

Kansas Energy Abstract

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Kansas Geological Survey**

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Note: The data in these tables, maps, and graphs was compiled by Kansas Geological Survey staff from a variety of sources (including data from the University of Kansas Policy Research Institute) for the State Energy Resources Coordination Council.

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Table 1. Energy Consumption by Sector in Kansas, 1999. Note: some totals may not equal sum of contents due to independent rounding; s = Btu value is less than 0.05. Source: U.S. Dept. of Energy, Energy Information Administration, *State Energy Data Report, 1999: Consumption Estimates, May 2001*. Table provided by the KU Policy Research Institute.

Source	Sector				Total Excl. Utilities	Electric Utility Use	Total
	Resident.	Commerc.	Indust.	Transport.			
	Trillion Btu						
Coal	0.1	s	2.7	0.0	2.8	325.9	328.8
Natural Gas	67.8	39.5	127.1	31.6	266.0	36.2	302.2
Petroleum	14.1	5.0	157.6	256.2	432.9	3.8	436.7
Nuclear Electric Power	0.0	0.0	0.0	0.0	0.0	97.3	97.3
Hydro-electric Power	0.0	0.0	0.1	0.0	0.1	s	0.1
Wood and Waste	4.3	0.6	1.6	0.0	6.5	0.0	6.4
Ethanol	0.0	0.0	0.0	0.5	0.5	0.0	0.5
Solar	s	0.0	0.0	0.0	s	0.0	s
Geothermal	s	0.2	0.0	0.0	0.2	0.0	
Electricity	38.7	41.8	34.9	0.0	115.4		
Net Energy	125.0	87.1	324.0	288.3	824.4	463.2	
Electric System	75.9	81.9	68.3	0.0	226.1		
Energy Losses							
Net Interstate Flow/Loss						-121.7	
Total Energy Consumption	200.9	169.2	392.2	287.8	1,050.0		

Table 2. Energy Consumption Estimates by Source in Kansas, 1995–1999. Note: Totals may not equal sum of components due to independent rounding; * = includes geothermal, wind, photovoltaic, and solar thermal energy; ** = negative numbers indicate that more electricity went out of the state than came into the state; s = Btu value less than 0.05; r = revised. Source: U.S. Dept. of Energy, Energy Information Administration, *State Energy Data Report 1999: Consumption Estimates, May 2001*. Table provided by the KU Policy Research Institute.

Sector	Trillion Btu					
	1995	1996	1997	1998	1999	1999
Coal	289.6	338.6	310.8	338.6	309.3	328.8
Natural Gas	369.1	362.0	339.5	362	325.3	302.2
Petroleum	366.0	387.8	395.0	379.7	394.5	436.7
Nuclear Electric Power	107.2	87.2	89.6	87.2	110.6	97.3
Hydro-electric Power	0.1	0.1	0.2	0.1	0.1	0.1
Biomass	8.8	8.9	7.1	8.1	4.9	6.4
Other*	0.2	0.2	0.2	s	0.3	0.3
Net Interstate Flow of Electricity/Losses**	-101.4	-115.2	-84.6	-115.5	-98.7	-121.7
Total	1,039.8	1,069.7	1,057.9	1,060.0	1,046.2	1,050.0

Table 3. Oil Production in Kansas, 1889–2000, Selected Years (+ = less than 1,0; r = revised). Source: Oil and gas production data from the Kansas Geological Survey web site (www.kgs.ukans.edu). Table provided by the University of Kansas Policy Research Institute.

Year	Barrels (thousands)	Year	Barrels (thousands)
1889	+	1982	67,010
1899	85	1983	69,389
1909	1,264	1984	75,226
1919	33,048	1985	75,407
1929	42,813	1986	67,034
1939	60,703	1987	59,885
1949	100,164	1988	57,910
1959	119,474	1989	56,290
1969	88,716	1990	55,704
1970	84,853	1991	56,764
1972	73,744	1992	53,173
1973	66,227	1993	48,362
1974	61,691	1994	47,333
1975	59,106	1995	45,836r
1976	58,714	1996	44,001r
1977	57,496	1997	49,291r
1978	56,619	1998	36,413r
1979	56,145	1999	33,993r
1980	58,541	2000	35,133r
1981	64,023	2001	34,104

Table 4. Natural Gas Production in Kansas, 1886–2000, Selected Years (thousand cubic feet). r = revised.
 Source: Oil and gas production data from the Kansas Geological Survey web site (www.kgs.ukans.edu).
 Table provided by the University of Kansas Policy Research Institute.

Year	Quantity	Year	Quantity
1886	68,220	1980	694,406,900
1896	1,218,408	1981	611,932,300
1906	69,323,000	1982	428,810,300
1916	31,710,000	1983	429,893,300
1926	38,095,000	1984	484,118,000
1936	69,178,000	1985	517,224,330
1946	143,005,000	1986	451,993,944
1956	525,931,757	1987	459,468,000
1966	856,422,000	1988	560,046,000
1967	881,139,000	1989	593,456,325
1968	848,381,000	1990	559,865,392
1969	888,039,000	1991	613,616,762
1970	909,413,000	1992	620,775,435
1972	898,618,000	1993	679,553,636
1973	898,618,000	1994	689,029,117
1974	894,308,000	1995	740,037,762r
1975	850,786,000	1996	743,085,806r
1976	836,206,000	1997	691,165,392r
1977	787,917,000	1998	608,638,900r
1978	852,401,000	1999	567,245,051r
1979	803,645,200	2000	532,327,244r
		2001	480,944,297

Table 5. Wells Drilled in Kansas Each Year, 1980–2002. Source: Wells selected by SPUD_DATE column in Kansas Geological Survey’s master list of oil and gas wells. Source: Kansas Geological Survey.

Year	Oil	Gas	Dry	Other
1980	3,440	728	2,874	254
1981	4,112	722	3,919	402
1982	3,989	590	3,275	432
1983	3,706	401	3,076	369
1984	3,091	575	3,237	424
1985	2,652	526	2,547	553
1986	1,212	412	1,264	322
1987	1,335	609	1,367	636
1988	1,074	711	1,034	410
1989	1,054	624	1,028	389
1990	1,649	779	1,104	464
1991	1,481	503	1,057	387
1992	1,003	432	823	302
1993	763	417	648	216
1994	497	700	530	228
1995	549	644	469	210
1996	604	493	540	193
1997	666	584	527	205
1998	223	345	321	86
1999	274	296	211	97
2000	611	522	255	132
2001	581	784	354	171
2002	294	242	73	33

Table 6. Kansas Energy Balance. Sources: State Energy Data Report (various years), Energy Information Administration, DOE/EIA-0214 (various years) and Kansas Geological Survey.

