

Table 1. 2005 Summary Statistics

Item	Value	Highest	Lowest
United States			
Primary Energy Source	Coal		
Net Summer Capability (megawatts)	978,020	Texas	District of Columbia
Electric Utilities.....	562,420	Florida	Rhode Island
Independent Power Producers & Combined Heat and Power.....	415,600	Texas	Nebraska
Net Generation (megawatthours)	4,055,422,749^R	Texas	District of Columbia
Electric Utilities.....	2,554,049,613	Florida	Maine
Independent Power Producers & Combined Heat and Power.....	1,501,373,138 ^R	Texas	Nebraska
Emissions (thousand metric tons)			
Sulfur Dioxide	10,340	Ohio	Vermont
Nitrogen Oxide	3,961	Texas	Vermont
Carbon Dioxide.....	2,513,609	Texas	Vermont
Sulfur Dioxide (lbs/MWh)	5.6	Ohio	Vermont
Nitrogen Oxide (lbs/MWh)	2.2	District of Columbia	Vermont
Carbon Dioxide (lbs/MWh).....	1,366	District of Columbia	Vermont
Total Retail Sales (megawatthours)	3,660,968,513	Texas	Vermont
Full Service Provider Sales (megawatthours)	3,423,913,882	Texas	Maine
Deregulated Sales (megawatthours)	237,054,631	New York	Virginia
Direct Use (megawatthours)	154,700,367	Texas	Kansas
Average Retail Price (cents/kWh)	8.14	Hawaii	Kentucky

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capability, 2005

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	3,875
3. Martin	Gas	Florida Power & Light Co	3,693
4. W A Parish.....	Coal	Texas Genco II, LP	3,654
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	3,140
9. Gibson.....	Coal	PSI Energy 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, 2005
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
1. Florida Power & Light Company	Investor-Owned	101,979,583	54,179,849	43,804,916	3,900,589	94,229
2. Georgia Power Co	Investor-Owned	78,982,218	23,585,116	30,195,881	25,027,371	173,850
3. Virginia Electric & Power Co	Investor-Owned	77,570,420	29,842,956	37,233,427	10,330,564	163,473
4. Duke Energy Corporation.....	Investor-Owned	77,413,429	26,148,820	25,888,304	25,376,269	36
5. Southern California Edison Co.....	Investor-Owned	75,301,581	28,711,485	37,973,239	8,554,408	62,449
Total Sales, Top Five Providers		411,247,231	162,468,226	175,095,767	73,189,201	494,037

See footnotes at end of tables.

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1990, 1995, and 2000 Through 2005
(Megawatts)

Energy Source	1990	1995	2000	2001	2002	2003	2004	2005	Percentage Share	
									1990	2005
United States										
Electric Utilities.....	690,465	706,111	604,319	549,920	561,074	547,249	550,550	562,420	94.1	57.5
Coal.....	299,781	300,569	260,990	244,451	244,056	236,473	235,976	236,225	40.8	24.2
Petroleum.....	47,913	42,554	41,032	38,456	33,876	32,570	31,415	30,992	6.5	3.2
Natural Gas.....	149,777	164,192	123,665	112,841	127,692	125,612	131,734	144,622	20.4	14.8
Other Gases.....	375	291	57	57	61	61	58	104	0.1	*
Nuclear.....	99,624	99,515	85,968	63,060	63,202	60,964	60,651	58,762	13.6	6.0
Hydroelectric.....	71,423	75,274	73,738	72,968	73,391	72,827	71,696	71,550	9.7	7.3
Other Renewables.....	2,111	2,330	837	979	989	925	960	1,496	0.3	0.2
Pumped Storage.....	19,462	21,387	18,020	17,097	17,807	17,803	18,048	18,630	2.7	1.9
Other.....	*	-	13	13	-	13	13	39	*	*
Independent Power Producers and Combined Heat and Power	43,656	63,352	207,400	298,334	344,227	401,198	412,392	415,600	5.9	42.5
Coal.....	7,581	10,817	54,124	69,780	71,294	76,546	77,044	77,155	1.0	7.9
Petroleum.....	1,531	2,171	20,805	27,706	25,775	28,160	27,704	27,556	0.2	2.8
Natural Gas.....	19,548	32,186	95,925	139,992	184,820	229,829	239,277	238,440	2.7	24.4
Other Gases.....	1,266	1,370	2,285	1,614	1,947	1,933	2,238	1,959	0.2	0.2
Nuclear.....	-	-	11,892	35,099	35,455	38,244	38,978	41,226	-	4.2
Hydroelectric.....	2,500	3,288	5,621	5,948	5,965	5,867	5,945	5,991	0.3	0.6
Other Renewables.....	10,729	12,970	14,735	15,201	15,766	17,274	17,802	19,754	1.5	2.0
Pumped Storage.....	-	-	1,502	2,567	2,564	2,719	2,717	2,717	-	0.3
Other.....	501	550	510	427	641	625	687	802	0.1	0.1
Total Electric Industry.....	734,122	769,463	811,719	848,254	905,301	948,446	962,942	978,020	100.0	100.0
Coal.....	307,361	311,386	315,114	314,230	315,350	313,019	313,020	313,380	41.9	32.0
Petroleum.....	49,444	44,725	61,837	66,162	59,651	60,730	59,119	58,548	6.7	6.0
Natural Gas.....	169,325	196,379	219,590	252,832	312,512	355,442	371,011	383,061	23.1	39.2
Other Gases.....	1,641	1,661	2,342	1,670	2,008	1,994	2,296	2,063	0.2	0.2
Nuclear.....	99,624	99,515	97,860	98,159	98,657	99,209	99,628	99,988	13.6	10.2
Hydroelectric.....	73,923	78,562	79,359	78,916	79,356	78,694	77,641	77,541	10.1	7.9
Other Renewables.....	12,840	15,300	15,572	16,180	16,755	18,199	18,763	21,251	1.7	2.2
Pumped Storage.....	19,462	21,387	19,522	19,664	20,371	20,522	20,764	21,347	2.7	2.2
Other.....	501	550	523	440	641	638	700	841	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 2000 Through 2005
(Megawatthours)

