

Table 1. 2006 Summary Statistics

Item	Value	Highest	Lowest
United States			
Primary Energy Source	Coal		
Net Summer Capacity (megawatts)	986,215	Texas	District of Columbia
Electric Utilities	567,523	Florida	Rhode Island
Independent Power Producers & Combined Heat and Power.....	418,692	Texas	Nebraska
Net Generation (megawatthours)	4,064,702,227	Texas	District of Columbia
Electric Utilities	2,483,655,548	Florida	Maine
Independent Power Producers & Combined Heat and Power.....	1,581,046,679	Texas	Nebraska
Emissions (thousand metric tons)			
Sulfur Dioxide	9,524	Ohio	Vermont
Nitrogen Oxide	3,799	Texas	District of Columbia
Carbon Dioxide.....	2,459,800	Texas	Vermont
Sulfur Dioxide (lbs/MWh)	5.2	Ohio	Vermont
Nitrogen Oxide (lbs/MWh)	2.1	District of Columbia	Vermont
Carbon Dioxide (lbs/MWh).....	1,334	District of Columbia	Vermont
Total Retail Sales (megawatthours)	3,669,918,840	Texas	Vermont
Full Service Provider Sales (megawatthours)	3,450,734,102	Texas	Maine
Deregulated Sales (megawatthours)	219,184,738	New York	Virginia
Direct Use (megawatthours)	146,926,612	Texas	District of Columbia
Average Retail Price (cents/kWh)	8.90	Hawaii	Idaho

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capacity, 2006

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
United States			
1. Grand Coulee.....	Hydroelectric	U S Bureau of Reclamation	7,079
2. Palo Verde	Nuclear	Arizona Public Service Co	3,872
3. W A Parish.....	Coal	NRG Texas LLC	3,681
4. Martin	Gas	Florida Power & Light Co	3,657
5. Scherer	Coal	Georgia Power Co	3,405
6. Browns Ferry	Nuclear	Tennessee Valley Authority	3,297
7. Bowen.....	Coal	Georgia Power Co	3,254
8. Crystal River.....	Coal	Progress Energy Florida Inc	3,151
9. Gibson.....	Coal	Duke Energy Indiana Inc	3,131
10. Monroe.....	Coal	Detroit Edison Co	3,129

See footnotes at end of tables.

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

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
United States						
1. Florida Power & Light Co.....	Investor-Owned	103,652,914	54,567,510	44,955,896	4,035,750	93,758
2. Georgia Power Co.....	Investor-Owned	84,555,891	26,206,170	32,594,158	25,577,006	178,557
3. Southern California Edison Co.....	Investor-Owned	78,863,143	30,048,395	40,053,995	8,697,668	63,085
4. Pacific Gas & Electric Co.....	Investor-Owned	76,817,131	30,957,122	34,906,900	10,953,109	-
5. Duke Energy Carolinas, LLC.....	Investor-Owned	76,604,364	25,729,097	26,364,756	24,510,480	31
Total Sales, Top Five Providers.....		420,493,443	167,508,294	178,875,705	73,774,013	335,431
Percent of Total State Sales.....		11	12	14	7	5

See footnotes at end of tables.