Year	Total Energy Production	Total Energy Consumption	Net Energy Production
1960	1,357	633	724
1961	1,388	620	768
1962	1,448	642	806
1963	1,509	644	865
1964	1,542	660	882
1965	1,504	725	779
1966	1,566	766	800
1967	1,573	724	849
1968	1,508	794	714
1969	1,530	841	689
1970	1,536	874	661
1971	1,505	910	595
1972	1,490	961	530
1973	1,455	963	492
1974	1,402	959	443
1975	1,331	932	399
1976	1,308	968	340
1977	1,274	977	297
1978	1,357	1,034	322
1979	1,274	1,132	142
1980	1,216	1,029	187
1981	1,139	951	188
1982	945	945	0
1983	967	916	51
1984	1,036	1,018	18
1985	1,077	1,022	56
1986	974	977	-3
1987	959	1,017	-58
1988	1,036	1,070	-34
1989	1,039	1,038	1
1990	1,002	1,037	-34
1991	1,090	1,027	63
1992	1,103	1,017	86
1993	1,107	1,043	65
1994	1,128	1,073	55
1995	1,120	1,040	80
1996	1,107	1,070	37
1997	1,045	1,058	-13
1998	942	1,046	-105
1999	901	1,050	-149
2000	854	1,127	-263

Table 7. Kansas Energy Production by Source, 1960–2000 (physical units). Sources: Energy Information Administration (EIA) and Kansas Geological Survey.

Year	Coal	Natural Gas	Crude Oil	LPG	Ethanol	Nuclear Electric Power	Hydro-electric	Biomass	Other
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels	Thousand Barrels	Million Gallons	Million Kilowatthours			
1960	876	633	113,345	7,119		0	0	0	0
1961	667	676	112,211	6,692		0	0	0	0
1962	918	725	112,229	7,474		0	0	0	0
1963	1,164	773	109,063	13,505		0	0	0	0
1964	1,265	809	106,252	16,009		0	0	0	0
1965	1,311	800	104,707	10,811		0	0	0	0
1966	1,123	856	103,713	14,462		0	0	0	0
1967	1,136	876	99,200	18,206		0	0	0	0
1968	1,269	840	94,505	17,472		0	0	0	0
1969	1,312	888	88,716	18,937		0	0	0	0
1970	1,621	904	84,853	19,970		0	0	0	0
1971	1,153	890	78,532	28,626		0	0	0	0
1972	1,227	894	73,744	30,604		0	0	0	0
1973	1,310	897	66,277	31,378		0	0	0	0
1974	679	889	61,691	30,718		0	0	0	0
1975	517	846	59,106	28,799		0	0	0	0
1976	576	832	58,714	26,810		0	5	0	0
1977	1,043	784	57,496	30,000		0	3	0	0
1978	1,226	857	56,619	32,300		0	5	0	0
1979	806	800	56,145	29,000		0	4	0	0
1980	982	737	58,541	26,000		0	8	0	0
1981	876	642	64,023	24,000		0	8	0	0
1982	1,401	442	70,029	14,000		0	7	0	0
1983	1,271	449	71,694	17,000		0	6	0	0
1984	1,328	482	75,348	20,000		0	7	0	0
1985	994	530	75,417	20,000		0	9	0	0
1986	1,486	468	66,844	19,000		0	8.4	0	0
1987	2,021	474	60,950	19,000		0	9	0	0
1988	737	594	58,960	18,000		0	12	0	0
1989	856	603	57,336	18,000		0	10	0	0
1990	721	575	57,361	17,000		0	12	0	0.045
1991	416	630	58,432	26,000		0	9.0	0	0.042
1992	363	660	54,904	27,000		0	0	0	0.113
1993	341	688	50,829	27,000		0	0	0	0.058
1994	284	715	48,509	29,000		0	0	0	0.055
1995	285	723	45,645	29,000		0	0	0	0.026
1996	232	716	43,824	31,000		0	0.0	0	0
1997	360	689	41,290	25,000		0	0.0	0	0
1998	341	605	36,413	28,000		0	11.5	0	0
1999	409	555	33,987	34,455		0	12.0	0	0
2000	201	527	35,145	28,000	43.5	0	12.0	0	0

Table 8. Kansas Energy Production by Source, 1960–2000 (trillion BTU). Sources: Energy Information Administration (EIA) and Kansas Geological Survey.

