

Table 1. 2003 Summary Statistics

Item	Value	Highest	Lowest
United States			
Primary Energy Source.....	Coal		
Net Summer Capability (megawatts).....	948,446	Texas	District of Columbia
Electric Utilities.....	547,249	Florida	District of Columbia
Independent Power Producers & Combined Heat and Power.....	401,197	Texas	Nebraska
Net Generation (megawatthours).....	3,883,185,205	Texas	District of Columbia
Electric Utilities.....	2,462,280,615	Florida	Maine
Independent Power Producers & Combined Heat and Power.....	1,420,904,590	Texas	South Dakota
Emissions (thousand metric tons)			
Sulfur Dioxide.....	10,643	Ohio	Vermont
Nitrogen Oxide.....	4,326	Ohio	District of Columbia
Carbon Dioxide.....	2,415,804	Texas	Vermont
Sulfur Dioxide (lbs/MWh).....	6.0	Ohio	Vermont
Nitrogen Oxide (lbs/MWh).....	2.5	District of Columbia	Vermont
Carbon Dioxide (lbs/MWh).....	1,372	District of Columbia	Vermont
Total Retail Sales (megawatthours).....	3,489,222,898	Texas	Vermont
Full Service Sales (megawatthours).....	3,258,371,258	Texas	Maine
Deregulated Sales (megawatthours).....	230,851,640	California	Virginia
Direct Use (megawatthours).....	168,294,526	Texas	District of Columbia
Average Retail Price (cents/kWh).....	7.42	Hawaii	Kentucky

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capability, 2003

Plant	Energy Sources	Operating Company	Net Summer Capability (MW)
United States			
1. Grand Coulee.....	Hydro	U S Bureau of Reclamation	7,079
2. Palo Verde.....	Nuclear	Arizona Public Service Co	3,825
3. W A Parish.....	Gas, Coal	CenterPoint Energy Houston Electric, LLC	3,653
4. Scherer.....	Petroleum, Coal	Georgia Power Co	3,430
5. Browns Ferry.....	Nuclear	Tennessee Valley Authority	3,297
6. Bowen.....	Petroleum, Coal	Georgia Power Co	3,254
7. Crystal River.....	Petroleum, Nuclear, Coal	Florida Power Corp	3,140
8. Gibson.....	Petroleum, Coal	PSI Energy Inc	3,131
9. Monroe.....	Petroleum, Coal	Detroit Edison Co	3,059
10. John E Amos.....	Petroleum, Coal	Appalachian Power Co	2,900

See footnotes at end of tables.

Table 3. Top Five Providers of Retail Electricity, 2003 (Megawatthours)

Entity	Ownership Type	All Sectors	Residential	Commercial	Industrial	Transportation
United States						
1. Florida Power & Light Co.....	Investor-Owned	99,339,144	53,400,788	41,847,336	3,997,822	93,198
2. TXU Energy Retail Co LP.....	Power Marketer	79,049,806	35,535,009	14,801,355	28,623,442	90,000
3. Georgia Power Co.....	Investor-Owned	75,018,318	21,778,582	27,356,003	25,703,421	180,312
4. Duke Energy Corp.....	Investor-Owned	73,763,185	24,078,658	24,802,709	24,881,818	0
5. Dominion Virginia Power.....	Investor-Owned	72,197,013	27,215,660	34,284,489	10,525,192	171,672
Total Sales, Top Five Providers.....		399,367,466	162,008,697	143,091,892	93,731,695	535,182

See footnotes at end of tables.

Table 4. Electric Power Industry Net Summer Capability by Primary Energy Source, 1994, 1998, and 2003
(Megawatts)

