated Losses).

<sup>3</sup> Net Trade Index is the sum of Total Supply / (Total Disposition - Net Interstate Trade).

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. Beginning with publication year 2010, Total disposition has been reorganized to include Net Interstate Trade. Therefore, Total Disposition equals Total Supply.

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. 2010 Summary Statistics**

Item	Value	U.S. Rank
<b>North Carolina</b>		
NERC Region(s).....		SERC
Primary Energy Source.....		Coal
Net Summer Capacity (megawatts) .....	27,674	12
Electric Utilities.....	25,553	6
Independent Power Producers & Combined Heat and Power.....	2,121	34
Net Generation (megawatthours).....	128,678,483	10
Electric Utilities.....	121,251,138	3
Independent Power Producers & Combined Heat and Power.....	7,427,345	34
Emissions (thousand metric tons) .....		
Sulfur Dioxide .....	131	14
Nitrogen Oxide.....	57	16
Carbon Dioxide.....	73,241	13
Sulfur Dioxide (lbs/MWh) .....	2.2	31
Nitrogen Oxide (lbs/MWh) .....	1.0	34
Carbon Dioxide (lbs/MWh).....	1,255	28
Total Retail Sales (megawatthours).....	136,414,947	9
Full Service Provider Sales (megawatthours) .....	136,414,947	5
Direct Use (megawatthours) .....	2,368,925	13
Average Retail Price (cents/kWh).....	8.67	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, 2010**

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
<b>North Carolina</b>			
1. Roxboro .....	Coal	Progress Energy Carolinas Inc	2,417
2. Belews Creek.....	Coal	Duke Energy Carolinas, LLC	2,220
3. McGuire.....	Nuclear	Duke Energy Carolinas, LLC	2,200
4. Marshall.....	Coal	Duke Energy Carolinas, LLC	2,078
5. Brunswick.....	Nuclear	Progress Energy Carolinas Inc	1,858
6. Richmond.....	Gas	Progress Energy Carolinas Inc	1,290
7. Lincoln Combustion .....	Gas	Duke Energy Carolinas, LLC	1,267
8. G G Allen.....	Coal	Duke Energy Carolinas, LLC	1,127
9. Rowan.....	Gas	Southern Power Co	925
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, 2010**  
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
1. Duke Energy Carolinas, LLC .....	Investor-Owned	57,850,382	23,089,681	22,484,849	12,268,802	7,050
2. Progress Energy Carolinas Inc .....	Investor-Owned	39,075,352	16,820,714	13,892,621	8,362,017	-
3. Virginia Electric & Power Co .....	Investor-Owned	4,330,318	1,716,948	973,584	1,639,786	-
4. EnergyUnited Elec Member Corp .....	Cooperative	2,439,808	1,670,390	559,752	209,666	-
5. Public Works Comm-City of Fayetteville .....	Public	2,214,346	1,023,931	883,484	306,931	-
Total Sales, Top Five Providers .....		105,910,206	44,321,664	38,794,290	22,787,202	7,050
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, 2000 and 2004 Through 2010**  
(Megawatts)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Electric Utilities.....</b>	<b>22,015</b>	<b>23,671</b>	<b>23,822</b>	<b>24,553</b>	<b>25,500</b>	<b>25,558</b>	<b>25,529</b>	<b>25,553</b>	<b>89.9</b>	<b>92.3</b>
Coal.....	12,440	12,495	12,487	12,439	12,394	12,411	12,294	12,271	50.8	44.3
Petroleum.....	791	541	540	509	510	507	509	524	3.2	1.9
Natural Gas.....	2,509	4,035	4,200	4,975	5,597	5,660	5,749	5,773	10.2	20.9
Nuclear.....	4,691	4,938	4,938	4,975	4,975	4,958	4,958	4,958	19.2	17.9
Hydroelectric.....	1,490	1,567	1,562	1,571	1,940	1,932	1,932	1,936	6.1	7.0
Other Renewables <sup>1</sup> .....	-	-	-	-	-	-	-	4	-	*
Pumped Storage.....	94	95	95	84	84	90	86	86	0.4	0.3
<b>Independent Power Producers and Combined Heat and Power .....</b>	<b>2,464</b>	<b>3,438</b>	<b>3,284</b>	<b>2,508</b>	<b>2,144</b>	<b>2,136</b>	<b>2,089</b>	<b>2,121</b>	<b>10.1</b>	<b>7.7</b>
Coal.....	925	731	709	674	674	658	658	495	3.8	1.8
Petroleum.....	95	53	53	53	53	50	51	48	0.4	0.2
Natural Gas.....	847	1,962	1,797	1,022	1,019	1,019	970	970	3.5	3.5
Hydroelectric.....	369	385	383	383	19	19	19	19	1.5	0.1
Other Renewables <sup>1</sup> .....	191	270	305	338	342	342	342	539	0.8	1.9
Other <sup>2</sup> .....	37	37	37	37	37	47	50	50	0.2	0.2
<b>Total Electric Industry.....</b>	<b>24,479</b>	<b>27,110</b>	<b>27,107</b>	<b>27,061</b>	<b>27,644</b>	<b>27,694</b>	<b>27,618</b>	<b>27,674</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	13,365	13,226	13,196	13,113	13,068	13,069	12,952	12,766	54.6	46.1
Petroleum.....	885	595	594	563	564	558	560	573	3.6	2.1
Natural Gas.....	3,356	5,997	5,997	5,997	6,616	6,679	6,718	6,742	13.7	24.4
Nuclear.....	4,691	4,938	4,938	4,975	4,975	4,958	4,958	4,958	19.2	17.9
Hydroelectric.....	1,860	1,951	1,945	1,954	1,960	1,952	1,952	1,956	7.6	7.1
Other Renewables <sup>1</sup> .....	191	270	305	338	342	342	342	543	0.8	2.0
Pumped Storage.....	94	95	95	84	84	90	86	86	0.4	0.3
Other <sup>2</sup> .....	37	37	37	37	37	47	50	50	0.2	0.2

<sup>1</sup> Other Renewables includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>2</sup> Other includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

\* = 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, 2000 and 2004 Through 2010**  
(Megawatthours)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>North Carolina</b>										
<b>Electric Utilities.....</b>	<b>114,433,191</b>	<b>118,328,694</b>	<b>121,674,733</b>	<b>117,797,331</b>	<b>123,215,621</b>	<b>118,778,090</b>	<b>112,961,309</b>	<b>121,251,138</b>	<b>93.6</b>	<b>94.2</b>
Coal.....	71,719,489	71,956,852	74,915,235	72,311,023	76,611,703	72,625,233	62,765,545	69,274,374	58.7	53.8
Petroleum.....	468,482	250,402	231,141	219,114	236,042	232,446	232,119	245,987	0.4	0.2
Natural Gas.....	839,137	2,019,290	2,573,322	2,476,836	3,503,270	3,257,556	3,945,064	6,277,283	0.7	4.9
Nuclear.....	39,126,881	40,090,623	39,981,739	39,963,184	40,044,705	39,776,280	40,847,711	40,739,529	32.0	31.7
Hydroelectric.....	2,171,100	3,933,276	3,826,791	2,695,832	2,682,904	3,007,639	5,125,576	4,709,155	1.8	3.7
Other Renewables <sup>1</sup> .....	-	-	-	-	-	-	2,216	4,810	-	*
Pumped Storage.....	108,102	78,251	146,505	131,342	136,996	-121,064	43,077	-	0.1	-
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>7,841,165</b>	<b>8,001,263</b>	<b>8,073,845</b>	<b>7,417,453</b>	<b>6,899,680</b>	<b>6,460,973</b>	<b>5,446,094</b>	<b>7,427,345</b>	<b>6.4</b>	<b>5.8</b>
Coal.....	4,225,974	3,589,263	3,520,465	3,175,982	3,371,335	3,189,553	2,317,237	2,676,839	3.5	2.1
Petroleum.....	357,349	360,507	287,728	232,024	259,647	87,776	64,739	47,386	0.3	*
Natural Gas.....	291,116	539,364	586,055	718,727	953,373	919,785	906,821	2,169,954	0.2	1.7
Hydroelectric.....	966,716	1,501,923	1,569,711	1,143,180	301,255	26,003	45,681	47,394	0.8	*
Other Renewables <sup>1</sup> .....	1,773,567	1,732,802	1,807,148	1,828,305	1,672,219	1,922,213	1,891,188	2,078,332	1.5	1.6
Other <sup>2</sup> .....	226,443	277,403	302,737	319,235	341,852	315,642	220,428	407,440	0.2	0.3
<b>Total Electric Industry.....</b>	<b>122,274,356</b>	<b>126,329,957</b>	<b>129,748,578</b>	<b>125,214,784</b>	<b>130,115,301</b>	<b>125,239,063</b>	<b>118,407,403</b>	<b>128,678,483</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	75,945,463	75,546,115	78,435,700	75,487,005	79,983,038	75,814,787	65,082,782	71,951,214	62.1	55.9
Petroleum.....	825,831	610,909	518,869	451,138	495,689	320,221	296,859	293,373	0.7	0.2
Natural Gas.....	1,130,253	2,558,654	3,159,377	3,195,563	4,456,643	4,177,342	4,851,885	8,447,237	0.9	6.6
Nuclear.....	39,126,881	40,090,623	39,981,739	39,963,184	40,044,705	39,776,280	40,847,711	40,739,529	32.0	31.7
Hydroelectric.....	3,137,816	5,435,199	5,396,502	3,839,012	2,984,159	3,033,642	5,171,257	4,756,549	2.6	3.7
Other Renewables <sup>1</sup> .....	1,773,567	1,732,802	1,807,148	1,828,305	1,672,219	1,922,213	1,893,404	2,083,142	1.5	1.6
Pumped Storage.....	108,102	78,251	146,505	131,342	136,996	-121,064	43,077	-	0.1	-
Other <sup>2</sup> .....	226,443	277,403	302,737	319,235	341,852	315,642	220,428	407,440	0.2	0.3

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>2</sup> Other includes non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

\* = 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.

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

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, 2000 and 2004 Through 2010**

Fuel, Quality	2000	2004	2005	2006	2007	2008	2009	2010
<b>North Carolina</b>								
Coal (cents per million Btu) .....	143	200	240	269	274	326	359	352
Average heat value (Btu per pound).....	12,448	12,345	12,309	12,268	12,374	12,243	12,333	12,270
Average sulfur Content (percent) .....	0.82	0.86	0.88	0.91	1.01	1.01	1.04	1.01
Petroleum (cents per million Btu) <sup>1</sup> .....	616	715	W	W	W	NM	1,014	1,433
Average heat value (Btu per gallon).....	138,360	141,338	142,869	139,114	146,617	NM	146,243	144,814
Average sulfur Content (percent) .....	0.27	0.73	0.76	0.36	1.34	NM	1.06	0.98
Natural Gas (cents per million Btu).....	432	658	W	W	W	W	W	618
Average heat value (Btu per cubic foot).....	1,026	1,036	1,037	1,035	1,034	1,031	1,025	1,017

<sup>1</sup> 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, 2000 and 2004 Through 2010 (Thousand Metric Tons)**

Emission Type	2000	2004	2005	2006	2007	2008	2009	2010
<b>North Carolina</b>								
<b>Sulfur Dioxide .....</b>								
Coal.....	451	443	469	438	356	223	112	116
Petroleum.....	8	2	2	2	2	1	1	1
Natural Gas .....	*	*	*	*	*	*	*	*
Other Renewables <sup>1</sup> .....	14	10	10	7	6	10	12	13
Other <sup>2</sup> .....	*	1	1	1	1	1	1	1
Total.....	473	456	482	447	365	236	126	131
<b>Nitrogen Oxide .....</b>								
Coal.....	159	113	103	97	57	55	39	49
Petroleum.....	4	1	1	1	1	1	1	1
Natural Gas .....	2	1	1	1	1	1	1	2
Other Renewables <sup>1</sup> .....	5	1	2	1	1	3	4	6
Other <sup>2</sup> .....	*	*	*	*	*	*	*	*
Total.....	170	116	107	100	61	60	44	57
<b>Carbon Dioxide .....</b>								
Coal.....	71,760	71,053	74,265	71,435	76,240	72,736	62,209	68,780
Petroleum.....	1,619	967	872	821	815	539	418	371
Natural Gas .....	748	1,178	1,485	1,568	2,226	1,968	2,159	4,028
Other Renewables <sup>1</sup> .....	-	-	-	-	-	-	-	7
Other <sup>2</sup> .....	39	106	125	140	135	101	59	55
Total.....	74,166	73,304	76,748	73,964	79,417	75,344	64,845	73,241

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, and other biomass.

<sup>2</sup> Other includes non-biogenic municipal solid waste, tire-derived fuels, and miscellaneous technologies.

\* = 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.

Note: CO2 emissions for the historical years 1998 - 2008 have been revised due to changes in emission factors.

Sources: Calculations made by the Electric Power Systems and Reliability Team; Office of Electricity, Renewables, and Uranium Statistics; U. S. Energy Information Administration.

**Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 2000 and 2004 Through 2010**

Sector	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>North Carolina</b>										
<b>Retail Sales (thousand megawatthours) .....</b>										
Residential .....	46,537	51,717	54,073	52,851	56,095	55,740	56,311	62,160	38.8	45.6
Commercial .....	36,859	42,864	44,161	44,585	46,807	46,537	46,240	47,932	30.8	35.1
Industrial .....	34,252	31,075	30,101	29,263	28,978	27,773	25,100	26,316	28.6	19.3
Other .....	2,208	NA	NA	NA	NA	NA	NA	NA	1.8	--
Transportation.....	NA	NA	*	*	*	5	7	7	--	*
All Sectors .....	119,855	125,657	128,335	126,699	131,881	130,054	127,658	136,415	100.0	100.0
<b>Retail Revenue (million dollars).....</b>										
Residential .....	3,709	4,369	4,680	4,818	5,271	5,304	5,627	6,288	47.8	53.2
Commercial .....	2,345	2,871	3,028	3,195	3,477	3,514	3,690	3,911	30.2	33.1
Industrial .....	1,569	1,516	1,516	1,531	1,584	1,537	1,504	1,623	20.2	13.7
Other .....	144	NA	NA	NA	NA	NA	NA	NA	1.9	--
Transportation.....	NA	NA	*	*	*	*	*	1	--	*
All Sectors .....	7,767	8,756	9,224	9,544	10,332	10,356	10,821	11,823	100.0	100.0
<b>Average Retail Prices (cents/kWh) .....</b>										
Residential .....	7.97	8.45	8.65	9.12	9.40	9.52	9.99	10.12	--	--
Commercial .....	6.36	6.70	6.86	7.17	7.43	7.55	7.98	8.16	--	--
Industrial .....	4.58	4.88	5.04	5.23	5.47	5.54	5.99	6.17	--	--
Other .....	6.53	NA	NA	NA	NA	NA	NA	NA	--	--
Transportation.....	NA	NA	8.33	3.23	9.09	6.57	6.83	7.09	--	--
All Sectors .....	6.48	6.97	7.19	7.53	7.83	7.96	8.48	8.67	--	--

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, 2010**

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
<b>North Carolina</b>								
Number of Entities.....	3	72	1	31	NA	NA	NA	107
Number of Retail Customers .....	3,238,472	586,894	6	1,015,801	NA	NA	NA	4,841,173
Retail Sales (thousand megawatthours).....	101,256	16,457	6	18,696	NA	NA	NA	136,415
Percentage of Retail Sales .....	74.23	12.06	*	13.71	--	--	--	100.00
Revenue from Retail Sales (million dollars) .....	8,201	1,678	1	1,944	NA	NA	NA	11,823
Percentage of Revenue .....	69.36	14.19	*	16.44	--	--	--	100.00
Average Retail Price (cents/kWh).....	8.10	10.20	8.11	10.40	NA	NA	NA	8.67

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: 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. "Non-utility" sales represent direct electricity transactions from independent generators to end use consumers. Totals may not equal sum of components because of independent rounding.

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

**Table 10. Supply and Disposition of Electricity, 2000 and 2004 Through 2010**  
(Million Kilowatthours)

Category	2000	2004	2005	2006	2007	2008	2009	2010
<b>North Carolina</b>								
<b>Supply</b> .....								
<b>Generation</b> .....								
Electric Utilities .....	114,433	118,329	121,675	117,797	123,216	118,778	112,961	121,251
Independent Power Producers .....	693	1,699	1,863	1,815	1,686	1,398	1,341	2,605
Combined Heat and Power, Electric .....	3,287	3,207	3,064	2,854	3,034	2,929	2,188	2,598
<b>Electric Power Sector Generation Subtotal</b> .....	<b>118,414</b>	<b>123,234</b>	<b>126,602</b>	<b>122,467</b>	<b>127,936</b>	<b>123,105</b>	<b>116,490</b>	<b>126,454</b>
Combined Heat and Power, Commercial .....	129	119	131	101	76	90	65	78
Combined Heat and Power, Industrial.....	3,732	2,977	3,015	2,648	2,103	2,044	1,853	2,146
<b>Industrial and Commercial Generation Subtotal</b> .....	<b>3,860</b>	<b>3,096</b>	<b>3,147</b>	<b>2,748</b>	<b>2,180</b>	<b>2,134</b>	<b>1,918</b>	<b>2,224</b>
<b>Total Net Generation</b> .....	<b>122,274</b>	<b>126,330</b>	<b>129,749</b>	<b>125,215</b>	<b>130,115</b>	<b>125,239</b>	<b>118,407</b>	<b>128,678</b>
<b>Total Supply</b> .....	<b>122,274</b>	<b>126,330</b>	<b>129,749</b>	<b>125,215</b>	<b>130,115</b>	<b>125,239</b>	<b>118,407</b>	<b>128,678</b>
<b>Disposition</b> .....								
<b>Retail Sales</b> .....								
Full Service Providers .....	119,855	125,657	128,335	126,699	131,881	130,054	127,658	136,415
<b>Total Electric Industry Retail Sales</b> .....	<b>119,855</b>	<b>125,657</b>	<b>128,335</b>	<b>126,699</b>	<b>131,881</b>	<b>130,054</b>	<b>127,658</b>	<b>136,415</b>
<b>Direct Use</b> .....	<b>3,681</b>	<b>4,096</b>	<b>2,932</b>	<b>2,350</b>	<b>2,415</b>	<b>2,880</b>	<b>2,213</b>	<b>2,369</b>
<b>Estimated Losses</b> .....	<b>8,530</b>	<b>8,910</b>	<b>13,002</b>	<b>13,398</b>	<b>10,844</b>	<b>10,239</b>	<b>9,458<sup>R</sup></b>	<b>9,650</b>
<b>Net Interstate Trade</b> <sup>1</sup> .....	<b>-9,793</b>	<b>-12,333</b>	<b>-14,521</b>	<b>-17,233</b>	<b>-15,025</b>	<b>-17,934</b>	<b>-20,922</b>	<b>-19,756</b>
<b>Total Disposition</b> .....	<b>122,274</b>	<b>126,330</b>	<b>129,749</b>	<b>125,215</b>	<b>130,115</b>	<b>125,239</b>	<b>118,407</b>	<b>128,678</b>
<b>Net Trade Index (ratio)</b> <sup>2</sup> .....	<b>0.93</b>	<b>0.91</b>	<b>0.90</b>	<b>0.88</b>	<b>0.90</b>	<b>0.87</b>	<b>0.85</b>	<b>0.87</b>

<sup>1</sup> Net Interstate Trade = Total Supply - (Total Electric Industry Retail Sales + Direct Use + Total International Exports (if applies) + Estimated Losses).

<sup>2</sup> Net Trade Index is the sum of Total Supply / (Total Disposition - Net Interstate Trade).

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. Beginning with publication year 2010, Total disposition has been reorganized to include Net Interstate Trade. Therefore, Total Disposition equals Total Supply.

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. 2010 Summary Statistics**

Item	Value	U.S. Rank
<b>North Dakota</b>		
NERC Region(s).....		MRO
Primary Energy Source.....		Coal
Net Summer Capacity (megawatts) .....	<b>6,188</b>	<b>40</b>
Electric Utilities.....	4,912	34
Independent Power Producers & Combined Heat and Power.....	1,276	40
Net Generation (megawatthours).....	<b>34,739,542</b>	<b>39</b>
Electric Utilities.....	31,343,796	32
Independent Power Producers & Combined Heat and Power.....	3,395,746	41
Emissions (thousand metric tons) .....		
Sulfur Dioxide .....	116	17
Nitrogen Oxide .....	52	21
Carbon Dioxide.....	31,064	30
Sulfur Dioxide (lbs/MWh) .....	7.3	3
Nitrogen Oxide (lbs/MWh) .....	3.3	6
Carbon Dioxide (lbs/MWh).....	1,971	6
Total Retail Sales (megawatthours) .....	<b>12,956,263</b>	<b>42</b>
Full Service Provider Sales (megawatthours) .....	12,956,263	41
Direct Use (megawatthours) .....	<b>192,272</b>	<b>40</b>
Average Retail Price (cents/kWh).....	<b>7.11</b>	<b>46</b>

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, 2010**

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
<b>North Dakota</b>			
1. Coal Creek .....	Coal	Great River Energy	1,133
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	670
5. Garrison .....	Hydroelectric	USCE-Missouri River District	508
6. Coyote.....	Coal	Otter Tail Power Co	427
7. Stanton .....	Coal	Great River Energy	202
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. Rugby.....	Other Renewables	Iberdrola Renewable Energies USA	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, 2010**  
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
1. Northern States Power Co - Minnesota.....	Investor-Owned	2,205,880	769,024	1,087,274	349,582	-
2. Otter Tail Power Co.....	Investor-Owned	1,746,394	586,800	1,087,049	72,545	-
3. Montana-Dakota Utilities Co.....	Investor-Owned	1,641,094	646,566	870,490	124,038	-
4. Basin Electric Power Coop.....	Cooperative	998,782	-	-	998,782	-
5. Cass County Electric Coop Inc.....	Cooperative	949,129	506,755	373,257	69,117	-
Total Sales, Top Five Providers.....		7,541,279	2,509,145	3,418,070	1,614,064	-
Percent of Total State Sales.....		58	57	73	42	-

- (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, 2000 and 2004 Through 2010**  
(Megawatts)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Electric Utilities.....</b>	<b>4,678</b>	<b>4,673</b>	<b>4,625</b>	<b>4,636</b>	<b>4,668</b>	<b>4,691</b>	<b>4,852</b>	<b>4,912</b>	<b>99.2</b>	<b>79.4</b>
Coal.....	4,107	4,105	4,106	4,106	4,098	4,098	4,127	4,131	87.1	66.8
Petroleum.....	65	71	75	75	72	72	68	68	1.4	1.1
Natural Gas.....	10	10	10	10	10	10	15	15	0.2	0.2
Hydroelectric.....	497	485	432	443	486	486	508	508	10.5	8.2
Other Renewables <sup>1</sup> .....	-	3	3	3	3	26	134	190	-	3.1
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>37</b>	<b>101</b>	<b>133</b>	<b>203</b>	<b>424</b>	<b>793</b>	<b>1,111</b>	<b>1,276</b>	<b>0.8</b>	<b>20.6</b>
Coal.....	20	21	21	21	21	21	21	21	0.4	0.3
Petroleum.....	-	-	-	2	4	4	4	4	-	0.1
Other Gases <sup>2</sup> .....	7	8	8	8	8	8	8	8	0.2	0.1
Other Renewables <sup>1</sup> .....	9	71	103	171	390	759	1,078	1,243	0.2	20.1
<b>Total Electric Industry.....</b>	<b>4,715</b>	<b>4,774</b>	<b>4,758</b>	<b>4,839</b>	<b>5,091</b>	<b>5,484</b>	<b>5,963</b>	<b>6,188</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	4,127	4,126	4,127	4,127	4,119	4,119	4,148	4,153	87.5	67.1
Petroleum.....	65	71	75	77	75	75	71	71	1.4	1.2
Natural Gas.....	10	10	10	10	10	10	15	15	0.2	0.2
Other Gases <sup>2</sup> .....	7	8	8	8	8	8	8	8	0.2	0.1
Hydroelectric.....	497	485	432	443	486	486	508	508	10.5	8.2
Other Renewables <sup>1</sup> .....	9	74	105	174	393	786	1,212	1,433	0.2	23.2

<sup>1</sup> Other Renewables includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>2</sup> Other gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

- (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, 2000 and 2004 Through 2010**  
(Megawatthours)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>North Dakota</b>										
<b>Electric Utilities.....</b>	<b>31,122,917</b>	<b>29,526,814</b>	<b>31,512,768</b>	<b>30,328,375</b>	<b>30,402,807</b>	<b>30,852,784</b>	<b>31,375,152</b>	<b>31,343,796</b>	<b>99.4</b>	<b>90.2</b>
Coal.....	28,952,976	27,938,264	30,133,242	28,761,820	29,041,826	29,551,647	29,486,194	28,349,079	92.5	81.6
Petroleum.....	47,457	36,565	32,480	39,269	47,332	40,977	41,475	35,855	0.2	0.1
Natural Gas.....	-77	265	-29	49	59	-51	9	22	*	*
Hydroelectric.....	2,122,561	1,545,864	1,341,824	1,521,034	1,305,393	1,252,790	1,475,251	2,042,118	6.8	5.9
Other Renewables <sup>1</sup> .....	-	5,856	5,251	6,203	7,224	6,881	372,223	879,475	-	2.5
Other <sup>2</sup> .....	-	-	-	-	973	540	-	37,247	-	0.1
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>188,279</b>	<b>409,292</b>	<b>419,847</b>	<b>552,762</b>	<b>821,298</b>	<b>1,881,795</b>	<b>2,821,315</b>	<b>3,395,746</b>	<b>0.6</b>	<b>9.8</b>
Coal.....	116,227	125,960	125,517	117,171	121,727	120,583	120,771	112,962	0.4	0.3
Petroleum.....	13,500	1,866	1,785	2,810	3,486	8,116	3,541	2,365	*	*
Natural Gas.....	2,164	8,779	8,041	7,016	16,516	-	16,597	16,330	*	*
Other Gases <sup>3</sup> .....	48,413	58,417	59,422	58,939	52,515	-	43,526	35,536	0.2	0.1
Other Renewables <sup>1</sup> .....	7,975	214,270	225,083	366,826	627,055	1,699,504	2,636,879	3,228,553	*	9.3
Other <sup>2</sup> .....	-	-	-	-	-	53,593	-	-	-	-
<b>Total Electric Industry.....</b>	<b>31,311,196</b>	<b>29,936,106</b>	<b>31,932,615</b>	<b>30,881,137</b>	<b>31,224,105</b>	<b>32,734,579</b>	<b>34,196,467</b>	<b>34,739,542</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	29,069,203	28,064,224	30,258,759	28,878,991	29,163,553	29,672,230	29,606,966	28,462,040	92.8	81.9
Petroleum.....	60,957	38,431	34,265	42,079	50,818	49,092	45,016	38,220	0.2	0.1
Natural Gas.....	2,087	9,044	8,012	7,065	16,574	-51	16,606	16,353	*	*
Other Gases <sup>3</sup> .....	48,413	58,417	59,422	58,939	52,515	-	43,526	35,536	0.2	0.1
Hydroelectric.....	2,122,561	1,545,864	1,341,824	1,521,034	1,305,393	1,252,790	1,475,251	2,042,118	6.8	5.9
Other Renewables <sup>1</sup> .....	7,975	220,126	230,334	373,029	634,279	1,706,385	3,009,102	4,108,028	*	11.8
Other <sup>2</sup> .....	-	-	-	-	973	54,133	-	37,247	-	0.1

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>2</sup> Other includes non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

<sup>3</sup> Other gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

\* = 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.

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

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, 2000 and 2004 Through 2010**

Fuel, Quality	2000	2004	2005	2006	2007	2008	2009	2010
<b>North Dakota</b>								
Coal (cents per million Btu) .....	72	77	82	88	98	110	W	126
Average heat value (Btu per pound).....	6,528	6,602	6,686	6,651	6,621	6,667	6,672	6,652
Average sulfur Content (percent) .....	0.72	0.70	0.69	0.71	0.74	0.73	0.73	0.73
Petroleum (cents per million Btu) <sup>1</sup> .....	692	863	1,244	1,486	1,783	W	W	1,570
Average heat value (Btu per gallon).....	138,960	138,410	139,014	138,976	139,186	137,595	140,269	137,433
Average sulfur Content (percent) .....	0.37	0.36	0.37	0.37	0.34	0.28	0.21	0.20
Natural Gas (cents per million Btu).....	640	778	954	1,013	599	NM	W	538
Average heat value (Btu per cubic foot).....	1,045	1,034	1,073	1,079	1,071	NM	1,025	1,016

<sup>1</sup> 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, 2000 and 2004 Through 2010 (Thousand Metric Tons)**

Emission Type	2000	2004	2005	2006	2007	2008	2009	2010
<b>North Dakota</b>								
<b>Sulfur Dioxide .....</b>								
Coal.....	139	137	125	119	125	124	121	116
Petroleum.....	*	*	*	*	*	*	*	*
Other Gases.....	*	*	*	*	*	*	*	*
Other Renewables <sup>1</sup> .....	*	*	-	*	*	*	*	*
Other <sup>2</sup> .....	*	*	-	-	-	*	-	-
Total.....	140	137	126	119	125	124	121	116
<b>Nitrogen Oxide .....</b>								
Coal.....	72	72	70	68	66	63	59	52
Petroleum.....	*	*	*	*	*	*	*	*
Natural Gas.....	*	*	*	*	*	*	*	*
Other Gases.....	*	*	*	*	*	*	*	*
Other Renewables <sup>1</sup> .....	*	*	*	*	*	*	*	*
Other <sup>2</sup> .....	*	-	-	-	-	*	-	-
Total.....	73	73	70	68	66	63	59	52
<b>Carbon Dioxide .....</b>								
Coal.....	32,521	30,589	33,080	31,490	32,183	32,817	32,502	30,964
Petroleum.....	88	39	37	45	54	70	52	43
Natural Gas.....	5	29	22	19	43	*	54	57
Other <sup>2</sup> .....	-	-	-	-	1	1	-	-
Total.....	32,614	30,657	33,139	31,554	32,281	32,887	32,608	31,064

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, and other biomass.

<sup>2</sup> Other includes non-biogenic municipal solid waste, tire-derived fuels, and miscellaneous technologies.

\* = 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.

Note: CO2 emissions for the historical years 1998 - 2008 have been revised due to changes in emission factors.

Sources: Calculations made by the Electric Power Systems and Reliability Team; Office of Electricity, Renewables, and Uranium Statistics; U. S. Energy Information Administration.

**Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 2000 and 2004 Through 2010**

Sector	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>North Dakota</b>										
<b>Retail Sales (thousand megawatthours) .....</b>										
Residential .....	3,390	3,663	3,796	3,853	4,067	4,259	4,449	4,393	36.0	33.9
Commercial .....	2,554	3,843	3,994	4,127	4,215	4,460	4,558	4,714	27.1	36.4
Industrial .....	3,031	3,010	3,050	3,266	3,624	3,697	3,641	3,850	32.2	29.7
Other .....	438	NA	NA	NA	NA	NA	NA	NA	4.7	--
All Sectors .....	9,413	10,516	10,840	11,245	11,906	12,416	12,649	12,956	100.0	100.0
<b>Retail Revenue (million dollars) .....</b>										
Residential .....	218	249	265	275	297	320	337	357	42.6	38.8
Commercial .....	155	225	244	260	278	304	310	340	30.3	36.9
Industrial .....	121	124	132	163	190	207	191	224	23.5	24.3
Other .....	18	NA	NA	NA	NA	NA	NA	NA	3.6	--
All Sectors .....	512	599	641	698	764	830	839	921	100.0	100.0
<b>Average Retail Prices (cents/kWh) .....</b>										
Residential .....	6.44	6.79	6.99	7.14	7.30	7.51	7.58	8.13	--	--
Commercial .....	6.08	5.86	6.11	6.30	6.58	6.81	6.81	7.21	--	--
Industrial .....	3.98	4.13	4.32	5.00	5.24	5.59	5.25	5.81	--	--
Other .....	4.19	NA	NA	NA	NA	NA	NA	NA	--	--
All Sectors .....	5.44	5.69	5.92	6.21	6.42	6.69	6.63	7.11	--	--

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, 2010**

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Number of Entities .....	3	12	1	21	NA	NA	NA	37
Number of Retail Customers .....	221,192	11,117	26	155,283	NA	NA	NA	387,618
Retail Sales (thousand megawatthours) .....	5,593	273	189	6,901	NA	NA	NA	12,956
Percentage of Retail Sales .....	43.17	2.11	1.46	53.26	--	--	--	100.00
Revenue from Retail Sales (million dollars) .....	404	19	6	491	NA	NA	NA	921
Percentage of Revenue .....	43.89	2.10	0.66	53.36	--	--	--	100.00
Average Retail Price (cents/kWh) .....	7.23	7.08	3.19	7.12	NA	NA	NA	7.11

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Data are shown for All Sectors. Full Service Providers sell bundled electricity services (e.g., both energy and delivery) to end users. Full Service Providers may purchase electricity from others (such as independent Power Producers or other full service providers) prior to delivery. Other Providers sell either the energy or the delivery services, but not both. Sales volumes and customer counts shown for Other Providers refer to delivered electricity, which is a joint activity of both energy and delivery providers; for clarity, they are reported only in the Energy column in this table. The revenue shown under Other Providers represents the revenue realized from the sale of the energy and the delivery services distinctly. "Public" entities include municipalities, State power agencies, and municipal marketing authorities. Federal entities are either owned or financed by the Federal Government. "Cooperatives" are electric utilities legally established to be owned by and operated for the benefit of those using its services. The cooperative will generate, transmit and/or distribute supplies of electric energy to a specified area not being serviced by another utility. "Non-utility" sales represent direct electricity transactions from independent generators to end use consumers. Totals may not equal sum of components because of independent rounding.

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

**Table 10. Supply and Disposition of Electricity, 2000 and 2004 Through 2010**  
(Million Kilowatthours)

Category	2000	2004	2005	2006	2007	2008	2009	2010
<b>North Dakota</b>								
<b>Supply</b> .....								
<b>Generation</b> .....								
Electric Utilities .....	31,123	29,527	31,513	30,328	30,403	30,853	31,375	31,344
Independent Power Producers .....	-	209	215	363	614	1,687	2,625	3,216
<b>Electric Power Sector Generation Subtotal</b> .....	<b>31,123</b>	<b>29,735</b>	<b>31,728</b>	<b>30,692</b>	<b>31,016</b>	<b>32,539</b>	<b>34,000</b>	<b>34,560</b>
Combined Heat and Power, Commercial .....	-	-	-	-	*	*	*	*
Combined Heat and Power, Industrial.....	188	201	205	189	207	195	196	180
<b>Industrial and Commercial Generation Subtotal</b> .....	<b>188</b>	<b>201</b>	<b>205</b>	<b>189</b>	<b>208</b>	<b>195</b>	<b>196</b>	<b>180</b>
<b>Total Net Generation</b> .....	<b>31,311</b>	<b>29,936</b>	<b>31,933</b>	<b>30,881</b>	<b>31,224</b>	<b>32,735</b>	<b>34,196</b>	<b>34,740</b>
<b>Total International Imports</b> .....	<b>1,436</b>	<b>1,513</b>	<b>2,162</b>	<b>2,008</b>	<b>1,657</b>	<b>1,414</b>	<b>1,349</b>	<b>1,597</b>
<b>Total Supply</b> .....	<b>32,748</b>	<b>31,449</b>	<b>34,094</b>	<b>32,889</b>	<b>32,881</b>	<b>34,148</b>	<b>35,546</b>	<b>36,337</b>
<b>Disposition</b> .....								
<b>Retail Sales</b> .....								
Full Service Providers .....	9,413	10,516	10,840	11,245	11,906	12,416	12,649	12,956
<b>Total Electric Industry Retail Sales</b> .....	<b>9,413</b>	<b>10,516</b>	<b>10,840</b>	<b>11,245</b>	<b>11,906</b>	<b>12,416</b>	<b>12,649</b>	<b>12,956</b>
<b>Direct Use</b> .....	<b>188</b>	<b>167</b>	<b>212</b>	<b>195</b>	<b>214</b>	<b>208</b>	<b>209</b>	<b>192</b>
<b>Total International Exports</b> .....	<b>790</b>	<b>1,409</b>	<b>459</b>	<b>1,251</b>	<b>328</b>	<b>606</b>	<b>610</b>	<b>478</b>
<b>Estimated Losses</b> .....	<b>670</b>	<b>2,132</b>	<b>1,581</b>	<b>1,567</b>	<b>1,594</b>	<b>1,571</b>	<b>1,735</b>	<b>1,719</b>
<b>Net Interstate Trade</b> <sup>1</sup> .....	<b>21,687</b>	<b>17,225</b>	<b>21,002</b>	<b>18,630</b>	<b>18,840</b>	<b>19,347</b>	<b>20,345</b>	<b>20,991</b>
<b>Total Disposition</b> .....	<b>32,748</b>	<b>31,449</b>	<b>34,094</b>	<b>32,889</b>	<b>32,881</b>	<b>34,148</b>	<b>35,546</b>	<b>36,337</b>
<b>Net Trade Index (ratio)</b> <sup>2</sup> .....	<b>2.96</b>	<b>2.21</b>	<b>2.60</b>	<b>2.31</b>	<b>2.34</b>	<b>2.31</b>	<b>2.34</b>	<b>2.37</b>

<sup>1</sup> Net Interstate Trade = Total Supply - (Total Electric Industry Retail Sales + Direct Use + Total International Exports (if applies) + Estimated Losses).

<sup>2</sup> Net Trade Index is the sum of Total Supply / (Total Disposition - Net Interstate Trade).

\* = 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. Beginning with publication year 2010, Total disposition has been reorganized to include Net Interstate Trade. Therefore, Total Disposition equals Total Supply.

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. 2010 Summary Statistics**

Item	Value	U.S. Rank
<b>Ohio</b>		
NERC Region(s).....		<b>RFC</b>
Primary Energy Source.....		<b>Coal</b>
Net Summer Capacity (megawatts) .....	<b>33,071</b>	<b>8</b>
Electric Utilities.....	20,179	13
Independent Power Producers & Combined Heat and Power.....	12,892	7
Net Generation (megawatthours).....	<b>143,598,337</b>	<b>7</b>
Electric Utilities.....	92,198,096	10
Independent Power Producers & Combined Heat and Power.....	51,400,241	7
Emissions (thousand metric tons) .....		
Sulfur Dioxide .....	610	1
Nitrogen Oxide.....	122	3
Carbon Dioxide.....	121,964	4
Sulfur Dioxide (lbs/MWh) .....	9.4	1
Nitrogen Oxide (lbs/MWh) .....	1.9	17
Carbon Dioxide (lbs/MWh).....	1,872	8
Total Retail Sales (megawatthours) .....	<b>154,145,418</b>	<b>4</b>
Full Service Provider Sales (megawatthours) .....	105,329,797	9
Energy-Only Provider Sales (megawatthours).....	48,815,621	3
Direct Use (megawatthours) .....	<b>1,128,580</b>	<b>22</b>
Average Retail Price (cents/kWh).....	<b>9.14</b>	<b>23</b>

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, 2010**

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
<b>Ohio</b>			
1. General James M Gavin .....	Coal	Ohio Power Co	2,640
2. J M Stuart.....	Coal	Dayton Power & Light Co	2,317
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, 2010**  
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
1. First Energy Solutions Corp. ....	Other Provider	29,606,124	8,135,208	12,599,886	8,846,018	25,012
2. Ohio Power Co .....	Investor-Owned	26,197,992	7,581,485	5,816,681	12,799,826	-
3. Columbus Southern Power Co .....	Investor-Owned	20,605,822	7,804,421	8,224,107	4,577,294	-
4. Dayton Power & Light Co.....	Investor-Owned	9,935,665	5,510,854	3,250,095	1,173,430	1,286
5. Ohio Edison Co .....	Investor-Owned	9,928,844	5,519,305	2,230,891	2,178,648	-
Total Sales, Top Five Providers .....		96,274,447	34,551,273	32,121,660	29,575,216	26,298
Percent of Total State Sales .....		62	63	69	56	73

- (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, 2000 and 2004 Through 2010**  
(Megawatts)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Ohio</b>										
<b>Electric Utilities.....</b>	<b>26,302</b>	<b>27,684</b>	<b>19,312</b>	<b>20,147</b>	<b>20,012</b>	<b>20,340</b>	<b>20,356</b>	<b>20,179</b>	<b>92.3</b>	<b>61.0</b>
Coal.....	21,675	21,366	16,272	16,296	16,204	15,909	15,932	15,733	76.1	47.6
Petroleum.....	1,031	1,008	588	588	596	575	575	577	3.6	1.7
Natural Gas.....	1,300	3,074	2,346	3,156	3,105	3,749	3,741	3,760	4.6	11.4
Nuclear.....	2,042	2,108	-	-	-	-	-	-	7.2	-
Hydroelectric.....	164	122	101	101	101	101	101	101	0.6	0.3
Other Renewables <sup>1</sup> .....	90	7	7	7	7	7	7	8	0.3	*
<b>Independent Power Producers and Combined Heat and Power .....</b>	<b>2,199</b>	<b>6,366</b>	<b>14,558</b>	<b>13,731</b>	<b>13,743</b>	<b>13,152</b>	<b>13,183</b>	<b>12,892</b>	<b>7.7</b>	<b>39.0</b>
Coal.....	1,058	1,047	6,042	5,969	5,871	5,906	5,926	5,628	3.7	17.0
Petroleum.....	55	49	469	469	479	472	472	442	0.2	1.3
Natural Gas.....	985	5,113	5,812	5,006	5,064	4,443	4,443	4,443	3.5	13.4
Other Gases <sup>2</sup> .....	82	100	100	100	100	100	100	123	0.3	0.4
Nuclear.....	-	-	2,108	2,120	2,124	2,124	2,134	2,134	-	6.5
Other Renewables <sup>1</sup> .....	19	57	27	67	105	106	108	122	0.1	0.4
<b>Total Electric Industry.....</b>	<b>28,501</b>	<b>34,050</b>	<b>33,870</b>	<b>33,877</b>	<b>33,755</b>	<b>33,492</b>	<b>33,539</b>	<b>33,071</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	22,733	22,412	22,313	22,264	22,074	21,815	21,858	21,360	79.8	64.6
Petroleum.....	1,085	1,057	1,057	1,057	1,075	1,047	1,047	1,019	3.8	3.1
Natural Gas.....	2,285	8,187	8,157	8,161	8,169	8,192	8,184	8,203	8.0	24.8
Other Gases <sup>2</sup> .....	82	100	100	100	100	100	100	123	0.3	0.4
Nuclear.....	2,042	2,108	2,108	2,120	2,124	2,124	2,134	2,134	7.2	6.5
Hydroelectric.....	164	122	101	101	101	101	101	101	0.6	0.3
Other Renewables <sup>1</sup> .....	109	65	35	75	112	113	115	130	0.4	0.4

<sup>1</sup> Other Renewables includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>2</sup> Other gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

\* = 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, 2000 and 2004 Through 2010**  
(Megawatthours)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Ohio</b>										
<b>Electric Utilities.....</b>	<b>144,358,306</b>	<b>142,305,499</b>	<b>102,750,838</b>	<b>98,159,139</b>	<b>100,536,445</b>	<b>98,396,809</b>	<b>93,939,609</b>	<b>92,198,096</b>	<b>96.8</b>	<b>64.2</b>
Coal.....	126,225,740	124,004,082	101,302,047	96,674,346	98,791,919	97,315,864	92,371,924	89,927,804	84.7	62.6
Petroleum.....	342,319	1,354,023	253,906	245,951	240,791	243,608	204,781	238,836	0.2	0.2
Natural Gas.....	425,821	266,954	665,873	592,505	1,078,551	435,717	820,233	1,587,363	0.3	1.1
Other Gases <sup>1</sup> .....	-	-	-	-	-	102	811	569	-	*
Nuclear.....	16,781,378	15,950,121	-	-	-	-	-	-	11.3	-
Hydroelectric.....	583,048	729,876	515,744	631,936	410,436	386,435	527,746	429,024	0.4	0.3
Other Renewables <sup>2</sup> .....	-	443	13,268	14,401	14,748	15,084	14,114	14,501	-	*
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>4,701,974</b>	<b>6,040,406</b>	<b>54,225,485</b>	<b>57,274,936</b>	<b>54,619,100</b>	<b>55,015,442</b>	<b>42,150,616</b>	<b>51,400,241</b>	<b>3.2</b>	<b>35.8</b>
Coal.....	3,352,804	4,152,700	35,523,551	36,725,810	34,338,760	33,378,446	21,340,073	27,900,205	2.2	19.4
Petroleum.....	12,093	34,258	1,136,487	1,108,604	906,954	1,194,329	1,106,962	1,203,588	*	0.8
Natural Gas.....	399,333	1,124,041	2,029,755	1,786,557	2,896,346	2,048,675	3,830,223	5,540,497	0.3	3.9
Other Gases <sup>1</sup> .....	290,353	302,063	298,339	360,007	289,273	260,822	36,666	253,530	0.2	0.2
Nuclear.....	-	-	14,802,733	16,846,939	15,764,049	17,513,878	15,206,084	15,804,803	-	11.0
Other Renewables <sup>2</sup> .....	647,391	427,334	432,320	444,214	420,395	608,292	619,296	685,588	0.4	0.5
Other <sup>3</sup> .....	-	11	2,299	2,805	3,322	11,000	11,312	12,030	-	*
<b>Total Electric Industry.....</b>	<b>149,060,280</b>	<b>148,345,905</b>	<b>156,976,323</b>	<b>155,434,075</b>	<b>155,155,545</b>	<b>153,412,251</b>	<b>136,090,225</b>	<b>143,598,337</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	129,578,544	128,156,782	136,825,598	133,400,156	133,130,679	130,694,310	113,711,997	117,828,009	86.9	82.1
Petroleum.....	354,412	1,388,281	1,390,393	1,354,555	1,147,746	1,437,938	1,311,743	1,442,424	0.2	1.0
Natural Gas.....	825,154	1,390,995	2,695,628	2,379,062	3,974,897	2,484,391	4,650,456	7,127,859	0.6	5.0
Other Gases <sup>1</sup> .....	290,353	302,063	298,339	360,007	289,273	260,924	37,477	254,099	0.2	0.2
Nuclear.....	16,781,378	15,950,121	14,802,733	16,846,939	15,764,049	17,513,878	15,206,084	15,804,803	11.3	11.0
Hydroelectric.....	583,048	729,876	515,744	631,936	410,436	386,435	527,746	429,024	0.4	0.3
Other Renewables <sup>2</sup> .....	647,391	427,777	445,588	458,615	435,143	623,376	633,410	700,089	0.4	0.5
Other <sup>3</sup> .....	-	11	2,299	2,805	3,322	11,000	11,312	12,030	-	*

<sup>1</sup> Other gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

<sup>2</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>3</sup> Other includes non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

\* = 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.

