

Table 1. 2002 Summary Statistics

Item	Value	U.S. Rank
Texas		
NERC Region(s).....		ERCOT/SPP/WSCC/SERC
Primary Energy Source		Gas
Net Summer Capability (megawatts).....	94,488	1
Electric Utilities	38,903	2
Independent Power Producers & Combined Heat and Power	55,585	1
Net Generation (megawatthours)	385,628,543	1
Electric Utilities	149,587,269	2
Independent Power Producers & Combined Heat and Power	236,041,274	1
Emissions (thousand short tons)		
Sulfur Dioxide	629	4
Nitrogen Oxide.....	347	3
Carbon Dioxide.....	269,909	1
Sulfur Dioxide/sq. mile.....	2	28
Nitrogen Oxide/sq. mile.....	1	28
Carbon Dioxide/sq. mile.....	1,031	26
Utility and ESP Retail Electricity Sales (megawatthours).....	320,845,849	1
Utility Retail Electricity Sales (megawatthours)	320,844,140	1
ESP Retail Electricity Sales (megawatthours)	1,709	19
Direct Use (megawatthours).....	36,166,892	1
Average Retail Price (cents/kWh).....	6.62	23

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capability, 2002

Plant	Energy Sources	Operating Company	Net Capability (MW)
Texas			
1. W A Parish	Gas, Coal	CenterPoint Energy Houston Elec	3,766
2. South Texas Project.....	Nuclear	CenterPoint Energy Houston Elec	2,529
3. Cedar Bayou	Gas	CenterPoint Energy Houston Elec	2,320
4. P H Robinson.....	Gas	CenterPoint Energy Houston Elec	2,265
5. Martin Lake	Petroleum, Coal	TXU Generation Co LP	2,250
6. Comanche Peak	Nuclear	TXU Generation Co LP	2,208
7. Monticello	Petroleum, Coal	TXU Generation Co LP	1,875
8. Sabine.....	Petroleum, Gas	Entergy Gulf States Inc	1,843
9. Limestone.....	Gas, Coal	CenterPoint Energy Houston Elec	1,646
10. Fayette Power Project.....	Petroleum, Coal	Lower Colorado River Authority	1,605

See footnotes at end of tables.

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

Utility	All Sectors	Residential	Commercial	Industrial	Other
Texas					
A. TXU Energy Retail Co LP.....	89,456,982	37,118,787	20,133,202	32,204,993	0
B. Reliant Energy Retail Serv LLC.....	33,941,943	20,892,300	13,049,643	0	0
C. Reliant Energy Solutions LLC.....	23,015,860	0	0	23,015,860	0
D. San Antonio Public Service Bd	17,000,863	7,254,629	4,943,111	2,903,812	1,899,311
E. Entergy Gulf States, Inc	14,987,342	4,981,688	3,577,511	6,172,852	255,291
Total	178,402,990	70,247,404	41,703,467	64,297,517	2,154,602
Percentage of Utility Sales.....	56	58	48	63	23