Year	Trillion Btu								
	Coal	Natural Gas	Petroleum	LPG	Ethanol	Nuclear Electric Power	Hydro-electric	Biomass	Other
1960	21.1	650	657.40	28.55		0.0	0.0	0.0	0.0
1961	16.1	694	650.82	26.84		0.0	0.0	0.0	0.0
1962	22.1	745	650.93	29.98		0.0	0.0	0.0	0.0
1963	28.1	794	632.57	54.17		0.0	0.0	0.0	0.0
1964	30.5	831	616.26	64.21		0.0	0.0	0.0	0.0
1965	31.6	822	607.30	43.36		0.0	0.0	0.0	0.0
1966	27.1	880	601.54	58.01		0.0	0.0	0.0	0.0
1967	27.4	900.0	575.36	69.87		0.0	0.0	0.0	0.0
1968	30.6	862.4	548.13	66.71		0.0	0.0	0.0	0.0
1969	31.6	911.6	514.55	72.06		0.0	0.0	0.0	0.0
1970	39.1	928.9	492.15	75.47		0.0	0.0	0.0	0.0
1971	27.8	913.6	455.49	107.98		0.0	0.0	0.0	0.0
1972	29.6	917.9	427.72	115.07		0.0	0.0	0.0	0.0
1973	31.6	921.5	384.41	117.54		0.0	0.0	0.0	0.0
1974	16.4	913.5	357.81	114.58		0.0	0.0	0.0	0.0
1975	12.5	869.0	342.81	106.99		0.0	0.0	0.0	0.0
1976	13.9	854.1	340.54	99.49		0.0	0.02	0.0	0.0
1977	25.1	804.8	333.48	110.31		0.0	0.01	0.0	0.0
1978	29.5	880.2	328.39	118.51		0.0	0.02	0.0	0.0
1979	19.4	821.8	325.64	106.72		0.0	0.01	0.0	0.0
1980	23.7	757.2	339.54	95.52		0.0	0.03	0.0	0.0
1981	21.1	659.2	371.33	87.43		0.0	0.03	0.0	0.0
1982	33.8	454.2	406.17	50.61		0.0	0.02	0.0	0.0
1983	28.9	460.6	415.83	61.44		0.0	0.02	0.0	0.0
1984	32.0	494.6	437.02	71.98		0.0	0.02	0.0	0.0
1985	24.0	543.9	437.42	72.06		0.0	0.03	0.0	0.0
1986	35.8	480.9	387.70	69.16		0.0	0.03	0.0	0.0
1987	48.7	486.9	353.51	69.52		0.0	0.03	0.0	0.0
1988	17.8	610.4	341.97	65.74		0.0	0.04	0.0	0.0
1989	20.6	619.0	332.55	66.29		0.0	0.03	0.0	0.0
1990	17.4	590.6	332.69	61.63		0.0	0.04	0.0	0.0002
1991	10.1	647.2	338.90	93.96		0.0	0.03	0.0	0.0001
1992	8.9	677.6	318.44	97.85		0.0	0.0	0.0	0.0004
1993	8.2	706.7	294.81	97.36		0.0	0.0	0.0	0.0002
1994	6.8	734.7	281.35	105.42		0.0	0.0	0.0	0.0002
1995	6.9	742.9	264.74	105.07		0.0	0.0	0.0	0.0001
1996	5.6	735.0	254.18	112.00		0.0	0.000	0.0	0.0000
1997	8.1	707.0	239.48	90.40		0.0	0.000	0.0	0.0
1998	7.7	621.6	211.19	101.25		0.0	0.039	0.0	0.0
1999	9.2	569.9	197.12	124.59		0.0	0.041	0.0	0.0
2000	4.5	541.4	203.84	101.25	3.3	0.0	0.041	0.0	0.0

Table 9. Annual Kansas Coal Production, 1930–2000 (in thousand short tons). Sources: Self and Huber, 1978; Larry Brady, Kansas Geological Survey, personal communication, 1999; *Coal Industry Annual*, various years, DOE/EIA.

Year	Total	Number of Coal Mines	Year	Total	Number of Coal Mines
1930	2,603		1966	1,123	8
1931	2,248		1967	1,136	8
1932	2,348		1968	1,269	7
1933	2,412		1969	1,312	7
1934	2,551		1970	1,621	6
1935	2,773		1971	1,153	6
1936	3,147		1972	1,227	4
1937	3,148		1973	1,310	6
1938	2,790		1974	679	6
1939	3,007		1975	517	6
1940	3,693		1976	576	5
1941	4,008		1977	1,043	10
1942	4,209		1978	1,226	9
1943	3,388		1979	806	8
1944	3,316		1980	982	8
1945	3,198		1981	1313	8
1946	2,520		1982	1,401	6
1947	2,720		1983	1,271	7
1948	2,504		1984	1,328	6
1949	1,878		1985	994	4
1950	2,146		1986	1,486	6
1951	1,951		1987	2,021	5
1952	2,016		1988	737	6
1953	1,720		1989	856	5
1954	1,315		1990	721	4
1955	739		1991	416	3
1956	876		1992	363	2
1957	749		1993	341	2
1958	823		1994	284	1
1959	772		1995	285	1
1960	876	17	1996	232	1
1961	667	15	1997	360	3
1962	918	17	1998	341	4
1963	1,164	15	1999	409	4
1964	1,265	11	2000	201	1
1965	1,311	10			

Table 10. Kansas Oil Production and Number of Producing Wells by County, 1998–2002. Source: Kansas Geological Survey.

County	1999		2000		2001		2002	
	Production	Wells	Production	Wells	Production	Wells	Production	Wells
Anderson	203,735	1,439	200,118	1,419	188,043	1,392	117,873	1,316
Atchison								
Barber	470,288	610	473,796	628	463,374	649	345,616	622
Barton	1,528,182	1,558	1,600,114	1,577	1,480,976	1,567	967,739	1,517
Bourbon	41,175	534	40,456	519	38,293	519	23,382	432
Brown								
Butler	1,216,702	1,341	1,277,954	1,358	1,282,138	1,305	772,506	1,261
Chase	37,592	35	39,912	55	38,535	60	26,927	66
Chautauqua	246,812	1,075	238,488	1,196	218,035	1,154	139,173	1,091
Cherokee								
Cheyenne	61,970	21	75,936	23	95,935	21	77,049	18
Clark	126,300	127	126,464	133	111,011	106	79,124	101
Clay	2,928	3	2,500	3	2,399	3	1,533	3
Coffey	133,453	711	137,402	701	148,705	728	97,872	713
Comanche	192,308	159	318,980	166	724,295	203	691,726	194
Cowley	466,866	768	470,878	779	488,140	735	330,206	716
Crawford	17,467	332	18,253	338	18,987	347	12,533	350
Decatur	120,455	131	130,423	126	131,553	131	98,319	126
Dickinson	15,677	34	14,501	32	12,163	34	8,535	28
Douglas	41,913	272	36,632	269	32,671	261	20,188	254
Edwards	212,679	302	203,564	289	212,338	291	153,505	273
Elk	69,366	308	76,333	322	77,674	306	47,981	288
Ellis	2,502,824	2,080	2,761,846	2,108	2,808,143	2,122	1,925,543	2,087
Ellsworth	316,172	313	325,931	312	304,696	302	198,792	282
Finney	2,888,154	485	2,426,745	530	2,097,049	497	1,272,678	473
Ford	74,338	43	75,802	41	70,398	38	44,932	37
Franklin	90,855	1,535	97,005	1,622	90,503	1,574	58,466	1,524
Geary	1,423	1	1,376	2	664	1	866	1
Gove	451,340	251	451,486	262	427,392	264	267,484	255
Graham	860,018	665	940,594	650	925,390	655	658,903	652
Grant	296,599	39	307,306	42	344,321	45	272,173	44
Gray	106,338	36	101,539	36	92,888	36	59,487	35
Greeley	129,961	36	184,831	44	140,936	43	84,248	39
Greenwood	557,146	1,401	596,150	1,428	554,947	1,385	345,452	1,346
Hamilton	2,043	3	334	1	1,161	1	1,353	1
Harper	348,845	405	306,196	410	330,045	417	218,092	390
Harvey	136,517	121	133,121	124	138,524	125	94,142	124
Haskell	1,700,579	426	2,336,890	469	2,130,866	513	1,174,337	478
Hodgeman	369,323	215	398,401	207	379,981	206	245,434	207
Jackson	4	7						
Jefferson	20,555	53	21,547	45	27,217	45	17,281	64
Johnson	177,086	652	168,286	679	156,875	649	90,773	617
Kearny	347,049	110	337,118	107	301,307	105	191,643	108
Kingman	503,080	660	466,472	630	480,517	628	326,617	617
Kiowa	360,999	276	341,781	272	311,762	247	228,005	241
Labette	13,970	114	10,867	88	13,921	79	6,218	73
Lane	516,786	276	546,922	274	472,905	264	283,365	252
Leavenworth	78,638	162	81,564	162	73,523	163	53,019	165
Linn	67,510	795	71,304	814	73,660	782	53,777	678
Logan	27,1831	98	254,805	100	219,281	102	154,236	93
Lyon	21,756	55	19,656	51	19,840	50	13,325	43
Mcpherson	47,4208	603	455,567	603	440,270	595	291,615	567