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

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, 2000 and 2004 Through 2010**

Fuel, Quality	2000	2004	2005	2006	2007	2008	2009	2010
<b>Ohio</b>								
Coal (cents per million Btu) .....	146	133	154	170	171	205	239	224
Average heat value (Btu per pound).....	11,823	12,098	12,097	11,525	11,495	11,444	11,768	11,563
Average sulfur Content (percent) .....	1.92	2.25	2.16	1.68	1.70	1.96	2.20	2.28
Petroleum (cents per million Btu) <sup>1</sup> .....	635	W	1,291	1,224	W	591	488	760
Average heat value (Btu per gallon).....	133,586	137,986	138,193	138,150	138,026	134,567	136,305	136,052
Average sulfur Content (percent) .....	0.42	0.19	0.09	0.07	0.06	3.92	3.65	3.31
Natural Gas (cents per million Btu).....	485	648	924	771	764	1,035	433	507
Average heat value (Btu per cubic foot).....	1,025	1,034	1,030	1,033	1,033	1,035	1,032	1,028

<sup>1</sup> 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, 2000 and 2004 Through 2010 (Thousand Metric Tons)**

Emission Type	2000	2004	2005	2006	2007	2008	2009	2010
<b>Ohio</b>								
<b>Sulfur Dioxide .....</b>								
Coal.....	1,142	1,044	1,050	941	928	690	603	584
Petroleum.....	1	4	5	27	28	33	19	24
Natural Gas .....	*	*	*	*	*	*	*	*
Other Gases.....	*	*	*	*	*	*	*	*
Other Renewables <sup>1</sup> .....	10	2	2	2	2	2	2	2
Other <sup>2</sup> .....	-	*	*	-	*	*	*	*
Total .....	1,152	1,050	1,057	970	958	725	624	610
<b>Nitrogen Oxide .....</b>								
Coal.....	346	247	234	220	220	216	103	113
Petroleum.....	1	1	1	1	4	4	3	3
Natural Gas .....	2	2	1	1	2	1	1	1
Other Gases.....	2	*	*	*	*	*	*	1
Other Renewables <sup>1</sup> .....	3	1	1	1	1	1	3	5
Other <sup>2</sup> .....	-	*	*	-	*	*	*	*
Total .....	354	251	238	224	227	222	110	122
<b>Carbon Dioxide .....</b>								
Coal.....	124,480	122,112	130,411	126,983	127,713	125,468	110,910	116,465
Petroleum.....	417	1,431	1,386	2,220	2,103	2,184	1,961	2,168
Natural Gas .....	1,203	1,187	1,611	1,358	2,132	1,380	2,164	3,298
Other Gases.....	-	-	-	-	-	*	2	1
Other <sup>2</sup> .....	-	14	9	8	23	28	29	32
Total .....	126,100	124,744	133,417	130,568	131,970	129,061	115,066	121,964

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, and other biomass.

<sup>2</sup> Other includes non-biogenic municipal solid waste, tire-derived fuels, and miscellaneous technologies.

\* = 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.

Note: CO2 emissions for the historical years 1998 - 2008 have been revised due to changes in emission factors.

Sources: Calculations made by the Electric Power Systems and Reliability Team; Office of Electricity, Renewables, and Uranium Statistics; U. S. Energy Information Administration.

**Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 2000 and 2004 Through 2010**

Sector	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Ohio</b>										
<b>Retail Sales (thousand megawatthours) .....</b>										
Residential .....	46,488	50,300	53,904	51,375	54,376	53,411	51,405	54,474	28.1	35.3
Commercial .....	40,757	45,313	46,870	46,141	48,129	47,310	45,370	46,526	24.7	30.2
Industrial .....	74,019	58,558	59,354	55,869	59,219	58,621	49,486	53,109	44.8	34.5
Other .....	3,930	NA	NA	NA	NA	NA	NA	NA	2.4	--
Transportation.....	NA	49	48	44	48	47	39	36	--	*
All Sectors .....	165,195	154,221	160,176	153,429	161,771	159,389	146,300	154,145	100.0	100.0
<b>Retail Revenue (million dollars).....</b>										
Residential .....	4,002	4,251	4,586	4,801	5,204	5,371	5,485	6,165	37.8	43.7
Commercial .....	3,102	3,510	3,716	3,893	4,175	4,364	4,379	4,529	29.3	32.1
Industrial .....	3,237	2,864	3,029	3,133	3,413	3,629	3,319	3,398	30.6	24.1
Other .....	240	NA	NA	NA	NA	NA	NA	NA	2.3	--
Transportation.....	NA	5	4	4	5	5	4	3	--	*
All Sectors .....	10,581	10,629	11,336	11,831	12,797	13,369	13,188	14,095	100.0	100.0
<b>Average Retail Prices (cents/kWh) .....</b>										
Residential .....	8.61	8.45	8.51	9.34	9.57	10.06	10.67	11.32	--	--
Commercial .....	7.61	7.75	7.93	8.44	8.67	9.22	9.65	9.73	--	--
Industrial .....	4.37	4.89	5.10	5.61	5.76	6.19	6.71	6.40	--	--
Other .....	6.10	NA	NA	NA	NA	NA	NA	NA	--	--
Transportation.....	NA	9.21	9.03	10.13	9.98	10.68	10.73	8.62	--	--
All Sectors .....	6.41	6.89	7.08	7.71	7.91	8.39	9.01	9.14	--	--

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, 2010**

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Number of Entities.....	8	85	NA	25	1	13	7	139
Number of Retail Customers .....	3,507,556	374,323	NA	380,134	1	1,248,885	NA	5,510,899
Retail Sales (thousand megawatthours).....	87,335	10,029	NA	7,813	153	48,816	NA	154,145
Percentage of Retail Sales .....	56.66	6.51	--	5.07	0.10	31.67	--	100.00
Revenue from Retail Sales (million dollars) .....	8,057	955	NA	794	7	2,879	1,404	14,095
Percentage of Revenue .....	57.16	6.77	--	5.63	0.05	20.43	9.96	100.00
Average Retail Price (cents/kWh).....	9.23	9.52	NA	10.16	4.28	5.90	2.88	9.14

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Data are shown for All Sectors. Full Service Providers sell bundled electricity services (e.g., both energy and delivery) to end users. Full Service Providers may purchase electricity from others (such as independent Power Producers or other full service providers) prior to delivery. Other Providers sell either the energy or the delivery services, but not both. Sales volumes and customer counts shown for Other Providers refer to delivered electricity, which is a joint activity of both energy and delivery providers; for clarity, they are reported only in the Energy column in this table. The revenue shown under Other Providers represents the revenue realized from the sale of the energy and the delivery services distinctly. "Public" entities include municipalities, State power agencies, and municipal marketing authorities. Federal entities are either owned or financed by the Federal Government. "Cooperatives" are electric utilities legally established to be owned by and operated for the benefit of those using its services. The cooperative will generate, transmit and/or distribute supplies of electric energy to a specified area not being serviced by another utility. "Non-utility" sales represent direct electricity transactions from independent generators to end use consumers. Totals may not equal sum of components because of independent rounding.

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

**Table 10. Supply and Disposition of Electricity, 2000 and 2004 Through 2010**  
(Million Kilowatthours)

Category	2000	2004	2005	2006	2007	2008	2009	2010
<b>Ohio</b>								
<b>Supply</b> .....								
<b>Generation</b> .....								
Electric Utilities .....	144,358	142,305	102,751	98,159	100,536	98,397	93,940	92,198
Independent Power Producers .....	3,157	4,699	52,817	55,836	53,366	53,646	40,775	49,722
Combined Heat and Power, Electric .....	275	319	328	322	350	298	472	652
<b>Electric Power Sector Generation Subtotal</b> .....	<b>147,790</b>	<b>147,324</b>	<b>155,896</b>	<b>154,317</b>	<b>154,252</b>	<b>152,341</b>	<b>135,187</b>	<b>142,572</b>
Combined Heat and Power, Commercial .....	5	*	*	-	-	-	-	-
Combined Heat and Power, Industrial .....	1,266	1,022	1,080	1,117	903	1,072	903	1,026
<b>Industrial and Commercial Generation Subtotal</b> .....	<b>1,271</b>	<b>1,022</b>	<b>1,080</b>	<b>1,117</b>	<b>903</b>	<b>1,072</b>	<b>903</b>	<b>1,026</b>
<b>Total Net Generation</b> .....	<b>149,060</b>	<b>148,346</b>	<b>156,976</b>	<b>155,434</b>	<b>155,156</b>	<b>153,412</b>	<b>136,090</b>	<b>143,598</b>
<b>Total International Imports</b> .....	-	3	49	844	361	-	4	-
<b>Total Supply</b> .....	<b>149,060</b>	<b>148,349</b>	<b>157,025</b>	<b>156,278</b>	<b>155,517</b>	<b>153,412</b>	<b>136,094</b>	<b>143,598</b>
<b>Disposition</b> .....								
<b>Retail Sales</b> .....								
Full Service Providers .....	161,093	126,207	133,461	140,259	148,928	147,464	133,198	105,177
Energy-Only Providers .....	4,101	27,882	26,716	13,170	12,843	11,757	12,953	48,816
Facility Direct Retail Sales <sup>1</sup> .....	-	132	-	-	-	168	149	153
<b>Total Electric Industry Retail Sales</b> .....	<b>165,195</b>	<b>154,221</b>	<b>160,176</b>	<b>153,429</b>	<b>161,771</b>	<b>159,389</b>	<b>146,300</b>	<b>154,145</b>
<b>Direct Use</b> .....	<b>1,615</b>	<b>1,488</b>	<b>1,265</b>	<b>1,296</b>	<b>1,091</b>	<b>1,213</b>	<b>971</b>	<b>1,129</b>
<b>Total International Exports</b> .....	-	68	397	225	55	-	-	-
<b>Estimated Losses</b> .....	<b>11,757</b>	<b>12,722<sup>R</sup></b>	<b>10,535</b>	<b>11,075</b>	<b>12,342</b>	<b>12,036</b>	<b>10,579</b>	<b>8,058</b>
<b>Net Interstate Trade</b> <sup>2</sup> .....	<b>-29,507</b>	<b>-20,151</b>	<b>-15,347<sup>R</sup></b>	<b>-9,746</b>	<b>-19,743</b>	<b>-19,225</b>	<b>-21,755</b>	<b>-19,733</b>
<b>Total Disposition</b> .....	<b>149,060</b>	<b>148,349</b>	<b>157,025</b>	<b>156,278</b>	<b>155,517</b>	<b>153,412</b>	<b>136,094</b>	<b>143,598</b>
<b>Net Trade Index (ratio)</b> <sup>3</sup> .....	<b>0.83</b>	<b>0.88</b>	<b>0.91</b>	<b>0.94</b>	<b>0.89</b>	<b>0.89</b>	<b>0.86</b>	<b>0.88</b>

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

<sup>2</sup> Net Interstate Trade = Total Supply - (Total Electric Industry Retail Sales + Direct Use + Total International Exports (if applies) + Estimated Losses).

<sup>3</sup> Net Trade Index is the sum of Total Supply / (Total Disposition - Net Interstate Trade).

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. Beginning with publication year 2010, Total disposition has been reorganized to include Net Interstate Trade. Therefore, Total Disposition equals Total Supply.

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. 2010 Summary Statistics**

Item	Value	U.S. Rank
<b>Oklahoma</b>		
NERC Region(s).....		SPP
Primary Energy Source.....		Gas
Net Summer Capacity (megawatts) .....	21,022	20
Electric Utilities.....	16,015	18
Independent Power Producers & Combined Heat and Power.....	5,006	17
Net Generation (megawatthours).....	72,250,733	22
Electric Utilities.....	57,421,195	17
Independent Power Producers & Combined Heat and Power.....	14,829,538	24
Emissions (thousand metric tons) .....		
Sulfur Dioxide .....	85	21
Nitrogen Oxide .....	71	12
Carbon Dioxide.....	49,536	17
Sulfur Dioxide (lbs/MWh) .....	2.6	24
Nitrogen Oxide (lbs/MWh) .....	2.2	11
Carbon Dioxide (lbs/MWh).....	1,512	17
Total Retail Sales (megawatthours) .....	57,845,980	25
Full Service Provider Sales (megawatthours) .....	57,845,980	23
Direct Use (megawatthours) .....	1,077,701	23
Average Retail Price (cents/kWh).....	7.59	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, 2010**

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
<b>Oklahoma</b>			
1. Northeastern.....	Coal	Public Service Co of Oklahoma	1,815
2. Muskogee.....	Coal	Oklahoma Gas & Electric Co	1,524
3. Seminole .....	Gas	Oklahoma Gas & Electric Co	1,504
4. Kiamichi Energy Facility .....	Gas	Kiowa Power Partners LLC	1,178
5. Redbud Power Plant .....	Gas	Oklahoma Gas & Electric Co	1,160
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	857

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, 2010**  
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
1. Oklahoma Gas & Electric Co .....	Investor-Owned	23,328,941	8,759,063	8,856,116	5,713,762	-
2. Public Service Co of Oklahoma .....	Investor-Owned	17,916,962	6,594,608	6,401,161	4,921,193	-
3. Oklahoma Electric Coop Inc .....	Cooperative	1,091,981	756,271	209,883	125,827	-
4. City of Edmond .....	Public	832,221	490,095	330,222	11,904	-
5. Grand River Dam Authority .....	Public	770,321	-	4,876	765,445	-
Total Sales, Top Five Providers .....		43,940,426	16,600,037	15,802,258	11,538,131	-
Percent of Total State Sales .....		76	70	83	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, 2000 and 2004 Through 2010**  
(Megawatts)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Oklahoma</b>										
<b>Electric Utilities.....</b>	<b>13,438</b>	<b>13,550</b>	<b>13,992</b>	<b>14,648</b>	<b>14,495</b>	<b>15,913</b>	<b>16,187</b>	<b>16,015</b>	<b>94.6</b>	<b>76.2</b>
Coal.....	4,856	4,949	4,964	4,981	4,975	4,912	4,940	4,940	34.2	23.5
Petroleum.....	61	68	68	72	68	69	69	67	0.4	0.3
Natural Gas.....	7,411	7,427	7,899	8,364	8,221	9,701	9,842	9,669	52.2	46.0
Other Gases <sup>1</sup> .....	57	58	-	-	-	-	-	-	0.4	-
Hydroelectric.....	793	788	800	851	851	851	854	858	5.6	4.1
Other Renewables <sup>2</sup> .....	-	-	-	120	120	120	221	221	-	1.1
Pumped Storage.....	260	260	260	260	260	260	260	260	1.8	1.2
<b>Independent Power Producers and Combined Heat and Power .....</b>	<b>767</b>	<b>5,847</b>	<b>5,782</b>	<b>5,437</b>	<b>5,467</b>	<b>4,348</b>	<b>4,662</b>	<b>5,006</b>	<b>5.4</b>	<b>23.8</b>
Coal.....	434	391	391	391	390	390	390	390	3.1	1.9
Petroleum.....	-	2	2	2	2	2	2	2	-	*
Natural Gas.....	240	5,182	4,836	4,491	4,427	3,284	3,282	3,282	1.7	15.6
Other Gases <sup>1</sup> .....	17	17	-	-	-	6	6	-	0.1	-
Other Renewables <sup>2</sup> .....	76	255	553	553	647	666	982	1,332	0.5	6.3
<b>Total Electric Industry.....</b>	<b>14,204</b>	<b>19,397</b>	<b>19,773</b>	<b>20,085</b>	<b>19,962</b>	<b>20,262</b>	<b>20,849</b>	<b>21,022</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	5,290	5,340	5,355	5,372	5,364	5,302	5,330	5,330	37.2	25.4
Petroleum.....	61	70	71	75	70	71	71	69	0.4	0.3
Natural Gas.....	7,651	12,609	12,735	12,854	12,649	12,985	13,125	12,951	53.9	61.6
Other Gases <sup>1</sup> .....	74	75	-	-	-	6	6	-	0.5	-
Hydroelectric.....	793	788	800	851	851	851	854	858	5.6	4.1
Other Renewables <sup>2</sup> .....	76	255	553	673	767	786	1,203	1,553	0.5	7.4
Pumped Storage.....	260	260	260	260	260	260	260	260	1.8	1.2

<sup>1</sup> Other gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

<sup>2</sup> Other Renewables includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

\* = 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, 2000 and 2004 Through 2010**  
(Megawatthours)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Oklahoma</b>										
<b>Electric Utilities.....</b>	<b>51,403,249</b>	<b>48,298,390</b>	<b>54,250,814</b>	<b>51,917,155</b>	<b>54,177,692</b>	<b>60,074,823</b>	<b>57,516,914</b>	<b>57,421,195</b>	<b>92.5</b>	<b>79.5</b>
Coal.....	32,852,645	31,240,478	33,604,628	32,324,391	31,610,751	33,625,415	31,645,255	29,102,532	59.1	40.3
Petroleum.....	46,637	21,008	13,181	24,187	139,391	12,600	12,433	12,606	0.1	*
Natural Gas.....	16,354,321	14,294,108	18,156,469	19,058,314	19,169,706	22,363,598	22,034,885	24,945,232	29.4	34.5
Hydroelectric.....	2,276,933	2,976,676	2,630,361	623,579	3,065,862	3,811,273	3,552,573	2,808,788	4.1	3.9
Other Renewables <sup>1</sup> .....	-	-	-	3,157	357,826	429,535	388,599	704,955	-	1.0
Pumped Storage.....	-127,287	-233,879	-153,825	-116,473	-165,844	-167,598	-116,831	-152,918	-0.2	-0.2
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>4,168,708</b>	<b>12,431,170</b>	<b>14,357,013</b>	<b>18,697,725</b>	<b>18,641,403</b>	<b>16,254,086</b>	<b>17,549,896</b>	<b>14,829,538</b>	<b>7.5</b>	<b>20.5</b>
Coal.....	2,805,367	2,560,908	2,703,928	2,707,632	2,827,186	2,689,503	2,413,852	2,372,605	5.0	3.3
Petroleum.....	6,283	47,305	57,161	39,563	21,097	9,935	-2,970	5,483	*	*
Natural Gas.....	1,148,255	8,991,471	10,433,751	13,922,376	13,974,205	11,410,569	12,596,414	8,996,450	2.1	12.5
Other Gases <sup>2</sup> .....	60,616	-	18,838	16,143	22,474	10,219	-	-	0.1	-
Other Renewables <sup>1</sup> .....	148,187	822,619	1,137,021	2,006,567	1,771,172	2,121,169	2,540,674	3,455,001	0.3	4.8
Other <sup>3</sup> .....	-	8,867	6,314	5,445	25,269	12,691	1,925	-	-	-
<b>Total Electric Industry.....</b>	<b>55,571,957</b>	<b>60,729,560</b>	<b>68,607,827</b>	<b>70,614,880</b>	<b>72,819,095</b>	<b>76,328,908</b>	<b>75,066,809</b>	<b>72,250,733</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	35,658,012	33,801,386	36,308,556	35,032,023	34,437,937	36,314,917	34,059,107	31,475,137	64.2	43.6
Petroleum.....	52,920	68,312	70,342	63,750	160,488	22,536	9,463	18,089	0.1	*
Natural Gas.....	17,502,576	23,285,579	28,590,220	32,980,690	33,143,911	33,774,167	34,631,299	33,941,682	31.5	47.0
Other Gases <sup>2</sup> .....	60,616	-	18,838	16,143	22,474	10,219	-	-	0.1	-
Hydroelectric.....	2,276,933	2,976,676	2,630,361	623,579	3,065,862	3,811,273	3,552,573	2,808,788	4.1	3.9
Other Renewables <sup>1</sup> .....	148,187	822,619	1,137,021	2,009,724	2,128,998	2,550,704	2,929,273	4,159,956	0.3	5.8
Pumped Storage.....	-127,287	-233,879	-153,825	-116,473	-165,844	-167,598	-116,831	-152,918	-0.2	-0.2
Other <sup>3</sup> .....	-	8,867	6,314	5,445	25,269	12,691	1,925	-	-	-

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>2</sup> Other gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

<sup>3</sup> Other includes non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

\* = 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.

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

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, 2000 and 2004 Through 2010**

Fuel, Quality	2000	2004	2005	2006	2007	2008	2009	2010
<b>Oklahoma</b>								
Coal (cents per million Btu) .....	94	W	W	W	W	W	W	172
Average heat value (Btu per pound).....	8,728	8,854	8,765	8,747	8,735	8,689	8,668	8,653
Average sulfur Content (percent).....	0.27	0.40	0.41	0.42	0.41	0.36	0.34	0.33
Petroleum (cents per million Btu) <sup>1</sup> .....	586	609	1,199	1,331	W	W	W	662
Average heat value (Btu per gallon).....	140,886	145,071	140,674	151,336	146,952	145,274	143,114	141,814
Average sulfur Content (percent).....	0.10	0.56	0.30	0.42	1.49	2.38	0.88	3.43
Natural Gas (cents per million Btu).....	442	594	802	640	650	793	379	468
Average heat value (Btu per cubic foot).....	1,029	1,031	1,030	1,028	1,029	1,032	1,033	1,033

<sup>1</sup> 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, 2000 and 2004 Through 2010**  
(Thousand Metric Tons)

Emission Type	2000	2004	2005	2006	2007	2008	2009	2010
<b>Oklahoma</b>								
<b>Sulfur Dioxide .....</b>								
Coal.....	152	99	102	104	98	98	91	81
Petroleum.....	1	2	2	2	2	*	*	1
Natural Gas.....	*	*	*	*	1	*	*	*
Other Gases.....	*	-	-	*	*	*	*	-
Other Renewables <sup>1</sup> .....	3	3	3	3	3	*	1	3
Other <sup>2</sup> .....	*	*	*	*	*	-	*	*
Total.....	156	103	106	110	104	98	92	85
<b>Nitrogen Oxide .....</b>								
Coal.....	71	60	64	61	56	56	54	50
Petroleum.....	8	*	*	1	1	*	*	*
Natural Gas.....	17	16	19	21	20	23	18	20
Other Gases.....	*	*	*	*	*	1	1	-
Other Renewables <sup>1</sup> .....	1	1	1	1	1	*	*	1
Other <sup>2</sup> .....	*	1	*	*	*	*	*	*
Total.....	97	77	84	84	78	79	73	71
<b>Carbon Dioxide .....</b>								
Coal.....	36,485	35,507	37,920	36,710	35,685	37,524	35,946	33,232
Petroleum.....	81	240	243	186	217	27	17	32
Natural Gas.....	10,336	11,763	13,874	15,907	16,096	15,844	15,947	16,187
Other Renewables <sup>1</sup> .....	-	-	-	-	-	-	-	47
Other <sup>2</sup> .....	2	128	115	130	71	4	76	37
Total.....	46,904	47,638	52,152	52,932	52,069	53,400	51,986	49,536

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, and other biomass.

<sup>2</sup> Other includes non-biogenic municipal solid waste, tire-derived fuels, and miscellaneous technologies.

\* = 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.

Note: CO2 emissions for the historical years 1998 - 2008 have been revised due to changes in emission factors.

Sources: Calculations made by the Electric Power Systems and Reliability Team; Office of Electricity, Renewables, and Uranium Statistics; U. S. Energy Information Administration.

**Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 2000 and 2004 Through 2010**

Sector	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Oklahoma</b>										
<b>Retail Sales (thousand megawatthours) .....</b>										
Residential .....	19,640	19,699	21,309	21,690	21,361	21,861	21,641	23,689	39.6	41.0
Commercial .....	13,115	17,020	17,477	18,197	18,634	19,022	18,662	19,005	26.5	32.9
Industrial .....	13,935	14,223	14,920	15,018	15,198	15,395	14,233	15,152	28.1	26.2
Other .....	2,874	NA	NA	NA	NA	NA	NA	NA	5.8	--
All Sectors .....	49,564	50,942	53,707	54,905	55,193	56,279	54,537	57,846	100.0	100.0
<b>Retail Revenue (million dollars) .....</b>										
Residential .....	1,380	1,520	1,695	1,854	1,834	1,987	1,837	2,164	47.4	49.3
Commercial .....	805	1,116	1,223	1,336	1,367	1,499	1,261	1,415	27.7	32.2
Industrial .....	570	677	762	819	823	908	686	811	19.6	18.5
Other .....	157	NA	NA	NA	NA	NA	NA	NA	5.4	--
All Sectors .....	2,912	3,313	3,680	4,010	4,023	4,394	3,784	4,390	100.0	100.0
<b>Average Retail Prices (cents/kWh) .....</b>										
Residential .....	7.03	7.72	7.95	8.55	8.58	9.09	8.49	9.14	--	--
Commercial .....	6.14	6.55	7.00	7.34	7.33	7.88	6.76	7.45	--	--
Industrial .....	4.09	4.76	5.11	5.46	5.41	5.90	4.82	5.35	--	--
Other .....	5.46	NA	NA	NA	NA	NA	NA	NA	--	--
All Sectors .....	5.88	6.50	6.85	7.30	7.29	7.81	6.94	7.59	--	--

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, 2010**

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
<b>Oklahoma</b>								
Number of Entities .....	3	62	1	31	NA	NA	NA	97
Number of Retail Customers .....	1,251,715	197,786	1	491,439	NA	NA	NA	1,940,941
Retail Sales (thousand megawatthours) .....	41,412	5,040	3	11,390	NA	NA	NA	57,846
Percentage of Retail Sales .....	71.59	8.71	0.01	19.69	--	--	--	100.00
Revenue from Retail Sales (million dollars) .....	2,984	399	*	1,007	NA	NA	NA	4,390
Percentage of Revenue .....	67.98	9.10	*	22.93	--	--	--	100.00
Average Retail Price (cents/kWh) .....	7.21	7.92	0.03	8.84	NA	NA	NA	7.59

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: 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. "Non-utility" sales represent direct electricity transactions from independent generators to end use consumers. Totals may not equal sum of components because of independent rounding.

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



**Table 10. Supply and Disposition of Electricity, 2000 and 2004 Through 2010**  
(Million Kilowatthours)

Category	2000	2004	2005	2006	2007	2008	2009	2010
<b>Oklahoma</b>								
<b>Supply</b> .....								
<b>Generation</b> .....								
Electric Utilities .....	51,403	48,298	54,251	51,917	54,178	60,075	57,517	57,421
Independent Power Producers .....	-	8,913	10,282	14,784	14,871	12,651	14,423	11,546
Combined Heat and Power, Electric .....	3,027	2,256	2,822	2,642	2,854	2,682	2,318	2,382
<b>Electric Power Sector Generation Subtotal</b> .....	<b>54,430</b>	<b>59,467</b>	<b>67,355</b>	<b>69,344</b>	<b>71,902</b>	<b>75,409</b>	<b>74,258</b>	<b>71,348</b>
Combined Heat and Power, Commercial .....	27	18	19	25	26	24	30	26
Combined Heat and Power, Industrial.....	1,115	1,245	1,234	1,246	891	896	778	876
<b>Industrial and Commercial Generation Subtotal</b> .....	<b>1,142</b>	<b>1,262</b>	<b>1,253</b>	<b>1,271</b>	<b>917</b>	<b>920</b>	<b>809</b>	<b>902</b>
<b>Total Net Generation</b> .....	<b>55,572</b>	<b>60,730</b>	<b>68,608</b>	<b>70,615</b>	<b>72,819</b>	<b>76,329</b>	<b>75,067</b>	<b>72,251</b>
<b>Total Supply</b> .....	<b>55,572</b>	<b>60,730</b>	<b>68,608</b>	<b>70,615</b>	<b>72,819</b>	<b>76,329</b>	<b>75,067</b>	<b>72,251</b>
<b>Disposition</b> .....								
<b>Retail Sales</b> .....								
Full Service Providers .....	49,564	50,811	53,571	54,771	55,061	56,140	54,537	57,846
Facility Direct Retail Sales <sup>1</sup> .....	-	131	136	134	133	138	-	-
<b>Total Electric Industry Retail Sales</b> .....	<b>49,564</b>	<b>50,942</b>	<b>53,707</b>	<b>54,905</b>	<b>55,193</b>	<b>56,279</b>	<b>54,537</b>	<b>57,846</b>
<b>Direct Use</b> .....	<b>1,304</b>	<b>1,154</b>	<b>953</b>	<b>987</b>	<b>1,401</b>	<b>1,346</b>	<b>935</b>	<b>1,078</b>
<b>Total International Exports</b> .....	-	*	*	-	-	-	-	-
<b>Estimated Losses</b> .....	<b>3,528</b>	<b>3,432<sup>R</sup></b>	<b>4,221</b>	<b>4,715</b>	<b>5,546</b>	<b>5,404</b>	<b>5,167</b>	<b>5,144</b>
<b>Net Interstate Trade</b> <sup>2</sup> .....	<b>1,177</b>	<b>5,201</b>	<b>9,726</b>	<b>10,007</b>	<b>10,679</b>	<b>13,300</b>	<b>14,428</b>	<b>8,183</b>
<b>Total Disposition</b> .....	<b>55,572</b>	<b>60,730</b>	<b>68,608</b>	<b>70,615</b>	<b>72,819</b>	<b>76,329</b>	<b>75,067</b>	<b>72,251</b>
<b>Net Trade Index (ratio)</b> <sup>3</sup> .....	<b>1.02</b>	<b>1.09</b>	<b>1.17</b>	<b>1.17</b>	<b>1.17</b>	<b>1.21</b>	<b>1.24</b>	<b>1.13</b>

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

<sup>2</sup> Net Interstate Trade = Total Supply - (Total Electric Industry Retail Sales + Direct Use + Total International Exports (if applies) + Estimated Losses).

<sup>3</sup> Net Trade Index is the sum of Total Supply / (Total Disposition - Net Interstate Trade).

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. Beginning with publication year 2010, Total disposition has been reorganized to include Net Interstate Trade. Therefore, Total Disposition equals Total Supply.

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. 2010 Summary Statistics**

Item	Value	U.S. Rank
<b>Oregon</b>		
NERC Region(s).....		WECC
Primary Energy Source.....		Hydroelectric
Net Summer Capacity (megawatts) .....	<b>14,261</b>	<b>29</b>
Electric Utilities.....	10,846	27
Independent Power Producers & Combined Heat and Power.....	3,415	28
Net Generation (megawatthours).....	<b>55,126,999</b>	<b>27</b>
Electric Utilities.....	41,142,684	26
Independent Power Producers & Combined Heat and Power.....	13,984,316	26
Emissions (thousand metric tons) .....		
Sulfur Dioxide .....	16	37
Nitrogen Oxide.....	15	42
Carbon Dioxide.....	10,094	40
Sulfur Dioxide (lbs/MWh) .....	0.6	44
Nitrogen Oxide (lbs/MWh) .....	0.6	47
Carbon Dioxide (lbs/MWh).....	404	48
Total Retail Sales (megawatthours).....	<b>46,025,945</b>	<b>30</b>
Full Service Provider Sales (megawatthours) .....	44,525,865	29
Energy-Only Provider Sales (megawatthours).....	1,500,080	18
Direct Use (megawatthours) .....	<b>530,183</b>	<b>32</b>
Average Retail Price (cents/kWh).....	<b>7.56</b>	<b>42</b>

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, 2010**

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
<b>Oregon</b>			
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	487
8. Klamath Cogeneration Plant.....	Gas	Pacific Klamath Energy Inc	470
9. Hermiston Generating Plant .....	Gas	Hermiston Generating Co LP	464
10. Biglow Canyon Wind Farm.....	Other Renewables	Portland General Electric 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, 2010**  
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
<b>Oregon</b>						
1. Portland General Electric Co.....	Investor-Owned	17,683,065	7,452,448	6,871,593	3,350,647	8,377
2. PacifiCorp.....	Investor-Owned	12,717,172	5,452,440	4,811,165	2,436,673	16,894
3. Eugene City of.....	Public	2,399,801	957,844	868,286	573,671	-
4. Central Lincoln People's Ut Dt.....	Public	1,212,851	420,380	190,561	601,910	-
5. Sempra Energy Solutions .....	Other Provider	1,128,870	-	482,609	646,261	-
Total Sales, Top Five Providers .....		35,141,759	14,283,112	13,224,214	7,609,162	25,271
Percent of Total State Sales .....		76	76	86	65	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, 2000 and 2004 Through 2010**  
(Megawatts)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Oregon</b>										
<b>Electric Utilities.....</b>	<b>10,337</b>	<b>9,555</b>	<b>9,839</b>	<b>9,971</b>	<b>10,502</b>	<b>10,491</b>	<b>10,683</b>	<b>10,846</b>	<b>91.7</b>	<b>76.1</b>
Coal.....	557	556	585	585	585	585	585	585	4.9	4.1
Natural Gas.....	706	725	967	962	1,354	1,364	1,341	1,337	6.3	9.4
Hydroelectric.....	9,045	8,239	8,281	8,319	8,329	8,308	8,373	8,365	80.2	58.7
Other Renewables <sup>1</sup> .....	29	35	5	106	235	235	384	559	0.3	3.9
<b>Independent Power Producers and Combined Heat and Power .....</b>	<b>938</b>	<b>2,538</b>	<b>2,360</b>	<b>2,362</b>	<b>2,707</b>	<b>2,838</b>	<b>3,302</b>	<b>3,415</b>	<b>8.3</b>	<b>23.9</b>
Coal.....	13	10	-	-	-	-	-	-	0.1	-
Natural Gas.....	624	2,047	1,803	1,803	1,747	1,704	1,700	1,655	5.5	11.6
Hydroelectric.....	96	91	55	55	57	57	57	60	0.9	0.4
Other Renewables <sup>1</sup> .....	206	390	502	504	903	1,077	1,545	1,701	1.8	11.9
<b>Total Electric Industry.....</b>	<b>11,275</b>	<b>12,093</b>	<b>12,198</b>	<b>12,333</b>	<b>13,209</b>	<b>13,328</b>	<b>13,985</b>	<b>14,261</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	570	566	585	585	585	585	585	585	5.1	4.1
Natural Gas.....	1,330	2,771	2,770	2,764	3,101	3,068	3,041	2,992	11.8	21.0
Hydroelectric.....	9,142	8,330	8,336	8,374	8,385	8,364	8,430	8,425	81.1	59.1
Other Renewables <sup>1</sup> .....	234	426	508	610	1,138	1,312	1,929	2,260	2.1	15.8

<sup>1</sup> Other Renewables includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

- (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, 2000 and 2004 Through 2010**  
(Megawatthours)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Oregon</b>										
<b>Electric Utilities.....</b>	<b>46,059,938</b>	<b>39,092,958</b>	<b>37,407,039</b>	<b>43,068,822</b>	<b>43,202,516</b>	<b>44,590,530</b>	<b>42,703,218</b>	<b>41,142,684</b>	<b>88.9</b>	<b>74.6</b>
Coal.....	3,785,462	3,535,764	3,463,644	2,370,628	4,351,624	4,044,319	3,196,902	4,126,435	7.3	7.5
Petroleum.....	52,038	20,305	47,427	4,323	5,044	9,974	2,825	3,330	0.1	*
Natural Gas.....	4,440,363	2,605,531	3,097,591	2,988,707	5,137,296	6,159,726	6,050,538	6,120,802	8.6	11.1
Hydroelectric.....	37,782,075	32,896,035	30,765,882	37,603,801	33,367,317	33,557,956	32,790,841	30,292,810	73.0	55.0
Other Renewables <sup>1</sup> .....	-	35,323	32,495	101,363	341,235	818,555	662,113	599,307	-	1.1
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>5,730,037</b>	<b>12,288,320</b>	<b>11,917,964</b>	<b>10,271,873</b>	<b>11,875,278</b>	<b>14,127,908</b>	<b>13,987,638</b>	<b>13,984,316</b>	<b>11.1</b>	<b>25.4</b>
Coal.....	17,298	19,897	2,842	-	-	-	-	-	*	-
Petroleum.....	16,174	42,628	30,760	7,497	9,243	4,819	5,130	91	*	*
Natural Gas.....	4,659,654	10,919,652	10,093,405	8,249,935	9,720,371	11,227,435	10,082,913	9,530,374	9.0	17.3
Hydroelectric.....	333,555	184,784	182,463	246,496	220,122	247,068	242,672	249,450	0.6	0.5
Other Renewables <sup>1</sup> .....	703,356	1,079,781	1,568,017	1,727,625	1,887,058	2,604,543	3,610,314	4,157,574	1.4	7.5
Other <sup>2</sup> .....	-	41,579	40,477	40,320	38,483	44,042	46,609	46,828	-	0.1
<b>Total Electric Industry.....</b>	<b>51,789,975</b>	<b>51,381,278</b>	<b>49,325,003</b>	<b>53,340,695</b>	<b>55,077,794</b>	<b>58,718,438</b>	<b>56,690,856</b>	<b>55,126,999</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	3,802,760	3,555,661	3,466,486	2,370,628	4,351,624	4,044,319	3,196,902	4,126,435	7.3	7.5
Petroleum.....	68,212	62,933	78,187	11,820	14,287	14,793	7,955	3,420	0.1	*
Natural Gas.....	9,100,017	13,525,183	13,190,996	11,238,642	14,857,668	17,387,162	16,133,451	15,651,176	17.6	28.4
Hydroelectric.....	38,115,630	33,080,819	30,948,345	37,850,297	33,587,439	33,805,024	33,033,513	30,542,260	73.6	55.4
Other Renewables <sup>1</sup> .....	703,356	1,115,104	1,600,512	1,828,988	2,228,293	3,423,099	4,272,427	4,756,880	1.4	8.6
Other <sup>2</sup> .....	-	41,579	40,477	40,320	38,483	44,042	46,609	46,828	-	0.1

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>2</sup> Other includes non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

\* = 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.

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

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, 2000 and 2004 Through 2010**

Fuel, Quality	2000	2004	2005	2006	2007	2008	2009	2010
<b>Oregon</b>								
Coal (cents per million Btu) .....	107	118	128	130	138	145	176	167
Average heat value (Btu per pound).....	8,636	8,402	8,356	8,321	8,360	8,339	8,426	8,431
Average sulfur Content (percent) .....	0.38	0.33	0.32	0.37	0.31	0.28	0.36	0.39
Petroleum (cents per million Btu) <sup>1</sup> .....	859	870	1,217	1,406	1,619	W	W	1,352
Average heat value (Btu per gallon).....	140,000	141,074	139,760	139,205	143,000	NM	137,910	143,598
Average sulfur Content (percent) .....	0.10	0.14	0.08	0.17	0.10	NM	0.55	0.32
Natural Gas (cents per million Btu).....	290	500	662	600	607	705	419	448
Average heat value (Btu per cubic foot).....	1,016	1,021	1,021	1,021	1,023	1,021	1,022	1,024

<sup>1</sup> 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, 2000 and 2004 Through 2010**  
(Thousand Metric Tons)

Emission Type	2000	2004	2005	2006	2007	2008	2009	2010
<b>Oregon</b>								
<b>Sulfur Dioxide .....</b>								
Coal.....	13	12	11	8	13	10	10	14
Petroleum.....	*	*	*	*	*	*	*	*
Natural Gas .....	*	*	*	*	*	*	*	*
Other Renewables <sup>1</sup> .....	2	2	3	3	3	1	2	2
Other <sup>2</sup> .....	*	*	*	*	*	*	*	*
Total .....	16	14	14	11	16	12	12	16
<b>Nitrogen Oxide .....</b>								
Coal.....	8	7	8	5	10	8	6	8
Petroleum.....	*	*	*	*	*	*	*	*
Natural Gas .....	6	4	4	5	6	4	4	3
Other Renewables <sup>1</sup> .....	1	2	2	2	2	2	2	3
Other <sup>2</sup> .....	*	*	*	*	*	*	*	*
Total .....	15	13	14	12	17	14	13	15
<b>Carbon Dioxide .....</b>								
Coal.....	3,850	3,517	3,458	2,354	4,191	3,859	3,033	3,954
Petroleum.....	78	71	88	16	20	20	11	3
Natural Gas .....	4,262	5,596	5,474	4,714	6,383	6,871	6,290	6,064
Other Renewables <sup>1</sup> .....	-	-	-	-	-	-	-	41
Other <sup>2</sup> .....	69	68	34	68	69	70	71	32
Total .....	8,259	9,252	9,053	7,152	10,663	10,821	9,406	10,094

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, and other biomass.

<sup>2</sup> Other includes non-biogenic municipal solid waste, tire-derived fuels, and miscellaneous technologies.

\* = 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.

Note: CO2 emissions for the historical years 1998 - 2008 have been revised due to changes in emission factors.

Sources: Calculations made by the Electric Power Systems and Reliability Team; Office of Electricity, Renewables, and Uranium Statistics; U. S. Energy Information Administration.

**Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 2000 and 2004 Through 2010**

Sector	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Oregon</b>										
<b>Retail Sales (thousand megawatthours) .....</b>										
Residential .....	18,212	18,001	18,339	18,978	19,374	19,910	19,804	18,839	36.2	40.9
Commercial .....	15,289	15,667	15,380	16,083	16,187	16,313	15,978	15,454	30.4	33.6
Industrial .....	16,353	11,954	12,684	12,991	13,117	12,945	11,761	11,708	32.5	25.4
Other .....	476	NA	NA	NA	NA	NA	NA	NA	0.9	--
Transportation.....	NA	16	17	18	18	19	24	25	--	0.1
All Sectors .....	50,330	45,636	46,419	48,069	48,697	49,187	47,567	46,026	100.0	100.0
<b>Retail Revenue (million dollars).....</b>										
Residential .....	1,071	1,293	1,330	1,419	1,586	1,691	1,719	1,672	43.5	48.0
Commercial .....	774	1,010	1,001	1,088	1,165	1,190	1,196	1,173	31.4	33.7
Industrial .....	582	529	613	630	664	674	641	633	23.7	18.2
Other .....	34	NA	NA	NA	NA	NA	NA	NA	1.4	--
Transportation.....	NA	1	1	1	1	1	2	2	--	0.1
All Sectors .....	2,460	2,833	2,945	3,139	3,416	3,556	3,557	3,479	100.0	100.0
<b>Average Retail Prices (cents/kWh) .....</b>										
Residential .....	5.88	7.18	7.25	7.48	8.19	8.49	8.68	8.87	--	--
Commercial .....	5.06	6.45	6.51	6.77	7.20	7.29	7.49	7.59	--	--
Industrial .....	3.56	4.43	4.83	4.85	5.06	5.21	5.45	5.41	--	--
Other .....	7.10	NA	NA	NA	NA	NA	NA	NA	--	--
Transportation.....	NA	6.50	6.36	6.40	6.71	6.75	6.83	6.99	--	--
All Sectors .....	4.89	6.21	6.34	6.53	7.02	7.23	7.48	7.56	--	--

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, 2010**

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
<b>Oregon</b>								
Number of Entities.....	3	18	1	19	NA	3	3	47
Number of Retail Customers .....	1,396,231	294,053	1	199,667	NA	270	NA	1,890,222
Retail Sales (thousand megawatthours).....	31,029	8,939	4	4,554	NA	1,500	NA	46,026
Percentage of Retail Sales .....	67.42	19.42	0.01	9.89	--	3.26	--	100.00
Revenue from Retail Sales (million dollars) .....	2,541	526	*	329	NA	66	16	3,479
Percentage of Revenue .....	73.03	15.13	*	9.46	--	1.91	0.46	100.00
Average Retail Price (cents/kWh).....	8.19	5.89	3.51	7.23	NA	4.43	1.06	7.56

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: 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. "Non-utility" sales represent direct electricity transactions from independent generators to end use consumers. Totals may not equal sum of components because of independent rounding.

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

**Table 10. Supply and Disposition of Electricity, 2000 and 2004 Through 2010**  
(Million Kilowatthours)

Category	2000	2004	2005	2006	2007	2008	2009	2010
<b>Oregon</b>								
<b>Supply</b> .....								
<b>Generation</b> .....								
Electric Utilities .....	46,060	39,093	37,407	43,069	43,203	44,591	42,703	41,143
Independent Power Producers .....	496	4,801	4,493	4,055	4,269	5,801	6,621	6,953
Combined Heat and Power, Electric .....	4,464	5,891	5,947	4,831	6,181	6,952	6,386	6,421
<b>Electric Power Sector Generation Subtotal</b> .....	<b>51,020</b>	<b>49,785</b>	<b>47,847</b>	<b>51,955</b>	<b>53,653</b>	<b>57,344</b>	<b>55,710</b>	<b>54,516</b>
Combined Heat and Power, Commercial .....	6	6	5	4	17	26	18	21
Combined Heat and Power, Industrial.....	764	1,591	1,473	1,382	1,408	1,348	963	590
<b>Industrial and Commercial Generation Subtotal</b> .....	<b>770</b>	<b>1,596</b>	<b>1,478</b>	<b>1,386</b>	<b>1,425</b>	<b>1,375</b>	<b>981</b>	<b>611</b>
<b>Total Net Generation</b> .....	<b>51,790</b>	<b>51,381</b>	<b>49,325</b>	<b>53,341</b>	<b>55,078</b>	<b>58,718</b>	<b>56,691</b>	<b>55,127</b>
<b>Total International Imports</b> .....	<b>180</b>	<b>2,523</b>	<b>521</b>	<b>456</b>	<b>1,441</b>	<b>597</b>	<b>761</b>	<b>435</b>
<b>Total Supply</b> .....	<b>51,970</b>	<b>53,904</b>	<b>49,846</b>	<b>53,797</b>	<b>56,519</b>	<b>59,315</b>	<b>57,452</b>	<b>55,562</b>
<b>Disposition</b> .....								
<b>Retail Sales</b> .....								
Full Service Providers .....	50,330	44,791	44,865	46,962	46,428	46,659	45,254	44,526
Energy-Only Providers.....	-	845	1,555	1,107	2,269	2,518	2,312	1,500
Facility Direct Retail Sales <sup>1</sup> .....	-	-	-	-	-	11	1	-
<b>Total Electric Industry Retail Sales</b> .....	<b>50,330</b>	<b>45,636</b>	<b>46,419</b>	<b>48,069</b>	<b>48,697</b>	<b>49,187</b>	<b>47,567</b>	<b>46,026</b>
<b>Direct Use</b> .....	<b>769</b>	<b>691</b>	<b>1,266</b>	<b>1,419</b>	<b>1,329</b>	<b>1,459</b>	<b>948</b>	<b>530</b>
<b>Total International Exports</b> .....	<b>27</b>	<b>77</b>	<b>445</b>	<b>470</b>	<b>207</b>	<b>272</b>	<b>472</b>	<b>216</b>
<b>Estimated Losses</b> .....	<b>3,582</b>	<b>2,883</b>	<b>3,228</b>	<b>3,570</b>	<b>3,790</b>	<b>3,726</b>	<b>3,337<sup>R</sup></b>	<b>3,170</b>
<b>Net Interstate Trade</b> <sup>2</sup> .....	<b>-2,738</b>	<b>4,615</b>	<b>-1,512</b>	<b>269</b>	<b>2,496</b>	<b>4,669</b>	<b>5,127</b>	<b>5,620</b>
<b>Total Disposition</b> .....	<b>51,970</b>	<b>53,904</b>	<b>49,846</b>	<b>53,797</b>	<b>56,519</b>	<b>59,315</b>	<b>57,452</b>	<b>55,562</b>
<b>Net Trade Index (ratio)</b> <sup>3</sup> .....	<b>0.95</b>	<b>1.09</b>	<b>0.97</b>	<b>1.01</b>	<b>1.05</b>	<b>1.09</b>	<b>1.10</b>	<b>1.11</b>

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

<sup>2</sup> Net Interstate Trade = Total Supply - (Total Electric Industry Retail Sales + Direct Use + Total International Exports (if applies) + Estimated Losses).

<sup>3</sup> Net Trade Index is the sum of Total Supply / (Total Disposition - Net Interstate Trade).

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. Beginning with publication year 2010, Total disposition has been reorganized to include Net Interstate Trade. Therefore, Total Disposition equals Total Supply.