Energy Source	1990	1995	2000	2001	2002	2003	2004	2005	Percentage Share	
									1990	2005
United States										
Electric Utilities.....	2,808,151,009	2,994,528,592	3,015,383,376	2,629,945,673	2,549,457,170	2,462,280,615	2,505,231,152	2,554,049,613	92.4	63.0
Coal.....	1,559,605,707	1,652,914,466	1,696,619,307	1,560,145,542	1,514,669,950	1,500,281,112	1,513,640,806	1,533,666,076	51.3	37.8
Petroleum.....	117,016,961	60,844,256	72,179,917	78,907,846	59,124,871	69,930,457	73,693,695	70,833,715	3.9	1.7
Natural Gas.....	264,089,401	307,306,050	290,715,178	264,433,673	229,639,287	186,966,798	199,662,043	238,484,397	8.7	5.9
Other Gases.....	-	-	-	-	206,469	242,655	374,012	9,810	-	*
Nuclear.....	576,861,678	673,402,123	705,432,806	534,207,221	507,379,828	458,828,821	475,682,277	465,069,082	19.0	11.5
Hydroelectric.....	283,433,659	296,377,840	253,154,717	197,803,985	242,302,069	249,621,997	245,545,963	246,027,912	9.3	6.1
Other Renewables.....	10,651,344	6,408,988	2,241,015	1,665,739	3,088,677	3,421,334	3,691,830	4,945,386	0.4	0.1
Pumped Storage.....	-3,507,741	-2,725,131	-4,959,564	-7,704,482	-7,433,807	-7,531,885	-7,526,206	-5,630,002	-0.1	-0.1
Other.....	-	-	-	486,149	479,826	519,327	466,733	643,237	-	*
Independent Power Producers and Combined Heat and Power.....	229,837,268	358,958,770	786,721,667	1,106,697,980	1,308,995,082	1,420,904,589	1,465,324,110	1,501,373,136^R	7.6	37.0
Coal.....	34,405,772	56,512,002	269,645,289	343,810,401	418,460,404	473,455,638	464,979,413	479,512,763	1.1	11.8
Petroleum.....	9,604,181	13,709,809	39,041,048	45,972,376	35,442,523	49,475,184	46,952,148	51,688,238	0.3	1.3
Natural Gas.....	108,675,753	188,751,895	310,322,981	374,695,447	461,366,459	462,940,744	509,316,563	519,489,934	3.6	12.8
Other Gases.....	10,382,830	13,869,951	13,954,758	9,039,473	11,256,216	15,357,365	16,392,078	16,306,964	0.3	0.4
Nuclear.....	-	-	48,460,134	234,619,087	272,684,259	304,903,874	312,846,110	316,917,283	-	7.8
Hydroelectric.....	9,432,187	14,454,908	22,417,880	19,157,059	22,026,763	26,184,330	22,871,345	24,293,342 ^R	0.3	0.6
Other Renewables.....	53,720,882	67,556,397	78,664,959	69,102,907	76,020,495	76,065,455	78,911,762	82,267,355	1.8	2.0
Pumped Storage.....	-	-	-579,296	-1,118,963	-1,309,121	-1,003,180	-962,004	-927,786	-	*
Other.....	3,615,663	4,103,808	4,793,914	11,420,193	13,047,085	13,525,180	14,016,697	11,825,045	0.1	0.3
Total Electric Industry.....	3,037,988,277	3,353,487,362	3,802,105,043	3,736,643,653	3,858,452,252	3,883,185,204	3,970,555,262	4,055,422,749^R	100.0	100.0
Coal.....	1,594,011,479	1,709,426,468	1,966,264,596	1,903,955,943	1,933,130,354	1,973,736,750	1,978,620,219	2,013,178,839	52.5	49.6
Petroleum.....	126,621,142	74,554,065	111,220,965	124,880,222	94,567,394	119,405,641	120,645,843	122,521,953	4.2	3.0
Natural Gas.....	372,765,154	496,057,945	601,038,159	639,129,120	691,005,746	649,907,542	708,978,606	757,974,331	12.3	18.7
Other Gases.....	10,382,830	13,869,951	13,954,758	9,039,473	11,462,685	15,600,020	16,766,090	16,316,774	0.3	0.4
Nuclear.....	576,861,678	673,402,123	753,892,940	768,826,308	780,064,087	763,732,695	788,528,387	781,986,365	19.0	19.3
Hydroelectric.....	292,865,846	310,832,748	275,572,597	216,961,044	264,328,832	275,806,327	268,417,308	270,321,254 ^R	9.6	6.7
Other Renewables.....	64,372,226	73,965,385	80,905,974	70,768,646	79,109,172	79,486,789	82,603,592	87,212,741	2.1	2.2
Pumped Storage.....	-3,507,741	-2,725,131	-5,538,860	-8,823,445	-8,742,928	-8,535,065	-8,488,210	-6,557,788	-0.1	-0.2
Other.....	3,615,663	4,103,808	4,793,914	11,906,342	13,526,911	14,044,507	14,483,430	12,468,282	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 2000 Through 2005