Table 10, continued.

County	1999 Production Wells		2000 Production Wells		2001 Production Wells		2002 Production Wells	
Marion	151,501	443	155,875	447	141,472	420	90,094	395
Meade	207,288	210	193,603	129	198,450	126	157,578	120
Miami	133,582	2,038	135,909	2,047	122,088	1,948	79,672	1,792
Montgomery	100,192	998	99,025	1,078	88,279	1,039	68,086	914
Morris	101,709	91	102,751	89	96,051	89	62,672	85
Morton	574,126	203	512,880	202	508,705	200	334,181	204
Nemaha	64,531	29	58,470	28	54,957	26	33,573	27
Neosho	41,558	787	48,025	861	45,035	788	27,516	713
Ness	1,405,351	788	1,473,128	785	1,344,587	791	880,214	767
Norton	104,908	91	100,883	82	98,291	84	65,831	79
Osage	178	2	642	2	735	2	762	4
Osborne	144,797	95	142,062	91	137,777	96	87,073	97
Pawnee	134,054	144	142,944	140	143,000	136	105,888	129
Phillips	435,149	302	435,242	292	428,416	291	273,419	289
Pottawatomie	2,655	6	3,174	3	3,165	3	2,242	3
Pratt	383,983	514	397,497	525	353,068	501	214,211	467
Rawlins	190,403	139	175,117	135	182,353	137	121,669	142
Reno	590,437	409	557,072	410	506,163	424	333,347	412
Rice	761,953	840	780,538	922	725,717	894	482,956	809
Riley	30,792	33	26,629	33	24,866	33	16,423	33
Rooks	1,539,830	1,337	1,632,813	1,358	1,562,927	1,351	1,053,422	1,335
Rush	230,066	172	221,014	171	221,602	167	167,142	167
Russell	2,035,038	1,813	1,989,826	1,776	1,911,856	1,747	1,237,337	1,739
Saline	68,296	80	71,693	83	69,129	85	49,193	91
Scott	271,882	85	383,720	91	278,553	84	180,605	85
Sedgwick	153,471	116	156,542	135	154,191	130	97,999	132
Seward	871,418	311	761,539	304	694,115	293	409,630	278
Sheridan	135,043	92	135,095	95	144,250	97	91,609	94
Sherman	6,344	3	4,431	3	3,123	4	4,054	5
Stafford	1,037,658	1,011	1,168,592	1,004	1,103,476	1,014	754,149	1,000
Stanton	277,175	63	361,505	67	405,609	64	241,821	62
Stevens	538,820	129	659,761	151	825,597	157	451,141	122
Sumner	490,091	457	509,851	469	520,558	472	311,381	460
Thomas	195,023	92	173,851	89	146,098	88	94,520	89
Trego	457,278	447	463,143	449	453,342	444	291,170	430
Wabaunsee	53,959	43	60,412	43	55,676	42	37,338	39
Wallace	350,271	40	251,161	19	255,604	19	129,719	19
Wichita	39,370	9	64,278	10	55,521	10	33,574	10
Wilson	106,580	864	112,530	976	113,678	978	66,114	915
Woodson	460,831	2,534	493,232	2,652	482,477	2,612	277,798	2,441
Wyandotte								
State Total	33,989,688	41,483	35,145,137	42,218	34,090,146	41,473	22,217,105	39,624

Table 11. Proved Reserves of Crude Oil, Natural Gas, and Natural Gas Liquids in Kansas, 1977–2000.

Gas volumes (Bcf = billion cubic feet) were measured at 14.73 psi and 60° F. An asterisk (*) marks those estimates associated with sampling errors (95 percent confidence interval) greater than 20 percent of the value estimated. NA is used for data that are unavailable or may be proprietary. All historical statistics were previously published in the 1977–2000 annual reports of the Energy Information Administration (EIA), *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves*, DOE EIA-0216. {1-23} Liquid volumes are in million barrels of oil (mbo); one barrel = 42 gallons (U.S.).

Year	Crude Oil Proved Reserves (mbo)	Crude Oil Indicated Additional Reserves (mbo)	Dry Natural Gas Proved Reserves (Bcf)	Natural Gas Liquids Proved Reserves (Bcf)
1977	*349	3	11,457	NA
1978	303	3	10,992	NA
1979	*377	3	10,243	402
1980	310	2	9,508	389
1981	371	2	9,860	409
1982	378	13	9,724	302
1983	344	13	9,553	443
1984	377	2	9,387	424
1985	423	<1	9,337	373
1986	312	<1	10,509	440
1987	357	<1	10,494	462
1988	327	<1	10,104	345
1989	338	3	10,091	329
1990	321	<1	9,614	313
1991	300	<1	9,358	428
1992	310	0	9,681	444
1993	271	0	9,348	380
1994	260	0	9,156	398
1995	275	<1	8,571	369
1996	266	<1	7,694	338
1997	238	0	6,989	271
1998	246	0	6,402	334
1999	175	0	5,753	358
2000	237	NA	5,299	306

Table 12. Kansas Crude Oil Refinery Capacity, as of January 1, 2002. Capacity shown in barrels per calendar day. Source: *Petroleum Supply Annual 2000*, DOE/EIA, Volume 1, Table 38.

