

Table 1. 2002 Summary Statistics

Item	Value	Highest	Lowest
United States			
Primary Energy Source.....	Coal		
Net Summer Capability (megawatts).....	905,301	Texas	District of Columbia
Electric Utilities.....	561,074	Florida	Rhode Island
Independent Power Producers & Combined Heat and Power.....	344,227	Texas	Nebraska
Net Generation (megawatthours).....	3,858,452,252	Texas	District of Columbia
Electric Utilities.....	2,549,457,170	Florida	Maine
Independent Power Producers & Combined Heat and Power.....	1,308,995,082	Texas	Nebraska
Emissions (thousand short tons)			
Sulfur Dioxide.....	10,940	Ohio	Vermont
Nitrogen Oxide.....	5,159	Ohio	Vermont
Carbon Dioxide.....	2,549,969	Texas	Vermont
Sulfur Dioxide/sq. mile.....	3	Ohio	Vermont
Nitrogen Oxide/sq. mile.....	1	Maryland	Alaska
Carbon Dioxide/sq. mile.....	721	District of Columbia	Vermont
Utility and Energy Service Providers (megawatthours).....	3,462,520,834	Texas	Alaska
Utility Retail Electricity Sales (megawatthours).....	3,290,401,013	Texas	Maine
Energy Service Providers Electricity Sales (megawatthours).....	172,119,821	California	Texas
Direct Use (megawatthours).....	171,472,756	Texas	Washington
Utility Average Retail Price (cents/kWh).....	7.21	Hawaii	Kentucky
Utility Average Retail Price (cents/kWh).....	7.21	Hawaii	Kentucky

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capability, 2002

Plant	Energy Sources	Operating Company	Net Capability (MW)
United States			
1. Grand Coulee.....	Hydro	U S Bureau of Reclamation	7,079
2. W A Parish.....	Gas, Coal	CenterPoint Energy Houston Elec	3,766
3. Palo Verde.....	Nuclear	Arizona Public Service Co	3,733
4. Scherer.....	Petroleum, Coal	Georgia Power Co	3,430
5. Bowen.....	Petroleum, Coal	Georgia Power Co	3,294
6. Browns Ferry.....	Nuclear	Tennessee Valley Authority	3,291
7. Crystal River.....	Petroleum, Nuclear, Coal	Florida Power Corp	3,144
8. Gibson.....	Petroleum, Coal	PSI Energy Inc	3,131
9. Monroe.....	Petroleum, Coal	Detroit Edison Co	3,034
10. John E Amos.....	Petroleum, Coal	Appalachian Power Co	2,900

See footnotes at end of tables.

Table 3. Top Five Utilities Ranked by Retail Sales, 2002
(Megawatthours)

Utility	All Sectors	Residential	Commercial	Industrial	Other
United States					
A. Florida Power & Light Company.....	95,542,625	50,875,435	40,037,337	4,058,048	571,805
B. TXU Energy Retail Co LP.....	89,456,982	37,118,787	20,133,202	32,204,993	0
C. Georgia Power Company.....	75,432,469	22,144,559	26,954,922	25,739,785	593,203
D. Duke Energy Corporation.....	75,362,408	24,685,433	24,252,706	26,154,340	269,929
E. Commonwealth Edison Company.....	73,835,297	27,474,341	25,517,175	13,016,569	7,827,212
Total.....	409,629,781	162,298,555	136,895,342	101,173,735	9,262,149
Percentage of Utility Sales.....	12	13	12	10	9

See footnotes at end of tables.

Table 4. Electric Power Industry Generating Capability by Primary Energy Source, 1993, 1997, and 2002
(Megawatts)