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

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
United States										
Electric Utilities.....	690,465	706,111	549,920	561,074	547,249	550,550	556,235^R	567,523	94.1	57.5
Coal.....	299,781	300,569	244,451	244,056	236,473	235,976	229,705 ^R	230,644	40.8	23.4
Petroleum.....	76,390 ^R	64,451 ^R	38,456	33,876	32,570	31,415	30,867 ^R	30,419	10.4	3.1
Natural Gas.....	121,300 ^R	142,295 ^R	112,841	127,692	125,612	131,734	147,752 ^R	157,742	16.5	16.0
Other Gases.....	375	291	57	61	61	58	- ^R	104	0.1	*
Nuclear.....	99,624	99,515	63,060	63,202	60,964	60,651	56,564 ^R	56,143	13.6	5.7
Hydroelectric.....	71,423	75,274	72,968	73,391	72,827	71,696	71,568 ^R	71,840	9.7	7.3
Other Renewables.....	2,111	2,330	979	959 ^R	925	960	1,545 ^R	2,291	0.3	0.2
Pumped Storage.....	19,462	21,387	17,097	17,807	17,803	18,048	18,195 ^R	18,301	2.7	1.9
Other.....	*	-	13	-	13	13	39	39	*	*
Independent Power Producers and Combined Heat and Power.....	43,656	63,352	298,334	344,227	401,198	412,392	421,785^R	418,692	5.9	42.5
Coal.....	7,581	10,817	69,780	71,294	76,546	77,044	83,675 ^R	82,312	1.0	8.3
Petroleum.....	1,531	2,171	27,706	25,775	28,160	27,704	27,681 ^R	27,679	0.2	2.8
Natural Gas.....	19,548	32,186	139,992	184,820	229,829	239,277	235,309 ^R	230,552	2.7	23.4
Other Gases.....	1,266	1,370	1,614	1,947	1,933	2,238	2,063 ^R	2,152	0.2	0.2
Nuclear.....	-	-	35,099	35,455	38,244	38,978	43,424 ^R	44,190	-	4.5
Hydroelectric.....	2,500	3,288	5,948	5,965	5,867	5,945	5,973 ^R	5,981	0.3	0.6
Other Renewables.....	10,729	12,970	15,123 ^R	15,751 ^R	17,228 ^R	17,756 ^R	19,660 ^R	21,822	1.5	2.2
Pumped Storage.....	-	-	2,567	2,564	2,719	2,717	3,152 ^R	3,160	-	0.3
Other.....	501	550	506 ^R	686 ^R	671 ^R	733 ^R	848 ^R	843	0.1	0.1
Total Electric Industry.....	734,122	769,463	848,254	905,301	948,446	962,942	978,020	986,215	100.0	100.0
Coal.....	307,361	311,386	314,230	315,350	313,019	313,020	313,380	312,956	41.9	31.7
Petroleum.....	77,921 ^R	66,622 ^R	66,162	59,651	60,730	59,119	58,548	58,097	10.6	5.9
Natural Gas.....	140,849 ^R	174,482 ^R	252,832	312,512	355,442	371,011	383,061	388,294	19.2	39.4
Other Gases.....	1,641	1,661	1,670	2,008	1,994	2,296	2,063	2,256	0.2	0.2
Nuclear.....	99,624	99,515	98,159	98,657	99,209	99,628	99,988	100,334	13.6	10.2
Hydroelectric.....	73,923	78,562	78,916	79,356	78,694	77,641	77,541	77,821	10.1	7.9
Other Renewables.....	12,840	15,300	16,101 ^R	16,710 ^R	18,153 ^R	18,717 ^R	21,205 ^R	24,113	1.7	2.4
Pumped Storage.....	19,462	21,387	19,664	20,371	20,522	20,764	21,347	21,461	2.7	2.2
Other.....	501	550	519 ^R	686 ^R	684 ^R	746 ^R	887 ^R	882	0.1	0.1

See footnotes at end of tables.