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
Texas							
Coal	19,335	19,587	12,398	-4.8	27.1	26.7	13.1
Petroleum	29	36	4	-19.4	.0	.0	.0
Natural Gas	9,005	9,111	11,031	2.3	12.6	12.4	11.7
Dual Fired	30,065	30,623	12,244	-9.5	42.1	41.7	13.0
Nuclear	4,782	4,800	2,529	-6.8	6.7	6.5	2.7
Hydroelectric	652	686	690	.6	.9	.9	.7
Other Renewables	*	1	7	45.5	.0	.0	.0
Other	0	13	0	NM	.0	.0	.0
Total Electric Utilities	63,868	64,857	38,903	-5.4	89.4	88.3	41.2
Coal	338	340	7,798	41.7	.5	.5	8.3
Petroleum	74	70	469	22.7	.1	.1	.5
Natural Gas	5,466	6,589	25,348	18.6	7.7	9.0	26.8
Other Gases	131	156	295	9.5	.2	.2	.3
Dual Fired	1,282	1,130	18,141	34.2	1.8	1.5	19.2
Nuclear	0	0	2,208	NM	.0	.0	2.3
Hydroelectric	0	2	7	NM	.0	.0	.0
Other Renewables	218	242	1,200	20.9	.3	.3	1.3
Other	70	70	118	6.0	.1	.1	.1
Total IPP's & Combined Heat and Power	7,578	8,597	55,585	24.8	10.6	11.7	58.8
Coal	19,673	19,927	20,196	.3	27.5	27.1	21.4
Petroleum	103	105	473	18.5	.1	.1	.5
Natural Gas	14,470	15,700	36,379	10.8	20.3	21.4	38.5
Other Gases	131	156	295	9.5	.2	.2	.3
Dual Fired	31,347	31,753	30,385	-3	43.9	43.2	32.2
Nuclear	4,782	4,800	4,737	-1	6.7	6.5	5.0
Hydroelectric	652	687	697	.8	.9	.9	.7
Other Renewables	218	243	1,208	21.0	.3	.3	1.3
Other	70	83	118	6.0	.1	.1	.1
Total Electric Industry	71,446	73,454	94,488	3.2	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
Texas							
Coal	128,266,337	135,696,240	90,259,574	-3.8	42.8	40.3	23.4
Petroleum	452,909	187,844	25,987	-27.2	.2	.1	.0
Natural Gas	104,966,938	102,163,775	39,173,483	-10.4	35.0	30.4	10.2
Nuclear	12,406,774	37,357,647	19,049,602	4.9	4.1	11.1	4.9
Hydroelectric	1,786,405	1,784,629	1,076,338	-5.5	.6	.5	.3
Other Renewables	294,877	212	2,285	-41.7	.1	.0	.0
Total Electric Utilities	248,174,240	277,190,347	149,587,269	-5.5	82.8	82.4	38.8
Coal	2,779,665	2,794,862	51,587,666	38.3	.9	.8	13.4
Petroleum	1,401,559	1,335,993	1,594,978	1.4	.5	.4	.4
Natural Gas	42,327,176	49,340,994	157,259,927	15.7	14.1	14.7	40.8
Other Gases	3,281,371	3,705,248	3,052,992	-8	1.1	1.1	.8
Nuclear	0	0	16,568,402	NM	.0	.0	4.3
Hydroelectric	0	6,121	47,154	NM	.0	.0	.0
Other Renewables	1,323,574	1,541,710	3,991,150	13.0	.4	.5	1.0
Other	401,131	404,237	1,939,005	19.1	.1	.1	.5
Total IPP's & Combined Heat and Power	51,514,476	59,129,165	236,041,274	18.4	17.2	17.6	61.2
Coal	131,046,002	138,491,102	141,847,240	.9	43.7	41.2	36.8
Petroleum	1,854,468	1,523,837	1,620,965	-1.5	.6	.5	.4
Natural Gas	147,294,114	151,504,769	196,433,410	3.3	49.1	45.0	50.9
Other Gases	3,281,371	3,705,248	3,052,992	-8	1.1	1.1	.8
Nuclear	12,406,774	37,357,647	35,618,004	12.4	4.1	11.1	9.2
Hydroelectric	1,786,405	1,790,750	1,123,492	-5.0	.6	.5	.3
Other Renewables	1,618,451	1,541,922	3,993,435	10.6	.5	.5	1.0
Other	401,131	404,237	1,939,005	19.1	.1	.1	.5
Total Electric Industry	299,688,716	336,319,512	385,628,543	2.8	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)
Texas				
Coal (2002 cents per million Btu)	160.0	129.4	126.5	-2.6
Average heat value (Btu per pound)	7,284	7,423	7,700	.6
Average sulfur Content(percent)7	.7	.7	-1.1
Petroleum (2002 cents per million Btu)	199.1	351.1	199.6	*
Average heat value (Btu per gallon)	112,765	114,810	138,090	2.3
Average sulfur Content(percent)	1.9	3.5	3.9	8.6
Gas (2002 cents per million Btu)	268.4	270.6	331.7	2.4
Average heat value (Btu per cubic foot)	1,026	1,023	1,019	-.1

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)
Texas				
Sulfur Dioxide				
Coal	601	712	612	0.2
Petroleum	49	39	6	-21.0
Gas	*	*	0	NM
Other	4	6	6	3.5
Total	655	757	623	-5
Nitrogen Oxide				
Coal	472	280	187	-9.8
Petroleum	4	3	3	-1.8
Gas	174	191	151	-1.6
Other	3	4	6	6.4
Total	653	478	347	-6.8
Carbon Dioxide				
Coal	145,253	154,993	164,436	1.4
Petroleum	2,296	1,921	2,473	.8
Gas	85,190	87,396	103,000	2.1
Total	232,738	244,310	269,909	1.7

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
Texas							
Retail Sales (thousand megawatthours)							
Residential	87,686	101,094	121,435	3.7	35.1	35.3	37.8
Commercial	64,331	72,042	87,746	3.5	25.7	25.1	27.3
Industrial	86,933	100,429	102,251	1.8	34.8	35.0	31.9
Other	11,134	13,138	9,414	-1.8	4.4	4.6	2.9
Total	250,084	286,704	320,846	2.8	100.0	100.0	100.0
Retail Sales Revenue (million 2002 dollars)							
Residential	7,817	8,123	9,778	2.5	43.9	44.7	46.0
Commercial	4,976	4,987	6,095	2.3	27.9	27.4	28.7
Industrial	4,185	4,184	4,761	1.4	23.5	23.0	22.4
Other	828	871	616	-3.2	4.6	4.8	2.9
Total	17,805	18,165	21,251	2.0	100.0	100.0	100.0
Average Revenue per Kilowatthour (2002 cents/kWh)							
Residential	8.91	8.04	8.05	-1.1	NA	NA	NA
Commercial	7.73	6.92	6.95	-1.2	NA	NA	NA
Industrial	4.81	4.17	4.66	-4	NA	NA	NA
Other	7.44	6.63	6.55	-1.4	NA	NA	NA
Total	7.12	6.34	6.62	-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
Texas						
Number of Entities	6	118	0	60	1	185
Number of Retail Customers	332,048	8,438,624	0	1,496,304	1	10,266,977
Retail Sales (thousand megawatthours).....	5,625	285,782	0	29,437	2	320,846
Percentage of Retail Sales.....	1.75	89.07	.00	9.17	.00	100.00
Revenue from Retail Sales (million 2002 dollars)	544	18,580	0	2,126	0	21,251
Percentage of Revenue.....	2.56	87.43	.00	10.00	.00	100.00
Revenue per Kilowatthour (2002 cents/kWh).....	9.68	6.50	.00	7.22	0	6.62

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 "**".)