Energy Source	1993	1997	2002	Annual Growth Rate 1993-2002 (Percent)	Percentage Share 1993	Percentage Share 1997	Percentage Share 2002
United States							
Coal	300,634	302,866	244,056	-2.3	39.8	38.9	27.0
Petroleum	42,699	41,545	23,067	-6.6	5.7	5.3	2.5
Natural Gas	49,709	53,552	50,026	.1	6.6	6.9	5.5
Other Gases	698	206	61	-23.7	.1	.0	.0
Dual Fired	109,066	116,174	88,476	-2.3	14.5	14.9	9.8
Nuclear	99,041	99,716	63,202	-4.9	13.1	12.8	7.0
Hydroelectric	95,910	95,487	91,198	-.6	12.7	12.3	10.1
Other Renewables	2,215	2,123	989	-8.6	.3	.3	.1
Other	0	222	0	NM	.0	.0	.0
Total Electric Utilities	699,971	711,889	561,074	-2.4	92.8	91.4	62.0
Coal	9,513	10,758	71,294	25.1	1.3	1.4	7.9
Petroleum	1,321	1,657	15,147	31.1	.2	.2	1.7
Natural Gas	15,814	22,797	121,635	25.4	2.1	2.9	13.4
Other Gases	1,233	1,320	1,947	5.2	.2	.2	.2
Dual Fired	11,091	13,209	73,813	23.4	1.5	1.7	8.2
Nuclear	0	0	35,455	NM	.0	.0	3.9
Hydroelectric	2,647	3,237	8,529	13.9	.4	.4	.9
Other Renewables	12,441	13,229	15,766	2.7	1.6	1.7	1.7
Other	550	552	641	1.7	.1	.1	.1
Total IPP's & Combined Heat and Power	54,611	66,760	344,227	22.7	7.2	8.6	38.0
Coal	310,148	313,624	315,350	.2	41.1	40.3	34.8
Petroleum	44,019	43,202	38,213	-1.6	5.8	5.5	4.2
Natural Gas	65,523	76,348	171,660	11.3	8.7	9.8	19.0
Other Gases	1,931	1,525	2,008	.4	.3	.2	.2
Dual Fired	120,157	129,384	162,289	3.4	15.9	16.6	17.9
Nuclear	99,041	99,716	98,657	.0	13.1	12.8	10.9
Hydroelectric	98,557	98,725	99,727	.1	13.1	12.7	11.0
Other Renewables	14,656	15,351	16,755	1.5	1.9	2.0	1.9
Other	550	774	641	1.7	.1	.1	.1
Total Electric Industry	754,582	778,649	905,301	2.0	100.0	100.0	100.0

See footnotes at end of tables.

Table 5. Electric Power Industry Generation of Electricity by Primary Energy Source, 1993, 1997, and 2002
(Megawatthours)

Energy Source	1993	1997	2002	Annual Growth Rate 1993-2002 (Percent)	Percentage Share 1993	Percentage Share 1997	Percentage Share 2002
United States							
Coal	1,639,151,186	1,787,806,344	1,514,669,950	-0.9	51.3	51.2	39.3
Petroleum	99,538,857	77,752,652	59,124,871	-5.6	3.1	2.2	1.5
Natural Gas	258,915,301	283,624,806	229,639,287	-1.3	8.1	8.1	6.0
Other Gases.....	0	0	206,469	NM	.0	.0	.0
Nuclear	610,291,214	628,644,171	507,379,828	-2.0	19.1	18.0	13.1
Hydroelectric	265,062,757	337,233,538	234,868,263	-1.3	8.3	9.7	6.1
Other Renewables.....	9,565,451	7,461,633	3,568,503	-10.4	.3	.2	.1
Total Electric Utilities	2,882,524,766	3,122,523,144	2,549,457,170	-1.4	90.2	89.4	66.1
Coal	50,919,046	57,209,393	418,460,404	26.4	1.6	1.6	10.8
Petroleum	13,249,326	14,802,220	35,442,523	11.6	.4	.4	.9
Natural Gas	156,011,497	195,773,865	461,366,458	12.8	4.9	5.6	12.0
Other Gases.....	12,955,798	13,350,633	11,256,217	-1.6	.4	.4	.3
Nuclear	0	0	272,684,259	NM	.0	.0	7.1
Hydroelectric	11,395,678	15,179,853	20,717,642	6.9	.4	.4	.5
Other Renewables	66,647,831	69,721,185	83,353,589	2.5	2.1	2.0	2.2
Other.....	3,487,156	3,611,990	5,713,990	5.6	.1	.1	.1
Total IPP's & Combined Heat and Power	314,666,332	369,649,138	1,308,995,082	17.2	9.8	10.6	33.9
Coal	1,690,070,232	1,845,015,737	1,933,130,354	1.5	52.9	52.8	50.1
Petroleum	112,788,183	92,554,872	94,567,394	-1.9	3.5	2.7	2.5
Natural Gas	414,926,798	479,398,671	691,005,745	5.8	13.0	13.7	17.9
Other Gases.....	12,955,798	13,350,633	11,462,686	-1.4	.4	.4	.3
Nuclear	610,291,214	628,644,171	780,064,087	2.8	19.1	18.0	20.2
Hydroelectric	276,458,435	352,413,391	255,585,905	-9	8.6	10.1	6.6
Other Renewables	76,213,282	77,182,818	86,922,092	1.5	2.4	2.2	2.3
Other.....	3,487,156	3,611,990	5,713,990	5.6	.1	.1	.1
Total Electric Industry.....	3,197,191,098	3,492,172,282	3,858,452,252	2.1	100.0	100.0	100.0

See footnotes at end of tables.