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. 2010 Summary Statistics**

Item	Value	U.S. Rank
<b>Pennsylvania</b>		
NERC Region(s).....		<b>RFC</b>
Primary Energy Source.....		<b>Coal</b>
Net Summer Capacity (megawatts) .....	<b>45,575</b>	<b>4</b>
Electric Utilities.....	455	44
Independent Power Producers & Combined Heat and Power.....	45,120	2
Net Generation (megawatthours).....	<b>229,752,306</b>	<b>2</b>
Electric Utilities.....	1,086,500	42
Independent Power Producers & Combined Heat and Power.....	228,665,806	2
Emissions (thousand metric tons) .....		
Sulfur Dioxide .....	387	3
Nitrogen Oxide.....	136	2
Carbon Dioxide.....	122,830	3
Sulfur Dioxide (lbs/MWh) .....	3.7	13
Nitrogen Oxide (lbs/MWh) .....	1.3	27
Carbon Dioxide (lbs/MWh).....	1,179	32
Total Retail Sales (megawatthours) .....	<b>148,963,968</b>	<b>5</b>
Full Service Provider Sales (megawatthours) .....	114,787,417	6
Energy-Only Provider Sales (megawatthours).....	34,176,551	4
Direct Use (megawatthours) .....	<b>2,783,710</b>	<b>11</b>
Average Retail Price (cents/kWh).....	<b>10.31</b>	<b>16</b>

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, 2010**

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
<b>Pennsylvania</b>			
1. Bruce Mansfield .....	Coal	FirstEnergy Generation Corp	2,510
2. PPL Susquehanna .....	Nuclear	PPL Susquehanna LLC	2,450
3. Limerick.....	Nuclear	Exelon Nuclear	2,264
4. Peach Bottom.....	Nuclear	Exelon Nuclear	2,244
5. Homer City Station.....	Coal	Midwest Generations EME LLC	1,884
6. Beaver Valley .....	Nuclear	FirstEnergy Nuclear Operating Company	1,777
7. Conemaugh.....	Coal	RRI Energy NE Management Co	1,712
8. Keystone .....	Coal	RRI Energy NE Management Co	1,711
9. PPL Martins Creek .....	Gas	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, 2010**  
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
1. PECO Energy Co.....	Investor-Owned	39,309,931	13,882,865	8,338,906	16,332,741	755,419
2. West Penn Power Co.....	Investor-Owned	19,289,455	7,407,604	4,513,731	7,354,772	13,348
3. PPL Electric Utilities Corp.....	Investor-Owned	15,992,689	10,452,664	4,185,504	1,346,875	7,646
4. Metropolitan Edison Co.....	Investor-Owned	13,585,688	5,653,878	4,597,757	3,334,053	-
5. Pennsylvania Electric Co.....	Investor-Owned	13,542,819	4,614,039	5,181,538	3,747,242	-
Total Sales, Top Five Providers.....		101,720,582	42,011,050	26,817,436	32,115,683	776,413
Percent of Total State Sales.....		68	76	57	71	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, 2000 and 2004 Through 2010**  
(Megawatts)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Electric Utilities.....</b>	<b>13,394</b>	<b>4,968</b>	<b>455</b>	<b>455</b>	<b>455</b>	<b>455</b>	<b>455</b>	<b>455</b>	<b>36.3</b>	<b>1.0</b>
Coal.....	3,133	2,407	-	-	-	-	-	-	8.5	-
Petroleum.....	1,999	-	-	-	-	-	-	-	5.4	-
Natural Gas.....	315	30	30	30	30	30	30	30	0.9	0.1
Nuclear.....	6,090	1,652	-	-	-	-	-	-	16.5	-
Hydroelectric.....	444	444	425	425	425	425	425	425	1.2	0.9
Pumped Storage.....	1,412	435	-	-	-	-	-	-	3.8	-
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>23,455</b>	<b>40,168</b>	<b>44,442</b>	<b>44,551</b>	<b>44,651</b>	<b>44,675</b>	<b>45,156</b>	<b>45,120</b>	<b>63.7</b>	<b>99.0</b>
Coal.....	15,617	16,255	18,659	18,771	18,581	18,513	18,539	18,481	42.4	40.6
Petroleum.....	2,942	4,918	4,604	4,664	4,660	4,540	4,533	4,534	8.0	9.9
Natural Gas.....	1,140	9,354	9,371	9,319	9,380	9,477	9,461	9,384	3.1	20.6
Other Gases <sup>1</sup> .....	119	110	110	110	100	94	101	100	0.3	0.2
Nuclear.....	2,970	7,577	9,195	9,234	9,305	9,337	9,455	9,540	8.1	20.9
Hydroelectric.....	255	307	322	322	323	326	322	322	0.7	0.7
Other Renewables <sup>2</sup> .....	394	578	675	618	781	868	1,224	1,237	1.1	2.7
Pumped Storage.....	-	1,070	1,505	1,513	1,521	1,521	1,521	1,521	-	3.3
Other <sup>3</sup> .....	17	-	-	-	-	-	-	-	*	-
<b>Total Electric Industry.....</b>	<b>36,848</b>	<b>45,136</b>	<b>44,897</b>	<b>45,005</b>	<b>45,106</b>	<b>45,130</b>	<b>45,611</b>	<b>45,575</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	18,750	18,662	18,659	18,771	18,581	18,513	18,539	18,481	50.9	40.6
Petroleum.....	4,941	4,918	4,604	4,664	4,660	4,540	4,533	4,534	13.4	9.9
Natural Gas.....	1,455	9,384	9,400	9,349	9,410	9,507	9,491	9,415	3.9	20.7
Other Gases <sup>1</sup> .....	119	110	110	110	100	94	101	100	0.3	0.2
Nuclear.....	9,060	9,229	9,195	9,234	9,305	9,337	9,455	9,540	24.6	20.9
Hydroelectric.....	700	751	748	748	748	751	747	747	1.9	1.6
Other Renewables <sup>2</sup> .....	394	578	675	618	781	868	1,224	1,237	1.1	2.7
Pumped Storage.....	1,412	1,505	1,505	1,513	1,521	1,521	1,521	1,521	3.8	3.3
Other <sup>3</sup> .....	17	-	-	-	-	-	-	-	*	-

<sup>1</sup> Other gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

<sup>2</sup> Other Renewables includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>3</sup> Other includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

\* = 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, 2000 and 2004 Through 2010**  
(Megawatthours)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Pennsylvania</b>										
<b>Electric Utilities.....</b>	<b>97,075,771</b>	<b>33,900,004</b>	<b>1,058,313</b>	<b>1,311,434</b>	<b>1,077,389</b>	<b>1,224,597</b>	<b>1,159,659</b>	<b>1,086,500</b>	<b>48.1</b>	<b>0.5</b>
Coal.....	36,704,124	18,396,944	-	-	-	-	-	-	18.2	-
Petroleum.....	1,656,505	32,129	7,717	2,942	-	873	710	525	0.8	*
Natural Gas.....	231,095	25,316	34,394	13,923	-	24,676	5,899	14,349	0.1	*
Nuclear.....	57,267,756	13,993,379	-	-	-	-	-	-	28.4	-
Hydroelectric.....	1,626,887	1,666,727	1,016,202	1,294,569	1,077,389	1,199,048	1,153,050	1,071,626	0.8	0.5
Pumped Storage.....	-410,596	-214,491	-	-	-	-	-	-	-0.2	-
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>104,612,209</b>	<b>180,758,497</b>	<b>217,032,812</b>	<b>217,500,161</b>	<b>225,010,951</b>	<b>221,126,328</b>	<b>218,336,485</b>	<b>228,665,806</b>	<b>51.9</b>	<b>99.5</b>
Coal.....	79,508,437	98,778,839	120,933,254	122,557,903	122,693,094	117,583,412	105,474,534	110,369,292	39.4	48.0
Petroleum.....	2,091,650	4,109,684	4,931,845	1,515,515	1,484,074	937,051	914,377	570,820	1.0	0.2
Natural Gas.....	2,467,977	9,788,331	10,773,356	13,527,805	19,197,600	18,705,931	29,209,056	33,703,259	1.2	14.7
Other Gases <sup>1</sup> .....	597,995	583,772	540,065	554,432	533,986	609,664	442,504	551,509	0.3	0.2
Nuclear.....	16,503,591	63,465,253	76,289,432	75,297,632	77,376,316	78,658,093	77,327,686	77,828,348	8.2	33.9
Hydroelectric.....	663,345	1,488,611	1,215,977	1,549,573	1,158,593	1,349,810	1,529,816	1,260,575	0.3	0.5
Other Renewables <sup>2</sup> .....	2,730,463	2,275,653	2,329,308	2,472,946	2,546,196	2,803,776	3,351,928	4,245,175	1.4	1.8
Pumped Storage.....	-	-471,393	-711,041	-698,177	-722,855	-353,762	-730,511	-707,779	-	-0.3
Other <sup>3</sup> .....	48,751	739,746	730,615	722,532	743,948	832,354	817,094	844,607	*	0.4
<b>Total Electric Industry.....</b>	<b>201,687,980</b>	<b>214,658,501</b>	<b>218,091,125</b>	<b>218,811,595</b>	<b>226,088,340</b>	<b>222,350,925</b>	<b>219,496,144</b>	<b>229,752,306</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	116,212,561	117,175,783	120,933,254	122,557,903	122,693,094	117,583,412	105,474,534	110,369,292	57.6	48.0
Petroleum.....	3,748,155	4,141,813	4,939,562	1,518,457	1,484,074	937,924	915,087	571,345	1.9	0.2
Natural Gas.....	2,699,072	9,813,647	10,807,750	13,541,728	19,197,600	18,730,607	29,214,955	33,717,608	1.3	14.7
Other Gases <sup>1</sup> .....	597,995	583,772	540,065	554,432	533,986	609,664	442,504	551,509	0.3	0.2
Nuclear.....	73,771,347	77,458,632	76,289,432	75,297,632	77,376,316	78,658,093	77,327,686	77,828,348	36.6	33.9
Hydroelectric.....	2,290,232	3,155,338	2,232,179	2,844,142	2,235,982	2,548,858	2,682,866	2,332,201	1.1	1.0
Other Renewables <sup>2</sup> .....	2,730,463	2,275,653	2,329,308	2,472,946	2,546,196	2,803,776	3,351,928	4,245,175	1.4	1.8
Pumped Storage.....	-410,596	-685,884	-711,041	-698,177	-722,855	-353,762	-730,511	-707,779	-0.2	-0.3
Other <sup>3</sup> .....	48,751	739,746	730,615	722,532	743,948	832,354	817,094	844,607	*	0.4

<sup>1</sup> Other gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

<sup>2</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>3</sup> Other includes non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

\* = 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.

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

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, 2000 and 2004 Through 2010**

Fuel, Quality	2000	2004	2005	2006	2007	2008	2009	2010
<b>Pennsylvania</b>								
Coal (cents per million Btu) .....	115	137	159	172	175	210	230	241
Average heat value (Btu per pound).....	12,670	11,615	11,741	11,459	11,400	11,079	10,940	11,063
Average sulfur Content (percent) .....	2.26	2.00	1.94	2.09	2.08	2.09	2.21	2.39
Petroleum (cents per million Btu) <sup>1</sup> .....	292	451	746	762	916	1,181	762	1,484
Average heat value (Btu per gallon).....	125,114	144,343	146,174	139,310	139,290	138,850	138,731	139,112
Average sulfur Content (percent) .....	2.15	1.42	1.07	1.87	1.73	1.71	1.57	0.54
Natural Gas (cents per million Btu).....	371	723	990	772	780	1,016	461	519
Average heat value (Btu per cubic foot).....	1,033	1,033	1,033	1,033	1,035	1,031	1,027	1,025

<sup>1</sup> 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, 2000 and 2004 Through 2010**  
(Thousand Metric Tons)

Emission Type	2000	2004	2005	2006	2007	2008	2009	2010
<b>Pennsylvania</b>								
<b>Sulfur Dioxide .....</b>								
Coal.....	1,010	904	994	819	870	772	576	381
Petroleum.....	28	21	20	17	16	3	4	2
Natural Gas.....	*	*	*	*	*	*	*	*
Other Gases.....	*	*	*	*	*	*	*	*
Other Renewables <sup>1</sup> .....	4	3	3	3	3	3	3	3
Other <sup>2</sup> .....	5	*	1	*	*	1	1	1
Total.....	1,047	929	1,019	839	889	780	585	387
<b>Nitrogen Oxide .....</b>								
Coal.....	197	160	161	156	163	165	105	119
Petroleum.....	8	9	10	7	8	2	1	1
Natural Gas.....	5	4	4	4	4	4	3	4
Other Gases.....	1	1	1	*	*	1	1	*
Other Renewables <sup>1</sup> .....	3	3	3	3	3	3	5	6
Other <sup>2</sup> .....	7	5	8	5	5	6	6	6
Total.....	221	182	186	176	183	181	120	136
<b>Carbon Dioxide .....</b>								
Coal.....	116,501	112,673	116,483	118,308	117,884	113,187	102,205	106,932
Petroleum.....	4,353	4,154	5,246	1,409	1,639	1,155	976	569
Natural Gas.....	2,139	4,990	5,209	6,302	8,481	8,192	12,029	13,916
Other Gases.....	2	4	1	7	2	1	1	1
Other Renewables <sup>1</sup> .....	-	-	-	-	-	-	-	743
Other <sup>2</sup> .....	1,255	1,190	1,184	1,241	1,292	1,461	1,410	668
Total.....	124,249	123,012	128,123	127,266	129,297	123,997	116,621	122,830

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, and other biomass.

<sup>2</sup> Other includes non-biogenic municipal solid waste, tire-derived fuels, and miscellaneous technologies.

\* = 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.

Note: CO2 emissions for the historical years 1998 - 2008 have been revised due to changes in emission factors.

Sources: Calculations made by the Electric Power Systems and Reliability Team; Office of Electricity, Renewables, and Uranium Statistics; U. S. Energy Information Administration.

**Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 2000 and 2004 Through 2010**

Sector	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Pennsylvania</b>										
<b>Retail Sales (thousand megawatthours) .....</b>										
Residential .....	45,008	50,663	53,661	51,790	54,587	54,060	52,906	55,253	33.6	37.1
Commercial .....	42,002	44,355	45,782	45,624	47,531	47,347	46,411	47,366	31.4	31.8
Industrial .....	45,449	47,659	47,950	47,920	48,579	48,131	43,552	45,458	34.0	30.5
Other .....	1,387	NA	NA	NA	NA	NA	NA	NA	1.0	--
Transportation.....	NA	823	880	816	876	863	879	887	--	0.6
All Sectors .....	133,845	143,501	148,273	146,150	151,573	150,401	143,747	148,964	100.0	100.0
<b>Retail Revenue (million dollars).....</b>										
Residential .....	4,291	4,853	5,289	5,359	5,977	6,137	6,162	7,017	41.9	45.7
Commercial .....	3,238	3,774	3,890	4,081	4,375	4,441	4,429	4,783	31.6	31.2
Industrial .....	2,559	2,799	3,018	3,179	3,338	3,378	3,139	3,481	25.0	22.7
Other .....	149	NA	NA	NA	NA	NA	NA	NA	1.5	--
Transportation.....	NA	60	64	61	68	65	68	70	--	0.5
All Sectors .....	10,237	11,486	12,261	12,680	13,757	14,021	13,798	15,351	100.0	100.0
<b>Average Retail Prices (cents/kWh) .....</b>										
Residential .....	9.53	9.58	9.86	10.35	10.95	11.35	11.65	12.70	--	--
Commercial .....	7.71	8.51	8.50	8.94	9.20	9.38	9.54	10.10	--	--
Industrial .....	5.63	5.87	6.29	6.63	6.87	7.02	7.21	7.66	--	--
Other .....	10.71	NA	NA	NA	NA	NA	NA	NA	--	--
Transportation.....	NA	7.32	7.22	7.45	7.72	7.57	7.77	7.92	--	--
All Sectors .....	7.65	8.00	8.27	8.68	9.08	9.32	9.60	10.31	--	--

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, 2010**

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
<b>Pennsylvania</b>								
Number of Entities.....	11	35	NA	13	NA	34	9	102
Number of Retail Customers .....	5,107,864	83,621	NA	217,519	NA	541,357	NA	5,950,361
Retail Sales (thousand megawatthours).....	110,574	1,449	NA	2,765	NA	34,177	NA	148,964
Percentage of Retail Sales .....	74.23	0.97	--	1.86	--	22.94	--	100.00
Revenue from Retail Sales (million dollars) .....	11,666	195	NA	307	NA	2,638	546	15,351
Percentage of Revenue .....	76.00	1.27	--	2.00	--	17.18	3.55	100.00
Average Retail Price (cents/kWh).....	10.55	13.45	NA	11.10	NA	7.72	1.60	10.31

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Data are shown for All Sectors. Full Service Providers sell bundled electricity services (e.g., both energy and delivery) to end users. Full Service Providers may purchase electricity from others (such as independent Power Producers or other full service providers) prior to delivery. Other Providers sell either the energy or the delivery services, but not both. Sales volumes and customer counts shown for Other Providers refer to delivered electricity, which is a joint activity of both energy and delivery providers; for clarity, they are reported only in the Energy column in this table. The revenue shown under Other Providers represents the revenue realized from the sale of the energy and the delivery services distinctly. "Public" entities include municipalities, State power agencies, and municipal marketing authorities. Federal entities are either owned or financed by the Federal Government. "Cooperatives" are electric utilities legally established to be owned by and operated for the benefit of those using its services. The cooperative will generate, transmit and/or distribute supplies of electric energy to a specified area not being serviced by another utility. "Non-utility" sales represent direct electricity transactions from independent generators to end use consumers. Totals may not equal sum of components because of independent rounding.

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

**Table 10. Supply and Disposition of Electricity, 2000 and 2004 Through 2010**  
(Million Kilowatthours)

Category	2000	2004	2005	2006	2007	2008	2009	2010
<b>Pennsylvania</b>								
<b>Supply</b> .....								
<b>Generation</b> .....								
Electric Utilities .....	97,076	33,900	1,058	1,311	1,077	1,225	1,160	1,087
Independent Power Producers .....	93,924	170,336	205,816	205,075	212,668	209,081	205,083	213,653
Combined Heat and Power, Electric .....	6,558	6,676	7,629	8,854	9,033	8,978	10,278	12,168
<b>Electric Power Sector Generation Subtotal</b> .....	<b>197,557</b>	<b>210,912</b>	<b>214,503</b>	<b>215,240</b>	<b>222,778</b>	<b>219,284</b>	<b>216,521</b>	<b>226,908</b>
Combined Heat and Power, Commercial .....	428	414	408	400	385	246	239	256
Combined Heat and Power, Industrial.....	3,703	3,332	3,181	3,172	2,925	2,821	2,736	2,588
<b>Industrial and Commercial Generation Subtotal</b> .....	<b>4,131</b>	<b>3,746</b>	<b>3,589</b>	<b>3,571</b>	<b>3,310</b>	<b>3,067</b>	<b>2,976</b>	<b>2,845</b>
<b>Total Net Generation</b> .....	<b>201,688</b>	<b>214,659</b>	<b>218,091</b>	<b>218,812</b>	<b>226,088</b>	<b>222,351</b>	<b>219,496</b>	<b>229,752</b>
<b>Total International Imports</b> .....	-	86	30	32	158	889	616	769
<b>Total Supply</b> .....	<b>201,688</b>	<b>214,745</b>	<b>218,122</b>	<b>218,843</b>	<b>226,246</b>	<b>223,240</b>	<b>220,113</b>	<b>230,521</b>
<b>Disposition</b> .....								
<b>Retail Sales</b> .....								
Full Service Providers .....	98,142	130,848	137,221	137,244	140,610	139,119	132,726	114,787
Energy-Only Providers.....	35,703	12,653	11,052	8,906	10,963	11,282	11,021	34,177
<b>Total Electric Industry Retail Sales</b> .....	<b>133,845</b>	<b>143,501</b>	<b>148,273</b>	<b>146,150</b>	<b>151,573</b>	<b>150,401</b>	<b>143,747</b>	<b>148,964</b>
<b>Direct Use</b> .....	<b>4,665</b>	<b>4,483</b>	<b>3,287</b>	<b>2,872</b>	<b>2,324</b>	<b>4,460</b>	<b>2,857</b>	<b>2,784</b>
<b>Total International Exports</b> .....	-	263	317	127	96	356	446	348
<b>Estimated Losses</b> .....	<b>9,526</b>	<b>11,010</b>	<b>11,665<sup>R</sup></b>	<b>11,264</b>	<b>12,141</b>	<b>10,948</b>	<b>9,890</b>	<b>11,506</b>
<b>Net Interstate Trade<sup>1</sup></b> .....	<b>53,652</b>	<b>55,488<sup>R</sup></b>	<b>54,579</b>	<b>58,430</b>	<b>60,112</b>	<b>57,075</b>	<b>63,172</b>	<b>66,919</b>
<b>Total Disposition</b> .....	<b>201,688</b>	<b>214,745</b>	<b>218,122</b>	<b>218,843</b>	<b>226,246</b>	<b>223,240</b>	<b>220,113</b>	<b>230,521</b>
<b>Net Trade Index (ratio)<sup>2</sup></b> .....	<b>1.36</b>	<b>1.35</b>	<b>1.33</b>	<b>1.36</b>	<b>1.36</b>	<b>1.34</b>	<b>1.40</b>	<b>1.41</b>

<sup>1</sup> Net Interstate Trade = Total Supply - (Total Electric Industry Retail Sales + Direct Use + Total International Exports (if applies) + Estimated Losses).

<sup>2</sup> Net Trade Index is the sum of Total Supply / (Total Disposition - Net Interstate Trade).

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. Beginning with publication year 2010, Total disposition has been reorganized to include Net Interstate Trade. Therefore, Total Disposition equals Total Supply.

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. 2010 Summary Statistics**

Item	Value	U.S. Rank
<b>Rhode Island</b>		
NERC Region(s).....		NPCC
Primary Energy Source.....		Gas
Net Summer Capacity (megawatts) .....	1,782	49
Electric Utilities.....	7	50
Independent Power Producers & Combined Heat and Power.....	1,775	37
Net Generation (megawatthours).....	7,738,719	47
Electric Utilities.....	10,827	47
Independent Power Producers & Combined Heat and Power.....	7,727,892	33
Emissions (thousand metric tons) .....		
Sulfur Dioxide .....	*	50
Nitrogen Oxide.....	3	49
Carbon Dioxide.....	3,217	48
Sulfur Dioxide (lbs/MWh) .....	*	50
Nitrogen Oxide (lbs/MWh) .....	0.8	42
Carbon Dioxide (lbs/MWh).....	916	39
Total Retail Sales (megawatthours) .....	7,799,227	49
Full Service Provider Sales (megawatthours) .....	5,351,848	49
Energy-Only Provider Sales (megawatthours).....	2,447,379	16
Direct Use (megawatthours) .....	53,446	45
Average Retail Price (cents/kWh).....	14.08	8

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, 2010**

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
<b>Rhode Island</b>			
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 II.....	Gas	Ocean State Power II	219
4. Ocean State Power.....	Gas	Ocean State Power Co	219
6. Pawtucket Power Associates .....	Gas	Pawtucket Power Associates LP	63
7. Ridgewood Providence Power .....	Other Renewables	Ridgewood Power Management LLC	24
8. Central Power Plant.....	Gas	State of Rhode Island	10
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, 2010**  
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
<b>Rhode Island</b>						
1. The Narragansett Electric Co .....	Investor-Owned	5,287,440	3,068,731	1,938,910	279,799	-
2. Constellation NewEnergy, Inc.....	Other Provider	594,900	-	387,627	191,168	16,105
3. TransCanada Power Mktg Ltd.....	Other Provider	501,659	-	-	501,659	-
4. Hess Retail Natural Gas and Elec. Acctg.....	Other Provider	389,583	-	116,875	272,708	-
5. Glacial Energy Holdings .....	Other Provider	283,973	-	283,973	-	-
Total Sales, Top Five Providers .....		7,057,555	3,068,731	2,727,385	1,245,334	16,105
Percent of Total State Sales .....		90	98	74	100	59

- (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, 2000 and 2004 Through 2010**  
(Megawatts)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Rhode Island</b>										
<b>Electric Utilities.....</b>	<b>6</b>	<b>9</b>	<b>6</b>	<b>8</b>	<b>8</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>0.5</b>	<b>0.4</b>
Petroleum.....	5	7	5	7	7	7	7	7	0.4	0.4
Hydroelectric .....	1	1	1	1	1	-	-	-	0.1	-
<b>Independent Power Producers and Combined Heat and Power .....</b>	<b>1,187</b>	<b>1,734</b>	<b>1,742</b>	<b>1,763</b>	<b>1,774</b>	<b>1,774</b>	<b>1,774</b>	<b>1,775</b>	<b>99.5</b>	<b>99.6</b>
Petroleum.....	20	24	24	24	22	19	10	10	1.6	0.5
Natural Gas.....	1,150	1,692	1,691	1,712	1,725	1,728	1,738	1,738	96.4	97.5
Hydroelectric .....	3	3	3	3	3	3	3	3	0.2	0.2
Other Renewables <sup>1</sup> .....	15	15	24	24	24	24	24	25	1.3	1.4
<b>Total Electric Industry.....</b>	<b>1,193</b>	<b>1,743</b>	<b>1,748</b>	<b>1,771</b>	<b>1,782</b>	<b>1,780</b>	<b>1,780</b>	<b>1,782</b>	<b>100.0</b>	<b>100.0</b>
Petroleum.....	24	31	29	31	29	26	16	16	2.0	0.9
Natural Gas.....	1,150	1,692	1,691	1,712	1,725	1,728	1,738	1,738	96.4	97.5
Hydroelectric .....	4	4	4	4	4	3	3	3	0.4	0.2
Other Renewables <sup>1</sup> .....	15	15	24	24	24	24	24	25	1.3	1.4

<sup>1</sup> Other Renewables includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

- (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, 2000 and 2004 Through 2010**  
(Megawatthours)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Rhode Island</b>										
<b>Electric Utilities.....</b>	<b>10,823</b>	<b>12,402</b>	<b>10,805</b>	<b>11,008</b>	<b>11,075</b>	<b>10,612</b>	<b>10,612</b>	<b>10,827</b>	<b>0.2</b>	<b>0.1</b>
Petroleum.....	10,823	12,402	10,805	11,008	11,075	10,612	10,612	10,827	0.2	0.1
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>5,960,722</b>	<b>4,927,018</b>	<b>6,042,489</b>	<b>5,956,717</b>	<b>7,038,769</b>	<b>7,376,654</b>	<b>7,686,212</b>	<b>7,727,892</b>	<b>99.8</b>	<b>99.9</b>
Petroleum.....	48,802	36,123	46,365	21,668	22,876	15,722	6,519	832	0.8	*
Natural Gas.....	5,791,814	4,783,907	5,989,390	5,780,227	6,856,772	7,197,548	7,530,358	7,583,281	97.0	98.0
Hydroelectric.....	4,867	5,461	6,734	5,909	4,364	4,977	4,736	3,706	0.1	*
Other Renewables <sup>1</sup> .....	115,239	101,526	-	148,913	154,757	158,407	144,600	140,073	1.9	1.8
<b>Total Electric Industry.....</b>	<b>5,971,545</b>	<b>4,939,420</b>	<b>6,053,294</b>	<b>5,967,725</b>	<b>7,049,844</b>	<b>7,387,266</b>	<b>7,696,824</b>	<b>7,738,719</b>	<b>100.0</b>	<b>100.0</b>
Petroleum.....	59,625	48,525	57,170	32,676	33,951	26,334	17,131	11,659	1.0	0.2
Natural Gas.....	5,791,814	4,783,907	5,989,390	5,780,227	6,856,772	7,197,548	7,530,358	7,583,281	97.0	98.0
Hydroelectric.....	4,867	5,461	6,734	5,909	4,364	4,977	4,736	3,706	0.1	*
Other Renewables <sup>1</sup> .....	115,239	101,526	-	148,913	154,757	158,407	144,600	140,073	1.9	1.8

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

\* = 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.

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

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, 2000 and 2004 Through 2010**

Fuel, Quality	2000	2004	2005	2006	2007	2008	2009	2010
<b>Rhode Island</b>								
Petroleum (cents per million Btu) <sup>1</sup> .....	-	W	W	-	W	1,649	W	1,561
Average heat value (Btu per gallon).....	-	140,562	135,160	-	138,571	141,786	145,243	140,864
Average sulfur Content (percent).....	-	0.09	0.03	-	0.15	0.30	0.46	0.25
Natural Gas (cents per million Btu).....	-	680	951	734	781	W	W	538
Average heat value (Btu per cubic foot).....	-	1,036	1,018	1,032	1,031	1,020	1,023	1,014

<sup>1</sup> 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, 2000 and 2004 Through 2010**  
(Thousand Metric Tons)

Emission Type	2000	2004	2005	2006	2007	2008	2009	2010
<b>Rhode Island</b>								
<b>Sulfur Dioxide</b> .....								
Petroleum.....	1	1	1	1	1	*	*	*
Natural Gas.....	*	*	*	*	*	*	*	*
Other Renewables <sup>1</sup> .....	*	*	*	*	*	*	*	*
Total.....	1	1	1	1	1	*	*	*
<b>Nitrogen Oxide</b> .....								
Petroleum.....	*	*	*	1	*	*	*	*
Natural Gas.....	1	*	*	*	1	1	1	1
Other Renewables <sup>1</sup> .....	1	1	1	2	2	3	2	2
Total.....	3	2	2	3	3	3	3	3
<b>Carbon Dioxide</b> .....								
Petroleum.....	199	166	195	119	102	29	34	15
Natural Gas.....	2,681	1,952	2,421	2,408	2,859	2,959	3,147	3,202
Total.....	2,879	2,118	2,616	2,526	2,961	2,988	3,181	3,217

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, and other biomass.

\* = 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 \*).

Note: CO2 emissions for the historical years 1998 - 2008 have been revised due to changes in emission factors.

Sources: Calculations made by the Electric Power Systems and Reliability Team; Office of Electricity, Renewables, and Uranium Statistics; U. S. Energy Information Administration.

**Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 2000 and 2004 Through 2010**

Sector	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Rhode Island</b>										
<b>Retail Sales (thousand megawatthours) .....</b>										
Residential .....	2,664	3,000	3,171	3,008	3,132	3,043	2,937	3,118	36.5	40.0
Commercial .....	3,166	3,542	3,628	3,599	3,710	3,700	3,691	3,693	43.4	47.4
Industrial .....	1,394	1,345	1,250	1,191	1,171	1,075	990	961	19.1	12.3
Other .....	78	NA	NA	NA	NA	NA	NA	NA	1.1	--
Transportation.....	NA	NA	NA	NA	NA	NA	NA	27	--	0.3
All Sectors .....	7,301	7,888	8,049	7,799	8,013	7,819	7,618	7,799	100.0	100.0
<b>Retail Revenue (million dollars).....</b>										
Residential .....	301	366	413	455	440	531	458	496	40.4	45.2
Commercial .....	301	373	425	486	470	568	504	484	40.5	44.1
Industrial .....	122	126	125	149	141	153	121	114	16.4	10.3
Other .....	20	NA	NA	NA	NA	NA	NA	NA	2.6	--
Transportation.....	NA	NA	NA	NA	NA	NA	NA	4	--	0.3
All Sectors .....	743	865	963	1,090	1,051	1,252	1,084	1,098	100.0	100.0
<b>Average Retail Prices (cents/kWh) .....</b>										
Residential .....	11.28	12.19	13.04	15.12	14.05	17.45	15.60	15.92	--	--
Commercial .....	9.50	10.53	11.71	13.51	12.67	15.36	13.67	13.11	--	--
Industrial .....	8.76	9.37	10.01	12.51	12.04	14.20	12.25	11.82	--	--
Other .....	25.19	NA	NA	NA	NA	NA	NA	NA	--	--
Transportation.....	NA	NA	NA	NA	NA	NA	NA	13.86	--	--
All Sectors .....	10.18	10.96	11.97	13.98	13.12	16.01	14.23	14.08	--	--

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, 2010**

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
<b>Rhode Island</b>								
Number of Entities.....	2	1	NA	NA	NA	11	1	15
Number of Retail Customers .....	475,431	4,544	NA	NA	NA	9,288	NA	489,263
Retail Sales (thousand megawatthours).....	5,298	54	NA	NA	NA	2,447	NA	7,799
Percentage of Retail Sales .....	67.93	0.69	--	--	--	31.38	--	100.00
Revenue from Retail Sales (million dollars) .....	784	8	NA	NA	NA	207	99	1,098
Percentage of Revenue .....	71.45	0.70	--	--	--	18.85	9.00	100.00
Average Retail Price (cents/kWh).....	14.81	14.31	NA	NA	NA	8.46	4.04	14.08

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Data are shown for All Sectors. Full Service Providers sell bundled electricity services (e.g., both energy and delivery) to end users. Full Service Providers may purchase electricity from others (such as independent Power Producers or other full service providers) prior to delivery. Other Providers sell either the energy or the delivery services, but not both. Sales volumes and customer counts shown for Other Providers refer to delivered electricity, which is a joint activity of both energy and delivery providers; for clarity, they are reported only in the Energy column in this table. The revenue shown under Other Providers represents the revenue realized from the sale of the energy and the delivery services distinctly. "Public" entities include municipalities, State power agencies, and municipal marketing authorities. Federal entities are either owned or financed by the Federal Government. "Cooperatives" are electric utilities legally established to be owned by and operated for the benefit of those using its services. The cooperative will generate, transmit and/or distribute supplies of electric energy to a specified area not being serviced by another utility. "Non-utility" sales represent direct electricity transactions from independent generators to end use consumers. Totals may not equal sum of components because of independent rounding.

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

**Table 10. Supply and Disposition of Electricity, 2000 and 2004 Through 2010**  
(Million Kilowatthours)

Category	2000	2004	2005	2006	2007	2008	2009	2010
<b>Rhode Island</b>								
<b>Supply</b> .....								
<b>Generation</b> .....								
Electric Utilities .....	11	12	11	11	11	11	11	11
Independent Power Producers .....	5,406	4,891	5,957	5,875	6,989	7,324	7,633	7,696
Combined Heat and Power, Electric .....	506	-	18	18	-	-	-	-
<b>Electric Power Sector Generation Subtotal</b> .....	<b>5,923</b>	<b>4,904</b>	<b>5,987</b>	<b>5,904</b>	<b>7,000</b>	<b>7,335</b>	<b>7,644</b>	<b>7,707</b>
Combined Heat and Power, Commercial .....	47	33	65	62	49	53	53	32
Combined Heat and Power, Industrial.....	2	2	2	1	1	-	-	-
<b>Industrial and Commercial Generation Subtotal</b> .....	<b>49</b>	<b>36</b>	<b>67</b>	<b>64</b>	<b>50</b>	<b>53</b>	<b>53</b>	<b>32</b>
<b>Total Net Generation</b> .....	<b>5,972</b>	<b>4,939</b>	<b>6,053</b>	<b>5,968</b>	<b>7,050</b>	<b>7,387</b>	<b>7,697</b>	<b>7,739</b>
<b>Total International Imports</b> .....	<b>1,947</b>	<b>322</b>	<b>407</b>	<b>409</b>	<b>556</b>	<b>654</b>	<b>787</b>	<b>500</b>
<b>Total Supply</b> .....	<b>7,919</b>	<b>5,261</b>	<b>6,461</b>	<b>6,376</b>	<b>7,606</b>	<b>8,041</b>	<b>8,484</b>	<b>8,239</b>
<b>Disposition</b> .....								
<b>Retail Sales</b> .....								
Full Service Providers .....	7,120	7,043	7,160	6,771	6,871	6,723	5,677	5,352
Energy-Only Providers.....	181	844	889	1,029	1,142	1,095	1,940	2,447
<b>Total Electric Industry Retail Sales</b> .....	<b>7,301</b>	<b>7,888</b>	<b>8,049</b>	<b>7,799</b>	<b>8,013</b>	<b>7,819</b>	<b>7,618</b>	<b>7,799</b>
<b>Direct Use</b> .....	<b>59</b>	<b>65</b>	<b>69</b>	<b>66</b>	<b>58</b>	<b>59</b>	<b>57</b>	<b>53</b>
<b>Total International Exports</b> .....	<b>362</b>	<b>20</b>	<b>53</b>	<b>89</b>	<b>138</b>	<b>52</b>	<b>51</b>	<b>43</b>
<b>Estimated Losses</b> .....	<b>520</b>	<b>417<sup>R</sup></b>	<b>458<sup>R</sup></b>	<b>526</b>	<b>621</b>	<b>153</b>	<b>400<sup>R</sup></b>	<b>427</b>
<b>Net Interstate Trade</b> <sup>1</sup> .....	<b>-324</b>	<b>-3,128<sup>R</sup></b>	<b>-2,170<sup>R</sup></b>	<b>-2,104</b>	<b>-1,224</b>	<b>-41</b>	<b>359<sup>R</sup></b>	<b>-84</b>
<b>Total Disposition</b> .....	<b>7,919</b>	<b>5,261</b>	<b>6,461</b>	<b>6,376</b>	<b>7,606</b>	<b>8,041</b>	<b>8,484</b>	<b>8,239</b>
<b>Net Trade Index (ratio)</b> <sup>2</sup> .....	<b>0.96</b>	<b>0.63</b>	<b>0.75</b>	<b>0.75</b>	<b>0.86</b>	<b>0.99</b>	<b>1.04</b>	<b>0.99</b>

<sup>1</sup> Net Interstate Trade = Total Supply - (Total Electric Industry Retail Sales + Direct Use + Total International Exports (if applies) + Estimated Losses).

<sup>2</sup> Net Trade Index is the sum of Total Supply / (Total Disposition - Net Interstate Trade).

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. Beginning with publication year 2010, Total disposition has been reorganized to include Net Interstate Trade. Therefore, Total Disposition equals Total Supply.

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. 2010 Summary Statistics**

Item	Value	U.S. Rank
<b>South Carolina</b>		
NERC Region(s).....		<b>SERC</b>
Primary Energy Source.....		<b>Nuclear</b>
Net Summer Capacity (megawatts) .....	<b>23,982</b>	<b>17</b>
Electric Utilities.....	22,172	9
Independent Power Producers & Combined Heat and Power.....	1,810	35
Net Generation (megawatthours).....	<b>104,153,133</b>	<b>14</b>
Electric Utilities.....	100,610,887	6
Independent Power Producers & Combined Heat and Power.....	3,542,246	39
Emissions (thousand metric tons) .....		
Sulfur Dioxide .....	106	19
Nitrogen Oxide .....	30	33
Carbon Dioxide.....	41,364	23
Sulfur Dioxide (lbs/MWh) .....	2.2	30
Nitrogen Oxide (lbs/MWh) .....	0.6	45
Carbon Dioxide (lbs/MWh).....	876	40
Total Retail Sales (megawatthours) .....	<b>82,479,293</b>	<b>19</b>
Full Service Provider Sales (megawatthours) .....	82,479,293	17
Direct Use (megawatthours) .....	<b>2,106,674</b>	<b>16</b>
Average Retail Price (cents/kWh).....	<b>8.49</b>	<b>31</b>

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, 2010**

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
<b>South Carolina</b>			
1. Oconee .....	Nuclear	Duke Energy Carolinas, LLC	2,538
2. Cross .....	Coal	South Carolina Pub Serv Auth	2,350
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	1,130
6. John S Rainey .....	Gas	South Carolina Pub Serv Auth	977
7. V C Summer .....	Nuclear	South Carolina Electric&Gas Co	966
8. H B Robinson .....	Nuclear	Progress Energy Carolinas Inc	912
9. Jasper .....	Gas	South Carolina Electric&Gas Co	852
10. Broad River Energy Center .....	Gas	Calpine Operating Services Company Inc	837

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, 2010**  
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
1. South Carolina Electric&Gas Co.....	Investor-Owned	22,921,978	8,790,593	8,268,383	5,863,002	-
2. Duke Energy Carolinas, LLC.....	Investor-Owned	21,703,078	7,285,181	5,947,110	8,470,787	-
3. South Carolina Pub Serv Auth.....	Public	10,951,323	1,858,980	2,139,307	6,953,036	-
4. Progress Energy Carolinas Inc.....	Investor-Owned	6,628,030	2,450,065	1,884,878	2,293,087	-
5. Berkeley Electric Coop Inc.....	Cooperative	1,772,151	1,258,744	277,237	236,170	-
Total Sales, Top Five Providers.....		63,976,560	21,643,563	18,516,915	23,816,082	-
Percent of Total State Sales.....		78	66	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, 2000 and 2004 Through 2010**  
(Megawatts)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Electric Utilities.....</b>	<b>17,716</b>	<b>20,406</b>	<b>20,787</b>	<b>21,019</b>	<b>21,730</b>	<b>22,152</b>	<b>22,190</b>	<b>22,172</b>	<b>94.8</b>	<b>92.5</b>
Coal.....	6,054	5,968	5,968	5,984	6,460	7,060	7,028	7,048	32.4	29.4
Petroleum.....	957	684	689	682	682	699	663	664	5.1	2.8
Natural Gas.....	779	3,712	3,708	3,923	3,956	3,919	3,964	3,966	4.2	16.5
Nuclear.....	6,445	6,472	6,472	6,472	6,472	6,472	6,486	6,486	34.5	27.0
Hydroelectric.....	1,271	1,316	1,324	1,321	1,315	1,314	1,314	1,317	6.8	5.5
Other Renewables <sup>1</sup> .....	-	3	9	20	20	23	20	26	-	0.1
Pumped Storage.....	2,211	2,251	2,616	2,616	2,826	2,666	2,716	2,666	11.8	11.1
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>969</b>	<b>1,790</b>	<b>1,765</b>	<b>1,764</b>	<b>1,836</b>	<b>1,860</b>	<b>1,781</b>	<b>1,810</b>	<b>5.2</b>	<b>7.5</b>
Coal.....	102	103	103	103	182	182	182	182	0.5	0.8
Petroleum.....	3	3	3	3	3	6	6	6	*	*
Natural Gas.....	607	1,430	1,408	1,404	1,400	1,417	1,347	1,342	3.2	5.6
Hydroelectric.....	26	24	24	24	23	23	23	23	0.1	0.1
Other Renewables <sup>1</sup> .....	231	230	227	230	230	233	223	258	1.2	1.1
<b>Total Electric Industry.....</b>	<b>18,685</b>	<b>22,196</b>	<b>22,551</b>	<b>22,782</b>	<b>23,566</b>	<b>24,012</b>	<b>23,971</b>	<b>23,982</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	6,156	6,072	6,072	6,088	6,641	7,242	7,210	7,230	32.9	30.1
Petroleum.....	960	686	692	685	685	705	669	670	5.1	2.8
Natural Gas.....	1,385	5,143	5,116	5,327	5,355	5,335	5,311	5,308	7.4	22.1
Nuclear.....	6,445	6,472	6,472	6,472	6,472	6,472	6,486	6,486	34.5	27.0
Hydroelectric.....	1,297	1,340	1,348	1,345	1,337	1,337	1,337	1,340	6.9	5.6
Other Renewables <sup>1</sup> .....	231	233	236	250	250	256	244	284	1.2	1.2
Pumped Storage.....	2,211	2,251	2,616	2,616	2,826	2,666	2,716	2,666	11.8	11.1

<sup>1</sup> Other Renewables includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

\* = 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, 2000 and 2004 Through 2010**  
(Megawatthours)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>South Carolina</b>										
<b>Electric Utilities.....</b>	<b>90,421,081</b>	<b>94,406,828</b>	<b>99,104,373</b>	<b>95,872,763</b>	<b>99,997,011</b>	<b>97,921,204</b>	<b>97,336,653</b>	<b>100,610,887</b>	<b>96.9</b>	<b>96.6</b>
Coal.....	38,664,405	38,516,633	39,352,428	39,140,908	41,270,230	41,184,319	34,146,526	37,340,392	41.4	35.9
Petroleum.....	265,931	690,071	484,181	135,522	174,663	160,102	490,911	178,378	0.3	0.2
Natural Gas.....	188,038	2,527,103	4,153,040	4,742,493	4,599,720	4,610,728	8,876,536	9,322,755	0.2	9.0
Nuclear.....	50,887,700	51,200,640	53,137,554	50,797,372	53,199,914	51,762,950	52,149,734	51,988,079	54.5	49.9
Hydroelectric.....	1,497,013	2,382,225	2,858,778	1,766,438	1,523,502	1,100,451	2,277,232	2,313,465	1.6	2.2
Other Renewables <sup>1</sup> .....	-	239,246	317,067	409,929	439,597	369,219	372,158	402,520	-	0.4
Pumped Storage.....	-1,082,006	-1,149,090	-1,198,675	-1,119,899	-1,210,614	-1,266,564	-976,443	-934,701	-1.2	-0.9
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>2,925,159</b>	<b>3,533,101</b>	<b>3,410,292</b>	<b>3,394,843</b>	<b>3,405,130</b>	<b>3,056,801</b>	<b>2,788,833</b>	<b>3,542,246</b>	<b>3.1</b>	<b>3.4</b>
Coal.....	543,971	405,587	339,631	331,938	312,439	355,376	330,987	330,726	0.6	0.3
Petroleum.....	179,226	181,220	134,253	101,395	42,625	20,365	32,574	12,349	0.2	*
Natural Gas.....	744,864	1,270,755	1,261,143	1,325,568	1,364,839	1,118,260	903,656	1,604,482	0.8	1.5
Other Gases <sup>2</sup> .....	888	10	5,642	16	15	-	-	-	*	-
Hydroelectric.....	36,477	64,684	79,369	40,510	32,410	22,664	54,773	62,979	*	0.1
Other Renewables <sup>1</sup> .....	1,419,733	1,523,933	1,496,573	1,500,508	1,556,437	1,446,607	1,375,814	1,470,544	1.5	1.4
Other <sup>3</sup> .....	-	86,912	93,680	94,908	96,366	93,529	91,029	61,164	-	0.1
<b>Total Electric Industry.....</b>	<b>93,346,240</b>	<b>97,939,929</b>	<b>102,514,665</b>	<b>99,267,606</b>	<b>103,402,142</b>	<b>100,978,005</b>	<b>100,125,486</b>	<b>104,153,133</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	39,208,376	38,922,220	39,692,059	39,472,846	41,582,670	41,539,695	34,477,512	37,671,118	42.0	36.2
Petroleum.....	445,157	871,291	618,434	236,917	217,287	180,467	523,484	190,727	0.5	0.2
Natural Gas.....	932,902	3,797,858	5,414,183	6,068,061	5,964,558	5,728,988	9,780,193	10,927,237	1.0	10.5
Other Gases <sup>2</sup> .....	888	10	5,642	16	15	-	-	-	*	-
Nuclear.....	50,887,700	51,200,640	53,137,554	50,797,372	53,199,914	51,762,950	52,149,734	51,988,079	54.5	49.9
Hydroelectric.....	1,533,490	2,446,909	2,938,147	1,806,948	1,555,912	1,123,115	2,332,005	2,376,444	1.6	2.3
Other Renewables <sup>1</sup> .....	1,419,733	1,763,179	1,813,640	1,910,437	1,996,034	1,815,825	1,747,971	1,873,064	1.5	1.8
Pumped Storage.....	-1,082,006	-1,149,090	-1,198,675	-1,119,899	-1,210,614	-1,266,564	-976,443	-934,701	-1.2	-0.9
Other <sup>3</sup> .....	-	86,912	93,680	94,908	96,366	93,529	91,029	61,164	-	0.1

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>2</sup> Other gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

<sup>3</sup> Other includes non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

\* = 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.