Refinery	Location	Capacity (barrels/day)
Farmland Industries, Inc.	Coffeyville, Kansas	112,000
Frontier Refining & Marketing, Inc.	El Dorado, Kansas	107,000
NCRA	McPherson, Kansas	812,000

Table 13. Top 20 Oil-Producing Counties in Kansas, 1990. Source: Kansas Geological Survey.

County	Production (bbls)	Percent
Ellis	4,092,086	7.13
Russell	3,374,653	5.88
Rooks	3,172,363	5.53
Barton	2,861,812	4.99
Ness	2,267,308	3.95
Stafford	2,193,492	3.82
Butler	2,156,498	3.76
Graham	1,957,195	3.41
Morton	1,686,320	2.94
Finney	1,626,570	2.84
Seward	1,521,427	2.65
Rice	1,368,586	2.39
Haskell	1,316,397	2.29
Cowley	1,176,951	2.05
Pratt	1,103,214	1.92
Gove	999,354	1.74
Greenwood	936,416	1.63
Lane	922,170	1.61
Barber	911,399	1.59
Trego	900,124	1.57
Total	57,361,199	

Table 14. Top 20 Oil-Producing Counties in Kansas, 2001. Source: Kansas Geological Survey.

County	Production (bbls)	Percent
Ellis	2,808,143	8.23
Haskell	2,127,883	6.24
Finney	2,097,049	6.15
Russell	1,911,856	5.61
Rooks	1,562,927	4.58
Barton	1,480,976	4.34
Ness	1,344,587	3.94
Butler	1,282,138	3.76
Stafford	1,103,476	3.24
Graham	925,390	2.71
Stevens	825,597	2.42
Rice	728,783	2.14
Comanche	724,134	2.12
Seward	713,758	2.09
Greenwood	554,947	1.63
Sumner	520,558	1.53
Morton	508,268	1.49
Reno	506,163	1.48
Cowley	488,140	1.43
Woodson	482,477	1.41
Total	34,109,187	

Table 15. Twenty Largest Fields in Kansas—Total Oil Production in 1990. Source: Kansas Geological Survey.

Field name	Barrels	Percent
Bemis–Shutts	1,237,336	2.16
Trapp	1,109,649	1.93
Hall–Gurney	1,044,514	1.82
Big Bow	979,326	1.71
Chase–Silica	944,327	1.65
El Dorado	855,609	1.49
Shuck	821,179	1.43
Spivey–Grabs–Basil	705,582	1.23
Fairport	554,338	0.97
Kraft–Prusa	509,642	0.89
Burrton	468,353	0.82
Stewart	431,249	0.75
Paola–Rantoul	429,699	0.75
Marcotte	405,174	0.71
Eubank	404,207	0.70
Gorham	399,286	0.70
Riffe	362,696	0.63
Pleasant Prairie	337,823	0.59
Morel	337,049	0.59
Damme	330,960	0.58
Total	57,361,199	

Table 16. Twenty Largest Fields in Kansas—Total Oil Production in 2001. Source: Kansas Geological Survey.

Field name	Barrels	Percent
Bemis–Shutts	892,396	2.62
Pleasant Prairie	777,560	2.28
Chase–Silica	594,751	1.74
El Dorado	589,382	1.73
Stewart	567,388	1.66
Hall–Gurney	546,588	1.60
Trapp	517,394	1.52
Spivey–Grabs–Basil	470,886	1.38
Eubank	428,432	1.26
Fairport	421,790	1.24
Burrton	366,863	1.08
Terry	290,409	0.85
Kraft–Prusa	288,089	0.84
Amazon Ditch	260,245	0.76
Herd	258,520	0.76
Damme	246,392	0.72
Gorham	244,681	0.72
Mount Sunflower Southeast	202,804	0.59
Victory	202,650	0.59
Marcotte	199,782	0.59
Total	34,109,187	

Table 17. Annual Kansas Oil Consumption Estimates, 1960–2000 (thousand barrels per year). Source: State Energy Data Report (various years), Energy Information Administration, DOE/EIA-0214 (various years).

Year	Asphalt	Aviation	Distillate	Jet	Kerosene	LPG	Lubricants	Motor	Residual	Other	Total
1960	2,198	170	4,739	952	696	5,590	737	23,712	2,403	5,801	46,998
1961	2,718	173	5,170	970	539	5,768	717	24,012	1,511	6,455	48,033
1962	3,034	310	5,223	1,042	431	6,310	690	24,872	1,605	6,629	50,146
1963	2,859	367	5,570	1,072	388	6,705	690	25,148	1,653	6,798	51,250
1964	2,979	426	5,434	1,242	386	5,954	724	24,773	1,169	6,740	49,827
1965	3,061	493	5,257	1,053	1,813	6,521	770	25,525	1,066	6,186	51,745
1966	2,860	455	6,123	1,147	944	6,320	799	25,872	1,070	7,377	52,967
1967	2,349	373	5,824	1,606	528	7,064	711	26,501	1,372	7,340	53,668
1968	1,984	391	6,628	1,745	578	7,838	781	27,901	1,670	7,647	57,163
1969	2,046	316	6,408	1,685	584	8,638	643	28,530	1,523	8,035	58,408
1970	2,188	326	7,550	1,561	306	8,009	655	28,849	1,127	6,618	57,189
1971	2,554	299	8,385	1,525	183	7,769	738	29,136	811	7,189	58,589
1972	2,385	262	9,010	1,452	150	8,293	790	31,075	2,256	7,617	63,290
1973	2,628	212	10,303	1,399	137	8,472	933	31,273	2,541	8,271	66,169
1974	2,743	236	10,778	1,404	114	8,439	894	31,000	2,791	8,487	66,886
1975	2,162	177	11,273	1,310	100	8,857	773	32,004	6,365	8,568	71,589
1976	2,343	231	12,071	1,239	238	9,952	859	33,850	6,220	8,210	75,213
1977	2,597	253	12,456	1,426	333	10,087	1,011	33,273	6,282	8,606	76,324
1978	3,378	211	14,250	1,506	210	9,046	1,085	33,496	6,771	8,704	78,657
1979	3,164	244	19,555	1,922	798	9,862	1,136	31,885	4,718	8,963	82,247
1980	3,019	221	14,764	2,466	492	8,404	1,011	29,584	1,498	8,430	69,889
1981	1,869	214	13,414	2,442	240	7,438	970	29,272	1,037	7,259	64,155
1982	1,890	190	13,814	1,834	226	11,948	884	28,588	1,028	5,678	66,080
1983	1,450	176	14,009	1,492	182	12,021	926	28,603	1,956	6,236	67,051
1984	1,928	154	15,150	3,338	142	26,692	987	28,499	1,154	6,573	84,617
1985	1,700	137	15,040	4,424	57	24,510	920	28,209	86	5,705	80,788
1986	2,657	162	14,319	7,038	75	16,615	900	28,453	487	6,075	76,781
1987	2,614	121	16,713	4,285	72	16,113	1,017	29,123	353	6,524	76,935
1988	4,378	148	16,591	4,176	42	19,029	981	30,819	811	7,687	84,662
1989	3,109	156	15,785	3,833	56	18,889	1,006	29,852	370	7,763	80,819
1990	3,875	136	16,561	3,701	27	15,565	1,035	28,626	232	7,809	77,567
1991	3,721	124	15,714	3,296	24	13,293	926	28,041	128	5,973	71,240
1992	3,715	142	15,154	4,164	33	16,816	944	27,821	180	6,595	75,564
1993	3,635	151	16,268	3,617	36	8,269	962	28,480	373	5,563	67,354
1994	4,741	142	15,770	1,981	17	7,754	1,005	29,073	190	6,137	66,810
1995	3,911	146	19,446	2,414	28	4,924	988	29,402	31	5,872	67,162
1996	3,581	177	16,964	2,009	37	10,442	959	30,927	292	7,941	73,329
1997	2,115	247	17,142	2,130	58	14,557	1,013	30,695	260	8,119	76,336
1998	2,699	199	16,215	2,157	50	14,121	1,060	32,001	286	7,344	76,132
1999	2,358	240	15,514	3,476	360	21,741	1,071	33,550	616	7,585	86,511
2000	2,470	215	15,113	3,234	32	17,401	1,055	31,894	1,025	10,910	83,349

