

Table 1. 2002 Summary Statistics

Item	Value	U.S. Rank
Kansas		
NERC Region(s).....		SPP/MAPP
Primary Energy Source		Coal
Net Summer Capability (megawatts).....	10,396	31
Electric Utilities	10,244	23
Independent Power Producers & Combined Heat and Power	152	48
Net Generation (megawatthours)	47,188,446	28
Electric Utilities	46,691,936	22
Independent Power Producers & Combined Heat and Power	496,510	47
Emissions (thousand short tons)		
Sulfur Dioxide	130	24
Nitrogen Oxide	95	21
Carbon Dioxide	43,523	24
Sulfur Dioxide/sq. mile.....	2	31
Nitrogen Oxide/sq. mile.....	1	31
Carbon Dioxide/sq. mile.....	532	33
Utility and ESP Retail Electricity Sales (megawatthours).....	36,713,540	32
Utility Retail Electricity Sales (megawatthours)	36,713,540	32
Direct Use (megawatthours).....	7,994	42
Average Retail Price (cents/kWh).....	6.31	25

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capability, 2002

Plant	Energy Sources	Operating Company	Net Capability (MW)
Kansas			
1. Jeffrey Energy Center.....	Petroleum, Coal	Western Resources Inc	2,212
2. La Cygne.....	Petroleum, Coal	Kansas City Power & Light Co	1,362
3. Wolf Creek Generating	Nuclear	Wolf Creek Nuclear Optg Corp	1,170
4. Gordon Evans Energy C	Petroleum, Gas	Kansas Gas & Electric Co	833
5. Lawrence Energy Cente	Gas, Coal	Western Resources Inc	598
6. Hutchinson Energy Cen.....	Petroleum, Gas	Western Resources Inc	478
7. Holcomb.....	Gas, Coal	Sunflower Electric Power Corp	360
8. Murray Gill	Petroleum, Gas	Kansas Gas & Electric Co	323
9. Quindaro.....	Petroleum, Gas, Coal	Kansas City City of	316
10. Tecumseh Energy Cente.....	Gas, Coal	Western Resources Inc	284

See footnotes at end of tables.

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

Utility	All Sectors	Residential	Commercial	Industrial	Other
Kansas					
A. Western Resources, Inc	9,539,068	3,281,055	4,141,584	2,053,967	62,462
B. Kansas Gas & Electric Company.....	9,005,365	2,889,469	2,675,312	3,396,771	43,813
C. Kansas City Power & Light Co	5,771,059	2,550,772	2,826,563	374,782	18,942
D. Board of Public Utilities	2,271,425	568,601	806,032	822,335	74,457
E. UtiliCorp United, Inc	1,831,780	489,924	558,259	760,050	23,547
Total	28,418,697	9,779,821	11,007,750	7,407,905	223,221
Percentage of Utility Sales.....	77	77	82	73	59