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

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, 2000 and 2004 Through 2010**

Fuel, Quality	2000	2004	2005	2006	2007	2008	2009	2010
<b>South Carolina</b>								
Coal (cents per million Btu) .....	139	W	W	W	W	W	W	371
Average heat value (Btu per pound).....	12,727	12,565	12,617	12,584	12,539	12,435	12,471	12,514
Average sulfur Content (percent).....	1.08	1.24	1.24	1.29	1.25	1.34	1.43	1.47
Petroleum (cents per million Btu) <sup>1</sup> .....	672	W	W	W	W	W	804	1,119
Average heat value (Btu per gallon).....	138,243	138,905	143,257	138,717	143,581	143,710	144,667	145,088
Average sulfur Content (percent).....	0.22	3.67	2.42	2.89	1.05	1.12	1.78	1.82
Natural Gas (cents per million Btu).....	557	W	W	787	792	1,017	407	464
Average heat value (Btu per cubic foot).....	1,028	1,035	1,033	1,033	1,030	1,030	1,029	1,026

<sup>1</sup> 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, 2000 and 2004 Through 2010 (Thousand Metric Tons)**

Emission Type	2000	2004	2005	2006	2007	2008	2009	2010
<b>South Carolina</b>								
<b>Sulfur Dioxide .....</b>								
Coal.....	195	207	206	206	161	150	95	95
Petroleum.....	3	5	4	4	3	*	1	*
Natural Gas.....	*	*	*	*	*	*	*	*
Other Renewables <sup>1</sup> .....	8	7	7	7	7	4	7	9
Other <sup>2</sup> .....	*	2	2	2	2	2	2	2
Total.....	207	221	218	219	173	156	105	106
<b>Nitrogen Oxide .....</b>								
Coal.....	83	60	47	44	41	40	19	24
Petroleum.....	1	1	1	1	1	*	*	*
Natural Gas.....	1	1	1	1	1	1	1	2
Other Gases.....	*	-	-	-	-	-	-	-
Other Renewables <sup>1</sup> .....	3	2	2	2	2	2	3	3
Other <sup>2</sup> .....	*	1	1	1	1	1	*	*
Total.....	89	65	51	49	46	44	24	30
<b>Carbon Dioxide .....</b>								
Coal.....	37,149	37,353	37,740	37,793	39,166	39,458	33,114	36,182
Petroleum.....	711	1,077	787	411	287	218	595	200
Natural Gas.....	581	1,738	2,489	2,793	2,807	2,546	4,115	4,776
Other Gases.....	2	*	16	*	*	-	-	-
Other <sup>2</sup> .....	105	252	286	299	311	321	297	206
Total.....	38,548	40,420	41,318	41,296	42,571	42,543	38,121	41,364

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, and other biomass.

<sup>2</sup> Other includes non-biogenic municipal solid waste, tire-derived fuels, and miscellaneous technologies.

\* = 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.

Note: CO2 emissions for the historical years 1998 - 2008 have been revised due to changes in emission factors.

Sources: Calculations made by the Electric Power Systems and Reliability Team; Office of Electricity, Renewables, and Uranium Statistics; U. S. Energy Information Administration.

**Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 2000 and 2004 Through 2010**

Sector	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>South Carolina</b>										
<b>Retail Sales (thousand megawatthours) .....</b>										
Residential .....	25,270	27,910	28,676	28,539	29,569	29,727	29,556	32,852	32.8	39.8
Commercial .....	17,483	20,113	20,498	20,923	21,746	21,676	21,440	22,320	22.7	27.1
Industrial .....	33,308	31,886	32,080	31,416	30,632	29,247	25,421	27,307	43.2	33.1
Other .....	951	NA	NA	NA	NA	NA	NA	NA	1.2	--
All Sectors .....	77,012	79,908	81,254	80,877	81,948	80,651	76,417	82,479	100.0	100.0
<b>Retail Revenue (million dollars) .....</b>										
Residential .....	1,916	2,267	2,487	2,576	2,716	2,939	3,087	3,450	44.2	49.3
Commercial .....	1,110	1,390	1,515	1,591	1,684	1,826	1,873	1,986	25.6	28.4
Industrial .....	1,246	1,315	1,460	1,481	1,479	1,570	1,472	1,568	28.8	22.4
Other .....	60	NA	NA	NA	NA	NA	NA	NA	1.4	--
All Sectors .....	4,332	4,972	5,462	5,648	5,880	6,335	6,432	7,004	100.0	100.0
<b>Average Retail Prices (cents/kWh) .....</b>										
Residential .....	7.58	8.12	8.67	9.03	9.19	9.89	10.44	10.50	--	--
Commercial .....	6.35	6.91	7.39	7.60	7.74	8.42	8.74	8.90	--	--
Industrial .....	3.74	4.13	4.55	4.71	4.83	5.37	5.79	5.74	--	--
Other .....	6.29	NA	NA	NA	NA	NA	NA	NA	--	--
All Sectors .....	5.62	6.22	6.72	6.98	7.18	7.85	8.42	8.49	--	--

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, 2010**

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
<b>South Carolina</b>								
Number of Entities .....	4	22	NA	21	NA	NA	NA	47
Number of Retail Customers .....	1,372,753	337,569	NA	723,822	NA	NA	NA	2,434,144
Retail Sales (thousand megawatthours) .....	51,432	15,241	NA	15,806	NA	NA	NA	82,479
Percentage of Retail Sales .....	62.36	18.48	--	19.16	--	--	--	100.00
Revenue from Retail Sales (million dollars) .....	4,184	1,128	NA	1,692	NA	NA	NA	7,004
Percentage of Revenue .....	59.73	16.11	--	24.16	--	--	--	100.00
Average Retail Price (cents/kWh) .....	8.13	7.40	NA	10.71	NA	NA	NA	8.49

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Data are shown for All Sectors. Full Service Providers sell bundled electricity services (e.g., both energy and delivery) to end users. Full Service Providers may purchase electricity from others (such as independent Power Producers or other full service providers) prior to delivery. Other Providers sell either the energy or the delivery services, but not both. Sales volumes and customer counts shown for Other Providers refer to delivered electricity, which is a joint activity of both energy and delivery providers; for clarity, they are reported only in the Energy column in this table. The revenue shown under Other Providers represents the revenue realized from the sale of the energy and the delivery services distinctly. "Public" entities include municipalities, State power agencies, and municipal marketing authorities. Federal entities are either owned or financed by the Federal Government. "Cooperatives" are electric utilities legally established to be owned by and operated for the benefit of those using its services. The cooperative will generate, transmit and/or distribute supplies of electric energy to a specified area not being serviced by another utility. "Non-utility" sales represent direct electricity transactions from independent generators to end use consumers. Totals may not equal sum of components because of independent rounding.

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



**Table 10. Supply and Disposition of Electricity, 2000 and 2004 Through 2010**  
(Million Kilowatthours)

Category	2000	2004	2005	2006	2007	2008	2009	2010
<b>South Carolina</b>								
<b>Supply</b> .....								
<b>Generation</b> .....								
Electric Utilities .....	90,421	94,407	99,104	95,873	99,997	97,921	97,337	100,611
Independent Power Producers .....	179	486	735	730	771	753	430	1,034
Combined Heat and Power, Electric .....	565	855	595	623	619	506	650	770
<b>Electric Power Sector Generation Subtotal</b> .....	<b>91,165</b>	<b>95,747</b>	<b>100,435</b>	<b>97,225</b>	<b>101,387</b>	<b>99,179</b>	<b>98,416</b>	<b>102,414</b>
Combined Heat and Power, Commercial .....	67	87	82	84	69	60	41	2
Combined Heat and Power, Industrial.....	2,114	2,106	1,998	1,958	1,946	1,738	1,668	1,737
<b>Industrial and Commercial Generation Subtotal</b> .....	<b>2,181</b>	<b>2,193</b>	<b>2,080</b>	<b>2,042</b>	<b>2,015</b>	<b>1,799</b>	<b>1,709</b>	<b>1,739</b>
<b>Total Net Generation</b> .....	<b>93,346</b>	<b>97,940</b>	<b>102,515</b>	<b>99,268</b>	<b>103,402</b>	<b>100,978</b>	<b>100,125</b>	<b>104,153</b>
<b>Total Supply</b> .....	<b>93,346</b>	<b>97,940</b>	<b>102,515</b>	<b>99,268</b>	<b>103,402</b>	<b>100,978</b>	<b>100,125</b>	<b>104,153</b>
<b>Disposition</b> .....								
<b>Retail Sales</b> .....								
Full Service Providers .....	77,012	79,908	81,254	80,877	81,948	80,641	76,417	82,479
Facility Direct Retail Sales <sup>1</sup> .....	-	-	-	-	-	10	-	-
<b>Total Electric Industry Retail Sales</b> .....	<b>77,012</b>	<b>79,908</b>	<b>81,254</b>	<b>80,877</b>	<b>81,948</b>	<b>80,651</b>	<b>76,417</b>	<b>82,479</b>
<b>Direct Use</b> .....	<b>1,927</b>	<b>2,044</b>	<b>1,599</b>	<b>1,620</b>	<b>1,770</b>	<b>1,978</b>	<b>1,902</b>	<b>2,107</b>
<b>Estimated Losses</b> .....	<b>5,481</b>	<b>4,891</b>	<b>5,662</b>	<b>5,469</b>	<b>6,329</b>	<b>5,988</b>	<b>5,538</b>	<b>5,706</b>
<b>Net Interstate Trade</b> <sup>2</sup> .....	<b>8,926</b>	<b>11,097<sup>R</sup></b>	<b>14,000</b>	<b>11,302</b>	<b>13,355</b>	<b>12,361</b>	<b>16,268</b>	<b>13,862</b>
<b>Total Disposition</b> .....	<b>93,346</b>	<b>97,940</b>	<b>102,515</b>	<b>99,268</b>	<b>103,402</b>	<b>100,978</b>	<b>100,125</b>	<b>104,153</b>
<b>Net Trade Index (ratio)</b> <sup>3</sup> .....	<b>1.11</b>	<b>1.13</b>	<b>1.16</b>	<b>1.13</b>	<b>1.15</b>	<b>1.14</b>	<b>1.19</b>	<b>1.15</b>

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

<sup>2</sup> Net Interstate Trade = Total Supply - (Total Electric Industry Retail Sales + Direct Use + Total International Exports (if applies) + Estimated Losses).

<sup>3</sup> Net Trade Index is the sum of Total Supply / (Total Disposition - Net Interstate Trade).

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. Beginning with publication year 2010, Total disposition has been reorganized to include Net Interstate Trade. Therefore, Total Disposition equals Total Supply.

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. 2010 Summary Statistics**

Item	Value	U.S. Rank
<b>South Dakota</b>		
NERC Region(s).....		MRO/WECC
Primary Energy Source.....		Hydroelectric
Net Summer Capacity (megawatts) .....	3,623	45
Electric Utilities.....	2,994	37
Independent Power Producers & Combined Heat and Power.....	629	48
Net Generation (megawatthours).....	10,049,636	46
Electric Utilities.....	8,682,448	36
Independent Power Producers & Combined Heat and Power.....	1,367,188	47
Emissions (thousand metric tons) .....		
Sulfur Dioxide .....	12	43
Nitrogen Oxide .....	12	43
Carbon Dioxide.....	3,611	47
Sulfur Dioxide (lbs/MWh) .....	2.6	23
Nitrogen Oxide (lbs/MWh) .....	2.6	8
Carbon Dioxide (lbs/MWh).....	792	41
Total Retail Sales (megawatthours) .....	11,356,149	46
Full Service Provider Sales (megawatthours) .....	11,356,149	42
Direct Use (megawatthours) .....	467	49
Average Retail Price (cents/kWh).....	7.82	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, 2010**

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
<b>South Dakota</b>			
1. Oahe.....	Hydroelectric	USCE-Missouri River District	714
2. Big Bend.....	Hydroelectric	USCE-Missouri River District	520
3. Big Stone .....	Coal	Otter Tail Power Co	476
4. Fort Randall .....	Hydroelectric	USCE-Missouri River District	360
5. Angus Anson .....	Gas	Northern States Power Co - Minnesota	338
6. Buffalo Ridge II LLC.....	Other Renewables	Iberdrola Renewables Inc	210
7. Groton Generating Station.....	Gas	Basin Electric Power Coop	169
8. MinnDakota Wind LLC .....	Other Renewables	Iberdrola Renewables Inc	150
9. Spirit Mound.....	Petroleum	Basin Electric Power Coop	100
10. Ben French.....	Coal	Black Hills Power Inc	100

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, 2010**  
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
1. Northern States Power Co - Minnesota.....	Investor-Owned	2,000,291	696,823	968,452	335,016	-
2. NorthWestern Energy.....	Investor-Owned	1,494,721	555,401	671,699	267,621	-
3. Black Hills Power Inc.....	Investor-Owned	1,439,002	513,084	720,009	205,909	-
4. Sioux Valley SW Elec Coop.....	Cooperative	543,948	273,406	37,503	233,039	-
5. Southeastern Electric Coop Inc.....	Cooperative	520,163	226,812	102,726	190,625	-
Total Sales, Top Five Providers.....		5,998,125	2,265,526	2,500,389	1,232,210	-
Percent of Total State Sales.....		53	49	57	52	-

- (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, 2000 and 2004 Through 2010**  
(Megawatts)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Electric Utilities.....</b>	<b>2,812</b>	<b>2,618</b>	<b>2,759</b>	<b>2,889</b>	<b>2,826</b>	<b>2,911</b>	<b>3,042</b>	<b>2,994</b>	<b>100.0</b>	<b>82.6</b>
Coal.....	477	477	482	492	492	497	497	497	17.0	13.7
Petroleum.....	297	228	221	229	223	227	226	225	10.6	6.2
Natural Gas.....	360	385	553	649	645	722	722	676	12.8	18.7
Hydroelectric.....	1,678	1,526	1,500	1,516	1,463	1,463	1,594	1,594	59.7	44.0
Other Renewables <sup>1</sup> .....	-	3	3	3	3	3	3	3	-	0.1
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>-</b>	<b>41</b>	<b>44</b>	<b>44</b>	<b>44</b>	<b>194</b>	<b>320</b>	<b>629</b>	<b>-</b>	<b>17.4</b>
Petroleum.....	-	-	3	3	3	3	3	3	-	0.1
Other Renewables <sup>1</sup> .....	-	41	41	41	41	191	317	626	-	17.3
<b>Total Electric Industry.....</b>	<b>2,812</b>	<b>2,659</b>	<b>2,802</b>	<b>2,933</b>	<b>2,870</b>	<b>3,105</b>	<b>3,362</b>	<b>3,623</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	477	477	482	492	492	497	497	497	17.0	13.7
Petroleum.....	297	228	224	232	226	230	230	228	10.6	6.3
Natural Gas.....	360	385	553	649	645	722	722	676	12.8	18.7
Hydroelectric.....	1,678	1,526	1,500	1,516	1,463	1,463	1,594	1,594	59.7	44.0
Other Renewables <sup>1</sup> .....	-	43	43	43	43	193	320	629	-	17.3

<sup>1</sup> Other Renewables includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

- (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, 2000 and 2004 Through 2010**  
(Megawatthours)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>South Dakota</b>										
<b>Electric Utilities.....</b>	<b>9,697,337</b>	<b>7,357,617</b>	<b>6,368,442</b>	<b>6,989,062</b>	<b>5,991,253</b>	<b>6,942,317</b>	<b>7,780,254</b>	<b>8,682,448</b>	<b>100.0</b>	<b>86.4</b>
Coal.....	3,670,576	3,620,001	2,996,347	3,315,911	2,655,334	3,660,482	3,217,353	3,298,256	37.9	32.8
Petroleum.....	52,214	22,771	20,785	4,660	62,347	22,503	7,842	5,658	0.5	0.1
Natural Gas.....	259,039	112,255	270,946	265,817	351,042	228,569	80,334	134,706	2.7	1.3
Hydroelectric.....	5,715,508	3,597,509	3,074,566	3,396,833	2,917,283	2,993,107	4,432,451	5,238,801	58.9	52.1
Other Renewables <sup>1</sup> .....	-	5,081	5,777	5,784	5,221	7,118	10,957	5,028	-	0.1
Other <sup>2</sup> .....	-	-	21	57	26	30,538	31,318	-	-	-
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>-</b>	<b>152,597</b>	<b>152,327</b>	<b>143,181</b>	<b>145,352</b>	<b>140,355</b>	<b>416,277</b>	<b>1,367,188</b>	<b>-</b>	<b>13.6</b>
Petroleum.....	-	-	-	-	555	672	478	467	-	*
Other Renewables <sup>1</sup> .....	-	152,597	152,327	143,181	144,797	139,683	415,799	1,366,722	-	13.6
<b>Total Electric Industry.....</b>	<b>9,697,337</b>	<b>7,510,214</b>	<b>6,520,769</b>	<b>7,132,243</b>	<b>6,136,605</b>	<b>7,082,672</b>	<b>8,196,531</b>	<b>10,049,636</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	3,670,576	3,620,001	2,996,347	3,315,911	2,655,334	3,660,482	3,217,353	3,298,256	37.9	32.8
Petroleum.....	52,214	22,771	20,785	4,660	62,902	23,175	8,320	6,124	0.5	0.1
Natural Gas.....	259,039	112,255	270,946	265,817	351,042	228,569	80,334	134,706	2.7	1.3
Hydroelectric.....	5,715,508	3,597,509	3,074,566	3,396,833	2,917,283	2,993,107	4,432,451	5,238,801	58.9	52.1
Other Renewables <sup>1</sup> .....	-	157,678	158,104	148,965	150,018	146,801	426,756	1,371,750	-	13.6
Other <sup>2</sup> .....	-	-	21	57	26	30,538	31,318	-	-	-

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>2</sup> Other includes non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

\* = 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.

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

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, 2000 and 2004 Through 2010**

Fuel, Quality	2000	2004	2005	2006	2007	2008	2009	2010
<b>South Dakota</b>								
Coal (cents per million Btu) .....	99	139	142	151	156	174	176	195
Average heat value (Btu per pound).....	8,464	8,523	8,711	8,534	8,530	8,391	8,386	8,327
Average sulfur Content (percent) .....	0.31	0.34	0.31	0.32	0.30	0.31	0.31	0.33
Petroleum (cents per million Btu) <sup>1</sup> .....	-	822	1,245	1,546	-	W	W	1,808
Average heat value (Btu per gallon).....	-	138,536	139,083	138,988	-	138,214	138,862	138,360
Average sulfur Content (percent) .....	-	0.18	0.22	0.25	-	0.04	0.11	0.10
Natural Gas (cents per million Btu).....	-	-	-	-	-	724	514	545
Average heat value (Btu per cubic foot).....	-	-	-	-	-	1,011	1,003	1,009

<sup>1</sup> 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, 2000 and 2004 Through 2010 (Thousand Metric Tons)**

Emission Type	2000	2004	2005	2006	2007	2008	2009	2010
<b>South Dakota</b>								
<b>Sulfur Dioxide .....</b>								
Coal.....	13	13	10	11	8	12	11	12
Petroleum.....	*	*	*	*	*	*	*	*
Natural Gas .....	*	-	-	-	-	-	-	-
Other <sup>1</sup> .....	*	1	1	1	1	*	*	-
Total .....	13	14	10	12	9	13	11	12
<b>Nitrogen Oxide .....</b>								
Coal.....	16	16	13	13	9	13	11	12
Petroleum.....	*	*	*	*	*	*	*	*
Natural Gas .....	*	*	*	*	*	*	*	*
Other Renewables <sup>2</sup> .....	-	*	*	*	*	-	*	-
Other <sup>1</sup> .....	*	*	*	*	*	*	*	-
Total .....	17	16	13	14	10	13	11	12
<b>Carbon Dioxide .....</b>								
Coal.....	3,723	3,835	3,141	3,398	2,782	3,848	3,423	3,518
Petroleum.....	58	24	22	8	59	21	10	8
Natural Gas .....	196	88	191	179	227	141	48	86
Other <sup>1</sup> .....	-	-	*	*	*	28	29	-
Total .....	3,977	3,947	3,355	3,584	3,069	4,038	3,511	3,611

<sup>1</sup> Other includes non-biogenic municipal solid waste, tire-derived fuels, and miscellaneous technologies.

<sup>2</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, and other biomass.

\* = 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.

Note: CO2 emissions for the historical years 1998 - 2008 have been revised due to changes in emission factors.

Sources: Calculations made by the Electric Power Systems and Reliability Team; Office of Electricity, Renewables, and Uranium Statistics; U. S. Energy Information Administration.

**Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 2000 and 2004 Through 2010**

Sector	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>South Dakota</b>										
<b>Retail Sales (thousand megawatthours) .....</b>										
Residential .....	3,423	3,696	3,973	4,051	4,261	4,406	4,511	4,628	41.3	40.8
Commercial .....	2,422	3,627	3,998	4,054	4,181	4,240	4,238	4,368	29.2	38.5
Industrial .....	2,003	1,891	1,840	1,952	2,161	2,328	2,260	2,360	24.2	20.8
Other .....	435	NA	NA	NA	NA	NA	NA	NA	5.3	--
All Sectors .....	8,283	9,214	9,811	10,056	10,603	10,974	11,010	11,356	100.0	100.0
<b>Retail Revenue (million dollars) .....</b>										
Residential .....	254	283	309	317	344	365	383	415	48.5	46.8
Commercial .....	161	224	248	262	276	295	303	330	30.7	37.1
Industrial .....	90	87	91	94	110	124	128	143	17.2	16.1
Other .....	19	NA	NA	NA	NA	NA	NA	NA	3.6	--
All Sectors .....	523	594	648	674	730	784	813	888	100.0	100.0
<b>Average Retail Prices (cents/kWh) .....</b>										
Residential .....	7.42	7.65	7.77	7.83	8.07	8.27	8.49	8.97	--	--
Commercial .....	6.64	6.18	6.20	6.47	6.61	6.97	7.14	7.55	--	--
Industrial .....	4.49	4.59	4.95	4.84	5.09	5.31	5.65	6.07	--	--
Other .....	4.30	NA	NA	NA	NA	NA	NA	NA	--	--
All Sectors .....	6.32	6.44	6.60	6.70	6.89	7.14	7.39	7.82	--	--

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, 2010**

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 .....	232,885	59,158	21	148,070	NA	NA	NA	440,134
Retail Sales (thousand megawatthours) .....	5,730	1,503	317	3,807	NA	NA	NA	11,356
Percentage of Retail Sales .....	50.46	13.23	2.79	33.53	--	--	--	100.00
Revenue from Retail Sales (million dollars) .....	454	111	10	313	NA	NA	NA	888
Percentage of Revenue .....	51.06	12.51	1.16	35.28	--	--	--	100.00
Average Retail Price (cents/kWh) .....	7.92	7.40	3.24	8.23	NA	NA	NA	7.82

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Data are shown for All Sectors. Full Service Providers sell bundled electricity services (e.g., both energy and delivery) to end users. Full Service Providers may purchase electricity from others (such as independent Power Producers or other full service providers) prior to delivery. Other Providers sell either the energy or the delivery services, but not both. Sales volumes and customer counts shown for Other Providers refer to delivered electricity, which is a joint activity of both energy and delivery providers; for clarity, they are reported only in the Energy column in this table. The revenue shown under Other Providers represents the revenue realized from the sale of the energy and the delivery services distinctly. "Public" entities include municipalities, State power agencies, and municipal marketing authorities. Federal entities are either owned or financed by the Federal Government. "Cooperatives" are electric utilities legally established to be owned by and operated for the benefit of those using its services. The cooperative will generate, transmit and/or distribute supplies of electric energy to a specified area not being serviced by another utility. "Non-utility" sales represent direct electricity transactions from independent generators to end use consumers. Totals may not equal sum of components because of independent rounding.

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

**Table 10. Supply and Disposition of Electricity, 2000 and 2004 Through 2010**  
(Million Kilowatthours)

Category	2000	2004	2005	2006	2007	2008	2009	2010
<b>South Dakota</b>								
<b>Supply</b> .....								
<b>Generation</b> .....								
Electric Utilities .....	9,697	7,358	6,368	6,989	5,991	6,942	7,780	8,682
Independent Power Producers .....	-	153	152	143	145	140	416	1,367
<b>Electric Power Sector Generation Subtotal</b> .....	<b>9,697</b>	<b>7,510</b>	<b>6,521</b>	<b>7,132</b>	<b>6,137</b>	<b>7,083</b>	<b>8,196</b>	<b>10,050</b>
Combined Heat and Power, Commercial .....	-	-	-	-	-	*	*	*
<b>Industrial and Commercial Generation Subtotal</b> .....	-	-	-	-	<b>_R</b>	*	*	*
<b>Total Net Generation</b> .....	<b>9,697</b>	<b>7,510</b>	<b>6,521</b>	<b>7,132</b>	<b>6,137</b>	<b>7,083</b>	<b>8,197</b>	<b>10,050</b>
<b>Total International Imports</b> .....	<b>13</b>	-	-	-	-	-	*	-
<b>Total Supply</b> .....	<b>9,710</b>	<b>7,510</b>	<b>6,521</b>	<b>7,132</b>	<b>6,137</b>	<b>7,083</b>	<b>8,197</b>	<b>10,050</b>
<b>Disposition</b> .....								
<b>Retail Sales</b> .....								
Full Service Providers .....	8,283	9,214	9,811	10,056	10,603	10,974	11,010	11,356
<b>Total Electric Industry Retail Sales</b> .....	<b>8,283</b>	<b>9,214</b>	<b>9,811</b>	<b>10,056</b>	<b>10,603</b>	<b>10,974</b>	<b>11,010</b>	<b>11,356</b>
<b>Direct Use</b> .....	-	-	-	-	-	<b>1</b>	*	*
<b>Total International Exports</b> .....	-	<b>1</b>	*	-	*	-	-	-
<b>Estimated Losses</b> .....	<b>590</b>	<b>1,094</b>	<b>908</b>	<b>872</b>	<b>1,018</b>	<b>1,050</b>	<b>1,018</b>	<b>864</b>
<b>Net Interstate Trade</b> <sup>1</sup> .....	<b>838</b>	<b>-2,798</b>	<b>-4,199</b>	<b>-3,796</b>	<b>-5,485</b>	<b>-4,942</b>	<b>-3,832</b>	<b>-2,171</b>
<b>Total Disposition</b> .....	<b>9,710</b>	<b>7,510</b>	<b>6,521</b>	<b>7,132</b>	<b>6,137</b>	<b>7,083</b>	<b>8,197</b>	<b>10,050</b>
<b>Net Trade Index (ratio)</b> <sup>2</sup> .....	<b>1.09</b>	<b>0.73</b>	<b>0.61</b>	<b>0.65</b>	<b>0.53</b>	<b>0.59</b>	<b>0.68</b>	<b>0.82</b>

<sup>1</sup> Net Interstate Trade = Total Supply - (Total Electric Industry Retail Sales + Direct Use + Total International Exports (if applies) + Estimated Losses).

<sup>2</sup> Net Trade Index is the sum of Total Supply / (Total Disposition - Net Interstate Trade).

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. Beginning with publication year 2010, Total disposition has been reorganized to include Net Interstate Trade. Therefore, Total Disposition equals Total Supply.

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. 2010 Summary Statistics**

Item	Value	U.S. Rank
<b>Tennessee</b>		
NERC Region(s).....		RFC/SERC
Primary Energy Source.....		Coal
Net Summer Capacity (megawatts) .....	21,417	19
Electric Utilities.....	20,968	11
Independent Power Producers & Combined Heat and Power.....	450	49
Net Generation (megawatthours).....	82,348,625	19
Electric Utilities.....	79,816,049	15
Independent Power Producers & Combined Heat and Power.....	2,532,576	45
Emissions (thousand metric tons) .....		
Sulfur Dioxide .....	138	13
Nitrogen Oxide .....	33	31
Carbon Dioxide.....	48,196	18
Sulfur Dioxide (lbs/MWh) .....	3.7	14
Nitrogen Oxide (lbs/MWh) .....	0.9	40
Carbon Dioxide (lbs/MWh).....	1,290	26
Total Retail Sales (megawatthours) .....	103,521,537	13
Full Service Provider Sales (megawatthours) .....	103,521,537	10
Direct Use (megawatthours) .....	2,431,053	12
Average Retail Price (cents/kWh).....	8.61	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, 2010**

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
<b>Tennessee</b>			
1. Cumberland .....	Coal	Tennessee Valley Authority	2,470
2. Johnsonville .....	Coal	Tennessee Valley Authority	2,341
3. Sequoyah .....	Nuclear	Tennessee Valley Authority	2,278
4. Raccoon Mountain.....	Pumped Storage	Tennessee Valley Authority	1,653
5. Gallatin .....	Coal	Tennessee Valley Authority	1,575
6. Lagoon Creek .....	Gas	Tennessee Valley Authority	1,481
7. Kingston.....	Coal	Tennessee Valley Authority	1,398
8. Allen Steam Plant .....	Coal	Tennessee Valley Authority	1,203
9. Watts Bar Nuclear Plant .....	Nuclear	Tennessee Valley Authority	1,123
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, 2010**  
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
1. Memphis City of.....	Public	14,750,036	5,875,646	4,979,008	3,893,534	1,848
2. Nashville Electric Service .....	Public	12,413,126	5,122,444	4,399,992	2,890,690	-
3. Tennessee Valley Authority .....	Federal	6,832,487	-	-	6,832,487	-
4. Chattanooga City of.....	Public	5,782,803	2,310,177	1,911,662	1,560,964	-
5. Knoxville Utilities Board.....	Public	5,777,313	2,669,869	1,862,428	1,245,016	-
Total Sales, Top Five Providers .....		45,555,765	15,978,136	13,153,090	16,422,691	1,848
Percent of Total State Sales .....		44	35	45	57	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, 2000 and 2004 Through 2010**  
(Megawatts)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Tennessee</b>										
<b>Electric Utilities.....</b>	<b>17,893</b>	<b>19,239</b>	<b>19,120</b>	<b>19,768</b>	<b>19,977</b>	<b>20,456</b>	<b>20,418</b>	<b>20,968</b>	<b>92.0</b>	<b>97.9</b>
Coal.....	8,618	8,623	8,618	8,585	8,599	8,624	8,589	8,589	44.3	40.1
Petroleum.....	800	56	58	58	58	58	58	58	4.1	0.3
Natural Gas.....	1,344	3,137	3,032	3,659	3,632	4,082	4,099	4,639	6.9	21.7
Nuclear.....	3,367	3,398	3,398	3,398	3,397	3,397	3,401	3,401	17.3	15.9
Hydroelectric.....	2,230	2,429	2,415	2,429	2,635	2,639	2,614	2,624	11.5	12.3
Other Renewables <sup>1</sup> .....	2	-	2	4	4	4	4	4	*	*
Pumped Storage.....	1,532	1,597	1,597	1,635	1,653	1,653	1,653	1,653	7.9	7.7
<b>Independent Power Producers and Combined Heat and Power .....</b>	<b>1,564</b>	<b>1,702</b>	<b>1,629</b>	<b>1,137</b>	<b>885</b>	<b>435</b>	<b>435</b>	<b>450</b>	<b>8.0</b>	<b>2.1</b>
Coal.....	363	276	256	256	217	217	216	216	1.9	1.0
Natural Gas.....	970	1,106	1,034	494	469	19	20	16	5.0	0.1
Hydroelectric.....	170	179	193	209	-	-	-	-	0.9	-
Other Renewables <sup>1</sup> .....	23	141	146	179	199	199	199	218	0.1	1.0
Other <sup>2</sup> .....	38	-	-	-	-	-	-	-	0.2	-
<b>Total Electric Industry.....</b>	<b>19,457</b>	<b>20,941</b>	<b>20,749</b>	<b>20,905</b>	<b>20,861</b>	<b>20,891</b>	<b>20,852</b>	<b>21,417</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	8,981	8,899	8,874	8,841	8,816	8,841	8,805	8,805	46.2	41.1
Petroleum.....	800	56	58	58	58	58	58	58	4.1	0.3
Natural Gas.....	2,314	4,243	4,066	4,153	4,101	4,101	4,120	4,655	11.9	21.7
Nuclear.....	3,367	3,398	3,398	3,398	3,397	3,397	3,401	3,401	17.3	15.9
Hydroelectric.....	2,400	2,608	2,608	2,638	2,635	2,639	2,614	2,624	12.3	12.3
Other Renewables <sup>1</sup> .....	25	141	148	182	203	203	203	222	0.1	1.0
Pumped Storage.....	1,532	1,597	1,597	1,635	1,653	1,653	1,653	1,653	7.9	7.7
Other <sup>2</sup> .....	38	-	-	-	-	-	-	-	0.2	-

<sup>1</sup> Other Renewables includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>2</sup> Other includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

\* = 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, 2000 and 2004 Through 2010**  
(Megawatthours)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Tennessee</b>										
<b>Electric Utilities.....</b>	<b>92,311,813</b>	<b>94,371,964</b>	<b>93,942,273</b>	<b>90,960,035</b>	<b>92,474,664</b>	<b>88,262,641</b>	<b>77,432,806</b>	<b>79,816,049</b>	<b>96.3</b>	<b>96.9</b>
Coal.....	60,675,314	56,583,558	57,560,600	59,146,323	58,849,255	55,752,210	40,426,487	42,259,569	63.3	51.3
Petroleum.....	539,784	166,943	201,121	137,187	155,646	207,233	182,291	211,654	0.6	0.3
Natural Gas.....	127,250	173,999	434,043	494,104	531,954	364,568	299,544	2,189,282	0.1	2.7
Nuclear.....	25,824,858	28,612,271	27,803,108	24,678,777	28,700,371	27,029,617	26,962,001	27,739,221	26.9	33.7
Hydroelectric.....	5,876,058	9,649,206	8,537,997	7,167,342	4,939,601	5,646,073	10,211,962	8,137,795	6.1	9.9
Other Renewables <sup>1</sup> .....	-	3,813	3,339	3,842	2,201	1,619	353	-	-	-
Pumped Storage.....	-731,451	-817,826	-597,935	-667,540	-704,364	-738,679	-649,832	-721,472	-0.8	-0.9
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>3,526,771</b>	<b>3,222,578</b>	<b>3,174,892</b>	<b>2,951,067</b>	<b>2,638,745</b>	<b>2,400,671</b>	<b>2,284,083</b>	<b>2,532,576</b>	<b>3.7</b>	<b>3.1</b>
Coal.....	1,544,196	1,476,074	1,490,876	1,351,523	1,388,075	1,305,919	1,206,753	1,410,627	1.6	1.7
Petroleum.....	22,386	23,871	29,406	23,037	76,452	8,451	4,639	5,249	*	*
Natural Gas.....	521,521	118,487	97,122	170,170	189,884	102,662	109,777	113,102	0.5	0.1
Other Gases <sup>2</sup> .....	13,833	13,325	14,598	13,635	13,488	12,030	12,010	13,462	*	*
Hydroelectric.....	520,151	758,906	771,544	581,308	-	-	-	-	0.5	-
Other Renewables <sup>1</sup> .....	799,649	826,116	762,746	806,757	968,325	963,691	950,115	987,550	0.8	1.2
Other <sup>3</sup> .....	105,035	5,799	8,600	4,637	2,520	7,917	788	2,586	0.1	*
<b>Total Electric Industry.....</b>	<b>95,838,584</b>	<b>97,594,542</b>	<b>97,117,165</b>	<b>93,911,102</b>	<b>95,113,409</b>	<b>90,663,312</b>	<b>79,716,889</b>	<b>82,348,625</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	62,219,510	58,059,632	59,051,476	60,497,846	60,237,330	57,058,129	41,633,240	43,670,196	64.9	53.0
Petroleum.....	562,170	190,814	230,527	160,224	232,098	215,684	186,930	216,903	0.6	0.3
Natural Gas.....	648,771	292,486	531,165	664,274	721,838	467,230	409,321	2,302,384	0.7	2.8
Other Gases <sup>2</sup> .....	13,833	13,325	14,598	13,635	13,488	12,030	12,010	13,462	*	*
Nuclear.....	25,824,858	28,612,271	27,803,108	24,678,777	28,700,371	27,029,617	26,962,001	27,739,221	26.9	33.7
Hydroelectric.....	6,396,209	10,408,112	9,309,541	7,748,650	4,939,601	5,646,073	10,211,962	8,137,795	6.7	9.9
Other Renewables <sup>1</sup> .....	799,649	829,929	766,085	810,599	970,526	965,310	950,468	987,550	0.8	1.2
Pumped Storage.....	-731,451	-817,826	-597,935	-667,540	-704,364	-738,679	-649,832	-721,472	-0.8	-0.9
Other <sup>3</sup> .....	105,035	5,799	8,600	4,637	2,520	7,917	788	2,586	0.1	*

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>2</sup> Other gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

<sup>3</sup> Other includes non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

\* = 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.

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

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, 2000 and 2004 Through 2010**

Fuel, Quality	2000	2004	2005	2006	2007	2008	2009	2010
<b>Tennessee</b>								
Coal (cents per million Btu) .....	111	W	W	W	W	W	257	269
Average heat value (Btu per pound).....	11,629	11,457	10,993	10,819	11,255	11,090	11,057	10,965
Average sulfur Content (percent) .....	1.53	1.27	1.09	1.11	1.16	1.22	1.33	1.22
Petroleum (cents per million Btu) <sup>1</sup> .....	635	842	1,262	1,400	1,611	W	W	1,620
Average heat value (Btu per gallon).....	139,900	139,357	137,160	136,379	135,000	136,198	136,798	135,929
Average sulfur Content (percent) .....	0.50	0.50	0.42	0.40	0.50	0.28	0.25	0.28
Natural Gas (cents per million Btu).....	-	W	870	W	W	W	501	503
Average heat value (Btu per cubic foot).....	-	1,035	1,032	1,030	1,032	1,031	1,031	1,020

<sup>1</sup> 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, 2000 and 2004 Through 2010**  
(Thousand Metric Tons)

Emission Type	2000	2004	2005	2006	2007	2008	2009	2010
<b>Tennessee</b>								
<b>Sulfur Dioxide .....</b>								
Coal.....	454	310	270	263	240	213	118	130
Petroleum.....	1	1	1	*	*	*	*	*
Natural Gas .....	*	-	-	-	-	*	*	*
Other Gases.....	*	-	-	-	-	-	-	-
Other Renewables <sup>1</sup> .....	4	7	7	6	6	7	7	8
Other <sup>2</sup> .....	*	*	*	*	*	-	-	*
Total .....	459	318	278	270	247	221	125	138
<b>Nitrogen Oxide .....</b>								
Coal.....	151	103	95	98	96	80	28	30
Petroleum.....	2	*	*	*	*	*	*	*
Natural Gas .....	2	*	1	1	1	*	1	1
Other Gases.....	*	*	*	*	*	*	*	*
Other Renewables <sup>1</sup> .....	3	1	1	1	1	1	1	1
Other <sup>2</sup> .....	1	*	*	*	*	*	-	*
Total .....	159	105	97	100	98	82	30	33
<b>Carbon Dioxide .....</b>								
Coal.....	63,551	58,725	59,873	61,362	60,687	58,096	42,954	46,643
Petroleum.....	520	245	289	212	344	211	167	187
Natural Gas .....	833	322	447	567	565	364	337	1,365
Other <sup>2</sup> .....	112	16	25	9	3	-	-	1
Total .....	65,015	59,308	60,634	62,150	61,600	58,671	43,458	48,196

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, and other biomass.

<sup>2</sup> Other includes non-biogenic municipal solid waste, tire-derived fuels, and miscellaneous technologies.

\* = 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.

Note: CO2 emissions for the historical years 1998 - 2008 have been revised due to changes in emission factors.

Sources: Calculations made by the Electric Power Systems and Reliability Team; Office of Electricity, Renewables, and Uranium Statistics; U. S. Energy Information Administration.

**Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 2000 and 2004 Through 2010**

Sector	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Tennessee</b>										
<b>Retail Sales (thousand megawatthours) .....</b>										
Residential .....	36,622	38,526	41,132	40,816	42,880	41,947	40,117	45,191	38.3	43.7
Commercial .....	25,757	28,249	29,146	29,033	29,985	29,418	27,962	29,399	26.9	28.4
Industrial .....	32,289	32,885	33,625	34,081	33,850	32,804	26,569	28,930	33.7	27.9
Other .....	1,060	NA	NA	NA	NA	NA	NA	NA	1.1	--
Transportation.....	NA	1	1	1	2	2	2	2	--	*
All Sectors .....	95,728	99,661	103,905	103,932	106,717	104,170	94,650	103,522	100.0	100.0
<b>Retail Revenue (million dollars).....</b>										
Residential .....	2,316	2,657	2,872	3,164	3,363	3,739	3,740	4,172	43.3	46.8
Commercial .....	1,617	1,992	2,090	2,323	2,426	2,718	2,686	2,839	30.2	31.8
Industrial .....	1,320	1,466	1,591	1,761	1,758	2,063	1,797	1,904	24.7	21.4
Other .....	93	NA	NA	NA	NA	NA	NA	NA	1.7	--
Transportation.....	NA	*	*	*	*	*	*	*	--	*
All Sectors .....	5,346	6,115	6,553	7,248	7,547	8,520	8,223	8,915	100.0	100.0
<b>Average Retail Prices (cents/kWh) .....</b>										
Residential .....	6.33	6.90	6.98	7.75	7.84	8.91	9.32	9.23	--	--
Commercial .....	6.28	7.05	7.17	8.00	8.09	9.24	9.61	9.66	--	--
Industrial .....	4.09	4.46	4.73	5.17	5.19	6.29	6.76	6.58	--	--
Other .....	8.79	NA	NA	NA	NA	NA	NA	NA	--	--
Transportation.....	NA	11.75	11.46	11.18	10.31	10.17	10.69	11.09	--	--
All Sectors .....	5.58	6.14	6.31	6.97	7.07	8.18	8.69	8.61	--	--

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, 2010**

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
<b>Tennessee</b>								
Number of Entities.....	3	61	1	25	1	NA	NA	91
Number of Retail Customers .....	47,200	2,169,545	37	949,703	1	NA	NA	3,166,486
Retail Sales (thousand megawatthours).....	2,240	71,159	6,832	23,183	107	NA	NA	103,522
Percentage of Retail Sales .....	2.16	68.74	6.60	22.39	0.10	--	--	100.00
Revenue from Retail Sales (million dollars) .....	152	6,265	328	2,164	6	NA	NA	8,915
Percentage of Revenue .....	1.70	70.27	3.68	24.27	0.07	--	--	100.00
Average Retail Price (cents/kWh).....	6.78	8.80	4.80	9.33	5.76	NA	NA	8.61

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Data are shown for All Sectors. Full Service Providers sell bundled electricity services (e.g., both energy and delivery) to end users. Full Service Providers may purchase electricity from others (such as independent Power Producers or other full service providers) prior to delivery. Other Providers sell either the energy or the delivery services, but not both. Sales volumes and customer counts shown for Other Providers refer to delivered electricity, which is a joint activity of both energy and delivery providers; for clarity, they are reported only in the Energy column in this table. The revenue shown under Other Providers represents the revenue realized from the sale of the energy and the delivery services distinctly. "Public" entities include municipalities, State power agencies, and municipal marketing authorities. Federal entities are either owned or financed by the Federal Government. "Cooperatives" are electric utilities legally established to be owned by and operated for the benefit of those using its services. The cooperative will generate, transmit and/or distribute supplies of electric energy to a specified area not being serviced by another utility. "Non-utility" sales represent direct electricity transactions from independent generators to end use consumers. Totals may not equal sum of components because of independent rounding.

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

**Table 10. Supply and Disposition of Electricity, 2000 and 2004 Through 2010**  
(Million Kilowatthours)

Category	2000	2004	2005	2006	2007	2008	2009	2010
<b>Tennessee</b>								
<b>Supply</b> .....								
<b>Generation</b> .....								
Electric Utilities .....	92,312	94,372	93,942	90,960	92,475	88,263	77,433	79,816
Independent Power Producers .....	274	29	39	119	123	78	80	63
Combined Heat and Power, Electric .....	*	-	-	-	-	-	-	-
<b>Electric Power Sector Generation Subtotal</b> .....	<b>92,586</b>	<b>94,401</b>	<b>93,981</b>	<b>91,079</b>	<b>92,597</b>	<b>88,341</b>	<b>77,513</b>	<b>79,879</b>
Combined Heat and Power, Commercial .....	109	111	101	108	121	82	117	101
Combined Heat and Power, Industrial.....	3,143	3,083	3,035	2,724	2,395	2,240	2,087	2,369
<b>Industrial and Commercial Generation Subtotal</b> .....	<b>3,253</b>	<b>3,194</b>	<b>3,136</b>	<b>2,832</b>	<b>2,516</b>	<b>2,323</b>	<b>2,204</b>	<b>2,469</b>
<b>Total Net Generation</b> .....	<b>95,839</b>	<b>97,595</b>	<b>97,117</b>	<b>93,911</b>	<b>95,113</b>	<b>90,663</b>	<b>79,717</b>	<b>82,349</b>
<b>Total International Imports</b> .....	-	*	-	-	-	-	-	-
<b>Total Supply</b> .....	<b>95,839</b>	<b>97,595</b>	<b>97,117</b>	<b>93,911</b>	<b>95,113</b>	<b>90,663</b>	<b>79,717</b>	<b>82,349</b>
<b>Disposition</b> .....								
<b>Retail Sales</b> .....								
Full Service Providers .....	95,728	99,661	102,292	102,737	106,001	104,053	94,543	103,415
Facility Direct Retail Sales <sup>1</sup> .....	-	-	1,614	1,194	716	117	108	107
<b>Total Electric Industry Retail Sales</b> .....	<b>95,728</b>	<b>99,661</b>	<b>103,905</b>	<b>103,932</b>	<b>106,717</b>	<b>104,170</b>	<b>94,650</b>	<b>103,522</b>
<b>Direct Use</b> .....	<b>3,222</b>	<b>3,393</b>	<b>1,809</b>	<b>2,376</b>	<b>2,620</b>	<b>2,472</b>	<b>2,267</b>	<b>2,431</b>
<b>Estimated Losses</b> .....	<b>6,813</b>	<b>4,884</b>	<b>6,028</b>	<b>5,415</b>	<b>6,746</b>	<b>5,695</b>	<b>4,869<sup>R</sup></b>	<b>6,905</b>
<b>Net Interstate Trade</b> <sup>2</sup> .....	<b>-9,925</b>	<b>-10,342<sup>R</sup></b>	<b>-14,625</b>	<b>-17,812</b>	<b>-20,970</b>	<b>-21,673</b>	<b>-22,070</b>	<b>-30,509</b>
<b>Total Disposition</b> .....	<b>95,839</b>	<b>97,595</b>	<b>97,117</b>	<b>93,911</b>	<b>95,113</b>	<b>90,663</b>	<b>79,717</b>	<b>82,349</b>
<b>Net Trade Index (ratio)</b> <sup>3</sup> .....	<b>0.91</b>	<b>0.90</b>	<b>0.87</b>	<b>0.84</b>	<b>0.82</b>	<b>0.81</b>	<b>0.78</b>	<b>0.73</b>

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

<sup>2</sup> Net Interstate Trade = Total Supply - (Total Electric Industry Retail Sales + Direct Use + Total International Exports (if applies) + Estimated Losses).

<sup>3</sup> Net Trade Index is the sum of Total Supply / (Total Disposition - Net Interstate Trade).

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. Beginning with publication year 2010, Total disposition has been reorganized to include Net Interstate Trade. Therefore, Total Disposition equals Total Supply.