Table 18. Kansas Gas Production and Number of Producing Wells by County, 1999–2002 (thousand cubic feet). Source: Kansas Geological Survey.

County	1999		2000		2001		2002	
	Production	Wells	Production	Wells	Production	Wells	Production	Wells
Allen	170,168	38	193,163	38	144,776	43	98,991	53
Anderson								
Atchison								
Barber	10,973,731	683	11,546,118	695	10,667,264	683	7,377,040	699
Barton	420,650	30	425,352	31	588,408	39	388,502	39
Bourbon	5,568	5	4,832	5	3,620	5	2,224	5
Brown								
Butler								
Chase	244,183	120	288,281	134	223,745	67	252,413	120
Chautauqua	583,860	123	695,686	136	733,283	145	442,127	135
Cherokee					11,392	1	6,927	1
Cheyenne	388,061	61	340,131	74	503,228	118	715,537	114
Clark	2,885,573	161	3,252,064	165	2,558,607	165	1,588,730	155
Clay								
Coffey								
Comanche	9,412,469	200	9,828,252	261	10,976,953	267	5,794,814	256
Cowley	67,774	54	60,959	51	16,925	44	21,649	35
Crawford								
Decatur								
Dickinson								
Douglas								
Edwards	2,400,327	204	2,331,009	205	2,381,239	215	1,630,686	206
Elk	168,072	32	163,870	29	135,319	31	84,133	25
Ellis	7,906	1	3,935	1	3,589	1	1,415	0
Ellsworth	125,068	14	87,411	14	68,467	15	47,407	11
Finney	44,619,311	1,277	41,475,030	1,297	38,351,448	1,323	23,504,592	1,313
Ford	564,140	26	463,088	24	373,024	23	219,478	22
Franklin	24,044	47	5,320	44	39,638	47	18,275	13
Geary								
Gove								
Graham								
Grant	85,915,206	1,727	77,308,221	1,730	68,329,745	1,727	42,697,403	1,727
Gray	112,122	4	97,513	4	93,418	3	47,242	3
Greeley	5,327,747	148	4,969,652	153	4,177,311	156	2,391,638	151
Greenwood	1,929	1	1,476	1	5,166	1	1,558	1
Hamilton	14,885,579	453	13,103,994	466	13,285,016	487	8,793,944	490
Harper	4,100,533	319	3,954,368	317	3,972,952	335	2,756,198	326
Harvey	295,316	54	265,329	50	271,752	49	162,239	46
Haskell	45,809,294	1,130	44,426,206	1,207	40,413,250	1,236	25,490,473	1,191
Hodgeman			37,098	1	8,075	1		
Jackson								
Jefferson	0	0			4,126	1		
Johnson	417,981	87	217,046	83	146,259	81	74,082	74
Kearny	70,720,932	1,737	65,584,904	1,771	60,499,960	1,777	38,160,933	1,771
Kingman	7,767,312	602	7,340,323	604	7,485,888	609	4,716,015	603
Kiowa	6,026,023	203	5,602,715	200	5,425,494	200	3,555,355	200
Labette	36,980	52	47,342	33	78,921	40	53,982	36
Lane								
Leavenworth	131,605	66	124,877	83	113,391	75	61,401	69
Linn	14,729	9	14,834	9	9,093	9	6,108	9
Logan								
Lyon								
Mcpherson	216,171	68	181,888	59	172,804	57	100,836	49
Marion	581,190	194	587,830	208	550,457	203	333,195	201
Meade	6,925,131	292	6,277,538	299	6,209,578	302	4,724,297	283

Table 18, continued.