Fuel, Quality	1990	1995	2000	2001	2002	2003	2004	2005
United States								
Coal (cents per million Btu)	145.5	131.8	120.0	123.2	125.5	128.2	136.1	154.4
Average heat value (Btu per pound)	10,465	10,248	10,115	10,200	10,168	10,137	10,074	10,107
Average sulfur Content (percent)	1.4	1.1	0.9	0.9	0.9	1.0	1.0	1.0
Petroleum (cents per million Btu)	335.3	256.6	417.9	369.3	334.3	433.5	429.4	644.5
Average heat value (Btu per gallon)	149,536	149,371	149,857	147,857	147,902	147,086	147,286	146,481
Average sulfur Content (percent)	1.0	1.2	1.3	1.4	1.6	1.5	1.7	1.6
Natural Gas (cents per million Btu)	232.1	198.4	430.2	448.7	356.0	539.3	596.1	821.4
Average heat value (Btu per cubic foot)	1,027	1,019	1,020	1,020	1,025	1,030	1,027	1,028

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1990, 1995, and 2000 Through 2005
(Thousand Metric Tons)

Emission Type	1990	1995	2000	2001	2002	2003	2004	2005
United States								
Sulfur Dioxide								
Coal.....	14,281	11,006	10,286	9,905	9,786	9,688	9,437	9,499
Petroleum.....	937	613	785	1,002	773	717	633	587
Natural Gas.....	1	1	3	2	2	2	2	2
Other.....	243	275	223	265	320	239	237	251
Total.....	15,462	11,896	11,297	11,174	10,881	10,646	10,309	10,340
Nitrogen Oxide								
Coal.....	7,119	7,035	4,485	4,096	4,057	3,607	3,286	3,135
Petroleum.....	208	122	175	294	225	240	225	221
Natural Gas.....	513	599	596	631	625	453	416	383
Other.....	122	129	123	268	287	232	217	222
Total.....	7,961	7,885	5,380	5,290	5,194	4,532	4,143	3,961
Carbon Dioxide								
Coal.....	1,572,389 ^R	1,697,952 ^R	1,960,017 ^R	1,895,181	1,912,656	1,947,172	1,962,742	2,001,237
Petroleum.....	118,386 ^R	76,280 ^R	107,464 ^R	116,084	90,208	110,955	114,653	115,944
Natural Gas.....	232,682 ^R	297,108 ^R	361,708 ^R	365,311	377,056	343,394	365,205	381,927
Geothermal.....	380 ^R	326 ^R	358 ^R	349	369	367	377	374
Other Renewables.....	7,411 ^R	11,844 ^R	12,174 ^R	12,821	14,759	13,793	13,956	14,128
Total.....	1,931,248 ^R	2,083,509 ^R	2,441,722 ^R	2,389,745	2,395,048	2,415,680	2,456,934	2,513,609

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1990, 1995, and 2000 Through 2005

Sector	1990	1995	2000	2001	2002	2003	2004	2005	Percentage Share	
									1990	2005
United States										
Retail Sales (thousand megawatthours)										
Residential.....	924,019	1,042,501	1,192,446	1,201,607	1,265,180	1,275,824	1,291,982	1,359,227	34.1	37.1
Commercial.....	751,027	862,685	1,055,232	1,083,069	1,104,497	1,198,728	1,230,425	1,275,079	27.7	34.8