Energy Source	1994	1998	2003	Annual Growth Rate 1994-2003 (Percent)	Percentage Share		
					1994	1998	2003
United States							
Electric Utilities	702,229	686,692	547,249	- 2.7	91.9	88.5	57.7
Coal.....	300,941	299,739	236,473	-2.6	39.4	38.6	24.9
Petroleum.....	41,296	38,144	20,766	-7.4	5.4	4.9	2.2
Natural Gas.....	51,239	40,764	48,233	-7	6.7	5.3	5.1
Other Gases.....	698	55	61	-23.7	.1	*	*
Dual Fired.....	110,633	114,201	89,183	-2.4	14.5	14.7	9.4
Nuclear.....	99,148	97,070	60,964	-5.3	13.0	12.5	6.4
Hydroelectric.....	74,787	75,525	72,827	-.3	9.8	9.7	7.7
Other Renewables.....	2,278	2,067	925	-9.5	.3	.3	.1
Pumped Storage.....	21,208	18,898	17,803	-1.9	2.8	2.4	1.9
Other.....	0	229	13	NM	.0	*	*
Independent Power Producers and Combined							
Heat and Power	61,740	89,174	401,196	23.1	8.1	11.5	42.3
Coal.....	10,474	16,047	76,546	24.7	1.4	2.1	8.1
Petroleum.....	1,399	2,254	15,663	30.8	.2	.3	1.7
Natural Gas.....	19,446	35,008	160,214	26.4	2.5	4.5	16.9
Other Gases.....	1,395	1,465	1,933	3.7	.2	.2	.2
Dual Fired.....	12,477	16,197	82,111	23.3	1.6	2.1	8.7
Nuclear.....	0	0	38,244	NM	.0	.0	4.0
Hydroelectric.....	3,255	3,625	5,867	6.8	.4	.5	.6
Other Renewables.....	12,744	13,377	17,274	3.4	1.7	1.7	1.8
Pumped Storage.....	0	620	2,719	NM	.0	.1	.3
Other.....	550	581	625	1.4	.1	.1	.1
Total Electric Industry	763,967	775,868	948,446	2.4	100.0	100.0	100.0
Coal.....	311,415	315,786	313,019	.1	40.8	40.7	33.0
Petroleum.....	42,695	40,399	36,429	-1.7	5.6	5.2	3.8
Natural Gas.....	70,685	75,772	208,447	12.8	9.3	9.8	22.0
Other Gases.....	2,093	1,520	1,994	-.5	.3	.2	.2
Dual Fired.....	123,110	130,399	171,295	3.7	16.1	16.8	18.1
Nuclear.....	99,148	97,070	99,209	*	13.0	12.5	10.5
Hydroelectric.....	78,041	79,151	78,694	.1	10.2	10.2	8.3
Other Renewables.....	15,021	15,444	18,199	2.2	2.0	2.0	1.9
Pumped Storage.....	21,208	19,518	20,522	-.4	2.8	2.5	2.2
Other.....	550	810	638	1.7	.1	.1	.1

See footnotes at end of tables.

Table 5. Electric Power Industry Generation by Primary Energy Source, 1994, 1998, and 2003
(Megawatthours)

Energy Source	1994	1998	2003	Annual Growth Rate 1994-2003 (Percent)	Percentage Share		
					1994	1998	2003
United States							
Electric Utilities	2,910,712,079	3,212,170,791	2,462,280,615	-1.8	89.6	88.7	63.4
Coal.....	1,635,492,971	1,807,479,829	1,500,281,112	-1.0	50.4	49.9	38.6
Petroleum.....	91,038,583	110,157,895	69,930,456	-2.9	2.8	3.0	1.8
Natural Gas.....	291,114,905	309,222,404	186,966,796	-4.8	9.0	8.5	4.8
Other Gases.....	0	0	242,655	NM	.0	.0	*
Nuclear.....	640,439,832	673,702,104	458,828,821	-3.6	19.7	18.6	11.8
Hydroelectric.....	247,070,938	308,843,770	249,621,996	.1	7.6	8.5	6.4
Other Renewables.....	8,932,675	7,205,997	3,940,660	-8.7	.3	.2	.1
Pumped Storage.....	-3,377,825	-4,441,208	-7,531,885	NM	-1	-1	-2
Independent Power Producers and Combined							
Heat and Power	336,810,309	408,124,707	1,420,904,591	17.3	10.4	11.3	36.6
Coal.....	55,200,897	66,035,861	473,455,637	27.0	1.7	1.8	12.2
Petroleum.....	14,862,401	18,642,268	49,475,181	14.3	.5	.5	1.3
Natural Gas.....	169,103,778	222,034,704	462,940,742	11.8	5.2	6.1	11.9
Other Gases.....	13,319,049	13,492,228	15,357,365	1.6	.4	.4	.4
Nuclear.....	0	0	304,903,874	NM	.0	.0	7.9
Hydroelectric.....	13,054,794	14,491,894	26,184,333	8.0	.4	.4	.7
Other Renewables.....	67,602,473	69,882,410	83,469,810	2.4	2.1	1.9	2.1
Pumped Storage.....	0	-26,072	-1,003,180	NM	.0	*	*
Other.....	3,666,926	3,571,410	6,120,827	5.9	.1	.1	.2
Total Electric Industry	3,247,522,388	3,620,295,498	3,883,185,205	2.0	100.0	100.0	100.0
Coal.....	1,690,693,868	1,873,515,690	1,973,736,749	1.7	52.1	51.8	50.8
Petroleum.....	105,900,984	128,800,163	119,405,637	1.3	3.3	3.6	3.1
Natural Gas.....	460,218,683	531,257,108	649,907,538	3.9	14.2	14.7	16.7
Other Gases.....	13,319,049	13,492,228	15,600,020	1.8	.4	.4	.4
Nuclear.....	640,439,832	673,702,104	763,732,695	2.0	19.7	18.6	19.7
Hydroelectric.....	260,125,732	323,335,664	275,806,329	.7	8.0	8.9	7.1
Other Renewables.....	76,535,148	77,088,407	87,410,470	1.5	2.4	2.1	2.3
Pumped Storage.....	-3,377,825	-4,467,280	-8,535,065	NM	-1	-1	-2
Other.....	3,666,926	3,571,410	6,120,827	5.9	.1	.1	.2

See footnotes at end of tables.