County	1999		2000		2001		2002	
	Production	Wells	Production	Wells	Production	Wells	Production	Wells
Miami			83,959	20	108,227	22	92,658	24
Montgomery	1,048,442	239	1,181,672	278	1,596,151	350	985,034	350
Morris								
Morton	47,203,827	1,306	43,211,379	1,296	41,183,627	1,300	30,147,883	1,280
Nemaha								
Neosho	180,754	60	181,027	48	609,612	50	842,597	57
Ness								
Norton								
Osage								
Osborne								
Pawnee	1,391,383	189	1,242,403	186	1,020,028	171	635,226	158
Phillips								
Pottawatomie								
Pratt	1,857,264	233	1,620,755	231	1,550,970	231	950,556	225
Rawlins								
Reno	1,426,631	119	1,208,333	115	1,045,706	107	645,876	104
Rice	585,564	60	572,081	56	574,285	57	380,504	58
Riley								
Rooks								
Rush	685,125	56	300,572	53	322,331	55	207,197	55
Russell								
Saline								
Scott	338,613	22	317,998	22	307,499	20	184,378	20
Sedgwick	23,768	4	19,871	4	18,665	5	18,373	5
Seward	33,812,781	1,068	31,771,152	1,078	28,932,264	1,096	17,196,206	1,085
Sheridan								
Sherman	281,403	37	289,978	42	407,668	50	227,126	50
Stafford	1,250,226	93	1,060,411	88	925,295	96	661,187	102
Stanton	27,078,546	750	24,921,846	756	23,091,075	772	14,919,402	767
Stevens	126,167,633	2,216	122,209,107	2,224	101,098,252	2,235	62,660,244	2,220
Sumner	698,100	41	711,635	33	633,084	33	481,493	29
Thomas								
Trego								
Wabaunsee								
Wallace	167,492	1	140,639	4	260,391	4	56,249	2
Wichita	112,161	4	104,365	4	118,433	5	66,986	5
Wilson	635,785	122	604,290	122	796,291	139	816,547	168
Woodson	50,086	20	43,181	21	35,683	21	15,568	20
Wyandotte								
State Total	567,352,855	16,862	533,122,372	17,163	483,669,118	17,400	308,513,129	17,216

Table 19. Kansas Gross Withdrawal and Marketed Production of Natural Gas, 1967–2000. All volumes are shown in million cubic feet. Source: EIA, *Natural Gas Annual*, 2000, DOE/EIA-0131(00), and previous issues.

Year	Gross Withdrawals		Total	Losses		Marketed Production
	From Gas Wells	From Oil Wells		Repressuring	Vented & Flared	
1967	730,762	145,591	876,353			871,971
1968	690,216	149,557	839,773			835,555
1969	744,631	142,972	887,603			883,156
1970	752,934	151,541	904,475			899,955
1971	729,262	160,330	889,592			885,144
1972	751,921	141,815	893,736			889,268
1973	745,662	151,627	897,289			893,118
1974	747,580	141,870	889,450			886,782
1975	705,746	140,418	846,164			843,625
1976	704,197	127,467	831,664			829,170
1977	678,286	105,351	783,637			781,289
1978	737,575	119,496	857,071			854,484
1979	677,727	122,436	800,163			797,762
1980	604,778	132,468	737,246			735,035
1981	532,385	109,448	641,833			640,114
1982	354,602	87,641	442,243			440,951
1983	358,943	89,572	448,515			447,207
1984	384,825	96,788	481,613			480,211
1985	423,502	106,073	529,575			528,032
1986	468,220	NA	468,220			478,963
1987	377,625	96,501	474,126			472,752
1988	483,257	111,129	594,386			592,845
1989	510,391	92,331	602,722			601,196
1990	467,467	107,622	575,089			573,603
1991	550,241	79,943	630,184			628,459
1992	580,572	79,169	659,741			658,007
1993	605,578	82,579	688,157			686,347
1994	628,900	85,759	714,659			712,730
1995	636,582	86,807	723,389			721,436
1996	629,755	85,876	715,631	2,120	716	712,796
1997	618,016	71,037	689,053	1,157	680	687,215
1998	532,594	72,626	605,220	1,029	605	603,586
1999	488,328	66,590	554,918	943	555	553,419
2000	463,929	63,222	527,151	896	527	525,729

Table 20. Top 20 Counties —Total Gas Production in 1990 (thousand cubic feet). Source: Kansas Geological Survey.

County	Production	Percent
Stevens	149,619,004	25.08
Grant	107,412,586	18.00
Kearny	58,280,495	9.77
Morton	50,053,067	8.39
Haskell	37,398,294	6.27
Finney	35,991,543	6.03
Seward	35,015,368	5.87
Stanton	15,346,607	2.57
Barber	14,635,973	2.45
Kingman	12,553,998	2.10
Kiowa	11,579,159	1.94
Hamilton	10,287,735	1.72
Meade	9,186,337	1.54
Comanche	7,936,788	1.33
Greeley	5,392,775	0.90
Harper	5,341,887	0.90
Clark	4,557,888	0.76
Edwards	3,518,282	0.59
Pratt	3,345,701	0.56
Pawnee	2,093,986	0.35
Total	596,655,915	

Table 21. Top 20 Counties—Total Gas Production in 2001 (thousand cubic feet). Source: Kansas Geological Survey.

County	Production	Percent
Stevens	101,070,545	20.91
Grant	68,330,552	14.14
Kearny	60,504,594	12.52
Morton	41,181,916	8.52
Haskell	40,423,120	8.36
Finney	38,339,989	7.93
Seward	28,751,606	5.95
Stanton	23,111,671	4.78
Hamilton	13,261,877	2.74
Comanche	10,976,953	2.27
Barber	10,635,438	2.20
Kingman	7,483,556	1.55
Meade	6,169,935	1.28
Kiowa	5,424,572	1.12
Greeley	4,177,311	0.86
Harper	3,995,363	0.83
Clark	2,558,901	0.53
Edwards	2,381,239	0.49
Montgomery	1,599,192	0.33
Pratt	1,550,970	0.32
Total	483,411,603	

Table 22. Twenty Largest Gas-Producing Fields in 1990. Source: Kansas Geological Survey.

Field name	MCF	Percent
Hugoton Gas Area	329,390,484	55.21
Panoma Gas Area	99,985,177	16.76
Spivey-Grabs-Basil	10,777,593	1.81
Greenwood Gas Area	10,535,781	1.77
Bradshaw Gas Area	9,913,320	1.66
Glick	8,456,181	1.42
Aetna Gas Area	6,076,389	1.02
McKinney	4,778,642	0.80
Hitch	3,264,942	0.55
Byerly	2,197,611	0.37
Wilmore	2,075,526	0.35
Wide Awake	2,058,399	0.34
Kinsler	2,023,658	0.34
Feterita	2,021,017	0.34
Victory	1,885,394	0.32
Will-Bros	1,749,247	0.29
Pleasant Valley	1,696,892	0.28
Cave West	1,446,374	0.24
Thirty-One Southwest	1,383,222	0.23
Larrabee	1,327,465	0.22
Total	596,655,915	

Table 23. Twenty Largest Gas-Producing Fields in 2001. Source: Kansas Geological Survey.