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

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
United States										
Electric Utilities.....	2,808,151,009	2,994,528,592	2,629,945,673	2,549,457,170	2,462,280,615	2,505,231,152	2,474,845,558^R	2,483,655,548	92.4	61.1
Coal.....	1,559,605,707	1,652,914,466	1,560,145,542	1,514,669,950	1,500,281,112	1,513,640,806	1,484,855,188 ^R	1,471,421,060	51.3	36.2
Petroleum.....	117,016,961	60,844,256	78,907,846	59,124,871	69,930,457	73,693,695	69,722,196 ^R	40,902,849	3.9	1.0
Natural Gas.....	264,089,401	307,306,050	264,433,673	229,639,287	186,966,798	199,662,043	238,203,738 ^R	282,088,323	8.7	6.9
Other Gases.....	-	-	-	206,469	242,655	374,012	9,810	30,300	-	*
Nuclear.....	576,861,678	673,402,123	534,207,221	507,379,828	458,828,821	475,682,277	436,296,037 ^R	425,341,428	19.0	10.5
Hydroelectric.....	283,433,659	296,377,840	197,803,985	242,302,069	249,621,997	245,545,963	245,553,417 ^R	261,863,602	9.3	6.4
Other Renewables.....	10,651,344	6,408,988	1,665,739	3,088,677	3,421,334	3,691,830	4,945,386	6,588,379	0.4	0.2
Pumped Storage.....	-3,507,741	-2,725,131	-7,704,482	-7,433,807	-7,531,885	-7,526,206	-5,383,451 ^R	-5,280,767	-0.1	-0.1
Other.....	-	-	486,149	479,826	519,327	466,733	643,237	700,374	-	*
Independent Power Producers and Combined Heat and Power.....	229,837,268	358,958,770	1,106,697,980	1,308,995,082	1,420,904,589	1,465,324,110	1,580,577,191^R	1,581,046,679	7.6	38.9
Coal.....	34,405,772	56,512,002	343,810,401	418,460,404	473,455,638	464,979,413	528,323,650 ^R	519,505,031	1.1	12.8
Petroleum.....	9,604,181	13,709,809	45,972,376	35,442,523	49,475,184	47,077,229 ^R	52,799,757 ^R	23,461,025	0.3	0.6
Natural Gas.....	108,675,753	188,751,895	374,695,447	461,366,459	462,940,744	509,191,482 ^R	519,770,593 ^R	530,955,692	3.6	13.1
Other Gases.....	10,382,830	13,869,951	9,039,473	11,256,216	15,357,365	16,392,078	16,306,963 ^R	16,029,917	0.3	0.4
Nuclear.....	-	-	234,619,087	272,684,259	304,903,874	312,846,110	345,690,328 ^R	361,877,208	-	8.9
Hydroelectric.....	9,432,187	14,454,908	19,157,059	22,026,763	26,184,330	22,871,345	24,767,838 ^R	27,382,814	0.3	0.7
Other Renewables.....	53,720,882	67,556,397	69,102,907	76,020,495	76,065,455	78,911,762	82,267,354 ^R	89,835,004	1.8	2.2
Pumped Storage.....	-	-	-1,118,963	-1,309,121	-1,003,180	-962,004	-1,174,337 ^R	-1,277,075	-	*
Other.....	3,615,663	4,103,808	11,420,193	13,047,085	13,525,180	14,016,697	11,825,045	13,277,063	0.1	0.3
Total Electric Industry.....	3,037,988,277	3,353,487,362	3,736,643,653	3,858,452,252	3,883,185,204	3,970,555,262	4,055,422,750^R	4,064,702,227	100.0	100.0
Coal.....	1,594,011,479	1,709,426,468	1,903,955,943	1,933,130,354	1,973,736,750	1,978,620,219	2,013,178,838 ^R	1,990,926,091	52.5	49.0
Petroleum.....	126,621,142	74,554,065	124,880,222	94,567,394	119,405,641	120,770,924 ^R	122,521,953	64,363,874	4.2	1.6
Natural Gas.....	372,765,154	496,057,945	639,129,120	691,005,746	649,907,542	708,853,525 ^R	757,974,331	813,044,015	12.3	20.0
Other Gases.....	10,382,830	13,869,951	9,039,473	11,462,685	15,600,020	16,766,090	16,316,773 ^R	16,060,217	0.3	0.4
Nuclear.....	576,861,678	673,402,123	768,826,308	780,064,087	763,732,695	788,528,387	781,986,365	787,218,636	19.0	19.4
Hydroelectric.....	292,865,846	310,832,748	216,961,044	264,328,832	275,806,327	268,417,308	270,321,255 ^R	289,246,416	9.6	7.1
Other Renewables.....	64,372,226	73,965,385	70,768,646	79,109,172	79,486,789	82,603,592	87,212,740 ^R	96,423,384	2.1	2.4
Pumped Storage.....	-3,507,741	-2,725,131	-8,823,445	-8,742,928	-8,535,065	-8,488,210	-6,557,788	-6,557,842	-0.1	-0.2
Other.....	3,615,663	4,103,808	11,906,342	13,526,911	14,044,507	14,483,430	12,468,282	13,977,436	0.1	0.3

See footnotes at end of tables.

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

Fuel, Quality	1990	1995	2001	2002	2003	2004	2005	2006
United States								
Coal (cents per million Btu)	145	132	123	125	128	136	154	169
Average heat value (Btu per pound)	10,465	10,248	10,200	10,168	10,137	10,074	10,107	10,063
Average sulfur Content (percent)	1.35	1.08	0.89	0.94	0.97	0.97	0.98	0.97
Petroleum (cents per million Btu)	335	257	369	334	433	429	644	623
Average heat value (Btu per gallon)	149,536	149,371	147,857	147,902	147,086	147,286	146,481	143,883
Average sulfur Content (percent)	1.02	1.21	1.42	1.64	1.53	1.66	1.61	2.31
Natural Gas (cents per million Btu)	232	198	449	356	539	596	821	694
Average heat value (Btu per cubic foot)	1,027	1,019	1,020	1,025	1,030	1,027	1,028	1,027

See footnotes at end of tables.