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. 2010 Summary Statistics**

Item	Value	U.S. Rank
<b>Texas</b>		
NERC Region(s).....		SERC/SPP/TRE/WECC
Primary Energy Source.....		Gas
Net Summer Capacity (megawatts) .....	<b>108,258</b>	<b>1</b>
Electric Utilities.....	26,533	4
Independent Power Producers & Combined Heat and Power.....	81,724	1
Net Generation (megawatthours).....	<b>411,695,046</b>	<b>1</b>
Electric Utilities.....	95,099,161	9
Independent Power Producers & Combined Heat and Power.....	316,595,885	1
Emissions (thousand metric tons) .....		
Sulfur Dioxide .....	430	2
Nitrogen Oxide .....	204	1
Carbon Dioxide.....	251,409	1
Sulfur Dioxide (lbs/MWh) .....	2.3	28
Nitrogen Oxide (lbs/MWh) .....	1.1	32
Carbon Dioxide (lbs/MWh).....	1,346	22
Total Retail Sales (megawatthours) .....	<b>358,457,550</b>	<b>1</b>
Full Service Provider Sales (megawatthours) .....	358,457,550	1
Direct Use (megawatthours) .....	<b>33,873,361</b>	<b>1</b>
Average Retail Price (cents/kWh).....	<b>9.34</b>	<b>21</b>

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, 2010**

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
<b>Texas</b>			
1. W A Parish.....	Coal	NRG Texas Power LLC	3,664
2. South Texas Project.....	Nuclear	STP Nuclear Operating Co	2,560
3. Martin Lake .....	Coal	TXU Generation Co LP	2,425
4. Comanche Peak .....	Nuclear	TXU Generation Co LP	2,406
5. Monticello.....	Coal	TXU Generation Co LP	1,890
6. Sabine .....	Gas	Entergy Texas Inc.	1,814
7. Limestone .....	Coal	NRG Texas Power LLC	1,689
8. Fayette Power Project.....	Coal	Lower Colorado River Authority	1,641
9. Forney Energy Center.....	Gas	FPLE Forney LP	1,640
10. Welsh.....	Coal	Southwestern Electric Power Co	1,584

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, 2010**  
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
<b>Texas</b>						
1. TXU Energy Retail Co LP .....	Investor-Owned	52,921,258	28,719,751	8,288,817	15,912,690	-
2. Reliant Energy Retail Services LLC .....	Investor-Owned	42,054,778	18,697,923	3,555,417	19,801,438	-
3. San Antonio City of.....	Public	20,219,770	8,887,220	10,403,563	928,987	-
4. Entergy Texas Inc.....	Investor-Owned	16,141,077	5,957,864	4,541,355	5,641,858	-
5. Southwestern Public Service Co .....	Investor-Owned	14,189,128	2,622,741	3,870,049	7,696,338	-
Total Sales, Top Five Providers .....		145,526,011	64,885,499	30,659,201	49,981,311	-
Percent of Total State Sales .....		41	47	25	50	-

- (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, 2000 and 2004 Through 2010**  
(Megawatts)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Texas</b>										
<b>Electric Utilities.....</b>	<b>65,383</b>	<b>22,897</b>	<b>24,033</b>	<b>24,991</b>	<b>24,569</b>	<b>25,005</b>	<b>25,140</b>	<b>26,533</b>	<b>79.8</b>	<b>24.5</b>
Coal.....	19,473	8,320	8,984	8,889	8,904	8,978	9,024	9,761	23.8	9.0
Petroleum.....	37	13	13	13	13	15	15	15	*	*
Natural Gas.....	40,363	13,889	14,329	15,271	14,841	15,307	15,379	16,074	49.3	14.8
Other Gases <sup>1</sup> .....	-	-	-	104	104	-	-	-	-	-
Nuclear.....	4,800	-	-	-	-	-	-	-	5.9	-
Hydroelectric.....	696	661	666	674	666	665	682	682	0.8	0.6
Other Renewables <sup>2</sup> .....	1	1	1	1	1	1	1	1	*	*
Other <sup>3</sup> .....	13	13	39	39	39	39	39	-	*	-
<b>Independent Power Producers and Combined Heat and Power .....</b>	<b>16,512</b>	<b>78,207</b>	<b>77,013</b>	<b>75,763</b>	<b>77,369</b>	<b>79,960</b>	<b>77,898</b>	<b>81,724</b>	<b>20.2</b>	<b>75.5</b>
Coal.....	338	11,881	11,204	10,954	10,913	11,211	11,223	12,574	0.4	11.6
Petroleum.....	709	217	209	207	203	203	206	189	0.9	0.2
Natural Gas.....	14,927	59,327	58,397	56,467	56,311	55,549	51,517	53,217	18.2	49.2
Other Gases <sup>1</sup> .....	171	359	237	183	204	187	184	306	0.2	0.3
Nuclear.....	-	4,860	4,860	4,860	4,860	4,927	4,927	4,966	-	4.6
Hydroelectric.....	2	7	7	7	7	7	7	7	*	*
Other Renewables <sup>2</sup> .....	358	1,431	1,940	2,924	4,710	7,706	9,664	10,294	0.4	9.5
Other <sup>3</sup> .....	6	123	160	161	160	170	170	171	*	0.2
<b>Total Electric Industry.....</b>	<b>81,895</b>	<b>101,104</b>	<b>101,046</b>	<b>100,754</b>	<b>101,938</b>	<b>104,966</b>	<b>103,037</b>	<b>108,258</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	19,811	20,201	20,188	19,843	19,817	20,189	20,247	22,335	24.2	20.6
Petroleum.....	746	231	222	220	216	218	221	204	0.9	0.2
Natural Gas.....	55,291	73,216	72,726	71,737	71,152	70,856	66,896	69,291	67.5	64.0
Other Gases <sup>1</sup> .....	171	359	237	287	308	187	184	306	0.2	0.3
Nuclear.....	4,800	4,860	4,860	4,860	4,860	4,927	4,927	4,966	5.9	4.6
Hydroelectric.....	697	668	673	681	673	673	689	689	0.9	0.6
Other Renewables <sup>2</sup> .....	360	1,433	1,941	2,925	4,712	7,708	9,665	10,295	0.4	9.5
Other <sup>3</sup> .....	19	136	199	200	199	209	209	171	*	0.2

<sup>1</sup> Other gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

<sup>2</sup> Other Renewables includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>3</sup> Other includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

\* = 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, 2000 and 2004 Through 2010**  
(Megawatthours)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Texas</b>										
<b>Electric Utilities.....</b>	<b>297,298,634</b>	<b>92,054,150</b>	<b>95,187,030</b>	<b>94,637,956</b>	<b>97,259,636</b>	<b>94,637,160</b>	<b>90,418,339</b>	<b>95,099,161</b>	<b>78.7</b>	<b>23.1</b>
Coal.....	137,876,671	63,893,450	61,275,542	59,478,349	61,656,860	62,262,810	57,685,903	63,173,377	36.5	15.3
Petroleum.....	1,200,446	67,624	68,365	72,613	62,424	25,575	26,061	38,356	0.3	*
Natural Gas.....	119,840,216	26,726,978	32,324,018	34,131,142	33,699,541	31,102,952	31,718,223	30,668,006	31.7	7.4
Nuclear.....	37,555,807	-	-	-	-	-	-	-	9.9	-
Hydroelectric.....	825,453	1,266,098	1,288,469	611,491	1,593,542	989,185	983,369	1,218,623	0.2	0.3
Other Renewables <sup>1</sup> .....	41	2,454	1,056	393	736	1,279	999	799	*	*
Other <sup>2</sup> .....	-	97,546	229,580	343,968	246,533	255,358	3,784	-	-	-
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>80,443,731</b>	<b>298,244,982</b>	<b>301,481,692</b>	<b>305,944,922</b>	<b>308,232,660</b>	<b>310,150,621</b>	<b>306,749,570</b>	<b>316,595,885</b>	<b>21.3</b>	<b>76.9</b>
Coal.....	2,795,293	84,991,205	87,082,481	86,912,992	85,622,029	84,869,030	81,420,694	86,999,455	0.7	21.1
Petroleum.....	1,615,196	1,661,282	1,514,330	1,716,570	1,246,479	1,007,944	1,378,545	670,125	0.4	0.2
Natural Gas.....	68,893,079	162,027,685	165,341,240	163,739,091	165,831,740	162,144,126	157,348,260	156,214,232	18.2	37.9
Other Gases <sup>3</sup> .....	3,798,047	4,203,684	3,271,768	3,798,403	3,601,211	3,400,506	3,649,305	3,290,570	1.0	0.8
Nuclear.....	-	40,435,372	38,232,493	41,264,278	40,955,030	40,727,370	41,497,617	41,335,248	-	10.0
Hydroelectric.....	3,510	34,511	44,091	50,480	50,895	50,282	45,288	43,209	*	*
Other Renewables <sup>1</sup> .....	1,770,566	4,244,234	5,334,556	7,817,867	10,286,876	17,637,815	21,103,477	27,704,029	0.5	6.7
Other <sup>2</sup> .....	1,568,040	647,010	660,733	645,240	638,399	313,547	306,385	339,017	0.4	0.1
<b>Total Electric Industry.....</b>	<b>377,742,365</b>	<b>390,299,132</b>	<b>396,668,722</b>	<b>400,582,878</b>	<b>405,492,296</b>	<b>404,787,781</b>	<b>397,167,910</b>	<b>411,695,046</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	140,671,964	148,884,655	148,358,023	146,391,341	147,278,889	147,131,841	139,106,597	150,172,832	37.2	36.5
Petroleum.....	2,815,642	1,728,906	1,582,695	1,789,183	1,308,904	1,033,520	1,404,606	708,481	0.7	0.2
Natural Gas.....	188,733,295	188,754,663	197,665,258	197,870,233	199,531,281	193,247,078	189,066,483	186,882,238	50.0	45.4
Other Gases <sup>3</sup> .....	3,798,047	4,203,684	3,271,768	3,798,403	3,601,211	3,400,506	3,649,305	3,290,570	1.0	0.8
Nuclear.....	37,555,807	40,435,372	38,232,493	41,264,278	40,955,030	40,727,370	41,497,617	41,335,248	9.9	10.0
Hydroelectric.....	828,963	1,300,609	1,332,560	661,971	1,644,437	1,039,467	1,028,657	1,261,832	0.2	0.3
Other Renewables <sup>1</sup> .....	1,770,607	4,246,688	5,335,612	7,818,260	10,287,612	17,639,094	21,104,476	27,704,828	0.5	6.7
Other <sup>2</sup> .....	1,568,040	744,556	890,313	989,208	884,932	568,905	310,169	339,017	0.4	0.1

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>2</sup> Other includes non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

<sup>3</sup> Other gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

\* = 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.

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

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, 2000 and 2004 Through 2010**

Fuel, Quality	2000	2004	2005	2006	2007	2008	2009	2010
<b>Texas</b>								
Coal (cents per million Btu) .....	123	131	129	W	W	162	W	184
Average heat value (Btu per pound).....	7,548	7,641	7,611	7,665	7,681	7,759	7,787	7,705
Average sulfur Content (percent).....	0.65	0.77	0.74	0.67	0.60	0.56	0.61	0.61
Petroleum (cents per million Btu) <sup>1</sup> .....	617	171	248	W	240	312	213	423
Average heat value (Btu per gallon).....	135,419	137,700	137,955	137,876	136,814	136,638	136,569	135,686
Average sulfur Content (percent).....	0.30	3.32	3.64	3.64	3.68	3.85	3.52	3.20
Natural Gas (cents per million Btu).....	416	577	783	645	664	876	392	455
Average heat value (Btu per cubic foot).....	1,020	1,026	1,029	1,025	1,023	1,023	1,021	1,021

<sup>1</sup> 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, 2000 and 2004 Through 2010 (Thousand Metric Tons)**

Emission Type	2000	2004	2005	2006	2007	2008	2009	2010
<b>Texas</b>								
<b>Sulfur Dioxide .....</b>								
Coal.....	539	531	537	523	449	436	406	416
Petroleum.....	70	21	6	29	13	7	6	4
Natural Gas.....	*	1	1	1	1	1	1	1
Other Gases.....	*	*	*	*	*	*	*	*
Other Renewables <sup>1</sup> .....	12	21	5	6	6	13	6	9
Other <sup>2</sup> .....	*	-	*	*	*	-	*	*
Total.....	622	574	549	558	468	457	419	430
<b>Nitrogen Oxide .....</b>								
Coal.....	218	132	126	120	113	112	101	105
Petroleum.....	74	7	5	8	3	1	1	1
Natural Gas.....	205	117	104	109	105	86	84	83
Other Gases.....	5	9	7	14	14	6	5	6
Other Renewables <sup>1</sup> .....	5	9	5	6	8	9	7	9
Other <sup>2</sup> .....	3	*	*	3	4	-	*	*
Total.....	511	273	247	260	247	215	199	204
<b>Carbon Dioxide .....</b>								
Coal.....	146,787	154,377	154,479	152,699	152,637	152,418	144,008	154,627
Petroleum.....	3,653	2,732	2,197	2,898	1,815	1,381	1,776	849
Natural Gas.....	114,330	102,306	104,656	104,617	103,317	98,911	97,075	95,913
Other Gases.....	3	-	-	-	-	-	-	-
Other <sup>2</sup> .....	43	-	-	-	-	-	5	20
Total.....	264,816	259,415	261,332	260,214	257,769	252,710	242,864	251,409

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, and other biomass.

<sup>2</sup> Other includes non-biogenic municipal solid waste, tire-derived fuels, and miscellaneous technologies.

\* = 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.

Note: CO2 emissions for the historical years 1998 - 2008 have been revised due to changes in emission factors.

Sources: Calculations made by the Electric Power Systems and Reliability Team; Office of Electricity, Renewables, and Uranium Statistics; U. S. Energy Information Administration.

**Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 2000 and 2004 Through 2010**

Sector	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Texas</b>										
<b>Retail Sales (thousand megawatthours) .....</b>										
Residential .....	116,895	120,330	126,562	126,843	124,921	127,712	129,797	137,161	36.7	38.3
Commercial .....	84,848	99,616	110,784	111,130	110,540	113,473	118,497	121,467	26.7	33.9
Industrial .....	101,588	100,588	96,841	104,689	108,300	105,806	96,931	99,754	31.9	27.8
Other .....	14,931	NA	NA	NA	NA	NA	NA	NA	4.7	--
Transportation.....	NA	81	71	62	67	69	71	74	--	*
All Sectors .....	318,263	320,615	334,258	342,724	343,829	347,059	345,296	358,458	100.0	100.0
<b>Retail Revenue (million dollars).....</b>										
Residential .....	9,305	11,707	13,832	16,307	15,419	16,649	16,072	15,906	45.1	47.5
Commercial .....	5,835	7,867	9,810	10,951	10,910	12,193	11,444	11,163	28.3	33.3
Industrial .....	4,491	5,902	6,916	8,185	8,439	9,301	6,534	6,420	21.8	19.2
Other .....	1,011	NA	NA	NA	NA	NA	NA	NA	4.9	--
Transportation.....	NA	6	6	5	6	6	7	7	--	*
All Sectors .....	20,642	25,482	30,564	35,448	34,773	38,150	34,056	33,497	100.0	100.0
<b>Average Retail Prices (cents/kWh) .....</b>										
Residential .....	7.96	9.73	10.93	12.86	12.34	13.04	12.38	11.60	--	--
Commercial .....	6.88	7.90	8.85	9.85	9.87	10.75	9.66	9.19	--	--
Industrial .....	4.42	5.87	7.14	7.82	7.79	8.79	6.74	6.44	--	--
Other .....	6.77	NA	NA	NA	NA	NA	NA	NA	--	--
Transportation.....	NA	7.02	8.45	8.42	8.40	8.64	9.83	9.82	--	--
All Sectors .....	6.49	7.95	9.14	10.34	10.11	10.99	9.86	9.34	--	--

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, 2010**

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
<b>Texas</b>								
Number of Entities.....	77	72	NA	67	9	NA	NA	225
Number of Retail Customers .....	7,476,159	1,722,007	NA	1,925,881	9	NA	NA	11,124,056
Retail Sales (thousand megawatthours).....	262,289	47,979	NA	42,319	5,871	NA	NA	358,458
Percentage of Retail Sales .....	73.17	13.38	--	11.81	1.64	--	--	100.00
Revenue from Retail Sales (million dollars) .....	24,545	4,189	NA	4,306	456	NA	NA	33,497
Percentage of Revenue .....	73.28	12.51	--	12.85	1.36	--	--	100.00
Average Retail Price (cents/kWh).....	9.36	8.73	NA	10.17	7.78	NA	NA	9.34

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Data are shown for All Sectors. Full Service Providers sell bundled electricity services (e.g., both energy and delivery) to end users. Full Service Providers may purchase electricity from others (such as independent Power Producers or other full service providers) prior to delivery. Other Providers sell either the energy or the delivery services, but not both. Sales volumes and customer counts shown for Other Providers refer to delivered electricity, which is a joint activity of both energy and delivery providers; for clarity, they are reported only in the Energy column in this table. The revenue shown under Other Providers represents the revenue realized from the sale of the energy and the delivery services distinctly. "Public" entities include municipalities, State power agencies, and municipal marketing authorities. Federal entities are either owned or financed by the Federal Government. "Cooperatives" are electric utilities legally established to be owned by and operated for the benefit of those using its services. The cooperative will generate, transmit and/or distribute supplies of electric energy to a specified area not being serviced by another utility. "Non-utility" sales represent direct electricity transactions from independent generators to end use consumers. Totals may not equal sum of components because of independent rounding.

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

**Table 10. Supply and Disposition of Electricity, 2000 and 2004 Through 2010**  
(Million Kilowatthours)

Category	2000	2004	2005	2006	2007	2008	2009	2010
<b>Texas</b>								
<b>Supply</b> .....								
<b>Generation</b> .....								
Electric Utilities .....	297,299	92,054	95,187	94,638	97,260	94,637	90,418	95,099
Independent Power Producers .....	10,466	205,978	216,933	224,749	224,719	229,159	227,007	232,230
Combined Heat and Power, Electric .....	28,495	49,841	44,759	41,286	46,010	45,785	44,780	43,045
<b>Electric Power Sector Generation Subtotal</b> .....	<b>336,259</b>	<b>347,872</b>	<b>356,879</b>	<b>360,674</b>	<b>367,989</b>	<b>369,581</b>	<b>362,206</b>	<b>370,374</b>
Combined Heat and Power, Commercial .....	497	476	508	521	476	467	468	497
Combined Heat and Power, Industrial.....	40,986	41,951	39,282	39,388	37,028	34,740	34,494	40,824
<b>Industrial and Commercial Generation Subtotal</b> .....	<b>41,483</b>	<b>42,427</b>	<b>39,790</b>	<b>39,909</b>	<b>37,503</b>	<b>35,206</b>	<b>34,962</b>	<b>41,321</b>
<b>Total Net Generation</b> .....	<b>377,742</b>	<b>390,299</b>	<b>396,669</b>	<b>400,583</b>	<b>405,492</b>	<b>404,788</b>	<b>397,168</b>	<b>411,695</b>
<b>Total International Imports</b> .....	<b>2</b>	<b>79</b>	<b>78</b>	<b>80</b>	<b>160</b>	<b>961</b>	<b>447</b>	<b>298</b>
<b>Total Supply</b> .....	<b>377,745</b>	<b>390,378</b>	<b>396,747</b>	<b>400,662</b>	<b>405,653</b>	<b>405,749</b>	<b>397,615</b>	<b>411,994</b>
<b>Disposition</b> .....								
<b>Retail Sales</b> .....								
Full Service Providers .....	318,263	318,116	330,118	338,259	335,439	340,533	338,678	352,587
Facility Direct Retail Sales <sup>1</sup> .....	-	2,499	4,141	4,465	8,389	6,526	6,617	5,871
<b>Total Electric Industry Retail Sales</b> .....	<b>318,263</b>	<b>320,615</b>	<b>334,258</b>	<b>342,724</b>	<b>343,829</b>	<b>347,059</b>	<b>345,296</b>	<b>358,458</b>
<b>Direct Use</b> .....	<b>42,459</b>	<b>41,749</b>	<b>45,497</b>	<b>33,122</b>	<b>29,111</b>	<b>28,558</b>	<b>32,232</b>	<b>33,873</b>
<b>Total International Exports</b> .....	<b>19</b>	<b>295</b>	<b>294</b>	<b>292</b>	<b>402</b>	<b>1,013</b>	<b>337</b>	<b>310</b>
<b>Estimated Losses</b> .....	<b>22,652</b>	<b>20,135<sup>R</sup></b>	<b>14,503<sup>R</sup></b>	<b>17,368</b>	<b>21,298</b>	<b>27,226</b>	<b>22,206<sup>R</sup></b>	<b>24,164</b>
<b>Net Interstate Trade</b> <sup>2</sup> .....	<b>-5,647</b>	<b>7,584<sup>R</sup></b>	<b>2,194<sup>R</sup></b>	<b>7,157</b>	<b>11,013</b>	<b>1,893</b>	<b>-2,456</b>	<b>-4,812</b>
<b>Total Disposition</b> .....	<b>377,745</b>	<b>390,378</b>	<b>396,747</b>	<b>400,662</b>	<b>405,653</b>	<b>405,749</b>	<b>397,615</b>	<b>411,994</b>
<b>Net Trade Index (ratio)</b> <sup>3</sup> .....	<b>0.99</b>	<b>1.02</b>	<b>1.01</b>	<b>1.02</b>	<b>1.03</b>	<b>1.00</b>	<b>0.99</b>	<b>0.99</b>

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

<sup>2</sup> Net Interstate Trade = Total Supply - (Total Electric Industry Retail Sales + Direct Use + Total International Exports (if applies) + Estimated Losses).

<sup>3</sup> Net Trade Index is the sum of Total Supply / (Total Disposition - Net Interstate Trade).

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. Beginning with publication year 2010, Total disposition has been reorganized to include Net Interstate Trade. Therefore, Total Disposition equals Total Supply.

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. 2010 Summary Statistics**

Item	Value	U.S. Rank
<b>Utah</b>		
NERC Region(s).....		WECC
Primary Energy Source.....		Coal
Net Summer Capacity (megawatts) .....	7,497	39
Electric Utilities.....	6,648	32
Independent Power Producers & Combined Heat and Power.....	849	44
Net Generation (megawatthours).....	42,249,355	35
Electric Utilities.....	39,522,124	29
Independent Power Producers & Combined Heat and Power.....	2,727,231	43
Emissions (thousand metric tons) .....		
Sulfur Dioxide .....	25	34
Nitrogen Oxide .....	68	13
Carbon Dioxide.....	35,519	27
Sulfur Dioxide (lbs/MWh) .....	1.3	38
Nitrogen Oxide (lbs/MWh) .....	3.6	4
Carbon Dioxide (lbs/MWh).....	1,853	9
Total Retail Sales (megawatthours) .....	28,044,001	37
Full Service Provider Sales (megawatthours) .....	28,044,001	36
Direct Use (megawatthours) .....	3,887,515	8
Average Retail Price (cents/kWh).....	6.94	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, 2010**

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
<b>Utah</b>			
1. Intermountain Power Project.....	Coal	Los Angeles City of	1,800
2. Hunter .....	Coal	PacifiCorp	1,336
3. Huntington .....	Coal	PacifiCorp	911
4. Lake Side Power Plant.....	Gas	PacifiCorp	557
5. Currant Creek .....	Gas	PacifiCorp	540
6. Bonanza .....	Coal	Deseret Generation & Tran Coop	458
7. Gadsby .....	Gas	PacifiCorp	348
8. KUCC .....	Coal	Kennecott Utah Copper Corporation	213
9. Milford Wind Corridor I LLC.....	Other Renewables	Milford Wind Corridor Phase I LLC	204
10. West Valley Generation Project .....	Gas	CER Generation LLC	189

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, 2010**  
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
1. PacifiCorp.....	Investor-Owned	22,476,705	6,549,149	8,057,443	7,836,400	33,713
2. Provo City Corp.....	Public	767,384	243,455	390,057	133,872	-
3. City of St George.....	Public	595,149	267,184	104,990	222,975	-
4. City of Murray.....	Public	416,137	115,880	255,171	45,086	-
5. Moon Lake Electric Assn Inc.....	Cooperative	412,635	130,571	226,952	55,112	-
Total Sales, Top Five Providers.....		24,668,010	7,306,239	9,034,613	8,293,445	33,713
Percent of Total State Sales.....		88	83	87	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, 2000 and 2004 Through 2010**  
(Megawatts)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Electric Utilities.....</b>	<b>5,111</b>	<b>5,754</b>	<b>6,053</b>	<b>6,212</b>	<b>6,710</b>	<b>6,499</b>	<b>6,581</b>	<b>6,648</b>	<b>97.9</b>	<b>88.7</b>
Coal.....	4,464	4,645	4,645	4,645	4,645	4,645	4,645	4,677	85.5	62.4
Petroleum.....	44	38	35	35	25	25	25	23	0.8	0.3
Natural Gas.....	303	796	1,098	1,257	1,755	1,542	1,624	1,660	5.8	22.1
Hydroelectric.....	265	252	253	253	253	253	253	253	5.1	3.4
Other Renewables <sup>1</sup> .....	35	23	23	23	33	34	34	34	0.7	0.5
Pumped Storage.....	*	-	-	-	-	-	-	-	*	-
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>112</b>	<b>436</b>	<b>475</b>	<b>500</b>	<b>412</b>	<b>633</b>	<b>838</b>	<b>849</b>	<b>2.1</b>	<b>11.3</b>
Coal.....	101	181	246	246	226	226	226	226	1.9	3.0
Petroleum.....	2	-	-	-	-	-	-	-	*	-
Natural Gas.....	4	195	225	215	179	381	378	382	0.1	5.1
Hydroelectric.....	4	2	2	2	2	2	2	2	0.1	*
Other Renewables <sup>1</sup> .....	1	1	1	4	5	23	231	239	*	3.2
Other <sup>2</sup> .....	-	57	-	32	-	-	-	-	-	-
<b>Total Electric Industry.....</b>	<b>5,223</b>	<b>6,190</b>	<b>6,528</b>	<b>6,712</b>	<b>7,122</b>	<b>7,132</b>	<b>7,418</b>	<b>7,497</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	4,565	4,826	4,891	4,891	4,871	4,871	4,871	4,903	87.4	65.4
Petroleum.....	46	38	35	35	25	25	25	23	0.9	0.3
Natural Gas.....	306	991	1,323	1,473	1,934	1,923	2,002	2,042	5.9	27.2
Hydroelectric.....	269	254	255	255	255	256	256	255	5.1	3.4
Other Renewables <sup>1</sup> .....	36	24	24	27	38	57	265	273	0.7	3.6
Pumped Storage.....	*	-	-	-	-	-	-	-	*	-
Other <sup>2</sup> .....	-	57	-	32	-	-	-	-	-	-

<sup>1</sup> Other Renewables includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>2</sup> Other includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

\* = 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, 2000 and 2004 Through 2010**  
(Megawatthours)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Utah</b>										
<b>Electric Utilities.....</b>	<b>35,827,490</b>	<b>37,165,917</b>	<b>36,695,193</b>	<b>39,590,509</b>	<b>43,319,965</b>	<b>44,424,071</b>	<b>40,991,819</b>	<b>39,522,124</b>	<b>97.9</b>	<b>93.5</b>
Coal.....	34,045,804	35,634,374	34,824,862	35,667,551	35,910,192	36,761,964	34,284,061	32,839,935	93.0	77.7
Petroleum.....	56,940	32,567	40,245	29,619	38,828	43,612	36,057	50,357	0.2	0.1
Natural Gas.....	830,557	864,181	874,505	2,965,072	6,673,998	6,705,185	5,565,584	5,671,240	2.3	13.4
Hydroelectric.....	737,830	439,919	770,779	737,659	533,021	659,033	826,996	686,235	2.0	1.6
Other Renewables <sup>1</sup> .....	151,843	194,876	184,802	190,608	163,925	254,277	279,121	274,358	0.4	0.6
Pumped Storage.....	4,516	-	-	-	-	-	-	-	*	-
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>781,584</b>	<b>1,046,060</b>	<b>1,469,938</b>	<b>1,672,815</b>	<b>2,052,610</b>	<b>2,154,691</b>	<b>2,551,126</b>	<b>2,727,231</b>	<b>2.1</b>	<b>6.5</b>
Coal.....	445,620	983,480	1,145,543	1,187,999	1,260,602	1,258,402	1,242,065	1,217,330	1.2	2.9
Petroleum.....	1,031	34	664	32,507	319	-	-	-	*	-
Natural Gas.....	59,671	45,669	302,996	423,478	750,220	661,122	878,458	784,156	0.2	1.9
Other Gases <sup>2</sup> .....	257,857	-	-	-	-	35,788	27,933	36,220	0.7	0.1
Hydroelectric.....	8,295	9,929	13,684	9,124	5,761	9,051	8,261	9,277	*	*
Other Renewables <sup>1</sup> .....	9,110	3,821	3,948	14,868	31,030	47,585	207,415	506,609	*	1.2
Other <sup>3</sup> .....	-	3,126	3,102	4,838	4,679	142,743	186,994	173,638	-	0.4
<b>Total Electric Industry.....</b>	<b>36,609,074</b>	<b>38,211,977</b>	<b>38,165,131</b>	<b>41,263,324</b>	<b>45,372,575</b>	<b>46,578,763</b>	<b>43,542,946</b>	<b>42,249,355</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	34,491,424	36,617,854	35,970,405	36,855,550	37,170,794	38,020,367	35,526,126	34,057,265	94.2	80.6
Petroleum.....	57,971	32,601	40,909	62,126	39,147	43,612	36,057	50,357	0.2	0.1
Natural Gas.....	890,228	909,850	1,177,501	3,388,550	7,424,218	7,366,307	6,444,042	6,455,396	2.4	15.3
Other Gases <sup>2</sup> .....	257,857	-	-	-	-	35,788	27,933	36,220	0.7	0.1
Hydroelectric.....	746,125	449,848	784,463	746,783	538,782	668,084	835,257	695,512	2.0	1.6
Other Renewables <sup>1</sup> .....	160,953	198,697	188,750	205,476	194,955	301,862	486,536	780,967	0.4	1.8
Pumped Storage.....	4,516	-	-	-	-	-	-	-	*	-
Other <sup>3</sup> .....	-	3,126	3,102	4,838	4,679	142,743	186,994	173,638	-	0.4

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>2</sup> Other gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

<sup>3</sup> Other includes non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

\* = 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.

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

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, 2000 and 2004 Through 2010**

Fuel, Quality	2000	2004	2005	2006	2007	2008	2009	2010
<b>Utah</b>								
Coal (cents per million Btu) .....	101	W	W	W	W	W	W	170
Average heat value (Btu per pound).....	11,678	10,718	10,786	10,981	11,156	11,060	10,965	11,047
Average sulfur Content (percent) .....	0.45	0.52	0.52	0.58	0.58	0.53	0.56	0.60
Petroleum (cents per million Btu) <sup>1</sup> .....	679	924	1,291	1,525	1,753	2,217	1,413	1,782
Average heat value (Btu per gallon).....	139,290	139,512	139,752	139,660	139,376	138,979	139,467	139,298
Average sulfur Content (percent) .....	0.21	0.23	0.26	0.25	0.25	0.30	0.31	0.26
Natural Gas (cents per million Btu).....	384	W	W	W	W	W	W	438
Average heat value (Btu per cubic foot).....	1,049	1,049	1,047	1,052	1,051	1,036	1,043	1,040

<sup>1</sup> 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, 2000 and 2004 Through 2010 (Thousand Metric Tons)**

Emission Type	2000	2004	2005	2006	2007	2008	2009	2010
<b>Utah</b>								
<b>Sulfur Dioxide .....</b>								
Coal.....	31	34	31	34	25	22	30	25
Petroleum.....	*	*	*	*	*	*	*	*
Natural Gas.....	*	*	*	*	*	*	*	*
Other Gases.....	*	-	-	-	-	-	-	-
Other <sup>1</sup> .....	*	*	*	-	*	*	*	*
Total.....	31	34	31	34	25	22	30	25
<b>Nitrogen Oxide .....</b>								
Coal.....	69	65	62	68	67	62	66	66
Petroleum.....	*	*	*	*	*	*	*	*
Natural Gas.....	3	1	1	1	3	2	1	1
Other Gases.....	*	-	-	-	-	-	*	*
Other Renewables <sup>2</sup> .....	-	-	-	*	*	*	*	1
Other <sup>1</sup> .....	*	*	*	-	*	*	*	*
Total.....	74	66	64	69	70	65	68	68
<b>Carbon Dioxide .....</b>								
Coal.....	32,447	34,906	35,528	35,106	35,503	36,106	33,576	32,659
Petroleum.....	44	26	31	56	31	33	27	34
Natural Gas.....	702	528	701	1,631	3,321	3,182	2,855	2,767
Geothermal.....	4	5	5	5	4	7	7	7
Other Renewables <sup>2</sup> .....	-	-	-	-	-	-	-	30
Other <sup>1</sup> .....	58	57	58	56	46	54	52	23
Total.....	33,254	35,522	36,324	36,853	38,906	39,381	36,518	35,519

<sup>1</sup> Other includes non-biogenic municipal solid waste, tire-derived fuels, and miscellaneous technologies.

<sup>2</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, and other biomass.

\* = 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.

Note: CO2 emissions for the historical years 1998 - 2008 have been revised due to changes in emission factors.

Sources: Calculations made by the Electric Power Systems and Reliability Team; Office of Electricity, Renewables, and Uranium Statistics; U. S. Energy Information Administration.

**Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 2000 and 2004 Through 2010**

Sector	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Utah</b>										
<b>Retail Sales (thousand megawatthours) .....</b>										
Residential .....	6,514	7,325	7,567	8,232	8,752	8,786	8,725	8,834	28.1	31.5
Commercial .....	7,884	9,345	9,417	9,749	10,241	10,286	10,235	10,368	34.0	37.0
Industrial .....	7,917	7,816	7,989	8,356	8,759	9,086	8,594	8,808	34.1	31.4
Other .....	870	NA	NA	NA	NA	NA	NA	NA	3.8	--
Transportation.....	NA	25	28	29	34	33	32	34	--	0.1
All Sectors .....	23,185	24,512	25,000	26,366	27,785	28,192	27,587	28,044	100.0	100.0
<b>Retail Revenue (million dollars).....</b>										
Residential .....	410	528	569	625	714	725	740	769	36.5	39.5
Commercial .....	412	551	571	599	669	686	712	741	36.7	38.0
Industrial .....	265	314	339	352	396	417	414	434	23.6	22.3
Other .....	36	NA	NA	NA	NA	NA	NA	NA	3.2	--
Transportation.....	NA	2	2	2	3	3	3	3	--	0.2
All Sectors .....	1,123	1,395	1,481	1,578	1,782	1,830	1,868	1,948	100.0	100.0
<b>Average Retail Prices (cents/kWh) .....</b>										
Residential .....	6.29	7.21	7.52	7.59	8.15	8.26	8.48	8.71	--	--
Commercial .....	5.23	5.90	6.07	6.15	6.54	6.66	6.96	7.15	--	--
Industrial .....	3.35	4.01	4.24	4.21	4.52	4.59	4.81	4.93	--	--
Other .....	4.14	NA	NA	NA	NA	NA	NA	NA	--	--
Transportation.....	NA	6.57	7.20	7.19	7.44	7.85	8.31	8.69	--	--
All Sectors .....	4.84	5.69	5.92	5.99	6.41	6.49	6.77	6.94	--	--

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, 2010**

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 .....	796,908	227,176	10	44,289	NA	NA	NA	1,068,383
Retail Sales (thousand megawatthours).....	22,477	4,426	61	1,080	NA	NA	NA	28,044
Percentage of Retail Sales .....	80.15	15.78	0.22	3.85	--	--	--	100.00
Revenue from Retail Sales (million dollars) .....	1,516	356	2	74	NA	NA	NA	1,948
Percentage of Revenue .....	77.86	18.26	0.10	3.78	--	--	--	100.00
Average Retail Price (cents/kWh).....	6.75	8.04	3.09	6.82	NA	NA	NA	6.94

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Data are shown for All Sectors. Full Service Providers sell bundled electricity services (e.g., both energy and delivery) to end users. Full Service Providers may purchase electricity from others (such as independent Power Producers or other full service providers) prior to delivery. Other Providers sell either the energy or the delivery services, but not both. Sales volumes and customer counts shown for Other Providers refer to delivered electricity, which is a joint activity of both energy and delivery providers; for clarity, they are reported only in the Energy column in this table. The revenue shown under Other Providers represents the revenue realized from the sale of the energy and the delivery services distinctly. "Public" entities include municipalities, State power agencies, and municipal marketing authorities. Federal entities are either owned or financed by the Federal Government. "Cooperatives" are electric utilities legally established to be owned by and operated for the benefit of those using its services. The cooperative will generate, transmit and/or distribute supplies of electric energy to a specified area not being serviced by another utility. "Non-utility" sales represent direct electricity transactions from independent generators to end use consumers. Totals may not equal sum of components because of independent rounding.

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



**Table 10. Supply and Disposition of Electricity, 2000 and 2004 Through 2010**  
(Million Kilowatthours)

Category	2000	2004	2005	2006	2007	2008	2009	2010
<b>Utah</b>								
<b>Supply</b> .....								
<b>Generation</b> .....								
Electric Utilities .....	35,827	37,166	36,695	39,591	43,320	44,424	40,992	39,522
Independent Power Producers .....	440	406	706	829	1,096	976	1,325	1,517
Combined Heat and Power, Electric .....	9	7	7	11	11	-2	10	9
<b>Electric Power Sector Generation Subtotal</b> .....	<b>36,276</b>	<b>37,579</b>	<b>37,408</b>	<b>40,430</b>	<b>44,427</b>	<b>45,398</b>	<b>42,327</b>	<b>41,048</b>
Combined Heat and Power, Commercial .....	25	21	20	28	45	6	3	*
Combined Heat and Power, Industrial.....	308	612	737	805	901	1,175	1,213	1,201
<b>Industrial and Commercial Generation Subtotal</b> .....	<b>333</b>	<b>633</b>	<b>757</b>	<b>833</b>	<b>946</b>	<b>1,180</b>	<b>1,216</b>	<b>1,201</b>
<b>Total Net Generation</b> .....	<b>36,609</b>	<b>38,212</b>	<b>38,165</b>	<b>41,263</b>	<b>45,373</b>	<b>46,579</b>	<b>43,543</b>	<b>42,249</b>
<b>Total International Imports</b> .....	-	15	41	15	22	12	8	17
<b>Total Supply</b> .....	<b>36,609</b>	<b>38,227</b>	<b>38,206</b>	<b>41,279</b>	<b>45,394</b>	<b>46,591</b>	<b>43,551</b>	<b>42,267</b>
<b>Disposition</b> .....								
<b>Retail Sales</b> .....								
Full Service Providers .....	23,185	24,512	25,000	26,366	27,785	28,192	27,587	28,044
<b>Total Electric Industry Retail Sales</b> .....	<b>23,185</b>	<b>24,512</b>	<b>25,000</b>	<b>26,366</b>	<b>27,785</b>	<b>28,192</b>	<b>27,587</b>	<b>28,044</b>
<b>Direct Use</b> .....	<b>364</b>	<b>361</b>	<b>742</b>	<b>967</b>	<b>73</b>	<b>17</b>	<b>1,093</b>	<b>3,888</b>
<b>Total International Exports</b> .....	-	-	1	1	38	55	43	13
<b>Estimated Losses</b> .....	<b>1,650</b>	<b>1,861</b>	<b>2,135</b>	<b>2,323</b>	<b>2,680</b>	<b>2,627</b>	<b>2,322</b>	<b>2,445</b>
<b>Net Interstate Trade</b> <sup>1</sup> .....	<b>11,409</b>	<b>11,494</b>	<b>10,328</b>	<b>11,622</b>	<b>14,819</b>	<b>15,702</b>	<b>12,506</b>	<b>7,877</b>
<b>Total Disposition</b> .....	<b>36,609</b>	<b>38,227</b>	<b>38,206</b>	<b>41,279</b>	<b>45,394</b>	<b>46,591</b>	<b>43,551</b>	<b>42,267</b>
<b>Net Trade Index (ratio)</b> <sup>2</sup> .....	<b>1.45</b>	<b>1.43</b>	<b>1.37</b>	<b>1.39</b>	<b>1.48</b>	<b>1.51</b>	<b>1.40</b>	<b>1.23</b>

<sup>1</sup> Net Interstate Trade = Total Supply - (Total Electric Industry Retail Sales + Direct Use + Total International Exports (if applies) + Estimated Losses).

<sup>2</sup> Net Trade Index is the sum of Total Supply / (Total Disposition - Net Interstate Trade).

\* = 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. Beginning with publication year 2010, Total disposition has been reorganized to include Net Interstate Trade. Therefore, Total Disposition equals Total Supply.

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. 2010 Summary Statistics**

Item	Value	U.S. Rank
<b>Vermont</b>		
NERC Region(s).....		NPCC
Primary Energy Source.....		Nuclear
<b>Net Summer Capacity (megawatts) .....</b>	<b>1,128</b>	<b>50</b>
Electric Utilities.....	260	45
Independent Power Producers & Combined Heat and Power.....	868	43
<b>Net Generation (megawatthours).....</b>	<b>6,619,990</b>	<b>49</b>
Electric Utilities.....	720,853	44
Independent Power Producers & Combined Heat and Power.....	5,899,137	35
<b>Emissions (thousand metric tons) .....</b>		
Sulfur Dioxide .....	*	51
Nitrogen Oxide .....	1	50
Carbon Dioxide.....	8	51
Sulfur Dioxide (lbs/MWh) .....	*	51
Nitrogen Oxide (lbs/MWh) .....	0.2	51
Carbon Dioxide (lbs/MWh).....	3	51
<b>Total Retail Sales (megawatthours) .....</b>	<b>5,594,833</b>	<b>51</b>
Full Service Provider Sales (megawatthours) .....	5,594,833	48
<b>Direct Use (megawatthours) .....</b>	<b>19,806</b>	<b>47</b>
<b>Average Retail Price (cents/kWh).....</b>	<b>13.24</b>	<b>10</b>

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, 2010**

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
<b>Vermont</b>			
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	19

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, 2010**  
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
<b>Vermont</b>						
1. Central Vermont Pub Serv Corp.....	Investor-Owned	2,201,153	979,922	849,639	371,592	-
2. Green Mountain Power Corp.....	Investor-Owned	1,912,901	573,807	698,688	640,406	-
3. Vermont Electric Cooperative, Inc.....	Cooperative	427,888	221,543	126,797	79,548	-
4. City of Burlington-Electric.....	Public	350,496	85,670	193,699	71,127	-
5. Omya Inc.....	Investor-Owned	196,154	6,504	4,999	184,651	-
Total Sales, Top Five Providers.....		5,088,592	1,867,446	1,873,822	1,347,324	-
Percent of Total State Sales.....		91	88	93	93	-

- (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, 2000 and 2004 Through 2010**  
(Megawatts)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Vermont</b>										
<b>Electric Utilities.....</b>	<b>777</b>	<b>251</b>	<b>258</b>	<b>259</b>	<b>258</b>	<b>259</b>	<b>257</b>	<b>260</b>	<b>79.0</b>	<b>23.0</b>
Petroleum.....	112	101	100	101	101	101	100	100	11.4	8.9
Nuclear.....	506	-	-	-	-	-	-	-	51.4	-
Hydroelectric.....	106	93	100	101	99	100	100	103	10.8	9.1
Other Renewables <sup>1</sup> .....	53	57	57	57	57	57	57	57	5.4	5.1
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>207</b>	<b>747</b>	<b>745</b>	<b>859</b>	<b>853</b>	<b>869</b>	<b>869</b>	<b>868</b>	<b>21.0</b>	<b>77.0</b>
Petroleum.....	-	7	7	7	-	-	-	-	-	-
Nuclear.....	-	506	506	620	620	620	620	620	-	55.0
Hydroelectric.....	183	211	208	208	209	222	221	221	18.6	19.6
Other Renewables <sup>1</sup> .....	24	24	24	24	24	27	27	27	2.4	2.4
<b>Total Electric Industry.....</b>	<b>984</b>	<b>998</b>	<b>1,002</b>	<b>1,117</b>	<b>1,111</b>	<b>1,127</b>	<b>1,126</b>	<b>1,128</b>	<b>100.0</b>	<b>100.0</b>
Petroleum.....	112	107	107	108	101	101	100	100	11.4	8.9
Nuclear.....	506	506	506	620	620	620	620	620	51.4	55.0
Hydroelectric.....	289	304	309	309	308	322	322	324	29.4	28.7
Other Renewables <sup>1</sup> .....	76	81	81	81	81	84	84	84	7.8	7.5

<sup>1</sup> Other Renewables includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

- (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, 2000 and 2004 Through 2010**  
(Megawatthours)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Vermont</b>										
<b>Electric Utilities.....</b>	<b>5,307,016</b>	<b>643,426</b>	<b>673,607</b>	<b>802,680</b>	<b>701,474</b>	<b>752,800</b>	<b>711,507</b>	<b>720,853</b>	<b>84.2</b>	<b>10.9</b>
Petroleum.....	60,660	17,800	10,179	7,371	7,811	4,266	2,439	4,509	1.0	0.1
Natural Gas.....	90,790	3,224	2,240	1,875	1,889	2,655	4,431	3,783	1.4	0.1
Nuclear.....	4,548,065	-	-	-	-	-	-	-	72.2	-
Hydroelectric.....	419,908	395,734	415,691	520,077	399,636	486,207	474,895	430,411	6.7	6.5
Other Renewables <sup>1</sup> .....	187,593	226,668	245,497	273,357	292,138	259,672	229,742	282,151	3.0	4.3
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>995,998</b>	<b>4,826,953</b>	<b>5,043,148</b>	<b>6,281,664</b>	<b>5,122,108</b>	<b>6,067,416</b>	<b>6,570,841</b>	<b>5,899,137</b>	<b>15.8</b>	<b>89.1</b>
Petroleum.....	220	-	-	-	-	-	-	-	*	-
Other Gases <sup>2</sup> .....	22,417	-	-	-	-	-	-	-	0.4	-
Nuclear.....	-	3,858,020	4,071,547	5,106,523	4,703,728	4,895,053	5,360,608	4,782,473	-	72.2
Hydroelectric.....	801,182	791,522	795,120	998,588	246,969	1,006,697	1,010,930	916,476	12.7	13.8
Other Renewables <sup>1</sup> .....	172,179	177,410	176,480	176,553	171,411	165,666	199,303	200,188	2.7	3.0
<b>Total Electric Industry.....</b>	<b>6,303,014</b>	<b>5,470,379</b>	<b>5,716,755</b>	<b>7,084,344</b>	<b>5,823,582</b>	<b>6,820,216</b>	<b>7,282,348</b>	<b>6,619,990</b>	<b>100.0</b>	<b>100.0</b>
Petroleum.....	60,880	17,800	10,179	7,371	7,811	4,266	2,439	4,509	1.0	0.1
Natural Gas.....	90,790	3,224	2,240	1,875	1,889	2,655	4,431	3,783	1.4	0.1
Other Gases <sup>2</sup> .....	22,417	-	-	-	-	-	-	-	0.4	-
Nuclear.....	4,548,065	3,858,020	4,071,547	5,106,523	4,703,728	4,895,053	5,360,608	4,782,473	72.2	72.2
Hydroelectric.....	1,221,090	1,187,256	1,210,811	1,518,665	646,605	1,492,904	1,485,825	1,346,887	19.4	20.3
Other Renewables <sup>1</sup> .....	359,772	404,078	421,977	449,910	463,549	425,338	429,045	482,339	5.7	7.3

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>2</sup> Other gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

\* = 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.