Table 6. Electric Power Delivered Fuel Prices for Coal, Petroleum, and Natural Gas, 1993, 1997, and 2002

Fuel	1993	1997	2002	Annual Growth Rate 1993-2002 (Percent)
United States				
Coal (2002 cents per million Btu)	154.4	130.8	125.5	-2.3
Average heat value (Btu per pound)	10,315	10,275	10,157	-2
Average sulfur Content(percent)	1.2	1.1	.9	-2.5
Petroleum (2002 cents per million Btu)	264.6	280.6	334.3	2.6
Average heat value (Btu per gallon).....	136,888	137,405	143,493	.3
Average sulfur Content(percent)	1.4	1.4	1.6	1.9
Gas (2002 cents per million Btu).....	285.4	283.6	356.0	2.5
Average heat value (Btu per cubic foot).....	1,023	1,019	1,021	*

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1993, 1997, and 2002
(Thousand Short Tons)

Emission Type	1993	1997	2002	Annual Growth Rate 1993-2002 (Percent)
United States				
Sulfur Dioxide				
Coal	14,751	12,925	10,257	-4.0
Petroleum	855	740	582	-4.2
Gas.....	1	1	*	-8.8
Other.....	96	95	101	.5
Total	15,702	13,760	10,940	-3.9
Nitrogen Oxide				
Coal	6,824	5,875	4,337	-4.9
Petroleum	150	151	137	-1.0
Gas.....	583	599	587	.1
Other.....	78	84	98	2.6
Total	7,636	6,708	5,159	-4.3
Carbon Dioxide				
Coal	1,794,282	1,972,290	2,083,568	1.7
Petroleum	103,494	85,484	89,390	-1.6
Gas.....	243,960	279,506	373,655	4.8
Other.....	2,641	3,217	3,356	2.7
Total	2,144,376	2,340,497	2,549,969	1.9

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Revenue per Kilowatthour by Sector, 1993, 1997, and 2001

Sector	1993	1997	2002	Annual Growth Rate 1993-2002 (Percent)	Percentage Share 1993	Percentage Share 1997	Percentage Share 2002
United States							
Retail Sales (thousand megawatthours)							
Residential.....	994,781	1,075,880	1,266,959	2.7	34.8	34.2	36.6
Commercial.....	794,573	928,633	1,116,248	3.8	27.8	29.5	32.2
Industrial	977,164	1,038,197	972,168	-.1	34.1	33.0	28.1
Other	94,944	102,901	107,146	1.3	3.3	3.3	3.1
Total	2,861,462	3,145,610	3,462,521	2.1	100.0	100.0	100.0
Retail Sales Revenue (million 2002 dollars)							
Residential.....	92,251	93,212	107,229	1.7	41.8	42.1	43.0
Commercial.....	68,532	72,446	87,706	2.8	31.0	32.7	35.1
Industrial	52,754	48,323	47,486	-1.2	23.9	21.8	19.0
Other	7,272	7,307	7,208	-.1	3.3	3.3	2.9
Total	220,809	221,287	249,629	1.4	100.0	100.0	100.0
Average Revenue per Kilowatthour (2002 cents/kWh)							
Residential.....	9.27	8.66	8.46	-1.0	NA	NA	NA
Commercial.....	8.63	7.80	7.86	-1.0	NA	NA	NA
Industrial	5.40	4.65	4.88	-1.1	NA	NA	NA
Other	7.66	7.10	6.73	-1.4	NA	NA	NA
Total	7.72	7.03	7.21	-.8	NA	NA	NA

See footnotes at end of tables.

Table 9. Utility Retail Sales Statistics, 2002

Item	Investor-Owned	Public	Federal	Cooperative	Energy Service Providers	Total
United States						
Number of Entities	196	1,986	6	825	71	3,084
Number of Retail Customers	89,708,610	24,853,095	38,695	15,740,366	3,022,267	133,363,033
Retail Sales (thousand megawatthours).....	2,191,647	734,371	36,482	327,901	172,120	3,462,521
Percentage of Retail Sales.....	63.30	21.21	1.05	9.47	4.97	100.00
Revenue from Retail Sales (million 2002 dollars)	165,842	49,195	997	22,712	10,884	249,629
Percentage of Revenue.....	66.44	19.71	.40	9.10	4.36	100.00
Revenue per Kilowatthour (2002 cents/kWh).....	7.57	6.70	2.73	6.93	0	7.21

IPP = Independent Power Producer.

NA = Not available.

NM = Not meaningful.

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