Industrial.....	945,522	1,012,693	1,064,239	996,609	990,238	1,012,373	1,017,850	1,019,156	34.9	27.8
Other.....	91,988	95,407	109,496	113,174	105,552	NA	NA	NA	3.4	NA
Transportation.....	NA	NA	NA	NA	NA	6,810	7,224	7,506	NA	0.2
All Sectors.....	2,712,555	3,013,287	3,421,414	3,394,458	3,465,466	3,493,734	3,547,479	3,660,969	100.0	100.0
Retail Revenue (million dollars)										
Residential.....	72,378	87,610	98,209	103,158	106,834	111,249	115,577	128,393	40.6	43.1
Commercial.....	55,117	66,365	78,405	85,741	87,117	96,263	100,546	110,522	30.9	37.1
Industrial.....	44,857	47,175	49,369	50,293	48,336	51,741	53,477	58,445	25.2	19.6
Other.....	5,891	6,567	7,179	8,151	7,124	NA	NA	NA	3.3	NA
Transportation.....	NA	NA	NA	NA	NA	514	519	643	NA	0.2
All Sectors.....	178,243	207,717	233,163	247,343	249,411	259,767	270,119	298,003	100.0	100.0
Average Retail Prices (cents/KWh)										
Residential.....	7.83	8.40	8.24	8.58	8.44	8.72	8.95	9.45	NA	NA
Commercial.....	7.34	7.69	7.43	7.92	7.89	8.03	8.17	8.67	NA	NA
Industrial.....	4.74	4.66	4.64	5.05	4.88	5.11	5.25	5.73	NA	NA
Other.....	6.40	6.88	6.56	7.20	6.75	NA	NA	NA	NA	NA
Transportation.....	NA	NA	NA	NA	NA	7.54	7.18	8.57	NA	NA
All Sectors.....	6.57	6.89	6.81	7.29	7.20	7.44	7.61	8.14	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2005

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Number of Entities	217	2,010	9	883	55	158	67	3,399
Number of Retail Customers	98,490,356	20,041,802	38,083	17,008,803	148	2,787,967	NA	138,367,159
Retail Sales (thousand megawatthours)	2,468,201	540,741	42,402	361,376	11,193	237,055	NA	3,660,969
Percentage of Retail Sales	67.42	14.77	1.16	9.87	0.31	6.48	NA	100.00
Revenue from Retail Sales (million dollars)	204,157	40,919	1,333	28,623	718	15,186	7,068	298,003
Percentage of Revenue	68.51	13.73	0.45	9.60	0.24	5.10	2.37	100.00
Average Retail Price (cents/kWh)	8.26	7.57	3.14	7.92	6.41	6.41	2.98	8.14

United States

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.

Other Notes: NA = Not applicable; NM = Not meaningful;

W = Withheld to avoid disclosure of individual company data.

* = Value is less than half of the 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.

The "Other Renewables" category for Tables 4 and 5 includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, tires, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy and wind. In Table 7, "Other Renewables" emissions include non-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.