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

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, 2000 and 2004 Through 2010**

Fuel, Quality	2000	2004	2005	2006	2007	2008	2009	2010
<b>Vermont</b>								
Petroleum (cents per million Btu) <sup>1</sup> .....	675	-	1,314	-	-	1,999	1,179	1,644
Average heat value (Btu per gallon).....	134,088	-	138,098	-	-	NM	137,333	137,095
Average sulfur Content (percent) .....	0.42	-	0.40	-	-	NM	0.22	0.31
Natural Gas (cents per million Btu).....	486	-	887	781	761	909	563	569
Average heat value (Btu per cubic foot).....	1,012	-	1,007	1,000	1,014	1,005	1,005	1,007

<sup>1</sup> 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, 2000 and 2004 Through 2010**  
(Thousand Metric Tons)

Emission Type	2000	2004	2005	2006	2007	2008	2009	2010
<b>Vermont</b>								
<b>Sulfur Dioxide</b> .....								
Petroleum.....	*	*	*	*	*	*	*	*
Other Renewables <sup>1</sup> .....	*	*	*	*	*	*	*	*
Total.....	*	*	*	*	*	*	*	*
<b>Nitrogen Oxide</b> .....								
Petroleum.....	*	*	*	*	*	*	*	*
Natural Gas.....	-	*	*	*	*	*	*	*
Other Gases.....	*	-	-	-	-	-	-	-
Other Renewables <sup>1</sup> .....	1	*	*	*	*	*	1	1
Total.....	1	*	*	*	*	*	1	1
<b>Carbon Dioxide</b> .....								
Petroleum.....	67	19	12	9	9	5	3	5
Natural Gas.....	55	3	2	2	1	2	3	3
Other Gases.....	20	-	-	-	-	-	-	-
Total.....	141	22	14	10	10	7	7	8

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, and other biomass.

\* = 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.

Note: CO2 emissions for the historical years 1998 - 2008 have been revised due to changes in emission factors.

Sources: Calculations made by the Electric Power Systems and Reliability Team; Office of Electricity, Renewables, and Uranium Statistics; U. S. Energy Information Administration.

**Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 2000 and 2004 Through 2010**

Sector	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Vermont</b>										
<b>Retail Sales (thousand megawatthours) .....</b>										
Residential .....	2,037	2,109	2,189	2,142	2,170	2,133	2,122	2,128	36.1	38.0
Commercial .....	1,910	1,978	2,051	2,027	2,059	2,043	1,991	2,021	33.9	36.1
Industrial .....	1,646	1,577	1,644	1,626	1,635	1,565	1,383	1,446	29.2	25.8
Other .....	46	NA	NA	NA	NA	NA	NA	NA	0.8	--
All Sectors .....	5,639	5,664	5,883	5,795	5,864	5,741	5,497	5,595	100.0	100.0
<b>Retail Revenue (million dollars) .....</b>										
Residential .....	251	273	284	287	307	309	316	331	43.3	44.7
Commercial .....	203	226	232	237	253	255	258	272	35.0	36.7
Industrial .....	120	126	128	135	146	144	127	138	20.8	18.6
Other .....	6	NA	NA	NA	NA	NA	NA	NA	1.0	--
All Sectors .....	579	624	644	659	706	708	701	741	100.0	100.0
<b>Average Retail Prices (cents/kWh) .....</b>										
Residential .....	12.30	12.94	12.96	13.39	14.15	14.48	14.90	15.57	--	--
Commercial .....	10.61	11.42	11.33	11.67	12.29	12.49	12.93	13.44	--	--
Industrial .....	7.31	7.96	7.77	8.33	8.92	9.19	9.21	9.53	--	--
Other .....	12.20	NA	NA	NA	NA	NA	NA	NA	--	--
All Sectors .....	10.27	11.02	10.95	11.37	12.04	12.33	12.75	13.24	--	--

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, 2010**

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
<b>Vermont</b>								
Number of Entities .....	3	15	NA	2	NA	NA	NA	20
Number of Retail Customers .....	255,597	54,743	NA	48,338	NA	NA	NA	358,678
Retail Sales (thousand megawatthours) .....	4,310	787	NA	498	NA	NA	NA	5,595
Percentage of Retail Sales .....	77.04	14.06	--	8.90	--	--	--	100.00
Revenue from Retail Sales (million dollars) .....	548	113	NA	79	NA	NA	NA	741
Percentage of Revenue .....	74.02	15.30	--	10.68	--	--	--	100.00
Average Retail Price (cents/kWh) .....	12.72	14.41	NA	15.89	NA	NA	NA	13.24

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Data are shown for All Sectors. Full Service Providers sell bundled electricity services (e.g., both energy and delivery) to end users. Full Service Providers may purchase electricity from others (such as independent Power Producers or other full service providers) prior to delivery. Other Providers sell either the energy or the delivery services, but not both. Sales volumes and customer counts shown for Other Providers refer to delivered electricity, which is a joint activity of both energy and delivery providers; for clarity, they are reported only in the Energy column in this table. The revenue shown under Other Providers represents the revenue realized from the sale of the energy and the delivery services distinctly. "Public" entities include municipalities, State power agencies, and municipal marketing authorities. Federal entities are either owned or financed by the Federal Government. "Cooperatives" are electric utilities legally established to be owned by and operated for the benefit of those using its services. The cooperative will generate, transmit and/or distribute supplies of electric energy to a specified area not being serviced by another utility. "Non-utility" sales represent direct electricity transactions from independent generators to end use consumers. Totals may not equal sum of components because of independent rounding.

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

**Table 10. Supply and Disposition of Electricity, 2000 and 2004 Through 2010**  
(Million Kilowatthours)

Category	2000	2004	2005	2006	2007	2008	2009	2010
<b>Vermont</b>								
<b>Supply</b> .....								
<b>Generation</b> .....								
Electric Utilities .....	5,307	643	674	803	701	753	712	721
Independent Power Producers .....	958	4,800	5,013	6,256	5,121	6,046	6,546	5,874
<b>Electric Power Sector Generation Subtotal</b> .....	<b>6,265</b>	<b>5,444</b>	<b>5,687</b>	<b>7,059</b>	<b>5,822</b>	<b>6,799</b>	<b>7,257</b>	<b>6,595</b>
Combined Heat and Power, Industrial.....	38	27	30	25	2	21	25	25
<b>Industrial and Commercial Generation Subtotal</b> .....	<b>38</b>	<b>27</b>	<b>30</b>	<b>25</b>	<b>2</b>	<b>21</b>	<b>25</b>	<b>25</b>
<b>Total Net Generation</b> .....	<b>6,303</b>	<b>5,470</b>	<b>5,717</b>	<b>7,084</b>	<b>5,824</b>	<b>6,820</b>	<b>7,282</b>	<b>6,620</b>
<b>Total International Imports</b> .....	<b>4,280</b>	<b>1,952</b>	<b>2,160</b>	<b>2,509</b>	<b>2,610</b>	<b>2,534</b>	<b>2,605</b>	<b>2,458</b>
<b>Total Supply</b> .....	<b>10,583</b>	<b>7,422</b>	<b>7,876</b>	<b>9,593</b>	<b>8,434</b>	<b>9,354</b>	<b>9,887</b>	<b>9,078</b>
<b>Disposition</b> .....								
<b>Retail Sales</b> .....								
Full Service Providers .....	5,639	5,664	5,883	5,795	5,864	5,741	5,497	5,595
<b>Total Electric Industry Retail Sales</b> .....	<b>5,639</b>	<b>5,664</b>	<b>5,883</b>	<b>5,795</b>	<b>5,864</b>	<b>5,741</b>	<b>5,497</b>	<b>5,595</b>
<b>Direct Use</b> .....	<b>45</b>	<b>71</b>	<b>30</b>	<b>26</b>	<b>19</b>	<b>-</b>	<b>1</b>	<b>20</b>
<b>Total International Exports</b> .....	<b>362</b>	<b>14</b>	<b>38</b>	<b>80</b>	<b>117</b>	<b>41</b>	<b>41</b>	<b>32</b>
<b>Estimated Losses</b> .....	<b>401</b>	<b>362</b>	<b>402</b>	<b>404</b>	<b>444</b>	<b>436</b>	<b>301</b>	<b>445</b>
<b>Net Interstate Trade</b> <sup>1</sup> .....	<b>4,135</b>	<b>1,311</b>	<b>1,523</b>	<b>3,289</b>	<b>1,990</b>	<b>3,137</b>	<b>4,047</b>	<b>2,986</b>
<b>Total Disposition</b> .....	<b>10,583</b>	<b>7,422</b>	<b>7,876</b>	<b>9,593</b>	<b>8,434</b>	<b>9,354</b>	<b>9,887</b>	<b>9,078</b>
<b>Net Trade Index (ratio)</b> <sup>2</sup> .....	<b>1.64</b>	<b>1.21</b>	<b>1.24</b>	<b>1.52</b>	<b>1.31</b>	<b>1.50</b>	<b>1.69</b>	<b>1.49</b>

<sup>1</sup> Net Interstate Trade = Total Supply - (Total Electric Industry Retail Sales + Direct Use + Total International Exports (if applies) + Estimated Losses).

<sup>2</sup> Net Trade Index is the sum of Total Supply / (Total Disposition - Net Interstate Trade).

- (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. Beginning with publication year 2010, Total disposition has been reorganized to include Net Interstate Trade. Therefore, Total Disposition equals Total Supply.

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. 2010 Summary Statistics**

Item	Value	U.S. Rank
<b>Virginia</b>		
NERC Region(s).....		RFC/SERC
Primary Energy Source.....		Nuclear
Net Summer Capacity (megawatts) .....	<b>24,109</b>	<b>16</b>
Electric Utilities.....	19,434	15
Independent Power Producers & Combined Heat and Power.....	4,676	21
Net Generation (megawatthours).....	<b>72,966,456</b>	<b>21</b>
Electric Utilities.....	58,902,054	16
Independent Power Producers & Combined Heat and Power.....	14,064,402	25
Emissions (thousand metric tons) .....		
Sulfur Dioxide .....	120	16
Nitrogen Oxide .....	49	24
Carbon Dioxide.....	39,719	25
Sulfur Dioxide (lbs/MWh) .....	3.6	15
Nitrogen Oxide (lbs/MWh) .....	1.5	23
Carbon Dioxide (lbs/MWh).....	1,200	30
Total Retail Sales (megawatthours) .....	<b>113,806,135</b>	<b>10</b>
Full Service Provider Sales (megawatthours) .....	113,806,135	7
Direct Use (megawatthours) .....	<b>1,989,510</b>	<b>17</b>
Average Retail Price (cents/kWh).....	<b>8.69</b>	<b>27</b>

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, 2010**

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
<b>Virginia</b>			
1. Bath County.....	Pumped Storage	Virginia Electric & Power Co	3,003
2. North Anna .....	Nuclear	Virginia Electric & Power Co	1,864
3. Possum Point .....	Gas	Virginia Electric & Power Co	1,733
4. Chesterfield.....	Coal	Virginia Electric & Power Co	1,639
5. Surry .....	Nuclear	Virginia Electric & Power Co	1,638
6. Yorktown .....	Coal	Virginia Electric & Power Co	1,141
7. Tenaska Virginia Generating Station .....	Gas	Tenaska Virginia Partners LP	927
8. Clover .....	Coal	Virginia Electric & Power Co	865
9. Doswell Energy Center.....	Gas	Doswell Ltd Partnership	814
10. Ladysmith.....	Gas	Virginia Electric & Power Co	783

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, 2010**  
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
<b>Virginia</b>						
1. Virginia Electric & Power Co .....	Investor-Owned	76,895,671	30,821,549	39,012,738	6,872,415	188,969
2. Appalachian Power Co .....	Investor-Owned	16,604,770	6,919,563	4,249,870	5,435,337	-
3. Rappahannock Electric Coop .....	Cooperative	3,654,089	1,961,373	250,097	1,442,619	-
4. Northern Virginia Elec Coop .....	Cooperative	3,566,156	2,100,953	1,156,839	308,364	-
5. Shenandoah Valley Elec Coop .....	Cooperative	1,737,812	852,637	237,211	647,964	-
Total Sales, Top Five Providers .....		102,458,498	42,656,075	44,906,755	14,706,699	188,969
Percent of Total State Sales .....		90	88	93	86	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, 2000 and 2004 Through 2010**  
(Megawatts)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Virginia</b>										
<b>Electric Utilities.....</b>	<b>15,606</b>	<b>17,567</b>	<b>18,091</b>	<b>18,166</b>	<b>18,376</b>	<b>18,828</b>	<b>19,135</b>	<b>19,434</b>	<b>80.4</b>	<b>80.6</b>
Coal.....	4,796	4,468	4,586	4,586	4,605	4,587	4,587	4,594	24.7	19.1
Petroleum.....	2,175	2,098	2,031	2,027	2,041	2,041	2,050	2,048	11.2	8.5
Natural Gas.....	2,083	4,101	4,395	4,395	4,429	4,897	5,076	5,122	10.7	21.2
Nuclear.....	3,467	3,440	3,432	3,432	3,404	3,404	3,404	3,501	17.9	14.5
Hydroelectric.....	741	760	650	650	654	656	695	845	3.8	3.5
Other Renewables <sup>1</sup> .....	-	-	80	80	83	83	83	83	-	0.3
Pumped Storage.....	2,345	2,700	2,917	2,997	3,161	3,161	3,241	3,241	12.1	13.4
<b>Independent Power Producers and Combined Heat and Power .....</b>	<b>3,816</b>	<b>4,939</b>	<b>4,509</b>	<b>4,482</b>	<b>4,616</b>	<b>4,648</b>	<b>4,653</b>	<b>4,676</b>	<b>19.6</b>	<b>19.4</b>
Coal.....	1,389	1,329	1,197	1,188	1,189	1,186	1,190	1,274	7.2	5.3
Petroleum.....	192	359	359	359	377	378	378	384	1.0	1.6
Natural Gas.....	1,643	2,654	2,433	2,414	2,440	2,454	2,460	2,459	8.5	10.2
Hydroelectric.....	20	22	22	21	21	21	21	21	0.1	0.1
Other Renewables <sup>1</sup> .....	572	575	498	501	589	608	604	538	2.9	2.2
<b>Total Electric Industry.....</b>	<b>19,422</b>	<b>22,506</b>	<b>22,599</b>	<b>22,648</b>	<b>22,992</b>	<b>23,476</b>	<b>23,788</b>	<b>24,109</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	6,185	5,797	5,783	5,774	5,794	5,773	5,777	5,868	31.8	24.3
Petroleum.....	2,367	2,457	2,390	2,386	2,418	2,418	2,427	2,432	12.2	10.1
Natural Gas.....	3,725	6,754	6,828	6,809	6,869	7,351	7,536	7,581	19.2	31.4
Nuclear.....	3,467	3,440	3,432	3,432	3,404	3,404	3,404	3,501	17.9	14.5
Hydroelectric.....	761	782	672	671	675	677	716	866	3.9	3.6
Other Renewables <sup>1</sup> .....	572	575	577	580	672	691	687	621	2.9	2.6
Pumped Storage.....	2,345	2,700	2,917	2,997	3,161	3,161	3,241	3,241	12.1	13.4

<sup>1</sup> Other Renewables includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

- (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, 2000 and 2004 Through 2010**  
(Megawatthours)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Virginia</b>										
<b>Electric Utilities.....</b>	<b>65,842,720</b>	<b>65,103,653</b>	<b>65,456,080</b>	<b>61,176,351</b>	<b>64,316,732</b>	<b>59,780,402</b>	<b>59,225,368</b>	<b>58,902,054</b>	<b>85.3</b>	<b>80.7</b>
Coal.....	33,964,556	27,772,985	28,803,324	28,553,670	29,425,485	25,779,154	22,424,638	21,365,585	44.0	29.3
Petroleum.....	2,408,600	4,664,410	3,809,135	662,100	1,653,940	903,428	738,411	1,033,926	3.1	1.4
Natural Gas.....	1,839,850	3,976,271	4,414,479	3,781,091	5,947,608	5,350,551	7,348,089	9,573,845	2.4	13.1
Nuclear.....	28,321,091	28,315,294	27,918,481	27,593,516	27,268,475	27,930,764	28,212,252	26,571,899	36.7	36.4
Hydroelectric.....	649,614	1,490,114	1,391,152	1,270,707	1,182,353	947,412	1,396,112	1,424,606	0.8	2.0
Other Renewables <sup>1</sup> .....	-	50,690	540,332	482,711	459,154	506,781	440,576	422,794	-	0.6
Pumped Storage.....	-1,340,991	-1,166,111	-1,420,823	-1,167,444	-1,620,283	-1,637,688	-1,334,709	-1,490,602	-1.7	-2.0
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>11,346,650</b>	<b>13,796,387</b>	<b>13,486,965</b>	<b>11,893,186</b>	<b>14,043,775</b>	<b>12,898,129</b>	<b>10,856,698</b>	<b>14,064,402</b>	<b>14.7</b>	<b>19.3</b>
Coal.....	5,796,760	7,883,021	6,621,551	5,734,471	5,995,261	5,997,202	3,174,650	4,093,636	7.5	5.6
Petroleum.....	529,944	489,202	455,524	177,112	443,009	246,931	349,250	258,935	0.7	0.4
Natural Gas.....	2,813,477	2,461,538	3,880,291	3,434,359	4,956,232	3,964,532	4,853,295	7,425,280	3.6	10.2
Hydroelectric.....	62,369	92,936	93,201	80,487	65,911	63,581	82,518	75,576	0.1	0.1
Other Renewables <sup>1</sup> .....	2,144,100	2,381,667	1,957,563	1,975,739	2,106,417	2,191,678	1,976,943	1,796,855	2.8	2.5
Other <sup>2</sup> .....	-	488,023	478,834	491,019	476,945	434,205	420,042	414,121	-	0.6
<b>Total Electric Industry.....</b>	<b>77,189,370</b>	<b>78,900,040</b>	<b>78,943,045</b>	<b>73,069,537</b>	<b>78,360,507</b>	<b>72,678,531</b>	<b>70,082,066</b>	<b>72,966,456</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	39,761,316	35,656,006	35,424,875	34,288,141	35,420,746	31,776,356	25,599,288	25,459,221	51.5	34.9
Petroleum.....	2,938,544	5,153,612	4,264,659	839,212	2,096,949	1,150,360	1,087,660	1,292,861	3.8	1.8
Natural Gas.....	4,653,327	6,437,809	8,294,770	7,215,450	10,903,840	9,315,083	12,201,384	16,999,125	6.0	23.3
Nuclear.....	28,321,091	28,315,294	27,918,481	27,593,516	27,268,475	27,930,764	28,212,252	26,571,899	36.7	36.4
Hydroelectric.....	711,983	1,583,050	1,484,353	1,351,194	1,248,264	1,010,993	1,478,630	1,500,182	0.9	2.1
Other Renewables <sup>1</sup> .....	2,144,100	2,432,357	2,497,895	2,458,450	2,565,571	2,698,460	2,417,519	2,219,649	2.8	3.0
Pumped Storage.....	-1,340,991	-1,166,111	-1,420,823	-1,167,444	-1,620,283	-1,637,688	-1,334,709	-1,490,602	-1.7	-2.0
Other <sup>2</sup> .....	-	488,023	478,834	491,019	476,945	434,205	420,042	414,121	-	0.6

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>2</sup> Other includes non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

- (dash) = Data not available.

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

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, 2000 and 2004 Through 2010**

Fuel, Quality	2000	2004	2005	2006	2007	2008	2009	2010
<b>Virginia</b>								
Coal (cents per million Btu) .....	133	195	233	245	249	277	308	328
Average heat value (Btu per pound).....	12,814	12,713	12,650	12,592	12,531	12,492	12,501	12,476
Average sulfur Content (percent).....	0.98	0.94	1.00	1.04	0.94	0.92	1.00	1.02
Petroleum (cents per million Btu) <sup>1</sup> .....	424	497	761	875	922	1,380	978	1,315
Average heat value (Btu per gallon).....	151,002	150,757	149,019	150,090	148,238	147,390	145,531	145,626
Average sulfur Content (percent).....	1.09	0.78	0.65	0.48	0.33	0.58	0.63	0.35
Natural Gas (cents per million Btu).....	451	665	934	751	816	1,043	452	553
Average heat value (Btu per cubic foot).....	1,034	1,032	1,034	1,035	1,035	1,036	1,036	1,030

<sup>1</sup> 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, 2000 and 2004 Through 2010**  
(Thousand Metric Tons)

Emission Type	2000	2004	2005	2006	2007	2008	2009	2010
<b>Virginia</b>								
<b>Sulfur Dioxide .....</b>								
Coal.....	252	182	203	173	172	124	101	106
Petroleum.....	17	23	18	10	12	5	4	4
Natural Gas.....	*	*	*	*	*	*	*	*
Other Renewables <sup>1</sup> .....	13	12	12	14	13	13	12	9
Other <sup>2</sup> .....	1	*	*	*	*	*	*	*
Total.....	283	217	233	197	197	142	118	120
<b>Nitrogen Oxide .....</b>								
Coal.....	93	54	53	48	51	43	28	34
Petroleum.....	5	5	4	2	3	2	1	1
Natural Gas.....	7	3	3	2	3	3	3	4
Other Renewables <sup>1</sup> .....	6	3	3	3	4	4	4	5
Other <sup>2</sup> .....	2	4	4	4	3	4	4	3
Total.....	113	68	66	59	64	56	39	49
<b>Carbon Dioxide .....</b>								
Coal.....	43,010	38,742	38,418	36,839	38,707	34,955	28,714	29,764
Petroleum.....	2,636	4,397	3,717	942	2,291	1,079	1,068	1,211
Natural Gas.....	2,554	3,154	5,035	3,680	5,253	4,518	5,528	7,912
Other Renewables <sup>1</sup> .....	-	-	-	-	-	-	-	449
Other <sup>2</sup> .....	361	1,018	1,046	1,062	967	849	851	383
Total.....	48,561	47,311	48,216	42,523	47,218	41,402	36,161	39,719

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, and other biomass.

<sup>2</sup> Other includes non-biogenic municipal solid waste, tire-derived fuels, and miscellaneous technologies.

\* = 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.

Note: CO2 emissions for the historical years 1998 - 2008 have been revised due to changes in emission factors.

Sources: Calculations made by the Electric Power Systems and Reliability Team; Office of Electricity, Renewables, and Uranium Statistics; U. S. Energy Information Administration.

**Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 2000 and 2004 Through 2010**

Sector	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Virginia</b>										
<b>Retail Sales (thousand megawatthours) .....</b>										
Residential .....	37,541	42,503	44,662	42,906	45,481	44,597	44,763	48,439	38.8	42.6
Commercial .....	28,299	43,025	44,670	44,654	46,971	46,878	46,828	48,037	29.3	42.2
Industrial .....	20,619	19,734	19,354	18,998	18,925	18,438	16,678	17,141	21.3	15.1
Other .....	10,256	NA	NA	NA	NA	NA	NA	NA	10.6	--
Transportation.....	NA	162	163	163	193	194	193	189	--	0.2
All Sectors .....	96,715	105,424	108,850	106,721	111,570	110,106	108,462	113,806	100.0	100.0
<b>Retail Revenue (million dollars).....</b>										
Residential .....	2,823	3,397	3,645	3,642	3,976	4,288	4,748	5,062	49.2	51.2
Commercial .....	1,598	2,530	2,705	2,775	2,996	3,433	3,772	3,676	27.8	37.2
Industrial .....	804	843	863	891	959	1,072	1,153	1,141	14.0	11.5
Other .....	518	NA	NA	NA	NA	NA	NA	NA	9.0	--
Transportation.....	NA	10	11	11	13	15	16	15	--	0.1
All Sectors .....	5,742	6,780	7,223	7,319	7,943	8,809	9,689	9,894	100.0	100.0
<b>Average Retail Prices (cents/kWh) .....</b>										
Residential .....	7.52	7.99	8.16	8.49	8.74	9.62	10.61	10.45	--	--
Commercial .....	5.65	5.88	6.05	6.21	6.38	7.32	8.06	7.65	--	--
Industrial .....	3.90	4.27	4.46	4.69	5.07	5.82	6.91	6.66	--	--
Other .....	5.05	NA	NA	NA	NA	NA	NA	NA	--	--
Transportation.....	NA	6.25	6.81	6.81	6.73	7.80	8.42	7.70	--	--
All Sectors .....	5.94	6.43	6.64	6.86	7.12	8.00	8.93	8.69	--	--

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, 2010**

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
<b>Virginia</b>								
Number of Entities.....	4	16	NA	13	NA	NA	NA	33
Number of Retail Customers .....	2,952,979	154,234	NA	577,077	NA	NA	NA	3,684,290
Retail Sales (thousand megawatthours).....	95,742	5,043	NA	13,021	NA	NA	NA	113,806
Percentage of Retail Sales .....	84.13	4.43	--	11.44	--	--	--	100.00
Revenue from Retail Sales (million dollars) .....	8,067	437	NA	1,389	NA	NA	NA	9,894
Percentage of Revenue .....	81.54	4.42	--	14.04	--	--	--	100.00
Average Retail Price (cents/kWh).....	8.43	8.67	NA	10.67	NA	NA	NA	8.69

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Data are shown for All Sectors. Full Service Providers sell bundled electricity services (e.g., both energy and delivery) to end users. Full Service Providers may purchase electricity from others (such as independent Power Producers or other full service providers) prior to delivery. Other Providers sell either the energy or the delivery services, but not both. Sales volumes and customer counts shown for Other Providers refer to delivered electricity, which is a joint activity of both energy and delivery providers; for clarity, they are reported only in the Energy column in this table. The revenue shown under Other Providers represents the revenue realized from the sale of the energy and the delivery services distinctly. "Public" entities include municipalities, State power agencies, and municipal marketing authorities. Federal entities are either owned or financed by the Federal Government. "Cooperatives" are electric utilities legally established to be owned by and operated for the benefit of those using its services. The cooperative will generate, transmit and/or distribute supplies of electric energy to a specified area not being serviced by another utility. "Non-utility" sales represent direct electricity transactions from independent generators to end use consumers. Totals may not equal sum of components because of independent rounding.

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

**Table 10. Supply and Disposition of Electricity, 2000 and 2004 Through 2010**  
(Million Kilowatthours)

Category	2000	2004	2005	2006	2007	2008	2009	2010
<b>Virginia</b>								
<b>Supply</b> .....								
<b>Generation</b> .....								
Electric Utilities .....	65,843	65,104	65,456	61,176	64,317	59,780	59,225	58,902
Independent Power Producers .....	2,858	6,263	5,279	4,636	6,538	4,970	5,627	9,303
Combined Heat and Power, Electric .....	5,344	4,509	5,251	4,409	4,638	5,020	2,608	2,545
<b>Electric Power Sector Generation Subtotal</b> .....	<b>74,045</b>	<b>75,876</b>	<b>75,986</b>	<b>70,221</b>	<b>75,493</b>	<b>69,770</b>	<b>67,461</b>	<b>70,750</b>
Combined Heat and Power, Commercial .....	606	361	389	347	398	386	334	362
Combined Heat and Power, Industrial.....	2,538	2,664	2,568	2,502	2,469	2,522	2,288	1,855
<b>Industrial and Commercial Generation Subtotal</b> .....	<b>3,145</b>	<b>3,024</b>	<b>2,957</b>	<b>2,849</b>	<b>2,868</b>	<b>2,908</b>	<b>2,622</b>	<b>2,217</b>
<b>Total Net Generation</b> .....	<b>77,189</b>	<b>78,900</b>	<b>78,943</b>	<b>73,070</b>	<b>78,361</b>	<b>72,679</b>	<b>70,082</b>	<b>72,966</b>
<b>Total Supply</b> .....	<b>77,189</b>	<b>78,900</b>	<b>78,943</b>	<b>73,070</b>	<b>78,361</b>	<b>72,679</b>	<b>70,082</b>	<b>72,966</b>
<b>Disposition</b> .....								
<b>Retail Sales</b> .....								
Full Service Providers .....	96,715	105,237	108,676	106,534	111,526	110,091	108,462	113,806
Energy-Only Providers .....	-	26	22	42	44	16	1	-
Facility Direct Retail Sales <sup>1</sup> .....	-	161	151	145	-	-	-	-
<b>Total Electric Industry Retail Sales</b> .....	<b>96,715</b>	<b>105,424</b>	<b>108,850</b>	<b>106,721</b>	<b>111,570</b>	<b>110,106</b>	<b>108,462</b>	<b>113,806</b>
<b>Direct Use</b> .....	<b>2,883</b>	<b>2,999</b>	<b>2,577</b>	<b>2,618</b>	<b>2,439</b>	<b>2,697</b>	<b>2,436</b>	<b>1,990</b>
<b>Estimated Losses</b> .....	<b>6,883</b>	<b>6,187</b>	<b>7,111</b>	<b>9,026</b>	<b>8,171</b>	<b>6,151</b>	<b>5,902</b>	<b>7,917</b>
<b>Net Interstate Trade</b> <sup>2</sup> .....	<b>-29,293</b>	<b>-35,709</b>	<b>-39,595</b>	<b>-45,296</b>	<b>-43,818</b>	<b>-46,276</b>	<b>-46,719</b>	<b>-50,746</b>
<b>Total Disposition</b> .....	<b>77,189</b>	<b>78,900</b>	<b>78,943</b>	<b>73,070</b>	<b>78,361</b>	<b>72,679</b>	<b>70,082</b>	<b>72,966</b>
<b>Net Trade Index (ratio)</b> <sup>3</sup> .....	<b>0.72</b>	<b>0.69</b>	<b>0.67</b>	<b>0.62</b>	<b>0.64</b>	<b>0.61</b>	<b>0.60</b>	<b>0.59</b>

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

<sup>2</sup> Net Interstate Trade = Total Supply - (Total Electric Industry Retail Sales + Direct Use + Total International Exports (if applies) + Estimated Losses).

<sup>3</sup> Net Trade Index is the sum of Total Supply / (Total Disposition - Net Interstate Trade).

- (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. Beginning with publication year 2010, Total disposition has been reorganized to include Net Interstate Trade. Therefore, Total Disposition equals Total Supply.

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. 2010 Summary Statistics**

Item	Value	U.S. Rank
<b>Washington</b>		
NERC Region(s).....		WECC
Primary Energy Source.....		Hydroelectric
Net Summer Capacity (megawatts) .....	<b>30,478</b>	<b>10</b>
Electric Utilities.....	26,498	5
Independent Power Producers & Combined Heat and Power.....	3,979	26
Net Generation (megawatthours).....	<b>103,472,729</b>	<b>15</b>
Electric Utilities.....	88,057,219	14
Independent Power Producers & Combined Heat and Power.....	15,415,510	23
Emissions (thousand metric tons) .....		
Sulfur Dioxide .....	14	39
Nitrogen Oxide.....	21	37
Carbon Dioxide.....	13,984	39
Sulfur Dioxide (lbs/MWh) .....	0.3	47
Nitrogen Oxide (lbs/MWh) .....	0.4	50
Carbon Dioxide (lbs/MWh).....	298	49
Total Retail Sales (megawatthours).....	<b>90,379,970</b>	<b>16</b>
Full Service Provider Sales (megawatthours) .....	88,116,958	14
Energy-Only Provider Sales (megawatthours).....	2,263,012	17
Direct Use (megawatthours) .....	<b>1,043,383</b>	<b>25</b>
Average Retail Price (cents/kWh).....	<b>6.66</b>	<b>49</b>

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, 2010**

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
<b>Washington</b>			
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	1,596
4. Rocky Reach.....	Hydroelectric	PUD No 1 of Chelan County	1,254
5. Columbia Generating Station .....	Nuclear	Energy Northwest	1,097
6. Wanapum.....	Hydroelectric	PUD No 2 of Grant County	1,059
7. Boundary .....	Hydroelectric	Seattle City of	1,040
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. Lower Monumental .....	Hydroelectric	USCE-North Pacific Division	810
10. Little Goose .....	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, 2010**  
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
<b>Washington</b>						
1. Puget Sound Energy Inc .....	Investor-Owned	20,904,907	10,609,011	9,138,486	1,153,642	3,768
2. Seattle City of .....	Public	9,384,736	3,094,576	5,084,754	1,204,764	642
3. Bonneville Power Admin .....	Federal	6,787,090	-	830,032	5,957,058	-
4. Snohomish County PUD No 1 .....	Public	6,721,180	3,493,641	2,398,351	829,188	-
5. Avista Corp.....	Investor-Owned	5,467,175	2,438,713	2,139,915	888,547	-
Total Sales, Top Five Providers .....		49,265,088	19,635,941	19,591,538	10,033,199	4,410
Percent of Total State Sales .....		55	56	68	38	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, 2000 and 2004 Through 2010**  
(Megawatts)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Washington</b>										
<b>Electric Utilities.....</b>	<b>23,840</b>	<b>23,878</b>	<b>24,065</b>	<b>24,303</b>	<b>24,511</b>	<b>26,243</b>	<b>26,322</b>	<b>26,498</b>	<b>91.5</b>	<b>86.9</b>
Petroleum.....	4	39	39	39	3	3	3	3	*	*
Natural Gas .....	955	1,184	1,141	1,138	1,111	2,768	2,782	2,849	3.7	9.3
Nuclear.....	1,112	1,122	1,131	1,131	1,131	1,131	1,131	1,097	4.3	3.6
Hydroelectric .....	21,360	21,010	21,081	21,094	21,274	21,145	21,030	21,123	81.9	69.3
Other Renewables <sup>1</sup> .....	96	210	360	588	679	882	1,063	1,113	0.4	3.7
Pumped Storage.....	314	314	314	314	314	314	314	314	1.2	1.0
<b>Independent Power Producers and Combined Heat and Power .....</b>	<b>2,225</b>	<b>3,695</b>	<b>3,726</b>	<b>3,920</b>	<b>4,104</b>	<b>3,251</b>	<b>3,773</b>	<b>3,979</b>	<b>8.5</b>	<b>13.1</b>
Coal.....	1,355	1,407	1,405	1,405	1,405	1,376	1,376	1,340	5.2	4.4
Petroleum.....	-	-	2	2	2	2	3	13	-	*
Natural Gas .....	528	1,829	1,853	1,853	1,823	982	982	978	2.0	3.2
Hydroelectric .....	101	60	65	62	59	58	58	58	0.4	0.2
Other Renewables <sup>1</sup> .....	240	399	401	598	815	833	1,354	1,590	0.9	5.2
<b>Total Electric Industry.....</b>	<b>26,065</b>	<b>27,573</b>	<b>27,791</b>	<b>28,224</b>	<b>28,615</b>	<b>29,494</b>	<b>30,095</b>	<b>30,478</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	1,355	1,407	1,405	1,405	1,405	1,376	1,376	1,340	5.2	4.4
Petroleum.....	4	39	40	40	4	4	5	15	*	*
Natural Gas .....	1,483	3,013	2,994	2,991	2,933	3,750	3,764	3,828	5.7	12.6
Nuclear.....	1,112	1,122	1,131	1,131	1,131	1,131	1,131	1,097	4.3	3.6
Hydroelectric .....	21,461	21,070	21,146	21,156	21,333	21,203	21,088	21,181	82.3	69.5
Other Renewables <sup>1</sup> .....	336	609	761	1,186	1,494	1,716	2,416	2,703	1.3	8.9
Pumped Storage.....	314	314	314	314	314	314	314	314	1.2	1.0

<sup>1</sup> Other Renewables includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

\* = 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, 2000 and 2004 Through 2010**  
(Megawatthours)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Washington</b>										
<b>Electric Utilities.....</b>	<b>96,227,037</b>	<b>83,500,909</b>	<b>83,152,928</b>	<b>94,067,080</b>	<b>90,531,201</b>	<b>93,162,079</b>	<b>90,733,028</b>	<b>88,057,219</b>	<b>88.9</b>	<b>85.1</b>
Coal.....	3,284,393	-	-	-	-	-	-	-	3.0	-
Petroleum.....	226,078	13,112	2,416	8,517	3,983	9,252	16,054	3,792	0.2	*
Natural Gas.....	3,749,232	2,286,578	2,155,528	1,672,572	1,773,539	4,130,896	8,965,723	7,757,122	3.5	7.5
Nuclear.....	8,605,232	8,981,583	8,242,273	9,328,277	8,108,560	9,269,639	6,634,014	9,241,133	8.0	8.9
Hydroelectric.....	79,999,928	71,393,131	71,894,440	81,791,115	78,613,750	77,431,888	72,727,385	68,054,577	73.9	65.8
Other Renewables <sup>1</sup> .....	362,174	836,323	849,798	1,219,500	1,986,857	2,271,692	2,337,469	2,947,266	0.3	2.8
Pumped Storage.....	-	-9,818	8,473	47,099	44,512	48,713	52,383	53,328	-	0.1
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>12,009,843</b>	<b>18,664,144</b>	<b>18,812,922</b>	<b>14,136,075</b>	<b>16,459,016</b>	<b>17,666,372</b>	<b>13,737,104</b>	<b>15,415,510</b>	<b>11.1</b>	<b>14.9</b>
Coal.....	6,160,171	10,409,331	10,494,407	6,372,823	8,556,816	8,761,644	7,477,773	8,526,933	5.7	8.2
Petroleum.....	258,434	72,772	64,879	29,713	33,059	25,938	37,550	28,684	0.2	*
Natural Gas.....	3,950,994	6,182,222	6,423,018	5,822,838	5,513,855	5,678,458	3,005,418	2,602,113	3.7	2.5
Other Gases <sup>2</sup> .....	247,892	275,284	321,724	348,649	333,773	272,339	244,888	292,019	0.2	0.3
Hydroelectric.....	262,961	182,569	180,209	216,514	215,446	204,870	205,319	233,806	0.2	0.2
Other Renewables <sup>1</sup> .....	1,129,391	1,475,102	1,263,863	1,283,354	1,743,697	2,666,747	2,707,201	3,669,697	1.0	3.5
Other <sup>3</sup> .....	-	66,864	64,822	62,185	62,370	56,377	58,956	62,259	-	0.1
<b>Total Electric Industry.....</b>	<b>108,236,880</b>	<b>102,165,052</b>	<b>101,965,850</b>	<b>108,203,155</b>	<b>106,990,217</b>	<b>110,828,451</b>	<b>104,470,133</b>	<b>103,472,729</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	9,444,564	10,409,331	10,494,407	6,372,823	8,556,816	8,761,644	7,477,773	8,526,933	8.7	8.2
Petroleum.....	484,512	85,884	67,295	38,230	37,042	35,189	53,604	32,476	0.4	*
Natural Gas.....	7,700,226	8,468,800	8,578,546	7,495,410	7,287,394	9,809,354	11,971,141	10,359,235	7.1	10.0
Other Gases <sup>2</sup> .....	247,892	275,284	321,724	348,649	333,773	272,339	244,888	292,019	0.2	0.3
Nuclear.....	8,605,232	8,981,583	8,242,273	9,328,277	8,108,560	9,269,639	6,634,014	9,241,133	8.0	8.9
Hydroelectric.....	80,262,889	71,575,700	72,074,649	82,007,629	78,829,195	77,636,758	72,932,704	68,288,383	74.2	66.0
Other Renewables <sup>1</sup> .....	1,491,565	2,311,425	2,113,661	2,502,854	3,730,554	4,938,438	5,044,670	6,616,963	1.4	6.4
Pumped Storage.....	-	-9,818	8,473	47,099	44,512	48,713	52,383	53,328	-	0.1
Other <sup>3</sup> .....	-	66,864	64,822	62,185	62,370	56,377	58,956	62,259	-	0.1

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>2</sup> Other gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

<sup>3</sup> Other includes non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

\* = 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.

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

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, 2000 and 2004 Through 2010**

Fuel, Quality	2000	2004	2005	2006	2007	2008	2009	2010
<b>Washington</b>								
Coal (cents per million Btu) .....	169	W	W	W	W	W	W	227
Average heat value (Btu per pound).....	8,310	8,151	8,131	8,532	9,211	8,366	8,403	8,391
Average sulfur Content (percent) .....	0.73	0.93	0.75	0.69	0.34	0.32	0.33	0.34
Petroleum (cents per million Btu) <sup>1</sup> .....	664	W	W	W	W	W	W	1,383
Average heat value (Btu per gallon).....	140,000	139,331	137,340	142,807	138,598	139,040	139,905	130,674
Average sulfur Content (percent) .....	0.30	0.90	0.58	0.41	0.32	0.43	0.34	0.53
Natural Gas (cents per million Btu).....	-	457	649	565	612	833	515	537
Average heat value (Btu per cubic foot).....	-	1,029	1,027	1,028	1,023	1,029	1,029	1,029

<sup>1</sup> 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, 2000 and 2004 Through 2010**  
(Thousand Metric Tons)

Emission Type	2000	2004	2005	2006	2007	2008	2009	2010
<b>Washington</b>								
<b>Sulfur Dioxide .....</b>								
Coal.....	78	7	4	2	2	3	4	3
Petroleum.....	2	1	1	2	*	*	*	*
Natural Gas .....	*	*	*	*	*	*	*	*
Other Gases.....	*	*	*	*	*	*	*	*
Other Renewables <sup>1</sup> .....	9	7	7	7	7	7	8	11
Other <sup>2</sup> .....	*	*	*	*	*	*	*	*
Total.....	89	15	11	11	10	10	13	14
<b>Nitrogen Oxide .....</b>								
Coal.....	19	14	15	8	11	10	9	11
Petroleum.....	2	*	*	1	*	*	*	*
Natural Gas .....	13	5	5	5	4	3	4	4
Other Gases.....	*	*	*	*	*	*	*	*
Other Renewables <sup>1</sup> .....	4	4	4	5	3	3	4	6
Other <sup>2</sup> .....	1	*	*	*	*	*	*	*
Total.....	38	24	26	20	19	18	18	21
<b>Carbon Dioxide .....</b>								
Coal.....	10,183	10,836	10,874	6,644	9,173	9,084	8,017	9,170
Petroleum.....	591	355	319	264	302	204	166	140
Natural Gas .....	4,837	3,873	3,802	3,465	3,235	4,289	5,227	4,553
Other Renewables <sup>1</sup> .....	-	-	-	-	-	-	-	67
Other <sup>2</sup> .....	114	121	120	119	117	109	116	53
Total.....	15,726	15,185	15,115	10,493	12,827	13,686	13,526	13,984

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, and other biomass.

<sup>2</sup> Other includes non-biogenic municipal solid waste, tire-derived fuels, and miscellaneous technologies.

\* = 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.

Note: CO2 emissions for the historical years 1998 - 2008 have been revised due to changes in emission factors.

Sources: Calculations made by the Electric Power Systems and Reliability Team; Office of Electricity, Renewables, and Uranium Statistics; U. S. Energy Information Administration.

**Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 2000 and 2004 Through 2010**

Sector	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Washington</b>										
<b>Retail Sales (thousand megawatthours) .....</b>										
Residential .....	33,036	32,455	33,212	34,439	35,389	36,336	36,753	34,907	34.2	38.6
Commercial .....	23,991	28,226	28,100	28,580	29,599	29,878	30,055	28,833	24.9	31.9
Industrial .....	35,410	19,259	22,112	22,013	20,753	21,117	23,354	26,633	36.7	29.5
Other .....	4,075	NA	NA	NA	NA	NA	NA	NA	4.2	--
Transportation.....	NA	42	2	1	2	2	3	7	--	*
All Sectors .....	96,511	79,982	83,425	85,033	85,742	87,333	90,165	90,380	100.0	100.0
<b>Retail Revenue (million dollars).....</b>										
Residential .....	1,695	2,069	2,173	2,350	2,570	2,741	2,821	2,806	40.6	46.6
Commercial .....	1,166	1,742	1,778	1,896	1,940	2,019	2,093	2,125	27.9	35.3
Industrial .....	1,170	825	943	976	948	960	1,035	1,085	28.0	18.0
Other .....	149	NA	NA	NA	NA	NA	NA	NA	3.6	--
Transportation.....	NA	3	*	*	*	*	*	1	--	*
All Sectors .....	4,180	4,638	4,894	5,222	5,458	5,721	5,949	6,016	100.0	100.0
<b>Average Retail Prices (cents/kWh) .....</b>										
Residential .....	5.13	6.37	6.54	6.82	7.26	7.54	7.68	8.04	--	--
Commercial .....	4.86	6.17	6.33	6.63	6.55	6.76	6.96	7.37	--	--
Industrial .....	3.30	4.28	4.27	4.44	4.57	4.55	4.43	4.07	--	--
Other .....	3.65	NA	NA	NA	NA	NA	NA	NA	--	--
Transportation.....	NA	6.44	6.44	5.93	5.74	5.82	5.91	7.42	--	--
All Sectors .....	4.33	5.80	5.87	6.14	6.37	6.55	6.60	6.66	--	--

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, 2010**

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
<b>Washington</b>								
Number of Entities.....	3	40	1	18	NA	4	2	68
Number of Retail Customers .....	1,439,905	1,602,668	10	163,987	NA	17	NA	3,206,587
Retail Sales (thousand megawatthours).....	30,357	46,998	6,787	3,975	NA	2,263	NA	90,380
Percentage of Retail Sales .....	33.59	52.00	7.51	4.40	--	2.50	--	100.00
Revenue from Retail Sales (million dollars) .....	2,735	2,764	140	263	NA	103	12	6,016
Percentage of Revenue .....	45.45	45.93	2.33	4.37	--	1.71	0.21	100.00
Average Retail Price (cents/kWh).....	9.01	5.88	2.06	6.61	NA	4.55	0.55	6.66

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Data are shown for All Sectors. Full Service Providers sell bundled electricity services (e.g., both energy and delivery) to end users. Full Service Providers may purchase electricity from others (such as independent Power Producers or other full service providers) prior to delivery. Other Providers sell either the energy or the delivery services, but not both. Sales volumes and customer counts shown for Other Providers refer to delivered electricity, which is a joint activity of both energy and delivery providers; for clarity, they are reported only in the Energy column in this table. The revenue shown under Other Providers represents the revenue realized from the sale of the energy and the delivery services distinctly. "Public" entities include municipalities, State power agencies, and municipal marketing authorities. Federal entities are either owned or financed by the Federal Government. "Cooperatives" are electric utilities legally established to be owned by and operated for the benefit of those using its services. The cooperative will generate, transmit and/or distribute supplies of electric energy to a specified area not being serviced by another utility. "Non-utility" sales represent direct electricity transactions from independent generators to end use consumers. Totals may not equal sum of components because of independent rounding.