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

Emission Type	1990	1995	2001	2002	2003	2004	2005	2006
United States								
Sulfur Dioxide								
Coal.....	14,281	11,006	9,905	9,786	9,688	9,437	9,499	8,867
Petroleum.....	937	613	1,002	773	717	633	587	427
Natural Gas.....	1	1	2	2	2	2	2	2
Other.....	243	275	265	320	239	237	251	227
Total.....	15,462	11,896	11,174	10,881	10,646	10,309	10,340	9,524
Nitrogen Oxide								
Coal.....	7,119	7,035	4,096	4,057	3,607	3,286	3,135	2,996
Petroleum.....	208	122	294	225	240	225	221	164
Natural Gas.....	513	599	631	625	453	416	383	399
Other.....	122	129	268	287	232	217	222	240
Total.....	7,961	7,885	5,290	5,194	4,532	4,143	3,961	3,799
Carbon Dioxide								
Coal.....	1,572,389	1,697,952	1,895,181	1,912,656	1,947,172	1,962,742	2,001,237	1,974,057
Petroleum.....	118,386	76,280	116,084	90,208	110,955	114,653	115,944	67,326
Natural Gas.....	232,682	297,108	365,311	377,056	343,394	365,205	381,927	403,024
Geothermal.....	380	326	349	369	367	377	374	371
Other Renewables.....	7,411	11,844	12,821	14,759	13,793	13,956	14,128	15,023
Total.....	1,931,248	2,083,509	2,389,745	2,395,048	2,415,680	2,456,934	2,513,609	2,459,800

See footnotes at end of tables.

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

Sector	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
United States										
Retail Sales (thousand megawatthours)										
Residential.....	924,019	1,042,501	1,201,607	1,265,180	1,275,824	1,291,982	1,359,227	1,351,520	34.1	36.8
Commercial.....	751,027	862,685	1,083,069	1,104,497	1,198,728	1,230,425	1,275,079	1,299,744	27.7	35.4
Industrial.....	945,522	1,012,693	996,609	990,238	1,012,373	1,017,850	1,019,156	1,011,298	34.9	27.6
Other.....	91,988	95,407	113,174	105,552	NA	NA	NA	NA	3.4	NA
Transportation.....	NA	NA	NA	NA	6,810	7,224	7,506	7,358	NA	0.2
All Sectors.....	2,712,555	3,013,287	3,394,458	3,465,466	3,493,734	3,547,479	3,660,969	3,669,919	100.0	100.0
Retail Revenue (million dollars).....										
Residential.....	72,378	87,610	103,158	106,834	111,249	115,577	128,393	140,582	40.6	43.1
Commercial.....	55,117	66,365	85,741	87,117	96,263	100,546	110,522	122,914	30.9	37.6
Industrial.....	44,857	47,175	50,293	48,336	51,741	53,477	58,445	62,308	25.2	19.1
Other.....	5,891	6,567	8,151	7,124	NA	NA	NA	NA	3.3	NA
Transportation.....	NA	NA	NA	NA	514	519	643	702	NA	0.2
All Sectors.....	178,243	207,717	247,343	249,411	259,767	270,119	298,003	326,506	100.0	100.0
Average Retail Prices (cents/KWh)										
Residential.....	7.83	8.40	8.58	8.44	8.72	8.95	9.45	10.40	NA	NA
Commercial.....	7.34	7.69	7.92	7.89	8.03	8.17	8.67	9.46	NA	NA
Industrial.....	4.74	4.66	5.05	4.88	5.11	5.25	5.73	6.16	NA	NA
Other.....	6.40	6.88	7.20	6.75	NA	NA	NA	NA	NA	NA
Transportation.....	NA	NA	NA	NA	7.54	7.18	8.57	9.54	NA	NA
All Sectors.....	6.57	6.89	7.29	7.20	7.44	7.61	8.14	8.90	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2006

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Number of Entities	215	2,010	9	882	49	150	64	3,379
Number of Retail Customers	100,245,547	20,345,236	39,430	17,465,423	2,166	2,306,163	NA	140,403,965
Retail Sales (thousand megawatthours)	2,476,445	549,124	42,359	370,410	12,397	219,185	NA	3,669,919
Percentage of Retail Sales	67.48	14.96	1.15	10.09	0.34	5.97	NA	100.00
Revenue from Retail Sales (million dollars)	224,637	44,271	1,494	31,411	868	16,784	7,040	326,506
Percentage of Revenue	68.80	13.56	0.46	9.62	0.27	5.14	2.16	100.00
Average Retail Price (cents/kWh)	9.06	8.06	3.53	8.48	7.00	7.66	3.21	8.90