Table 6. Electric Power Delivered Fuel Prices for Coal, Petroleum, and Natural Gas, 1994, 1998, and 2003

Fuel, Quality	1994	1998	2003	Annual Growth Rate 1994-2003 (Percent)
United States				
Coal (cents per million Btu).....	135.5	125.2	128.2	-0.6
Average heat value (Btu per pound).....	10,338	10,241	10,137	-2
Average sulfur Content (percent).....	1.2	1.1	1.0	-2.0
Petroleum (cents per million Btu).....	242.3	202.1	433.5	6.7
Average heat value (Btu per gallon).....	149,324	149,736	147,086	*
Average sulfur Content (percent).....	1.2	1.5	1.5	2.5
Natural Gas (cents per million Btu).....	223.0	238.1	539.3	10.3
Average heat value (Btu per cubic foot).....	1,023	1,022	1,030	.1

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1994, 1998, and 2003
(Thousand Metric Tons)

Emission Type	1994	1998	2003	Annual Growth Rate 1994-2003 (Percent)
United States				
Sulfur Dioxide				
Coal	13,398	11,402	9,687	-3.5
Petroleum	794	966	718	-1.1
Natural Gas	1	2	2	4.5
Other	279	139	235	-1.9
Total	14,473	12,509	10,643	-3.4
Nitrogen Oxide				
Coal	7,005	5,262	3,679	-6.9
Petroleum	159	230	189	1.9
Gas	513	608	314	-5.3
Other	124	138	145	1.8
Total	7,802	6,235	4,326	-6.3
Carbon Dioxide				
Coal	1,679,301	1,860,572	1,948,054	1.7
Petroleum	103,010	123,326	110,519	.8
Gas	278,189	325,468	343,071	2.4
Geothermal	399	380	367	-9
Other	2,889	3,263	13,793	19.0
Total	2,063,788	2,313,013	2,415,804	1.8

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Retail Price by Sector, 1994, 1998, and 2003

Sector	1994	1998	2003	Annual Growth Rate 1994-2003 (Percent)	Percentage Share		
					1994	1998	2003
United States							
Retail Sales (thousand megawatthours)							
Residential	1,008,482	1,130,109	1,273,597	2.6	34.4	34.6	36.5
Commercial	820,269	979,401	1,197,199	4.3	27.9	30.0	34.3
Industrial	1,007,981	1,051,203	1,011,617	*	34.3	32.2	29.0
Other	97,830	103,518	NA	NM	3.3	3.2	NA
Transportation	NA	NA	6,810	NM	NA	NA	.2
Total	2,934,563	3,264,231	3,489,223	1.9	100.0	100.0	100.0
Retail Revenue (million dollars)							
Residential	84,552	93,360	110,794	3.0	41.7	42.5	42.8
Commercial	63,396	72,575	95,759	4.7	31.3	33.0	37.0
Industrial	48,069	47,050	51,794	.8	23.7	21.4	20.0
Other	6,689	6,863	NA	NM	3.3	3.1	NA
Transportation	NA	NA	514	NM	NA	NA	.2
Total	202,706	219,848	258,861	2.8	100.0	100.0	100.0
Average Retail Price (cents/kWh)							
Residential	8.38	8.26	8.70	.4	NA	NA	NA
Commercial	7.73	7.41	8.00	.4	NA	NA	NA
Industrial	4.77	4.48	5.12	.8	NA	NA	NA
Other	6.84	6.63	NA	NM	NA	NA	NA
Transportation	NA	NA	7.55	NM	NA	NA	NA
Total	6.91	6.74	7.42	.8	NA	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2003

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
United States								
Number of Entities.....	222	2,011	9	885	106	150	66	3,449
Number of Retail Customers.....	96,183,507	19,488,083	39,270	16,149,217	2,742	2,681,529	NA	134,544,348
Retail Sales (thousand megawatthours)	2,352,664	516,475	35,787	333,745	19,700	230,852	NA	3,489,223
Percentage of Retail Sales	67.43	14.80	1.03	9.57	.56	6.62	NA	100.00
Revenue from Retail Sales (million dollars)	175,883	36,165	1,039	23,906	981	13,497	7,390	258,861
Percentage of Revenue.....	67.95	13.97	.40	9.23	.38	5.21	2.85	100.00
Average Retail Price (cents/kWh).....	7.48	7.00	2.90	7.16	4.98	5.85	3.20	7.42

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 service. 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;

Table 4 "Other Renewables" includes generation from municipal solid waste; Table 7 "Other" includes emissions from municipal solid 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.