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

**Table 10. Supply and Disposition of Electricity, 2000 and 2004 Through 2010**  
(Million Kilowatthours)

Category	2000	2004	2005	2006	2007	2008	2009	2010
<b>Washington</b>								
<b>Supply</b> .....								
<b>Generation</b> .....								
Electric Utilities .....	96,227	83,501	83,153	94,067	90,531	93,162	90,733	88,057
Independent Power Producers .....	6,588	15,054	15,287	10,887	13,797	14,908	10,531	12,330
Combined Heat and Power, Electric .....	4,065	2,583	2,517	2,385	1,948	1,860	2,085	1,740
<b>Electric Power Sector Generation Subtotal</b> .....	<b>106,879</b>	<b>101,138</b>	<b>100,956</b>	<b>107,339</b>	<b>106,277</b>	<b>109,929</b>	<b>103,349</b>	<b>102,127</b>
Combined Heat and Power, Commercial .....	106	95	73	78	52	63	59	68
Combined Heat and Power, Industrial.....	1,251	932	937	786	661	836	1,062	1,277
<b>Industrial and Commercial Generation Subtotal</b> .....	<b>1,358</b>	<b>1,027</b>	<b>1,010</b>	<b>864</b>	<b>714</b>	<b>899</b>	<b>1,121</b>	<b>1,345</b>
<b>Total Net Generation</b> .....	<b>108,237</b>	<b>102,165</b>	<b>101,966</b>	<b>108,203</b>	<b>106,990</b>	<b>110,828</b>	<b>104,470</b>	<b>103,473</b>
<b>Total International Imports</b> .....	<b>4,257</b>	<b>2,229</b>	<b>2,533</b>	<b>2,430</b>	<b>3,622</b>	<b>2,973</b>	<b>3,150</b>	<b>2,211</b>
<b>Total Supply</b> .....	<b>112,494</b>	<b>104,394</b>	<b>104,498</b>	<b>110,633</b>	<b>110,612</b>	<b>113,802</b>	<b>107,620</b>	<b>105,684</b>
<b>Disposition</b> .....								
<b>Retail Sales</b> .....								
Full Service Providers .....	93,194	79,606	81,395	82,941	83,475	85,263	85,139	88,117
Energy-Only Providers.....	3,317	376	2,030	2,092	2,267	2,070	5,025	2,263
<b>Total Electric Industry Retail Sales</b> .....	<b>96,511</b>	<b>79,982</b>	<b>83,425</b>	<b>85,033</b>	<b>85,742</b>	<b>87,333</b>	<b>90,165</b>	<b>90,380</b>
<b>Direct Use</b> .....	<b>1,359</b>	<b>1,394</b>	<b>522</b>	<b>759</b>	<b>624</b>	<b>650</b>	<b>888</b>	<b>1,043</b>
<b>Total International Exports</b> .....	<b>5,390</b>	<b>7,077</b>	<b>5,537</b>	<b>11,086</b>	<b>6,881</b>	<b>10,247</b>	<b>9,328</b>	<b>9,164</b>
<b>Estimated Losses</b> .....	<b>6,869</b>	<b>4,513</b>	<b>6,020</b>	<b>5,288</b>	<b>6,135</b>	<b>5,880</b>	<b>5,102<sup>R</sup></b>	<b>5,052</b>
<b>Net Interstate Trade<sup>1</sup></b> .....	<b>2,365</b>	<b>11,428</b>	<b>8,993</b>	<b>8,465</b>	<b>11,231</b>	<b>9,692</b>	<b>2,137</b>	<b>44</b>
<b>Total Disposition</b> .....	<b>112,494</b>	<b>104,394</b>	<b>104,498</b>	<b>110,633</b>	<b>110,612</b>	<b>113,802</b>	<b>107,620</b>	<b>105,684</b>
<b>Net Trade Index (ratio)<sup>2</sup></b> .....	<b>1.02</b>	<b>1.12</b>	<b>1.09</b>	<b>1.08</b>	<b>1.11</b>	<b>1.09</b>	<b>1.02</b>	<b>1.00</b>

<sup>1</sup> Net Interstate Trade = Total Supply - (Total Electric Industry Retail Sales + Direct Use + Total International Exports (if applies) + Estimated Losses).

<sup>2</sup> Net Trade Index is the sum of Total Supply / (Total Disposition - Net Interstate Trade).

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. Beginning with publication year 2010, Total disposition has been reorganized to include Net Interstate Trade. Therefore, Total Disposition equals Total Supply.

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. 2010 Summary Statistics**

Item	Value	U.S. Rank
<b>West Virginia</b>		
NERC Region(s).....		<b>RFC</b>
Primary Energy Source.....		<b>Coal</b>
Net Summer Capacity (megawatts) .....	<b>16,495</b>	<b>24</b>
Electric Utilities.....	11,719	21
Independent Power Producers & Combined Heat and Power.....	4,775	19
Net Generation (megawatthours).....	<b>80,788,947</b>	<b>20</b>
Electric Utilities.....	56,719,755	18
Independent Power Producers & Combined Heat and Power.....	24,069,192	13
Emissions (thousand metric tons) .....		
Sulfur Dioxide .....	105	20
Nitrogen Oxide .....	49	23
Carbon Dioxide.....	74,283	12
Sulfur Dioxide (lbs/MWh) .....	2.9	20
Nitrogen Oxide (lbs/MWh) .....	1.3	25
Carbon Dioxide (lbs/MWh).....	2,027	5
Total Retail Sales (megawatthours) .....	<b>32,031,803</b>	<b>34</b>
Full Service Provider Sales (megawatthours) .....	32,031,803	33
Direct Use (megawatthours) .....	<b>445,681</b>	<b>35</b>
Average Retail Price (cents/kWh).....	<b>7.45</b>	<b>44</b>

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, 2010**

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
<b>West Virginia</b>			
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	1,288
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, 2010**  
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
<b>West Virginia</b>						
1. Appalachian Power Co.....	Investor-Owned	15,373,393	6,207,486	3,827,117	5,338,790	-
2. Monongahela Power Co.....	Investor-Owned	10,676,292	3,780,837	2,760,789	4,130,286	4,380
3. The Potomac Edison Co.....	Investor-Owned	3,418,231	1,833,906	839,504	744,821	-
4. Wheeling Power Co.....	Investor-Owned	2,304,062	454,435	459,342	1,390,285	-
5. Harrison Rural Elec Assn, Inc.....	Cooperative	83,512	55,913	20,171	7,428	-
Total Sales, Top Five Providers.....		31,855,490	12,332,577	7,906,923	11,611,610	4,380
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, 2000 and 2004 Through 2010**  
(Megawatts)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>West Virginia</b>										
<b>Electric Utilities.....</b>	<b>14,475</b>	<b>10,206</b>	<b>10,890</b>	<b>11,975</b>	<b>11,711</b>	<b>11,698</b>	<b>11,698</b>	<b>11,719</b>	<b>95.9</b>	<b>71.0</b>
Coal.....	14,413	10,108	10,118	11,225	11,186	11,174	11,174	11,174	95.5	67.7
Petroleum.....	12	12	12	12	12	11	11	11	0.1	0.1
Natural Gas.....	-	-	696	675	450	450	450	450	-	2.7
Hydroelectric.....	50	86	63	63	63	63	63	84	0.3	0.5
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>615</b>	<b>6,196</b>	<b>5,570</b>	<b>4,468</b>	<b>4,387</b>	<b>4,651</b>	<b>4,661</b>	<b>4,775</b>	<b>4.1</b>	<b>29.0</b>
Coal.....	305	4,615	4,615	3,520	3,529	3,529	3,539	3,539	2.0	21.5
Natural Gas.....	26	1,282	689	682	592	592	592	606	0.2	3.7
Other Gases <sup>1</sup> .....	93	95	-	-	-	-	-	-	0.6	-
Hydroelectric.....	190	138	201	201	200	201	201	201	1.3	1.2
Other Renewables <sup>2</sup> .....	-	66	66	66	66	330	330	431	-	2.6
<b>Total Electric Industry.....</b>	<b>15,090</b>	<b>16,402</b>	<b>16,460</b>	<b>16,443</b>	<b>16,099</b>	<b>16,350</b>	<b>16,360</b>	<b>16,495</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	14,718	14,723	14,733	14,745	14,715	14,703	14,713	14,713	97.5	89.2
Petroleum.....	12	12	12	12	12	11	11	11	0.1	0.1
Natural Gas.....	26	1,282	1,386	1,357	1,042	1,042	1,042	1,056	0.2	6.4
Other Gases <sup>1</sup> .....	93	95	-	-	-	-	-	-	0.6	-
Hydroelectric.....	240	224	264	264	264	264	264	285	1.6	1.7
Other Renewables <sup>2</sup> .....	-	66	66	66	66	330	330	431	-	2.6

<sup>1</sup> Other gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

<sup>2</sup> Other Renewables includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

- (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, 2000 and 2004 Through 2010**  
(Megawatthours)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>West Virginia</b>										
<b>Electric Utilities.....</b>	<b>89,708,609</b>	<b>59,083,917</b>	<b>61,241,831</b>	<b>68,163,826</b>	<b>69,347,861</b>	<b>66,666,509</b>	<b>51,708,607</b>	<b>56,719,755</b>	<b>96.6</b>	<b>70.2</b>
Coal.....	89,060,210	58,508,159	60,581,576	67,391,989	68,602,182	66,023,240	50,946,969	56,041,206	95.9	69.4
Petroleum.....	254,014	231,515	173,196	132,400	177,140	137,195	157,453	148,297	0.3	0.2
Natural Gas.....	41,941	3,166	3,215	86,926	137,050	58,629	33,060	48,067	*	0.1
Hydroelectric.....	338,012	326,253	471,916	546,033	431,101	445,779	571,541	482,024	0.4	0.6
Other Renewables <sup>1</sup> .....	14,432	2,071	713	-	-	-390	-837	-	*	-
Other <sup>2</sup> .....	-	12,753	11,215	6,478	388	2,056	422	160	-	*
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>3,156,567</b>	<b>30,665,645</b>	<b>32,384,454</b>	<b>25,651,978</b>	<b>24,585,248</b>	<b>24,456,588</b>	<b>19,073,907</b>	<b>24,069,192</b>	<b>3.4</b>	<b>29.8</b>
Coal.....	2,142,099	29,076,439	30,835,427	24,081,332	23,264,083	23,090,240	17,132,931	22,106,357	2.3	27.4
Petroleum.....	8,739	36,043	50,097	42,486	22,779	4	11,865	6,260	*	*
Natural Gas.....	97,578	252,144	283,877	274,911	251,744	121,781	76,375	91,534	0.1	0.1
Other Gases <sup>3</sup> .....	95,064	147,802	85,511	52,797	55,676	50,251	35,868	40,075	0.1	*
Hydroelectric.....	812,891	992,026	975,650	1,026,400	823,296	802,258	1,074,386	885,337	0.9	1.1
Other Renewables <sup>1</sup> .....	-	161,191	153,892	174,053	167,588	391,910	742,439	939,172	-	1.2
Other <sup>2</sup> .....	196	-	-	-	83	143	43	457	*	*
<b>Total Electric Industry.....</b>	<b>92,865,176</b>	<b>89,749,562</b>	<b>93,626,285</b>	<b>93,815,804</b>	<b>93,933,109</b>	<b>91,123,097</b>	<b>70,782,514</b>	<b>80,788,947</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	91,202,309	87,584,598	91,417,003	91,473,321	91,866,265	89,113,480	68,079,900	78,147,563	98.2	96.7
Petroleum.....	262,753	267,558	223,293	174,886	199,919	137,199	169,318	154,557	0.3	0.2
Natural Gas.....	139,519	255,310	287,092	361,837	388,794	180,410	109,435	139,601	0.2	0.2
Other Gases <sup>3</sup> .....	95,064	147,802	85,511	52,797	55,676	50,251	35,868	40,075	0.1	*
Hydroelectric.....	1,150,903	1,318,279	1,447,566	1,572,433	1,254,397	1,248,037	1,645,927	1,367,361	1.2	1.7
Other Renewables <sup>1</sup> .....	14,432	163,262	154,605	174,053	167,588	391,520	741,602	939,172	*	1.2
Other <sup>2</sup> .....	196	12,753	11,215	6,478	471	2,199	465	618	*	*

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>2</sup> Other includes non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

<sup>3</sup> Other gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

\* = 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.

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

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, 2000 and 2004 Through 2010**

Fuel, Quality	2000	2004	2005	2006	2007	2008	2009	2010
<b>West Virginia</b>								
Coal (cents per million Btu) .....	120	135	W	167	173	222	254	239
Average heat value (Btu per pound).....	12,281	12,061	11,976	11,967	12,046	11,897	11,959	12,034
Average sulfur Content (percent).....	1.42	1.75	1.78	1.79	2.04	2.00	2.13	2.40
Petroleum (cents per million Btu) <sup>1</sup> .....	721	785	959	W	W	W	W	1,738
Average heat value (Btu per gallon).....	139,324	140,943	141,667	143,471	143,817	135,557	137,855	138,536
Average sulfur Content (percent).....	0.10	0.15	0.62	0.86	0.55	0.13	0.09	0.13
Natural Gas (cents per million Btu).....	498	633	859	867	802	1,048	545	571
Average heat value (Btu per cubic foot).....	1,000	1,028	1,029	1,035	1,033	1,028	1,029	1,031

<sup>1</sup> 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, 2000 and 2004 Through 2010 (Thousand Metric Tons)**

Emission Type	2000	2004	2005	2006	2007	2008	2009	2010
<b>West Virginia</b>								
<b>Sulfur Dioxide .....</b>								
Coal.....	568	446	438	427	353	286	167	105
Petroleum.....	1	*	1	1	1	*	*	*
Natural Gas.....	*	*	*	*	*	-	-	-
Other Gases.....	*	*	*	*	*	*	*	*
Other <sup>1</sup> .....	*	*	*	*	*	*	*	*
Total.....	568	447	440	428	353	286	167	105
<b>Nitrogen Oxide .....</b>								
Coal.....	242	159	147	139	138	92	35	49
Petroleum.....	*	*	*	*	*	*	*	*
Natural Gas.....	1	*	*	*	*	*	*	*
Other Gases.....	1	*	*	*	*	*	*	*
Other Renewables <sup>2</sup> .....	-	*	-	*	*	-	-	-
Other <sup>1</sup> .....	*	*	*	*	*	*	*	*
Total.....	243	160	148	140	139	92	35	49
<b>Carbon Dioxide .....</b>								
Coal.....	84,645	82,174	85,022	85,416	86,626	84,343	65,676	74,016
Petroleum.....	247	225	284	294	285	103	131	115
Natural Gas.....	448	586	446	335	356	162	120	152
Other <sup>1</sup> .....	-	13	12	8	*	2	1	*
Total.....	85,341	82,998	85,764	86,054	87,267	84,610	65,928	74,283

<sup>1</sup> Other includes non-biogenic municipal solid waste, tire-derived fuels, and miscellaneous technologies.

<sup>2</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, and other biomass.

\* = 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.

Note: CO2 emissions for the historical years 1998 - 2008 have been revised due to changes in emission factors.

Sources: Calculations made by the Electric Power Systems and Reliability Team; Office of Electricity, Renewables, and Uranium Statistics; U. S. Energy Information Administration.

**Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 2000 and 2004 Through 2010**

Sector	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>West Virginia</b>										
<b>Retail Sales (thousand megawatthours) .....</b>										
Residential .....	9,738	10,756	11,384	11,014	11,749	11,763	11,588	12,443	35.2	38.8
Commercial .....	6,796	7,217	7,452	7,377	7,769	7,716	7,694	7,962	24.5	24.9
Industrial .....	11,083	10,942	11,312	13,916	14,661	14,738	10,985	11,623	40.0	36.3
Other .....	76	NA	NA	NA	NA	NA	NA	NA	0.3	--
Transportation.....	NA	4	4	4	4	4	4	4	--	*
All Sectors .....	27,693	28,919	30,152	32,312	34,184	34,221	30,271	32,032	100.0	100.0
<b>Retail Revenue (million dollars).....</b>										
Residential .....	610	670	706	700	791	831	916	1,094	43.4	45.9
Commercial .....	371	394	412	413	454	469	521	610	26.4	25.6
Industrial .....	417	419	435	516	580	620	576	681	29.7	28.5
Other .....	8	NA	NA	NA	NA	NA	NA	NA	0.5	--
Transportation.....	NA	*	*	*	*	*	*	*	--	*
All Sectors .....	1,405	1,483	1,554	1,629	1,825	1,920	2,013	2,386	100.0	100.0
<b>Average Retail Prices (cents/kWh) .....</b>										
Residential .....	6.27	6.23	6.21	6.35	6.73	7.06	7.90	8.79	--	--
Commercial .....	5.46	5.46	5.53	5.59	5.85	6.08	6.77	7.66	--	--
Industrial .....	3.76	3.83	3.85	3.71	3.95	4.20	5.24	5.86	--	--
Other .....	9.88	NA	NA	NA	NA	NA	NA	NA	--	--
Transportation.....	NA	5.70	6.08	5.86	6.42	6.32	7.56	8.33	--	--
All Sectors .....	5.07	5.13	5.15	5.04	5.34	5.61	6.65	7.45	--	--

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, 2010**

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
<b>West Virginia</b>								
Number of Entities.....	5	2	NA	3	NA	NA	NA	10
Number of Retail Customers .....	1,004,027	3,427	NA	10,052	NA	NA	NA	1,017,506
Retail Sales (thousand megawatthours).....	31,836	68	NA	128	NA	NA	NA	32,032
Percentage of Retail Sales .....	99.39	0.21	--	0.40	--	--	--	100.00
Revenue from Retail Sales (million dollars) .....	2,362	6	NA	18	NA	NA	NA	2,386
Percentage of Revenue .....	99.00	0.26	--	0.74	--	--	--	100.00
Average Retail Price (cents/kWh).....	7.42	9.29	NA	13.82	NA	NA	NA	7.45

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Data are shown for All Sectors. Full Service Providers sell bundled electricity services (e.g., both energy and delivery) to end users. Full Service Providers may purchase electricity from others (such as independent Power Producers or other full service providers) prior to delivery. Other Providers sell either the energy or the delivery services, but not both. Sales volumes and customer counts shown for Other Providers refer to delivered electricity, which is a joint activity of both energy and delivery providers; for clarity, they are reported only in the Energy column in this table. The revenue shown under Other Providers represents the revenue realized from the sale of the energy and the delivery services distinctly. "Public" entities include municipalities, State power agencies, and municipal marketing authorities. Federal entities are either owned or financed by the Federal Government. "Cooperatives" are electric utilities legally established to be owned by and operated for the benefit of those using its services. The cooperative will generate, transmit and/or distribute supplies of electric energy to a specified area not being serviced by another utility. "Non-utility" sales represent direct electricity transactions from independent generators to end use consumers. Totals may not equal sum of components because of independent rounding.

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



**Table 10. Supply and Disposition of Electricity, 2000 and 2004 Through 2010**  
(Million Kilowatthours)

Category	2000	2004	2005	2006	2007	2008	2009	2010
<b>West Virginia</b>								
<b>Supply</b> .....								
<b>Generation</b> .....								
Electric Utilities .....	89,709	59,084	61,242	68,164	69,348	66,667	51,709	56,720
Independent Power Producers .....	1,040	28,498	30,556	23,959	23,058	23,138	17,700	22,757
Combined Heat and Power, Electric .....	451	465	467	470	417	411	413	388
<b>Electric Power Sector Generation Subtotal</b> .....	<b>91,200</b>	<b>88,047</b>	<b>92,265</b>	<b>92,593</b>	<b>92,823</b>	<b>90,216</b>	<b>69,822</b>	<b>79,865</b>
Combined Heat and Power, Industrial.....	1,665	1,703	1,361	1,223	1,110	907	960	924
<b>Industrial and Commercial Generation Subtotal</b> .....	<b>1,665</b>	<b>1,703</b>	<b>1,361</b>	<b>1,223</b>	<b>1,110</b>	<b>907</b>	<b>960</b>	<b>924</b>
<b>Total Net Generation</b> .....	<b>92,865</b>	<b>89,750</b>	<b>93,626</b>	<b>93,816</b>	<b>93,933</b>	<b>91,123</b>	<b>70,783</b>	<b>80,789</b>
<b>Total Supply</b> .....	<b>92,865</b>	<b>89,750</b>	<b>93,626</b>	<b>93,816</b>	<b>93,933</b>	<b>91,123</b>	<b>70,783</b>	<b>80,789</b>
<b>Disposition</b> .....								
<b>Retail Sales</b> .....								
Full Service Providers .....	27,693	28,919	30,131	32,312	34,184	34,221	30,271	32,032
Facility Direct Retail Sales <sup>1</sup> .....	-	-	22	-	-	-	-	-
<b>Total Electric Industry Retail Sales</b> .....	<b>27,693</b>	<b>28,919</b>	<b>30,152</b>	<b>32,312</b>	<b>34,184</b>	<b>34,221</b>	<b>30,271</b>	<b>32,032</b>
<b>Direct Use</b> .....	<b>1,744</b>	<b>1,818</b>	<b>1,360</b>	<b>1,391</b>	<b>544</b>	<b>521</b>	<b>371</b>	<b>446</b>
<b>Estimated Losses</b> .....	<b>1,971</b>	<b>1,795</b>	<b>2,582</b>	<b>3,002</b>	<b>3,280</b>	<b>3,313</b>	<b>2,536</b>	<b>2,771</b>
<b>Net Interstate Trade</b> <sup>2</sup> .....	<b>61,458</b>	<b>57,217</b>	<b>59,532</b>	<b>57,111</b>	<b>55,925</b>	<b>53,068</b>	<b>37,604</b>	<b>45,541</b>
<b>Total Disposition</b> .....	<b>92,865</b>	<b>89,750</b>	<b>93,626</b>	<b>93,816</b>	<b>93,933</b>	<b>91,123</b>	<b>70,783</b>	<b>80,789</b>
<b>Net Trade Index (ratio)</b> <sup>3</sup> .....	<b>2.96</b>	<b>2.76</b>	<b>2.75</b>	<b>2.56</b>	<b>2.47</b>	<b>2.39</b>	<b>2.13</b>	<b>2.29</b>

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

<sup>2</sup> Net Interstate Trade = Total Supply - (Total Electric Industry Retail Sales + Direct Use + Total International Exports (if applies) + Estimated Losses).

<sup>3</sup> Net Trade Index is the sum of Total Supply / (Total Disposition - Net Interstate Trade).

- (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. Beginning with publication year 2010, Total disposition has been reorganized to include Net Interstate Trade. Therefore, Total Disposition equals Total Supply.

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. 2010 Summary Statistics**

Item	Value	U.S. Rank
<b>Wisconsin</b>		
NERC Region(s).....		<b>MRO/RFC</b>
Primary Energy Source.....		<b>Coal</b>
Net Summer Capacity (megawatts) .....	<b>17,836</b>	<b>23</b>
Electric Utilities.....	13,098	19
Independent Power Producers & Combined Heat and Power.....	4,738	20
Net Generation (megawatthours).....	<b>64,314,067</b>	<b>24</b>
Electric Utilities.....	45,579,970	22
Independent Power Producers & Combined Heat and Power.....	18,734,097	18
Emissions (thousand metric tons) .....		
Sulfur Dioxide .....	145	12
Nitrogen Oxide .....	49	25
Carbon Dioxide.....	47,238	19
Sulfur Dioxide (lbs/MWh) .....	5.0	9
Nitrogen Oxide (lbs/MWh) .....	1.7	20
Carbon Dioxide (lbs/MWh).....	1,619	16
Total Retail Sales (megawatthours) .....	<b>68,752,417</b>	<b>22</b>
Full Service Provider Sales (megawatthours) .....	68,752,417	21
Direct Use (megawatthours) .....	<b>2,246,656</b>	<b>15</b>
Average Retail Price (cents/kWh).....	<b>9.78</b>	<b>18</b>

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, 2010**

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
<b>Wisconsin</b>			
1. Pleasant Prairie .....	Coal	Wisconsin Electric Power Co	1,190
2. South Oak Creek.....	Coal	Wisconsin Electric Power Co	1,135
3. Columbia .....	Coal	Wisconsin Power & Light Co	1,118
4. Port Washington Generating Station .....	Gas	Wisconsin Electric Power Co	1,090
5. Weston .....	Coal	Wisconsin Public Service Corp	1,085
6. Point Beach Nuclear Plant.....	Nuclear	NextEra Energy Point Beach LLC	1,033
7. Edgewater .....	Coal	Wisconsin Power & Light Co	784
8. Elm Road Generating Station.....	Coal	Wisconsin Electric Power Co	634
9. Riverside Energy Center.....	Gas	Rock River Energy LLC	598
10. Kewaunee .....	Nuclear	Dominion Energy Kewaunee Inc.	566

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, 2010**  
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
1. Wisconsin Electric Power Co.....	Investor-Owned	24,533,047	8,260,048	8,827,660	7,445,339	-
2. Wisconsin Public Service Corp.....	Investor-Owned	10,517,120	2,780,951	3,863,501	3,872,668	-
3. Wisconsin Power & Light Co.....	Investor-Owned	10,130,310	3,541,703	2,336,594	4,252,013	-
4. Northern States Power Co - Wisconsin.....	Investor-Owned	6,177,480	1,907,315	2,699,730	1,570,435	-
5. Madison Gas & Electric Co.....	Investor-Owned	3,331,795	826,021	2,243,141	262,633	-
Total Sales, Top Five Providers.....		54,689,752	17,316,038	19,970,626	17,403,088	-
Percent of Total State Sales.....		80	78	87	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, 2000 and 2004 Through 2010**  
(Megawatts)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Wisconsin</b>										
<b>Electric Utilities.....</b>	<b>12,212</b>	<b>12,405</b>	<b>12,877</b>	<b>12,911</b>	<b>11,767</b>	<b>12,975</b>	<b>12,998</b>	<b>13,098</b>	<b>89.8</b>	<b>73.4</b>
Coal.....	7,184	6,856	6,855	6,879	6,746	7,266	7,188	7,796	52.9	43.7
Petroleum.....	1,086	759	771	764	810	847	847	765	8.0	4.3
Natural Gas.....	1,901	2,689	3,697	3,716	3,683	4,248	4,237	3,828	14.0	21.5
Nuclear.....	1,510	1,586	1,026	1,026	-	-	-	-	11.1	-
Hydroelectric.....	460	431	436	425	436	433	433	434	3.4	2.4
Other Renewables <sup>1</sup> .....	71	84	92	101	91	180	293	276	0.5	1.5
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>1,381</b>	<b>2,330</b>	<b>3,330</b>	<b>3,504</b>	<b>4,597</b>	<b>4,647</b>	<b>4,746</b>	<b>4,738</b>	<b>10.2</b>	<b>26.6</b>
Coal.....	434	277	291	184	199	331	331	268	3.2	1.5
Petroleum.....	5	3	18	117	139	26	26	26	*	0.1
Natural Gas.....	802	1,744	2,169	2,339	2,348	2,296	2,299	2,283	5.9	12.8
Nuclear.....	-	-	556	556	1,582	1,582	1,583	1,584	-	8.9
Hydroelectric.....	51	51	51	51	52	52	59	58	0.4	0.3
Other Renewables <sup>1</sup> .....	90	233	225	236	256	338	427	499	0.7	2.8
Other <sup>2</sup> .....	-	21	21	21	21	21	21	21	-	0.1
<b>Total Electric Industry.....</b>	<b>13,594</b>	<b>14,734</b>	<b>16,208</b>	<b>16,415</b>	<b>16,365</b>	<b>17,622</b>	<b>17,744</b>	<b>17,836</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	7,618	7,133	7,146	7,063	6,945	7,597	7,519	8,063	56.0	45.2
Petroleum.....	1,091	762	789	881	949	874	873	790	8.0	4.4
Natural Gas.....	2,703	4,433	5,866	6,056	6,032	6,544	6,536	6,110	19.9	34.3
Nuclear.....	1,510	1,586	1,582	1,582	1,582	1,582	1,583	1,584	11.1	8.9
Hydroelectric.....	511	482	487	476	488	485	492	492	3.8	2.8
Other Renewables <sup>1</sup> .....	161	317	318	337	348	518	720	775	1.2	4.3
Other <sup>2</sup> .....	-	21	21	21	21	21	21	21	-	0.1

<sup>1</sup> Other Renewables includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>2</sup> Other includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

\* = 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, 2000 and 2004 Through 2010**  
(Megawatthours)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Wisconsin</b>										
<b>Electric Utilities.....</b>	<b>55,665,471</b>	<b>56,142,364</b>	<b>55,169,108</b>	<b>51,914,755</b>	<b>44,284,480</b>	<b>45,536,712</b>	<b>41,375,366</b>	<b>45,579,970</b>	<b>93.3</b>	<b>70.9</b>
Coal.....	41,057,919	40,981,609	40,506,086	38,866,178	38,719,363	40,452,933	36,238,643	39,185,565	68.8	60.9
Petroleum.....	191,091	494,535	470,219	591,486	725,019	647,602	458,848	478,866	0.3	0.7
Natural Gas.....	891,998	711,519	2,450,224	2,114,624	3,175,563	2,457,177	2,616,299	3,205,394	1.5	5.0
Other Gases <sup>1</sup> .....	-	-	-	-	-	-	-	18	-	*
Nuclear.....	11,512,078	11,887,849	9,920,991	8,560,416	-	-	-	-	19.3	-
Hydroelectric.....	1,744,201	1,748,442	1,498,881	1,446,192	1,313,600	1,427,741	1,226,149	1,890,101	2.9	2.9
Other Renewables <sup>2</sup> .....	262,984	227,684	230,399	259,408	277,136	509,980	804,511	796,131	0.4	1.2
Pumped Storage.....	5,200	-	-	-	-	-	-	-	*	-
Other <sup>3</sup> .....	-	90,726	92,308	76,451	73,800	41,280	30,916	23,894	-	*
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>3,978,946</b>	<b>4,302,569</b>	<b>6,655,556</b>	<b>9,725,088</b>	<b>19,106,150</b>	<b>17,942,843</b>	<b>18,583,695</b>	<b>18,734,097</b>	<b>6.7</b>	<b>29.1</b>
Coal.....	1,245,024	1,166,567	1,223,227	1,250,312	1,308,887	1,252,928	1,041,351	983,167	2.1	1.5
Petroleum.....	256,346	301,084	276,291	285,700	288,395	283,558	253,603	239,435	0.4	0.4
Natural Gas.....	1,345,477	1,693,843	3,936,570	3,243,858	3,313,188	2,786,412	2,867,842	2,291,420	2.3	3.6
Nuclear.....	-	-	-	3,673,099	12,910,319	12,154,510	12,683,151	13,280,939	-	20.7
Hydroelectric.....	241,433	232,234	241,338	232,406	202,483	188,401	167,840	221,751	0.4	0.3
Other Renewables <sup>2</sup> .....	890,666	885,955	951,254	1,006,215	1,052,382	1,243,955	1,535,784	1,677,824	1.5	2.6
Other <sup>3</sup> .....	-	22,887	26,875	33,499	30,497	33,079	34,124	39,560	-	0.1
<b>Total Electric Industry.....</b>	<b>59,644,417</b>	<b>60,444,933</b>	<b>61,824,664</b>	<b>61,639,843</b>	<b>63,390,630</b>	<b>63,479,555</b>	<b>59,959,060</b>	<b>64,314,067</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	42,302,943	42,148,176	41,729,313	40,116,490	40,028,250	41,705,860	37,279,995	40,168,733	70.9	62.5
Petroleum.....	447,437	795,619	746,510	877,186	1,013,414	931,160	712,451	718,302	0.8	1.1
Natural Gas.....	2,237,475	2,405,362	6,386,794	5,358,482	6,488,750	5,243,589	5,484,140	5,496,814	3.8	8.5
Other Gases <sup>1</sup> .....	-	-	-	-	-	-	-	18	-	*
Nuclear.....	11,512,078	11,887,849	9,920,991	12,233,515	12,910,319	12,154,510	12,683,151	13,280,939	19.3	20.7
Hydroelectric.....	1,985,634	1,980,676	1,740,219	1,678,598	1,516,083	1,616,142	1,393,988	2,111,852	3.3	3.3
Other Renewables <sup>2</sup> .....	1,153,650	1,113,639	1,181,653	1,265,623	1,329,518	1,753,935	2,340,295	2,473,956	1.9	3.8
Pumped Storage.....	5,200	-	-	-	-	-	-	-	*	-
Other <sup>3</sup> .....	-	113,612	119,183	109,950	104,297	74,358	65,040	63,454	-	0.1

<sup>1</sup> Other gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

<sup>2</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>3</sup> Other includes non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

\* = 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.

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

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, 2000 and 2004 Through 2010**

Fuel, Quality	2000	2004	2005	2006	2007	2008	2009	2010
<b>Wisconsin</b>								
Coal (cents per million Btu) .....	102	W	W	W	W	198	206	218
Average heat value (Btu per pound).....	9,165	9,030	9,088	8,975	8,967	9,025	8,920	8,964
Average sulfur Content (percent) .....	0.35	0.39	0.38	0.36	0.36	0.37	0.38	0.40
Petroleum (cents per million Btu) <sup>1</sup> .....	88	W	W	W	W	356	W	240
Average heat value (Btu per gallon).....	74,440	135,093	135,238	134,333	134,845	136,126	134,033	131,245
Average sulfur Content (percent) .....	5.17	5.45	5.33	5.36	5.49	4.99	5.37	5.48
Natural Gas (cents per million Btu).....	444	639	862	726	741	895	481	536
Average heat value (Btu per cubic foot).....	1,008	1,002	1,012	1,012	1,021	1,016	1,015	1,011

<sup>1</sup> 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, 2000 and 2004 Through 2010 (Thousand Metric Tons)**

Emission Type	2000	2004	2005	2006	2007	2008	2009	2010
<b>Wisconsin</b>								
<b>Sulfur Dioxide .....</b>								
Coal.....	196	195	193	185	157	153	122	126
Petroleum.....	14	21	14	15	15	14	13	14
Natural Gas .....	*	*	*	*	*	*	*	*
Other Renewables <sup>1</sup> .....	10	6	6	8	5	5	4	6
Other <sup>2</sup> .....	1	1	1	1	1	1	*	*
Total.....	222	223	214	208	177	172	139	145
<b>Nitrogen Oxide .....</b>								
Coal.....	103	78	70	65	58	54	38	38
Petroleum.....	2	3	2	2	2	2	2	2
Natural Gas .....	2	2	3	2	2	2	1	2
Other Renewables <sup>1</sup> .....	6	5	6	7	7	9	7	8
Other <sup>2</sup> .....	*	*	*	*	*	*	*	*
Total.....	114	89	81	77	70	67	49	49
<b>Carbon Dioxide .....</b>								
Coal.....	48,946	47,246	49,630	44,481	44,521	45,516	40,491	43,476
Petroleum.....	868	1,333	1,345	1,572	1,642	1,439	1,109	1,081
Natural Gas .....	1,777	1,913	3,723	2,826	3,324	2,575	2,577	2,625
Other Gases.....	-	-	-	-	-	-	-	*
Other Renewables <sup>1</sup> .....	-	-	-	-	-	-	-	13
Other <sup>2</sup> .....	26	141	104	119	104	63	56	43
Total.....	51,617	50,633	54,802	48,997	49,591	49,593	44,233	47,238

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, and other biomass.

<sup>2</sup> Other includes non-biogenic municipal solid waste, tire-derived fuels, and miscellaneous technologies.

\* = 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.

Note: CO2 emissions for the historical years 1998 - 2008 have been revised due to changes in emission factors.

Sources: Calculations made by the Electric Power Systems and Reliability Team; Office of Electricity, Renewables, and Uranium Statistics; U. S. Energy Information Administration.

**Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 2000 and 2004 Through 2010**

Sector	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Wisconsin</b>										
<b>Retail Sales (thousand megawatthours) .....</b>										
Residential .....	19,929	21,192	22,458	21,779	22,374	21,976	21,421	22,299	30.6	32.4
Commercial .....	18,321	19,349	22,501	22,756	23,491	23,473	22,476	23,001	28.1	33.5
Industrial .....	26,162	27,435	25,376	25,286	25,436	24,672	22,390	23,452	40.2	34.1
Other .....	734	NA	NA	NA	NA	NA	NA	NA	1.1	--
All Sectors .....	65,146	67,976	70,336	69,821	71,301	70,122	66,286	68,752	100.0	100.0
<b>Retail Revenue (million dollars) .....</b>										
Residential .....	1,502	1,922	2,171	2,289	2,431	2,530	2,557	2,821	40.4	42.0
Commercial .....	1,104	1,401	1,726	1,905	2,047	2,177	2,150	2,296	29.7	34.2
Industrial .....	1,057	1,353	1,368	1,480	1,567	1,606	1,508	1,606	28.4	23.9
Other .....	54	NA	NA	NA	NA	NA	NA	NA	1.5	--
All Sectors .....	3,717	4,677	5,264	5,674	6,045	6,313	6,214	6,723	100.0	100.0
<b>Average Retail Prices (cents/kWh) .....</b>										
Residential .....	7.53	9.07	9.66	10.51	10.87	11.51	11.94	12.65	--	--
Commercial .....	6.03	7.24	7.67	8.37	8.71	9.28	9.57	9.98	--	--
Industrial .....	4.04	4.93	5.39	5.85	6.16	6.51	6.73	6.85	--	--
Other .....	7.40	NA	NA	NA	NA	NA	NA	NA	--	--
All Sectors .....	5.71	6.88	7.48	8.13	8.48	9.00	9.38	9.78	--	--

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, 2010**

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
<b>Wisconsin</b>								
Number of Entities .....	12	82	NA	24	NA	NA	NA	118
Number of Retail Customers .....	2,404,281	276,489	NA	256,830	NA	NA	NA	2,937,600
Retail Sales (thousand megawatthours) .....	57,184	7,759	NA	3,810	NA	NA	NA	68,752
Percentage of Retail Sales .....	83.17	11.28	--	5.54	--	--	--	100.00
Revenue from Retail Sales (million dollars) .....	5,583	691	NA	450	NA	NA	NA	6,723
Percentage of Revenue .....	83.04	10.28	--	6.69	--	--	--	100.00
Average Retail Price (cents/kWh) .....	9.76	8.91	NA	11.80	NA	NA	NA	9.78

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Data are shown for All Sectors. Full Service Providers sell bundled electricity services (e.g., both energy and delivery) to end users. Full Service Providers may purchase electricity from others (such as independent Power Producers or other full service providers) prior to delivery. Other Providers sell either the energy or the delivery services, but not both. Sales volumes and customer counts shown for Other Providers refer to delivered electricity, which is a joint activity of both energy and delivery providers; for clarity, they are reported only in the Energy column in this table. The revenue shown under Other Providers represents the revenue realized from the sale of the energy and the delivery services distinctly. "Public" entities include municipalities, State power agencies, and municipal marketing authorities. Federal entities are either owned or financed by the Federal Government. "Cooperatives" are electric utilities legally established to be owned by and operated for the benefit of those using its services. The cooperative will generate, transmit and/or distribute supplies of electric energy to a specified area not being serviced by another utility. "Non-utility" sales represent direct electricity transactions from independent generators to end use consumers. Totals may not equal sum of components because of independent rounding.

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

**Table 10. Supply and Disposition of Electricity, 2000 and 2004 Through 2010**  
(Million Kilowatthours)

Category	2000	2004	2005	2006	2007	2008	2009	2010
<b>Wisconsin</b>								
<b>Supply</b> .....								
<b>Generation</b> .....								
Electric Utilities .....	55,665	56,142	55,169	51,915	44,284	45,537	41,375	45,580
Independent Power Producers .....	567	1,348	3,212	6,373	15,406	14,499	15,463	15,834
Combined Heat and Power, Electric .....	723	407	793	785	1,065	943	876	663
<b>Electric Power Sector Generation Subtotal</b> .....	<b>56,956</b>	<b>57,897</b>	<b>59,174</b>	<b>59,073</b>	<b>60,756</b>	<b>60,979</b>	<b>57,714</b>	<b>62,076</b>
Combined Heat and Power, Commercial .....	159	163	164	110	126	171	184	142
Combined Heat and Power, Industrial .....	2,530	2,384	2,487	2,457	2,509	2,329	2,061	2,096
<b>Industrial and Commercial Generation Subtotal</b> .....	<b>2,689</b>	<b>2,548</b>	<b>2,651</b>	<b>2,567</b>	<b>2,635</b>	<b>2,501</b>	<b>2,245</b>	<b>2,238</b>
<b>Total Net Generation</b> .....	<b>59,644</b>	<b>60,445</b>	<b>61,825</b>	<b>61,640</b>	<b>63,391</b>	<b>63,480</b>	<b>59,959</b>	<b>64,314</b>
<b>Total International Imports</b> .....	-	-	*	*	*	-	-	-
<b>Total Supply</b> .....	<b>59,644</b>	<b>60,445</b>	<b>61,825</b>	<b>61,640</b>	<b>63,391</b>	<b>63,480</b>	<b>59,959</b>	<b>64,314</b>
<b>Disposition</b> .....								
<b>Retail Sales</b> .....								
Full Service Providers .....	65,146	67,905	70,334	69,819	71,301	70,122	66,286	68,752
Facility Direct Retail Sales <sup>1</sup> .....	-	70	2	2	-	-	-	-
<b>Total Electric Industry Retail Sales</b> .....	<b>65,146</b>	<b>67,976</b>	<b>70,336</b>	<b>69,821</b>	<b>71,301</b>	<b>70,122</b>	<b>66,286</b>	<b>68,752</b>
<b>Direct Use</b> .....	<b>2,725</b>	<b>2,759</b>	<b>4,087</b>	<b>3,587</b>	<b>2,554</b>	<b>2,467</b>	<b>2,200</b>	<b>2,247</b>
<b>Total International Exports</b> .....	-	-	-	-	-	*	-	-
<b>Estimated Losses</b> .....	<b>4,637</b>	<b>4,440</b>	<b>4,106</b>	<b>3,544</b>	<b>4,733</b>	<b>4,564</b>	<b>3,625</b>	<b>3,729</b>
<b>Net Interstate Trade</b> <sup>2</sup> .....	<b>-12,863</b>	<b>-14,730</b>	<b>-16,704</b>	<b>-15,312</b>	<b>-15,198</b>	<b>-13,674</b>	<b>-12,152<sup>R</sup></b>	<b>-10,414</b>
<b>Total Disposition</b> .....	<b>59,644</b>	<b>60,445</b>	<b>61,825</b>	<b>61,640</b>	<b>63,391</b>	<b>63,480</b>	<b>59,959</b>	<b>64,314</b>
<b>Net Trade Index (ratio)</b> <sup>3</sup> .....	<b>0.82</b>	<b>0.80</b>	<b>0.79</b>	<b>0.80</b>	<b>0.81</b>	<b>0.82</b>	<b>0.83</b>	<b>0.86</b>

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

<sup>2</sup> Net Interstate Trade = Total Supply - (Total Electric Industry Retail Sales + Direct Use + Total International Exports (if applies) + Estimated Losses).

<sup>3</sup> Net Trade Index is the sum of Total Supply / (Total Disposition - Net Interstate Trade).

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. Beginning with publication year 2010, Total disposition has been reorganized to include Net Interstate Trade. Therefore, Total Disposition equals Total Supply.

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. 2010 Summary Statistics**

Item	Value	U.S. Rank
<b>Wyoming</b>		
NERC Region(s).....		WECC
Primary Energy Source.....		Coal
Net Summer Capacity (megawatts) .....	<b>7,986</b>	<b>37</b>
Electric Utilities.....	6,931	31
Independent Power Producers & Combined Heat and Power.....	1,056	41
Net Generation (megawatthours).....	<b>48,119,254</b>	<b>31</b>
Electric Utilities.....	44,738,543	25
Independent Power Producers & Combined Heat and Power.....	3,380,711	42
Emissions (thousand metric tons) .....		
Sulfur Dioxide .....	67	23
Nitrogen Oxide .....	61	15
Carbon Dioxide.....	45,703	21
Sulfur Dioxide (lbs/MWh) .....	3.1	19
Nitrogen Oxide (lbs/MWh) .....	2.8	7
Carbon Dioxide (lbs/MWh).....	2,094	2
Total Retail Sales (megawatthours) .....	<b>17,113,458</b>	<b>40</b>
Full Service Provider Sales (megawatthours) .....	17,113,458	39
Direct Use (megawatthours) .....	<b>1,000,189</b>	<b>26</b>
Average Retail Price (cents/kWh).....	<b>6.20</b>	<b>51</b>

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, 2010**

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
<b>Wyoming</b>			
1. Jim Bridger .....	Coal	PacifiCorp	2,118
2. Laramie River Station.....	Coal	Basin Electric Power Coop	1,710
3. Dave Johnston.....	Coal	PacifiCorp	762
4. Naughton .....	Coal	PacifiCorp	700
5. Wyodak.....	Coal	PacifiCorp	335
6. Top of the World .....	Other Renewables	Duke Energy Top Of the World WindPower	200
7. Wyoming Wind Energy Center .....	Other Renewables	FPL Energy Wyoming Wind LLC	144
8. Glenrock .....	Other Renewables	PacifiCorp	138
9. Seven Mile Hill.....	Other Renewables	PacifiCorp	124
10. Neil Simpson II.....	Coal	Black Hills Power Inc	114

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, 2010**  
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
1. PacifiCorp.....	Investor-Owned	9,680,088	1,063,589	1,522,713	7,093,786	-
2. Powder River Energy Corporation .....	Cooperative	2,927,689	214,210	1,161,208	1,552,271	-
3. Cheyenne Light Fuel & Power Co .....	Investor-Owned	1,019,093	258,788	599,226	161,079	-
4. High Plains Power Inc .....	Cooperative	965,294	146,110	64,497	754,687	-
5. Lower Valley Energy Inc .....	Cooperative	639,050	377,195	227,580	34,275	-
Total Sales, Top Five Providers .....		15,231,214	2,059,892	3,575,224	9,596,098	-
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, 2000 and 2004 Through 2010**  
(Megawatts)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Electric Utilities.....</b>	<b>6,048</b>	<b>6,086</b>	<b>6,241</b>	<b>6,137</b>	<b>6,142</b>	<b>6,450</b>	<b>6,713</b>	<b>6,931</b>	<b>97.1</b>	<b>86.8</b>
Coal.....	5,710	5,692	5,817	5,747	5,747	5,832	5,829	5,935	91.6	74.3
Petroleum.....	-	5	-	-	5	5	5	5	-	0.1
Natural Gas .....	34	80	113	79	79	79	79	79	0.5	1.0
Hydroelectric .....	298	303	303	303	303	303	304	305	4.8	3.8
Other Renewables <sup>1</sup> .....	6	6	9	9	9	231	497	608	0.1	7.6
<b>Independent Power Producers and Combined Heat and Power .....</b>	<b>183</b>	<b>473</b>	<b>465</b>	<b>569</b>	<b>525</b>	<b>695</b>	<b>853</b>	<b>1,056</b>	<b>2.9</b>	<b>13.2</b>
Coal.....	28	100	30	100	100	100	100	100	0.4	1.3
Petroleum.....	4	2	6	6	2	2	2	2	0.1	*
Natural Gas .....	51	81	47	81	41	41	41	41	0.8	0.5
Other Gases <sup>2</sup> .....	-	-	92	92	92	92	92	92	-	1.1
Hydroelectric .....	-	-	-	-	-	-	-	3	-	*
Other Renewables <sup>1</sup> .....	90	279	279	279	279	449	607	807	1.4	10.1
Other <sup>3</sup> .....	11	12	12	12	12	12	12	12	0.2	0.1
<b>Total Electric Industry.....</b>	<b>6,231</b>	<b>6,558</b>	<b>6,707</b>	<b>6,707</b>	<b>6,667</b>	<b>7,145</b>	<b>7,566</b>	<b>7,986</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	5,738	5,792	5,847	5,847	5,847	5,932	5,929	6,035	92.1	75.6
Petroleum.....	4	6	6	6	7	7	7	7	0.1	0.1
Natural Gas .....	85	161	160	160	120	120	120	120	1.4	1.5
Other Gases <sup>2</sup> .....	-	-	92	92	92	92	92	92	-	1.1
Hydroelectric .....	298	303	303	303	303	303	304	307	4.8	3.8
Other Renewables <sup>1</sup> .....	96	285	287	287	287	680	1,104	1,415	1.5	17.7
Other <sup>3</sup> .....	11	12	12	12	12	12	12	12	0.2	0.1

<sup>1</sup> Other Renewables includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>2</sup> Other gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

<sup>3</sup> Other includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

\* = 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, 2000 and 2004 Through 2010**  
(Megawatthours)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Wyoming</b>										
<b>Electric Utilities.....</b>	<b>44,585,709</b>	<b>43,059,537</b>	<b>44,031,568</b>	<b>42,905,244</b>	<b>43,144,350</b>	<b>43,909,400</b>	<b>43,182,207</b>	<b>44,738,543</b>	<b>98.0</b>	<b>93.0</b>
Coal.....	43,355,361	42,372,775	43,112,061	41,948,761	42,204,359	42,900,080	41,040,274	42,126,910	95.3	87.5
Petroleum.....	35,159	43,450	40,311	44,240	46,116	43,765	49,958	55,973	0.1	0.1
Natural Gas.....	184,154	35,207	55,805	48,492	147,571	85,459	95,392	50,672	0.4	0.1
Hydroelectric.....	1,011,035	593,147	808,375	843,316	729,424	835,275	966,572	1,014,175	2.2	2.1
Other Renewables <sup>1</sup> .....	-	14,958	15,016	20,435	16,880	44,821	1,030,012	1,490,813	-	3.1
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>908,571</b>	<b>1,748,067</b>	<b>1,535,739</b>	<b>2,495,126</b>	<b>2,489,136</b>	<b>2,591,048</b>	<b>2,847,005</b>	<b>3,380,711</b>	<b>2.0</b>	<b>7.0</b>
Coal.....	218,747	972,965	233,615	943,066	922,450	907,823	913,993	859,613	0.5	1.8
Petroleum.....	3,007	2,409	1,994	1,697	1,106	262	223	173	*	*
Natural Gas.....	354,982	51,690	269,176	452,778	446,455	409,219	392,622	408,311	0.8	0.8
Other Gases <sup>2</sup> .....	9,353	12,746	263,586	309,927	312,091	288,645	284,361	279,065	*	0.6
Hydroelectric.....	-	-	-	-	-	-	-	9,712	-	*
Other Renewables <sup>1</sup> .....	245,911	601,557	702,248	738,626	738,001	917,721	1,196,193	1,755,980	0.5	3.6
Other <sup>3</sup> .....	76,571	106,700	65,120	49,032	69,034	67,377	59,613	67,857	0.2	0.1
<b>Total Electric Industry.....</b>	<b>45,494,280</b>	<b>44,807,604</b>	<b>45,567,307</b>	<b>45,400,370</b>	<b>45,633,486</b>	<b>46,500,448</b>	<b>46,029,212</b>	<b>48,119,254</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	43,574,108	43,345,740	43,345,676	42,891,827	43,126,809	43,807,903	41,954,266	42,986,523	95.8	89.3
Petroleum.....	38,166	45,859	42,305	45,937	47,222	44,027	50,181	56,146	0.1	0.1
Natural Gas.....	539,136	86,897	324,981	501,270	594,026	494,679	488,014	458,983	1.2	1.0
Other Gases <sup>2</sup> .....	9,353	12,746	263,586	309,927	312,091	288,645	284,361	279,065	*	0.6
Hydroelectric.....	1,011,035	593,147	808,375	843,316	729,424	835,275	966,572	1,023,887	2.2	2.1
Other Renewables <sup>1</sup> .....	245,911	616,515	717,264	759,061	754,881	962,542	2,226,205	3,246,793	0.5	6.7
Other <sup>3</sup> .....	76,571	106,700	65,120	49,032	69,034	67,377	59,613	67,857	0.2	0.1

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>2</sup> Other gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

<sup>3</sup> Other includes non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

\* = 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.