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
Kansas							
Coal	5,189	5,364	5,310	0.3	53.2	54.5	51.1
Petroleum	214	216	265	2.4	2.2	2.2	2.5
Natural Gas	532	378	590	1.1	5.5	3.8	5.7
Dual Fired	2,637	2,666	2,910	1.1	27.0	27.1	28.0
Nuclear	1,134	1,163	1,170	.3	11.6	11.8	11.3
Other Renewables	*	0	0	NM	.0	.0	.0
Total Electric Utilities	9,706	9,786	10,244	.6	99.5	99.5	98.5
Petroleum	4	4	4	.2	.0	.0	.0
Natural Gas	1	6	29	42.3	.0	.1	.3
Dual Fired	37	37	4	-22.5	.4	.4	.0
Hydroelectric	2	2	2	.6	.0	.0	.0
Other Renewables	0	0	112	NM	.0	.0	1.1
Total IPP's & Combined Heat and Power	44	49	152	14.6	.5	.5	1.5
Coal	5,189	5,364	5,310	.3	53.2	54.5	51.1
Petroleum	218	220	269	2.4	2.2	2.2	2.6
Natural Gas	533	383	619	1.7	5.5	3.9	6.0
Dual Fired	2,674	2,703	2,914	1.0	27.4	27.5	28.0
Nuclear	1,134	1,163	1,170	.3	11.6	11.8	11.3
Hydroelectric	2	2	2	.6	.0	.0	.0
Other Renewables	*	0	112	135.6	.0	.0	1.1
Total Electric Industry	9,750	9,836	10,396	.7	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
Kansas							
Coal	26,799,665	27,235,875	35,369,189	3.1	72.9	71.8	75.0
Petroleum	76,463	109,885	508,857	23.4	.2	.3	1.1
Natural Gas	1,656,848	2,067,501	1,772,188	.8	4.5	5.5	3.8
Nuclear	7,899,543	8,430,455	9,041,702	1.5	21.5	22.2	19.2
Other Renewables	58	0	0	NM	.0	.0	.0
Total Electric Utilities	36,432,577	37,843,716	46,691,936	2.8	99.2	99.8	98.9
Petroleum	19,400	878	222	-39.2	.1	.0	.0
Natural Gas	285,606	59,010	16,864	-27.0	.8	.2	.0
Hydroelectric	4,985	13,881	12,746	11.0	.0	.0	.0
Other Renewables	0	0	466,679	NM	.0	.0	1.0
Total IPP's & Combined Heat and Power	309,990	73,769	496,510	5.4	.8	.2	1.1
Coal	26,799,665	27,235,875	35,369,189	3.1	72.9	71.8	75.0
Petroleum	95,863	110,763	509,078	20.4	.3	.3	1.1
Natural Gas	1,942,454	2,126,511	1,789,052	-9	5.3	5.6	3.8
Nuclear	7,899,543	8,430,455	9,041,702	1.5	21.5	22.2	19.2
Hydroelectric	4,985	13,881	12,746	11.0	.0	.0	.0
Other Renewables	58	0	466,679	171.6	.0	.0	1.0
Total Electric Industry	36,742,567	37,917,485	47,188,446	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)
Kansas				
Coal (2002 cents per million Btu)	113.9	105.0	98.3	-1.6
Average heat value (Btu per pound)	8,654	8,766	8,548	-.1
Average sulfur Content(percent)4	.5	.4	.3
Petroleum (2002 cents per million Btu)	448.6	289.9	272.7	-5.4
Average heat value (Btu per gallon)	138,636	154,118	152,240	1.0
Average sulfur Content(percent)	1.7	1.1	1.6	-.8
Gas (2002 cents per million Btu).....	258.7	265.5	309.4	2.0
Average heat value (Btu per cubic foot).....	975	978	1,000	.3

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)
Kansas				
Sulfur Dioxide				
Coal	70	108	124	6.6
Petroleum	*	1	5	31.5
Gas.....	0	0	0	NM
Total	71	109	130	7.0
Nitrogen Oxide				
Coal	116	78	91	-2.7
Petroleum	*	*	1	28.5
Gas.....	3	4	3	-.3
Total	120	83	95	-2.5
Carbon Dioxide				
Coal	31,540	32,472	41,781	3.2
Petroleum	105	127	504	19.1
Gas.....	1,363	1,526	1,238	-1.1
Total	33,007	34,126	43,523	3.1

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
Kansas							
Retail Sales (thousand megawatthours)							
Residential.....	9,986	10,862	12,745	2.8	34.7	33.7	34.7
Commercial.....	9,753	11,424	13,392	3.6	33.9	35.4	36.5
Industrial.....	8,702	9,365	10,195	1.8	30.2	29.0	27.8
Other.....	367	618	381	.4	1.3	1.9	1.0
Total.....	28,808	32,270	36,714	2.7	100.0	100.0	100.0
Retail Sales Revenue (million 2002 dollars)							
Residential.....	875	860	977	1.2	41.3	41.1	42.2
Commercial.....	728	759	841	1.6	34.4	36.3	36.3
Industrial.....	479	434	462	-.4	22.6	20.8	19.9
Other.....	36	38	35	-.3	1.7	1.8	1.5
Total.....	2,119	2,092	2,315	1.0	100.0	100.0	100.0
Average Revenue per Kilowatthour (2002 cents/kWh)							
Residential.....	8.76	7.92	7.67	-1.5	NA	NA	NA
Commercial.....	7.47	6.64	6.28	-1.9	NA	NA	NA
Industrial.....	5.51	4.64	4.53	-2.1	NA	NA	NA
Other.....	9.93	6.14	9.30	-7	NA	NA	NA
Total.....	7.35	6.48	6.31	-1.7	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
Kansas						
Number of Entities.....	4	124	0	26	0	154
Number of Retail Customers.....	865,469	340,274	0	173,604	0	1,379,347
Retail Sales (thousand megawatthours).....	24,338	9,133	0	3,242	0	36,714
Percentage of Retail Sales.....	66.29	24.88	.00	8.83	.00	100.00
Revenue from Retail Sales (million 2002 dollars).....	1,464	578	0	274	0	2,315
Percentage of Revenue.....	63.24	24.94	.00	11.82	.00	100.00
Revenue per Kilowatthour (2002 cents/kWh).....	6.02	6.32	.00	8.44	0	6.31

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 ".5").