Table 9 Notes: Data are shown for All Sectors. Full Service Providers sell bundled electricity services (e.g., both energy and delivery) to end users. Full Service Providers may purchase electricity from others (such as independent Power Producers or other full service providers) prior to delivery. Other Providers sell either the energy or the delivery services, but not both. Sales volumes and customer counts shown for Other Providers refer to delivered electricity, which is a joint activity of both energy and delivery providers; for clarity, they are reported only in the Energy column in this table. The revenue shown under Other Providers represents the revenue realized from the sale of the energy and the delivery services distinctly. "Public" entities include municipalities, State power agencies, and municipal marketing authorities. "Federal" entities are either owned or financed by the Federal Government. "Cooperatives" are electric utilities legally established to be owned by and operated for the benefit of those using its services. The cooperative will generate, transmit and/or distribute supplies of electric energy to a specified area not being serviced by another utility. "Facility" sales represent direct electricity transactions from independent generators to end use consumers.

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

Category	1990	1995	2001	2002	2003	2004	2005	2006
United States								
Supply								
Generation								
Electric Utilities	2,808,151	2,994,529	2,629,946	2,549,457	2,462,281	2,505,231	2,474,846	2,483,656
Independent Power Producers	31,895	58,222	780,592	955,331	1,063,205	1,118,870	1,246,971	1,259,062
Combined Heat and Power, Electric	61,275	141,480	169,515	193,670	195,674	184,259	180,375	165,359
Electric Power Sector Generation Subtotal	2,901,322	3,194,230	3,580,053	3,698,458	3,721,159	3,808,360	3,902,192	3,908,077
Combined Heat and Power, Commercial	5,837	8,232	7,416	7,415	7,496	8,270	8,492	8,371
Combined Heat and Power, Industrial	130,830	151,025	149,175	152,580	154,530	153,925	144,739	148,254
Industrial and Commercial Generation Subtotal	136,667	159,257	156,591	159,994	162,026	162,195	153,231	156,625
Total Net Generation	3,037,988	3,353,487	3,736,644	3,858,452	3,883,185	3,970,555	4,055,423	4,064,702
Total International Imports	18,445	42,854	38,500	36,779	30,390	34,210	44,527	42,691
Total Supply	3,056,434	3,396,341	3,775,144	3,895,231	3,913,575	4,004,765	4,099,950	4,107,394
Disposition								
Retail Sales								
Full Service Providers	2,712,555	3,013,287	3,296,663	3,324,093	3,285,249	3,317,635	3,412,721	3,438,337
Energy-Only Providers	-	-	97,796	141,373	188,785	222,027	237,055	219,185
Facility Direct Retail Sales	-	-	-	-	19,700	7,817	11,193	12,397
Total Electric Industry Retail Sales	2,712,555	3,013,287	3,394,458	3,465,466	3,493,734	3,547,479	3,660,969	3,669,919
Direct Use	124,368	150,677	162,649	166,184	168,295	168,470	150,016	146,927
Total International Exports	16,134	3,623	16,473	15,796	23,972	22,898	19,803	24,271
Estimated Losses	203,377	228,755	201,564	247,785	227,573	265,918	269,163	266,277
Total Disposition	3,056,434	3,396,341	3,775,144	3,895,231	3,913,575	4,004,765	4,099,950	4,107,394

R = Revised.

NA = Not applicable; NM = Not meaningful.

W = Withheld to avoid disclosure of individual company data.

- = Data not available.

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is 1 and values under 0.5 are shown as *.)

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

Table 10 Note: Estimated Losses are reported at the utility level, and then allocated to States based on the utility's retail sales by State. Reported losses may include electricity unaccounted for by the utility.

General Notes: Table 4 "Other Renewables" includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. The "Other" category includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. However, Table 5 "Other Renewables" includes only biogenic municipal solid waste, in addition to wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. In Table 5 "Other" includes Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. In Table 7, "Other Renewables" emissions include biogenic municipal solid waste, and other renewable waste.

Direct use is commercial or industrial use of electricity that (1) is self-generated (2) is produced by either the same entity that consumes the power or an affiliate, and (3) is used in direct support of a service or industrial process located within the same facility or group of facilities that houses the generating equipment. Direct use is exclusive of station use.