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

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, 2000 and 2004 Through 2010**

Fuel, Quality	2000	2004	2005	2006	2007	2008	2009	2010
<b>Wyoming</b>								
Coal (cents per million Btu) .....	78	87	95	W	W	W	W	132
Average heat value (Btu per pound).....	8,803	8,826	8,814	8,708	8,684	8,769	8,791	8,806
Average sulfur Content (percent) .....	0.50	0.48	0.49	0.51	0.49	0.51	0.51	0.53
Petroleum (cents per million Btu) <sup>1</sup> .....	724	950	1,317	1,628	1,772	W	W	1,736
Average heat value (Btu per gallon).....	139,219	139,338	139,638	139,333	139,448	139,926	139,824	139,238
Average sulfur Content (percent) .....	0.31	0.31	0.30	0.32	0.31	0.24	0.24	0.22
Natural Gas (cents per million Btu).....	376	341	553	W	W	423	299	287
Average heat value (Btu per cubic foot).....	1,044	1,060	1,048	983	988	985	987	999

<sup>1</sup> 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, 2000 and 2004 Through 2010 (Thousand Metric Tons)**

Emission Type	2000	2004	2005	2006	2007	2008	2009	2010
<b>Wyoming</b>								
<b>Sulfur Dioxide .....</b>								
Coal.....	79	84	87	84	83	83	76	67
Petroleum.....	1	*	*	*	*	*	*	*
Natural Gas.....	*	-	-	*	*	*	*	*
Other Gases.....	*	-	-	*	*	*	*	*
Total.....	80	85	88	84	83	83	76	67
<b>Nitrogen Oxide .....</b>								
Coal.....	83	86	82	78	73	70	63	58
Petroleum.....	*	*	*	*	*	*	*	*
Natural Gas.....	1	*	*	1	1	1	1	1
Other Gases.....	*	*	*	2	2	1	2	2
Other <sup>1</sup> .....	*	-	*	*	*	*	*	*
Total.....	85	86	82	82	77	73	66	61
<b>Carbon Dioxide .....</b>								
Coal.....	45,876	46,541	45,741	45,453	45,890	46,422	44,182	45,212
Petroleum.....	78	78	71	70	56	39	42	45
Natural Gas.....	350	164	392	460	536	376	460	445
Total.....	46,303	46,783	46,203	45,984	46,481	46,837	44,684	45,703

<sup>1</sup> Other includes non-biogenic municipal solid waste, tire-derived fuels, and miscellaneous technologies.

\* = 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.

Note: CO2 emissions for the historical years 1998 - 2008 have been revised due to changes in emission factors.

Sources: Calculations made by the Electric Power Systems and Reliability Team; Office of Electricity, Renewables, and Uranium Statistics; U. S. Energy Information Administration.

**Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 2000 and 2004 Through 2010**

Sector	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>Wyoming</b>										
<b>Retail Sales (thousand megawatthours) .....</b>										
Residential .....	2,103	2,262	2,377	2,468	2,592	2,719	2,720	2,727	17.0	15.9
Commercial .....	2,748	3,393	3,754	4,117	4,214	4,411	4,288	4,317	22.2	25.2
Industrial .....	7,321	7,884	8,007	8,362	8,730	9,560	9,554	10,069	59.2	58.8
Other .....	196	NA	NA	NA	NA	NA	NA	NA	1.6	--
All Sectors .....	12,368	13,540	14,138	14,947	15,536	16,690	16,562	17,113	100.0	100.0
<b>Retail Revenue (million dollars) .....</b>										
Residential .....	137	163	178	191	201	223	233	239	25.4	22.6
Commercial .....	145	203	232	258	263	296	312	320	27.0	30.2
Industrial .....	246	308	319	338	358	428	462	501	45.7	47.3
Other .....	10	NA	NA	NA	NA	NA	NA	NA	1.8	--
All Sectors .....	537	674	729	788	823	947	1,007	1,061	100.0	100.0
<b>Average Retail Prices (cents/kWh) .....</b>										
Residential .....	6.50	7.21	7.48	7.75	7.75	8.21	8.58	8.77	--	--
Commercial .....	5.29	5.98	6.17	6.28	6.25	6.71	7.28	7.42	--	--
Industrial .....	3.36	3.91	3.99	4.04	4.10	4.47	4.83	4.98	--	--
Other .....	4.87	NA	NA	NA	NA	NA	NA	NA	--	--
All Sectors .....	4.34	4.98	5.16	5.27	5.29	5.67	6.08	6.20	--	--

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, 2010**

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
<b>Wyoming</b>								
Number of Entities .....	5	13	1	17	NA	NA	NA	36
Number of Retail Customers .....	193,231	34,309	7	98,475	NA	NA	NA	326,022
Retail Sales (thousand megawatthours) .....	11,164	651	32	5,266	NA	NA	NA	17,113
Percentage of Retail Sales .....	65.24	3.80	0.19	30.77	--	--	--	100.00
Revenue from Retail Sales (million dollars) .....	660	53	1	347	NA	NA	NA	1,061
Percentage of Revenue .....	62.21	5.04	0.07	32.67	--	--	--	100.00
Average Retail Price (cents/kWh) .....	5.91	8.21	2.45	6.58	NA	NA	NA	6.20

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Data are shown for All Sectors. Full Service Providers sell bundled electricity services (e.g., both energy and delivery) to end users. Full Service Providers may purchase electricity from others (such as independent Power Producers or other full service providers) prior to delivery. Other Providers sell either the energy or the delivery services, but not both. Sales volumes and customer counts shown for Other Providers refer to delivered electricity, which is a joint activity of both energy and delivery providers; for clarity, they are reported only in the Energy column in this table. The revenue shown under Other Providers represents the revenue realized from the sale of the energy and the delivery services distinctly. "Public" entities include municipalities, State power agencies, and municipal marketing authorities. Federal entities are either owned or financed by the Federal Government. "Cooperatives" are electric utilities legally established to be owned by and operated for the benefit of those using its services. The cooperative will generate, transmit and/or distribute supplies of electric energy to a specified area not being serviced by another utility. "Non-utility" sales represent direct electricity transactions from independent generators to end use consumers. Totals may not equal sum of components because of independent rounding.

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

**Table 10. Supply and Disposition of Electricity, 2000 and 2004 Through 2010**  
(Million Kilowatthours)

Category	2000	2004	2005	2006	2007	2008	2009	2010
<b>Wyoming</b>								
<b>Supply</b> .....								
<b>Generation</b> .....								
Electric Utilities .....	44,586	43,060	44,032	42,905	43,144	43,909	43,182	44,739
Independent Power Producers .....	246	1,350	702	1,484	1,465	1,627	1,918	2,408
<b>Electric Power Sector Generation Subtotal</b> .....	<b>44,832</b>	<b>44,410</b>	<b>44,734</b>	<b>44,389</b>	<b>44,610</b>	<b>45,537</b>	<b>45,100</b>	<b>47,146</b>
Combined Heat and Power, Industrial.....	663	398	833	1,012	1,024	964	929	973
<b>Industrial and Commercial Generation Subtotal</b> .....	<b>663</b>	<b>398</b>	<b>833</b>	<b>1,012</b>	<b>1,024</b>	<b>964</b>	<b>929</b>	<b>973</b>
<b>Total Net Generation</b> .....	<b>45,494</b>	<b>44,808</b>	<b>45,567</b>	<b>45,400</b>	<b>45,633</b>	<b>46,500</b>	<b>46,029</b>	<b>48,119</b>
<b>Total International Imports</b> .....	-	19	48	28	32	23	9	7
<b>Total Supply</b> .....	<b>45,494</b>	<b>44,827</b>	<b>45,615</b>	<b>45,428</b>	<b>45,666</b>	<b>46,523</b>	<b>46,038</b>	<b>48,127</b>
<b>Disposition</b> .....								
<b>Retail Sales</b> .....								
Full Service Providers .....	12,368	13,540	14,138	14,947	15,536	16,690	16,562	17,113
<b>Total Electric Industry Retail Sales</b> .....	<b>12,368</b>	<b>13,540</b>	<b>14,138</b>	<b>14,947</b>	<b>15,536</b>	<b>16,690</b>	<b>16,562</b>	<b>17,113</b>
<b>Direct Use</b> .....	<b>663</b>	<b>662</b>	<b>350</b>	<b>1,217</b>	<b>1,034</b>	<b>1,001</b>	<b>970</b>	<b>1,000</b>
<b>Total International Exports</b> .....	-	75	145	75	87	64	45	33
<b>Estimated Losses</b> .....	<b>880</b>	<b>1,005</b>	<b>1,110</b>	<b>1,224</b>	<b>1,351</b>	<b>1,488</b>	<b>1,324<sup>R</sup></b>	<b>1,369</b>
<b>Net Interstate Trade<sup>1</sup></b> .....	<b>31,584</b>	<b>29,545</b>	<b>29,872</b>	<b>27,966</b>	<b>27,659</b>	<b>27,279</b>	<b>27,136</b>	<b>28,611</b>
<b>Total Disposition</b> .....	<b>45,494</b>	<b>44,827</b>	<b>45,615</b>	<b>45,428</b>	<b>45,666</b>	<b>46,523</b>	<b>46,038</b>	<b>48,127</b>
<b>Net Trade Index (ratio)<sup>2</sup></b> .....	<b>3.27</b>	<b>2.93</b>	<b>2.90</b>	<b>2.60</b>	<b>2.54</b>	<b>2.42</b>	<b>2.44</b>	<b>2.47</b>

<sup>1</sup> Net Interstate Trade = Total Supply - (Total Electric Industry Retail Sales + Direct Use + Total International Exports (if applies) + Estimated Losses).

<sup>2</sup> Net Trade Index is the sum of Total Supply / (Total Disposition - Net Interstate Trade).

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. Beginning with publication year 2010, Total disposition has been reorganized to include Net Interstate Trade. Therefore, Total Disposition equals Total Supply.

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. 2010 Summary Statistics**

Item	Value	Highest	Lowest
<b>United States</b>			
<b>Primary Energy Source</b> .....	<b>Coal</b>		
<b>Net Summer Capacity (megawatts)</b> .....	<b>1,039,062</b>	<b>Texas</b>	<b>District of Columbia</b>
Electric Utilities .....	602,076	Florida	Rhode Island
Independent Power Producers & Combined Heat and Power.....	436,986	Texas	Alaska
<b>Net Generation (megawatthours)</b> .....	<b>4,125,059,899</b>	<b>Texas</b>	<b>District of Columbia</b>
Electric Utilities .....	2,471,632,103	Florida	New Jersey
Independent Power Producers & Combined Heat and Power.....	1,653,427,796	Texas	District of Columbia
<b>Emissions (thousand metric tons)</b> .....			
Sulfur Dioxide .....	5,400	Ohio	Vermont
Nitrogen Oxide .....	2,491	Texas	District of Columbia
Carbon Dioxide.....	2,388,596	Texas	Vermont
Sulfur Dioxide (lbs/MWh) .....	2.9	Ohio	Vermont
Nitrogen Oxide (lbs/MWh) .....	1.3	Alaska	Vermont
Carbon Dioxide (lbs/MWh).....	1,277	District of Columbia	Vermont
<b>Total Retail Sales (megawatthours)</b> .....	<b>3,754,486,282</b>	<b>Texas</b>	<b>Vermont</b>
Full Service Provider Sales (megawatthours) .....	3,375,208,829	Texas	Maine
Energy-Only Provider Sales (megawatthours).....	379,277,453	Illinois	Nevada
<b>Direct Use (megawatthours)</b> .....	<b>134,553,984</b>	<b>Texas</b>	<b>District of Columbia</b>
<b>Average Retail Price (cents/kWh)</b> .....	<b>9.83</b>	<b>Hawaii</b>	<b>Wyoming</b>

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, 2010**

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
<b>United States</b>			
1. Grand Coulee.....	Hydroelectric	U S Bureau of Reclamation	7,079
2. Palo Verde .....	Nuclear	Arizona Public Service Co	3,937
3. Martin .....	Gas	Florida Power & Light Co	3,695
4. W A Parish.....	Coal	NRG Texas Power LLC	3,664
5. Scherer .....	Coal	Georgia Power Co	3,400
6. Turkey Point .....	Nuclear	Florida Power & Light Co	3,334
7. Browns Ferry .....	Nuclear	Tennessee Valley Authority	3,309
8. Bowen.....	Coal	Georgia Power Co	3,234
9. Crystal River.....	Coal	Progress Energy Florida Inc	3,151
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, 2010**  
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
<b>United States</b>						
1. Florida Power & Light Co.....	Investor-Owned	105,003,376	56,583,308	45,194,918	3,143,476	81,674
2. Georgia Power Co.....	Investor-Owned	87,160,371	29,433,085	34,345,187	23,209,403	172,696
3. Pacific Gas & Electric Co.....	Investor-Owned	84,045,146	30,744,336	38,885,857	14,414,953	-
4. Virginia Electric & Power Co.....	Investor-Owned	81,225,989	32,538,497	39,986,322	8,512,201	188,969
5. Duke Energy Carolinas, LLC.....	Investor-Owned	79,553,460	30,374,862	28,431,959	20,739,589	7,050
Total Sales, Top Five Providers.....		436,988,342	179,674,088	186,844,243	70,019,622	450,389
Percent of Total U.S. Sales.....		12	12	14	7	6

- (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, 2000 and 2004 Through 2010**  
(Megawatts)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>United States</b>										
<b>Electric Utilities.....</b>	<b>604,319</b>	<b>550,550</b>	<b>556,235</b>	<b>567,523</b>	<b>571,200</b>	<b>584,908</b>	<b>596,769</b>	<b>602,076</b>	<b>74.4</b>	<b>57.9</b>
Coal.....	260,990	235,976	229,705	230,644	231,289	231,857	234,397	235,707	32.2	22.7
Petroleum.....	41,032	31,415	30,867	30,419	29,115	30,657	30,174	28,972	5.1	2.8
Natural Gas.....	123,665	131,734	147,752	157,742	162,756	173,106	180,571	184,231	15.2	17.7
Other Gases <sup>1</sup> .....	57	58	-	104	104	-	-	539	*	0.1
Nuclear.....	85,968	60,651	56,564	56,143	54,211	54,376	54,355	54,369	10.6	5.2
Hydroelectric.....	73,738	71,696	71,568	71,840	72,186	72,142	72,690	72,974	9.1	7.0
Other Renewables <sup>2</sup> .....	837	960	1,545	2,291	2,806	4,066	5,614	6,316	0.1	0.6
Pumped Storage.....	18,020	18,048	18,195	18,301	18,693	18,664	18,930	18,969	2.2	1.8
Other <sup>3</sup> .....	13	13	39	39	39	39	39	-	*	-
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>207,400</b>	<b>412,392</b>	<b>421,785</b>	<b>418,692</b>	<b>423,688</b>	<b>425,263</b>	<b>428,631</b>	<b>436,986</b>	<b>25.6</b>	<b>42.1</b>
Coal.....	54,124	77,044	83,675	82,312	81,449	81,464	79,898	81,093	6.7	7.8
Petroleum.....	20,805	27,704	27,681	27,679	26,952	26,788	26,606	26,675	2.6	2.6
Natural Gas.....	95,925	239,277	235,309	230,552	230,120	224,354	220,701	222,798	11.8	21.4
Other Gases <sup>1</sup> .....	2,285	2,238	2,063	2,152	2,209	1,995	1,932	2,161	0.3	0.2
Nuclear.....	11,892	38,978	43,424	44,190	46,055	46,379	46,649	46,798	1.5	4.5
Hydroelectric.....	5,621	5,945	5,973	5,981	5,698	5,788	5,828	5,851	0.7	0.6
Other Renewables <sup>2</sup> .....	14,735	17,756	19,660	21,822	27,263	34,400	42,938	47,495	1.8	4.6
Pumped Storage.....	1,502	2,717	3,152	3,160	3,193	3,193	3,230	3,230	0.2	0.3
Other <sup>3</sup> .....	510	733	848	843	749	903	849	884	0.1	0.1
<b>Total Electric Industry.....</b>	<b>811,719</b>	<b>962,942</b>	<b>978,020</b>	<b>986,215</b>	<b>994,888</b>	<b>1,010,171</b>	<b>1,025,400</b>	<b>1,039,062</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	315,114	313,020	313,380	312,956	312,738	313,322	314,294	316,800	38.8	30.5
Petroleum.....	61,837	59,119	58,548	58,097	56,068	57,445	56,781	55,647	7.6	5.4
Natural Gas.....	219,590	371,011	383,061	388,294	392,876	397,460	401,272	407,028	27.1	39.2
Other Gases <sup>1</sup> .....	2,342	2,296	2,063	2,256	2,313	1,995	1,932	2,700	0.3	0.3
Nuclear.....	97,860	99,628	99,988	100,334	100,266	100,755	101,004	101,167	12.1	9.7
Hydroelectric.....	79,359	77,641	77,541	77,821	77,885	77,930	78,518	78,825	9.8	7.6
Other Renewables <sup>2</sup> .....	15,572	18,717	21,205	24,113	30,069	38,466	48,552	53,811	1.9	5.2
Pumped Storage.....	19,522	20,764	21,347	21,461	21,886	21,858	22,160	22,199	2.4	2.1
Other <sup>3</sup> .....	523	746	887	882	788	942	888	884	0.1	0.1

<sup>1</sup> Other gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

<sup>2</sup> Other Renewables includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>3</sup> Other includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

\* = 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, 2000 and 2004 Through 2010**  
(Megawatthours)

Energy Source	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>United States</b>										
<b>Electric Utilities.....</b>	<b>3,015,383,376</b>	<b>2,505,231,152</b>	<b>2,474,845,558</b>	<b>2,483,655,548</b>	<b>2,504,130,899</b>	<b>2,475,366,697</b>	<b>2,372,775,997</b>	<b>2,471,632,103</b>	<b>79.3</b>	<b>59.9</b>
Coal.....	1,696,619,307	1,513,640,806	1,484,855,188	1,471,421,060	1,490,984,698	1,466,395,192	1,322,092,036	1,378,028,414	44.6	33.4
Petroleum.....	72,179,917	73,693,695	69,722,196	40,902,849	40,719,414	28,123,785	25,216,814	26,064,909	1.9	0.6
Natural Gas.....	290,715,178	199,662,043	238,203,738	282,088,323	313,785,128	320,189,965	349,166,308	392,615,875	7.6	9.5
Other Gases <sup>1</sup> .....	-	374,012	9,810	30,300	141,031	45,941	96,019	52,202	-	*
Nuclear.....	705,432,806	475,682,277	436,296,037	425,341,428	427,555,339	424,256,336	417,275,115	424,842,642	18.6	10.3
Hydroelectric.....	253,154,717	245,545,963	245,553,417	261,863,602	226,733,688	229,644,880	247,197,556	236,104,161	6.7	5.7
Other Renewables <sup>2</sup> .....	2,241,015	3,691,830	4,945,386	6,588,379	8,953,385	11,307,993	14,617,484	17,927,336	0.1	0.4
Pumped Storage.....	-4,959,564	-7,526,206	-5,383,451	-5,280,767	-5,327,595	-5,142,691	-3,368,583	-4,465,776	-0.1	-0.1
Other <sup>3</sup> .....	-	466,733	643,237	700,374	585,811	545,295	483,248	462,341	-	*
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>786,721,667</b>	<b>1,465,324,111</b>	<b>1,580,577,191</b>	<b>1,581,046,679</b>	<b>1,652,613,825</b>	<b>1,644,021,063</b>	<b>1,577,554,930</b>	<b>1,653,427,796</b>	<b>20.7</b>	<b>40.1</b>
Coal.....	269,645,289	464,659,744	528,017,858	519,090,075	525,470,885	519,406,055	433,812,217	469,261,864	7.1	11.4
Petroleum.....	39,041,048	47,451,362	52,502,821	23,263,565	25,019,564	18,118,827	13,719,700	10,996,105	1.0	0.3
Natural Gas.....	310,322,981	510,437,974	522,756,516	534,352,447	582,804,663	562,790,634	571,812,372	595,081,359	8.2	14.4
Other Gases <sup>1</sup> .....	13,954,758	14,878,419	13,454,334	14,146,508	13,312,323	11,660,934	10,536,088	11,260,585	0.4	0.3
Nuclear.....	48,460,134	312,846,110	345,690,328	361,877,208	378,869,414	381,952,099	381,579,470	382,125,659	1.3	9.3
Hydroelectric.....	22,417,880	22,871,346	24,767,838	27,382,814	20,776,286	25,186,505	26,247,538	24,098,909	0.6	0.6
Other Renewables <sup>2</sup> .....	78,664,959	79,375,493	82,384,012	89,937,113	96,284,126	114,793,010	129,661,220	149,245,671	2.1	3.6
Pumped Storage.....	-579,296	-962,004	-1,174,337	-1,277,075	-1,568,757	-1,145,371	-1,258,762	-1,035,356	*	*
Other <sup>3</sup> .....	4,793,914	13,765,668	12,177,822	12,274,025	11,645,320	11,258,369	11,445,086	12,393,001	0.1	0.3
<b>Total Electric Industry.....</b>	<b>3,802,105,043</b>	<b>3,970,555,263</b>	<b>4,055,422,750</b>	<b>4,064,702,227</b>	<b>4,156,744,724</b>	<b>4,119,387,760</b>	<b>3,950,330,926</b>	<b>4,125,059,899</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	1,966,264,596	1,978,300,549	2,012,873,046	1,990,511,135	2,016,455,584	1,985,801,247	1,755,904,253	1,847,290,279	51.7	44.8
Petroleum.....	111,220,965	121,145,057	122,225,017	64,166,414	65,738,978	46,242,612	38,936,515	37,061,013	2.9	0.9
Natural Gas.....	601,038,159	710,100,017	760,960,254	816,440,770	896,589,791	882,980,599	920,978,681	987,697,234	15.8	23.9
Other Gases <sup>1</sup> .....	13,954,758	15,252,431	13,464,144	14,176,808	13,453,354	11,706,876	10,632,107	11,312,787	0.4	0.3
Nuclear.....	753,892,940	788,528,387	781,986,365	787,218,636	806,424,753	806,208,435	798,854,585	806,968,301	19.8	19.6
Hydroelectric.....	275,572,597	268,417,308	270,321,255	289,246,416	247,509,974	254,831,385	273,445,094	260,203,069	7.2	6.3
Other Renewables <sup>2</sup> .....	80,905,974	83,067,323	87,329,398	96,525,493	105,237,511	126,101,003	144,278,703	167,173,007	2.1	4.1
Pumped Storage.....	-5,538,860	-8,488,210	-6,557,788	-6,557,842	-6,896,352	-6,288,062	-4,627,345	-5,501,132	-0.1	-0.1
Other <sup>3</sup> .....	4,793,914	14,232,402	12,821,059	12,974,399	12,231,131	11,803,665	11,928,334	12,855,342	0.1	0.3

<sup>1</sup> Other gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

<sup>2</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

<sup>3</sup> Other includes non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

\* = 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.

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

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, 2000 and 2004 Through 2010**

Fuel, Quality	2000	2004	2005	2006	2007	2008	2009	2010
<b>United States</b>								
Coal (cents per million Btu) .....	120	136	154	169	177	207	221	227
Average heat value (Btu per pound).....	10,115	10,074	10,107	10,063	10,028	9,947	9,902	9,843
Average sulfur Content (percent) .....	0.93	0.97	0.98	0.97	0.96	0.97	1.01	1.04
Petroleum (cents per million Btu) <sup>1</sup> .....	418	429	644	623	717	1,087	702	954
Average heat value (Btu per gallon).....	149,857	147,286	146,481	143,883	144,545	142,205	141,321	140,598
Average sulfur Content (percent) .....	1.33	1.66	1.61	2.31	2.10	2.21	2.14	2.20
Natural Gas (cents per million Btu).....	430	596	821	694	711	902	474	509
Average heat value (Btu per cubic foot).....	1,020	1,027	1,028	1,027	1,027	1,027	1,025	1,022

<sup>1</sup> 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, 2000 and 2004 Through 2010**  
(Thousand Metric Tons)

Emission Type	2000	2004	2005	2006	2007	2008	2009	2010
<b>United States</b>								
<b>Sulfur Dioxide .....</b>								
Coal.....	10,729	9,437	9,499	8,867	8,389	7,351	5,535	4,961
Petroleum.....	933	633	587	427	422	250	210	217
Natural Gas.....	1	2	2	2	3	3	2	3
Other Gases.....	*	*	*	*	*	*	*	1
Other Renewables <sup>1</sup> .....	246	222	235	213	212	212	210	207
Other <sup>2</sup> .....	54	15	16	14	15	13	13	12
Total.....	11,963	10,309	10,340	9,524	9,042	7,830	5,970	5,400
<b>Nitrogen Oxide .....</b>								
Coal.....	4,370	3,286	3,135	2,996	2,870	2,680	1,769	1,843
Petroleum.....	404	225	221	164	157	75	66	63
Natural Gas.....	614	416	383	399	382	351	336	349
Other Gases.....	23	31	33	45	44	23	20	21
Other Renewables <sup>1</sup> .....	157	131	135	140	141	153	158	169
Other <sup>2</sup> .....	70	55	53	55	56	48	48	46
Total.....	5,638	4,143	3,961	3,799	3,650	3,330	2,395	2,491
<b>Carbon Dioxide .....</b>								
Coal.....	1,986,100	1,989,580	2,028,614	2,001,085	2,029,804	2,001,806	1,781,278	1,873,813
Petroleum.....	108,407	115,726	117,086	67,988	67,769	47,855	41,474	38,793
Natural Gas.....	363,526	367,112	383,461	404,278	434,536	419,599	432,206	461,723
Other Gases.....	143	86	29	18	21	16	17	26
Geothermal.....	362	381	377	374	376	381	386	391
Other Renewables <sup>1</sup> .....	-	-	-	-	-	-	-	6,771
Other <sup>2</sup> .....	12,297	14,097	14,270	15,174	14,527	14,354	14,146	7,078
Total.....	2,470,834	2,486,982	2,543,838	2,488,918	2,547,032	2,484,012	2,269,508	2,388,596

<sup>1</sup> Other Renewables includes biogenic municipal solid waste, wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, and other biomass.

<sup>2</sup> Other includes non-biogenic municipal solid waste, tire-derived fuels, and miscellaneous technologies.

\* = 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.

Note: CO2 emissions for the historical years 1998 - 2008 have been revised due to changes in emission factors.

Sources: Calculations made by the Electric Power Systems and Reliability Team; Office of Electricity, Renewables, and Uranium Statistics; U. S. Energy Information Administration.

**Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 2000 and 2004 Through 2010**

Sector	2000	2004	2005	2006	2007	2008	2009	2010	Percentage Share	
									2000	2010
<b>United States</b>										
<b>Retail Sales (thousand megawatthours) .....</b>										
Residential .....	1,192,446	1,291,982	1,359,227	1,351,520	1,392,241	1,379,981	1,364,474	1,445,708	34.9	38.5
Commercial .....	1,055,232	1,230,425	1,275,079	1,299,744	1,336,315	1,335,981	1,307,168	1,330,199	30.8	35.4
Industrial .....	1,064,239	1,017,850	1,019,156	1,011,298	1,027,832	1,009,300	917,442	970,873	31.1	25.9
Other .....	109,496	NA	NA	NA	NA	NA	NA	NA	3.2	--
Transportation.....	NA	7,224	7,506	7,358	8,173	7,700	7,781	7,712	--	0.2
All Sectors .....	3,421,414	3,547,479	3,660,969	3,669,919	3,764,561	3,732,962	3,596,865	3,754,493	100.0	100.0
<b>Retail Revenue (million dollars).....</b>										
Residential .....	98,209	115,577	128,393	140,582	148,295	155,433	157,008	166,782	42.1	45.2
Commercial .....	78,405	100,546	110,522	122,914	128,903	138,469	132,940	135,559	33.6	36.7
Industrial .....	49,369	53,477	58,445	62,308	65,712	68,920	62,504	65,750	21.2	17.8
Other .....	7,179	NA	NA	NA	NA	NA	NA	NA	3.1	--
Transportation.....	NA	519	643	702	792	827	828	815	--	0.2
All Sectors .....	233,163	270,119	298,003	326,506	343,703	363,650	353,280	368,906	100.0	100.0
<b>Average Retail Prices (cents/kWh) .....</b>										
Residential .....	8.24	8.95	9.45	10.40	10.65	11.26	11.51	11.54	--	--
Commercial .....	7.43	8.17	8.67	9.46	9.65	10.36	10.17	10.19	--	--
Industrial .....	4.64	5.25	5.73	6.16	6.39	6.83	6.81	6.77	--	--
Other .....	6.56	NA	NA	NA	NA	NA	NA	NA	--	--
Transportation.....	NA	7.18	8.57	9.54	9.70	10.74	10.65	10.57	--	--
All Sectors .....	6.81	7.61	8.14	8.90	9.13	9.74	9.82	9.83	--	--

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, 2010**

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Number of Entities.....	239	1,942	6	815	68	96	67	3,233
Number of Retail Customers .....	99,469,781	20,940,561	40,827	18,497,708	397	5,190,979	NA	144,140,253
Retail Sales (thousand megawatthours).....	2,351,888	557,452	43,710	411,939	10,219	379,277	NA	3,754,486
Percentage of Retail Sales .....	62.64	14.85	1.16	10.97	0.27	10.10	--	100.00
Revenue from Retail Sales (million dollars) .....	231,765	52,254	1,798	39,788	706	29,318	13,276	368,905
Percentage of Revenue .....	62.83	14.16	0.49	10.79	0.19	7.95	3.60	100.00
Average Retail Price (cents/kWh).....	9.85	9.37	4.11	9.66	6.91	7.73	3.50	9.83

kWh = Kilowatthours.

NA = Not available.

-- = Not applicable.

Notes: Data are shown for All Sectors. Full Service Providers sell bundled electricity services (e.g., both energy and delivery) to end users. Full Service Providers may purchase electricity from others (such as independent Power Producers or other full service providers) prior to delivery. Other Providers sell either the energy or the delivery services, but not both. Sales volumes and customer counts shown for Other Providers refer to delivered electricity, which is a joint activity of both energy and delivery providers; for clarity, they are reported only in the Energy column in this table. The revenue shown under Other Providers represents the revenue realized from the sale of the energy and the delivery services distinctly. "Public" entities include municipalities, State power agencies, and municipal marketing authorities. Federal entities are either owned or financed by the Federal Government. "Cooperatives" are electric utilities legally established to be owned by and operated for the benefit of those using its services. The cooperative will generate, transmit and/or distribute supplies of electric energy to a specified area not being serviced by another utility. "Non-utility" sales represent direct electricity transactions from independent generators to end use consumers. Totals may not equal sum of components because of independent rounding.

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

**Table 10. Supply and Disposition of Electricity, 2000 and 2004 Through 2010**  
(Million Kilowatthours)

Category	2000	2004	2005	2006	2007	2008	2009	2010
<b>United States</b>								
<b>Supply</b> .....								
<b>Generation</b> .....								
Electric Utilities .....	3,015,383	2,505,231	2,474,846	2,483,656	2,504,131	2,475,367	2,372,776	2,471,632
Independent Power Producers .....	457,540	1,118,870	1,246,971	1,259,062	1,323,856	1,332,068	1,277,916	1,338,712
Combined Heat and Power, Electric .....	164,606	184,259	180,375	165,359	177,356	166,915	159,146	162,042
<b>Electric Power Sector Generation Subtotal</b> .....	<b>3,637,529</b>	<b>3,808,360</b>	<b>3,902,192</b>	<b>3,908,077</b>	<b>4,005,343</b>	<b>3,974,349</b>	<b>3,809,837</b>	<b>3,972,386</b>
Combined Heat and Power, Commercial .....	7,903	8,270	8,492	8,371	8,273	7,926	8,165	8,592
Combined Heat and Power, Industrial.....	156,673	153,925	144,739	148,254	143,128	137,113	132,329	144,082
<b>Industrial and Commercial Generation Subtotal</b> .....	<b>164,576</b>	<b>162,195</b>	<b>153,231</b>	<b>156,625</b>	<b>151,401</b>	<b>145,039</b>	<b>140,494</b>	<b>152,674</b>
<b>Total Net Generation</b> .....	<b>3,802,105</b>	<b>3,970,555</b>	<b>4,055,423</b>	<b>4,064,702</b>	<b>4,156,745</b>	<b>4,119,388</b>	<b>3,950,331</b>	<b>4,125,060</b>
<b>Total International Imports</b> .....	<b>48,592</b>	<b>34,210</b>	<b>43,929</b>	<b>42,691</b>	<b>51,396</b>	<b>57,019</b>	<b>52,191</b>	<b>45,083</b>
<b>Total Supply</b> .....	<b>3,850,697</b>	<b>4,004,765</b>	<b>4,099,352</b>	<b>4,107,394</b>	<b>4,208,140</b>	<b>4,176,407</b>	<b>4,002,522</b>	<b>4,170,143</b>
<b>Disposition</b> .....								
<b>Retail Sales</b> .....								
Full Service Providers .....	3,309,550	3,317,635	3,412,721	3,438,337	3,468,018	3,433,681	3,288,951	3,364,990
Energy-Only Providers.....	111,864	222,027	237,055	219,185	282,538	285,714	295,226	379,277
Facility Direct Retail Sales <sup>1</sup> .....	-	7,817	11,193	12,397	14,004	13,567	12,689	10,226
<b>Total Electric Industry Retail Sales</b> .....	<b>3,421,414</b>	<b>3,547,479</b>	<b>3,660,969</b>	<b>3,669,919</b>	<b>3,764,561</b>	<b>3,732,962</b>	<b>3,596,865</b>	<b>3,754,493</b>
<b>Direct Use</b> .....	<b>170,943</b>	<b>168,470</b>	<b>150,016</b>	<b>146,927</b>	<b>125,670</b>	<b>132,197</b>	<b>126,938</b>	<b>134,554</b>
<b>Total International Exports</b> .....	<b>14,829</b>	<b>22,898</b>	<b>19,151</b>	<b>24,271</b>	<b>20,144</b>	<b>24,198</b>	<b>18,138</b>	<b>19,106</b>
<b>Estimated Losses</b> .....	<b>243,511</b>	<b>265,918</b>	<b>269,217</b>	<b>266,277</b>	<b>297,766</b>	<b>287,050</b>	<b>260,581</b>	<b>261,990</b>
<b>Total Disposition</b> .....	<b>3,850,697</b>	<b>4,004,765</b>	<b>4,099,352</b>	<b>4,107,394</b>	<b>4,208,140</b>	<b>4,176,407</b>	<b>4,002,522</b>	<b>4,170,143</b>

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

- (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. Beginning with publication year 2010, Total disposition has been reorganized to include Net Interstate Trade. Therefore, Total Disposition equals Total Supply.

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, 2010**

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	32,417	9	152,150,512	6	218	10	66	14	79,375	9
Alaska.....	Gas	2,067	48	6,759,576	48	3	46	16	39	4,125	46
Arizona.....	Coal	26,392	15	111,750,957	12	33	33	57	17	55,683	15
Arkansas.....	Coal	15,981	25	61,000,185	25	74	22	40	29	34,018	28
California.....	Gas	67,328	2	204,125,596	4	3	47	80	9	55,406	16
Colorado.....	Coal	13,777	30	50,720,792	30	45	29	55	20	40,499	24
Connecticut.....	Nuclear	8,284	35	33,349,623	40	2	48	7	45	9,201	41
Delaware.....	Gas	3,389	46	5,627,645	50	13	41	5	47	4,187	45
District of Columbia.....	Petroleum	790	51	199,858	51	1	49	*	51	191	50
Florida.....	Gas	59,147	3	229,095,935	3	160	11	101	5	123,811	2
Georgia.....	Coal	36,636	7	137,576,941	8	265	5	79	10	82,592	8
Hawaii.....	Petroleum	2,536	47	10,836,036	45	17	36	21	36	8,287	42
Idaho.....	Hydroelectric	3,990	44	12,024,564	44	7	45	4	48	1,213	49
Illinois.....	Nuclear	44,127	5	201,351,872	5	232	9	83	8	103,128	6
Indiana.....	Coal	27,638	13	125,180,739	11	385	4	120	4	116,283	5
Iowa.....	Coal	14,592	28	57,508,721	26	108	18	50	22	47,211	20
Kansas.....	Coal	12,543	32	47,923,762	32	41	30	46	26	36,321	26
Kentucky.....	Coal	20,453	21	98,217,658	17	249	7	85	7	93,160	7
Louisiana.....	Gas	26,744	14	102,884,940	16	126	15	75	11	58,706	14
Maine.....	Gas	4,430	42	17,018,660	43	12	42	8	44	4,948	44
Maryland.....	Coal	12,516	33	43,607,264	33	45	28	25	34	26,369	33
Massachusetts.....	Gas	13,697	31	42,804,824	34	35	31	17	38	20,291	36
Michigan.....	Coal	29,831	11	111,551,371	13	254	6	89	6	74,480	11
Minnesota.....	Coal	14,715	27	53,670,227	29	57	27	44	27	32,946	29
Mississippi.....	Gas	15,691	26	54,487,260	28	59	26	31	32	26,845	32
Missouri.....	Coal	21,739	18	92,312,989	18	233	8	56	18	78,815	10
Montana.....	Coal	5,866	41	29,791,181	41	22	35	21	35	20,370	35
Nebraska.....	Coal	7,857	38	36,630,006	36	65	24	40	30	24,461	34
Nevada.....	Gas	11,421	34	35,146,248	38	7	44	15	40	17,020	38
New Hampshire.....	Nuclear	4,180	43	22,195,912	42	34	32	6	46	5,551	43
New Jersey.....	Nuclear	18,424	22	65,682,494	23	14	40	15	41	19,160	37
New Mexico.....	Coal	8,130	36	36,251,542	37	15	38	56	19	29,379	31
New York.....	Gas	39,357	6	136,961,654	9	62	25	44	28	41,584	22
North Carolina.....	Coal	27,674	12	128,678,483	10	131	14	57	16	73,241	13
North Dakota.....	Coal	6,188	40	34,739,542	39	116	17	52	21	31,064	30
Ohio.....	Coal	33,071	8	143,598,337	7	610	1	122	3	121,964	4
Oklahoma.....	Gas	21,022	20	72,250,733	22	85	21	71	12	49,536	17
Oregon.....	Hydroelectric	14,261	29	55,126,999	27	16	37	15	42	10,094	40
Pennsylvania.....	Coal	45,575	4	229,752,306	2	387	3	136	2	122,830	3
Rhode Island.....	Gas	1,782	49	7,738,719	47	*	50	3	49	3,217	48
South Carolina.....	Nuclear	23,982	17	104,153,133	14	106	19	30	33	41,364	23
South Dakota.....	Hydroelectric	3,623	45	10,049,636	46	12	43	12	43	3,611	47
Tennessee.....	Coal	21,417	19	82,348,625	19	138	13	33	31	48,196	18
Texas.....	Gas	108,258	1	411,695,046	1	430	2	204	1	251,409	1
Utah.....	Coal	7,497	39	42,249,355	35	25	34	68	13	35,519	27
Vermont.....	Nuclear	1,128	50	6,619,990	49	*	51	1	50	8	51
Virginia.....	Nuclear	24,109	16	72,966,456	21	120	16	49	24	39,719	25
Washington.....	Hydroelectric	30,478	10	103,472,729	15	14	39	21	37	13,984	39
West Virginia.....	Coal	16,495	24	80,788,947	20	105	20	49	23	74,283	12
Wisconsin.....	Coal	17,836	23	64,314,067	24	145	12	49	25	47,238	19
Wyoming.....	Coal	7,986	37	48,119,254	31	67	23	61	15	45,703	21
United States.....	Coal	1,039,062	-	4,125,059,899	-	5,400	-	2,491	-	2,388,596	-

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, 2010 (Continued)**

State	Total Retail Sales		Full Service Sales (including unregulated generators)		Other Providers		Direct Use		Average Retail Price, All Sectors	
	(MWh)	Rank	(MWh)	Rank	(MWh)	Rank	(MWh)	Rank	(cents/kWh)	Rank
Alabama.....	90,862,645	15	90,862,645	13	-	-	5,007,573	5	8.89	25
Alaska.....	6,247,038	50	6,247,038	47	-	-	342,426	37	14.76	5
Arizona.....	72,831,737	21	72,831,737	20	-	-	408,959	36	9.69	20
Arkansas.....	48,194,285	29	48,194,285	27	-	-	1,938,621	18	7.28	45
California.....	258,525,414	2	240,948,673	2	17,576,741	8	10,073,764	3	13.01	11
Colorado.....	52,917,786	27	52,917,786	24	-	-	43,359	46	9.15	22
Connecticut.....	30,391,766	35	13,714,958	40	16,676,808	9	611,350	29	17.39	2
Delaware.....	11,605,932	44	7,582,539	46	4,023,393	13	2,042	48	11.97	14
District of Columbia.....	11,876,995	43	3,388,490	50	8,488,505	12	0	50	13.35	9
Florida.....	231,209,614	3	231,209,614	3	-	-	4,882,462	6	10.58	15
Georgia.....	140,671,580	8	140,671,580	4	-	-	4,867,547	7	8.87	26
Hawaii.....	10,016,509	48	10,016,509	44	-	-	471,529	33	25.12	1
Idaho.....	22,797,668	38	22,797,668	37	-	-	552,273	31	6.54	50
Illinois.....	144,760,674	6	77,890,532	19	66,870,142	1	3,715,097	9	9.13	24
Indiana.....	105,994,376	11	105,994,376	8	-	-	7,997,274	4	7.67	39
Iowa.....	45,445,269	31	45,445,269	28	-	-	2,283,033	14	7.66	40
Kansas.....	40,420,675	32	40,420,675	30	-	-	0	50	8.35	34
Kentucky.....	93,569,426	14	93,569,426	12	-	-	458,870	34	6.73	48
Louisiana.....	85,079,692	18	85,079,692	16	-	-	20,489,652	2	7.80	37
Maine.....	11,531,568	45	151,588	51	11,379,980	10	3,428,666	10	12.84	12
Maryland.....	65,335,498	24	36,082,473	31	29,253,025	5	997,202	27	12.70	13
Massachusetts.....	57,123,422	26	31,822,942	34	25,300,480	7	602,178	30	14.26	7
Michigan.....	103,649,219	12	94,565,247	11	9,083,972	11	1,899,233	19	9.88	17
Minnesota.....	67,799,706	23	67,799,706	22	-	-	1,071,880	24	8.41	32
Mississippi.....	49,687,166	28	49,687,166	26	-	-	1,797,858	20	8.59	30
Missouri.....	86,085,117	17	86,085,117	15	-	-	256,411	38	7.78	38
Montana.....	13,423,138	41	10,803,422	43	2,619,716	15	70,512	43	7.88	35
Nebraska.....	29,849,460	36	29,849,460	35	-	-	227,081	39	7.52	43
Nevada.....	33,772,595	33	32,348,879	32	1,423,716	19	84,101	42	9.73	19
New Hampshire.....	10,890,074	47	7,712,938	45	3,177,136	14	66,936	44	14.84	4
New Jersey.....	79,179,427	20	50,482,035	25	28,697,392	6	963,418	28	14.68	6
New Mexico.....	22,428,344	39	22,428,344	38	-	-	108,664	41	8.40	33
New York.....	144,623,573	7	79,119,769	18	65,503,804	2	1,654,901	21	16.41	3
North Carolina.....	136,414,947	9	136,414,947	5	-	-	2,368,925	13	8.67	28
North Dakota.....	12,956,263	42	12,956,263	41	-	-	192,272	40	7.11	46
Ohio.....	154,145,418	4	105,329,797	9	48,815,621	3	1,128,580	22	9.14	23
Oklahoma.....	57,845,980	25	57,845,980	23	-	-	1,077,701	23	7.59	41
Oregon.....	46,025,945	30	44,525,865	29	1,500,080	18	530,183	32	7.56	42
Pennsylvania.....	148,963,968	5	114,787,417	6	34,176,551	4	2,783,710	11	10.31	16
Rhode Island.....	7,799,227	49	5,351,848	49	2,447,379	16	53,446	45	14.08	8
South Carolina.....	82,479,293	19	82,479,293	17	-	-	2,106,674	16	8.49	31
South Dakota.....	11,356,149	46	11,356,149	42	-	-	467	49	7.82	36
Tennessee.....	103,521,537	13	103,521,537	10	-	-	2,431,053	12	8.61	29
Texas.....	358,457,550	1	358,457,550	1	-	-	33,873,361	1	9.34	21
Utah.....	28,044,001	37	28,044,001	36	-	-	3,887,515	8	6.94	47
Vermont.....	5,594,833	51	5,594,833	48	-	-	19,806	47	13.24	10
Virginia.....	113,806,135	10	113,806,135	7	-	-	1,989,510	17	8.69	27
Washington.....	90,379,970	16	88,116,958	14	2,263,012	17	1,043,383	25	6.66	49
West Virginia.....	32,031,803	34	32,031,803	33	-	-	445,681	35	7.45	44
Wisconsin.....	68,752,417	22	68,752,417	21	-	-	2,246,656	15	9.78	18
Wyoming.....	17,113,458	40	17,113,458	39	-	-	1,000,189	26	6.20	51
United States.....	3,754,486,282	-	3,375,208,829	-	379,277,453	-	134,553,984	-	9.83	-

MWh = Megawatthours.  
kWh = Kilowatthours.  
- (dash) = Data not available.