Field name	MCF	Percent
Hugoton Gas Area	282,699,393	58.48
Panoma Gas Area	70,753,271	14.64
Greenwood Gas Area	11,657,849	2.41
Bradshaw Gas Area	10,990,416	2.27
Spivey-Grabs-Basil	7,109,424	1.47
Glick	3,899,518	0.81
Aetna Gas Area	3,645,638	0.75
McKinney	2,440,471	0.50
Christopher	2,076,076	0.43
Byerly	1,609,011	0.33
Eubank	1,445,266	0.30
Medicine Lodge-Boggs	1,391,215	0.29
Sharon Northwest	1,277,206	0.26
Richfield	1,261,377	0.26
Colter West	1,149,677	0.24
Kinsler	1,073,803	0.22
Bird Northeast	1,007,337	0.21
Necatunga	960,165	0.20
Arkalon	940,545	0.19
Jefferson-Sycamore	839,816	0.17
Total	483,411,603	

Table 24. Kansas Monthly Natural Gas Price, 1997 through July 2002. Note: For commercial and Industrial customers, the price is the On-System Sales price (see *Natural Gas Monthly*, table 25 for the percentage that On-System Sales gas is of total deliveries). Data not reported is indicated by a dash (—); NA = not available; W = withheld to avoid disclosure of individual company data. Sources: natural gas prices are extracted from the Oil and Gas Information Retrieval System; City Gate: *Natural Gas Monthly*, table 20; Residential: average price of natural gas sold to residential customers (including taxes), *Natural Gas Monthly*, table 21; Commercial: average price of natural gas sold to commercial customers (including taxes), *Natural Gas Monthly*, table 22; Industrial: average price of natural gas sold to industrial customers (including taxes), *Natural Gas Monthly*, table 23; Utilities: natural gas prices for utility customers (including taxes), *Natural Gas Monthly*, table 24.

Year	At City Gate	Residential	Commercial	Industrial	Utilities
2002					
July	3.63	12.64	8.46	3.83	NA
June	4.39	11.69	8.84	3.88	NA
May	4.26	10.43	8.09	3.99	3.39
April	4.77	8.69	7.59	4	3.45
March	3.98	7.39	6.64	4.02	2.94
February	3.8	7.15	6.55	4.86	2.27
January	3.65	7.54	7.05	5.22	2.26
2002 Average	NA	NA	NA	NA	—
2001					
December	3.92	7.84	7.24	3.89	2.63
November	4.23	9.11	7.27	3.02	2.56
October	3.01	10.69	7.5	3.18	2.35
September	3.12	13.5	7.85	4.12	2.37
August	4.12	12.31	8.33	4.49	3.23
July	4.17	12.28	8.39	4.77	3.26
June	4.84	12.5	9.61	5.15	3.89
May	6.45	11.74	10.13	6.04	4.51
April	6.59	9.76	8.66	7.03	5.33
March	5.92	9.19	8.83	7.49	5.78
February	8.32	10	9.88	10.27	6.06
January	10.13	10.84	10.56	8.66	9.1
2001 Average	6.05	10.07	9.15	4.83	3.64
2000					
December	6.21	8.84	8.49	6.59	8.79
November	5.21	9.07	8.57	5.34	5.74
October	6.46	10.57	8.69	5.16	5.12
September	5.87	10.9	7.5	3.74	4.91
August	4.91	12.2	8.17	3.97	4.41
July	5.57	10.76	7.95	4.1	3.99
June	4.82	9.91	7.36	3.81	3.87
May	3.8	8.13	6.55	3.32	3.54
April	3.44	6.89	5.94	3.85	3.15
March	3.49	6.44	5.86	3.56	2.92
February	3.26	6.07	5.55	4.02	2.69
January	3.03	6.02	5.69	3.61	2.56
2000 Average	4.52	7.64	6.8	4.01	4.18

Table 24, continued.

Year	At City Gate	Residential	Commercial	Industrial	Utilities
1999					
December	3.12	6.08	5.53	3.49	2.57
November	3.6	6.9	5.79	3.76	2.87
October	3.5	7.41	5.24	3.39	2.81
September	3.95	8.86	4.51	2.83	2.73
August	4.77	8.48	4.65	2.63	2.6
July	2.61	8.6	5.19	2.55	2.31
June	3.08	7.55	5.52	2.51	2.35
May	2.97	6.55	5.27	2.97	2.35
April	2.54	5.51	4.68	2.98	2.08
March	2.49	5.26	4.92	3.18	1.8
February	2.52	5.47	4.9	3.26	1.96
January	2.64	5.34	4.95	3.25	2.24
1999 Average	2.96	5.98	5.04	2.93	2.36
1998					
December	2.79	5.52	5.11	3.26	2.21
November	3.19	5.88	5.1	3.17	2.25
October	2.94	7.43	5.34	2.86	2.03
September	2.67	7.95	5.5	2.45	1.87
August	2.92	7.85	4.3	2.82	1.99
July	3.86	7.75	5.35	2.94	2.28
June	3.42	7.39	5.51	3.2	2.14
May	3.17	6.5	5.61	3.48	2.2
April	2.87	5.83	5.94	3.73	2.4
March	2.86	5.67	3.76	3.74	2.36
February	2.75	5.68	5.26	3.78	1.97
January	2.94	5.72	5.28	4.03	3.35
1998 Average	2.96	6	4.98	3.17	2.14
1997					
December	3.6	5.92	5.14	3.6	3.33
November	4.28	6.42	5.72	3.81	3.02
October	3.67	7.68	5.63	3.95	3.06
September	3.47	8.49	5.42	3.14	2.7
August	3.09	8.21	4.65	2.84	2.13
July	2.88	7.47	4.71	2.74	2.06
June	3.02	7.98	4.65	2.76	2.11
May	2.85	6.2	4.98	3.17	2.14
April	2.38	6	4.89	2.49	2
March	2.67	5.94	5.16	2.62	1.8
February	3.67	6.54	5.91	3.66	2.92
January	4.37	6.29	5.78	4.82	4.56
1997 Average	3.47	6.42	5.38	3.32	2.53

Table 25. 1999 Electricity Summary Statistics for Kansas. Source: *Kansas Electricity Profile 2001*, DOE/EIA (http://www.eia.doe.gov/cneaf/electricity/st_profiles/kansas/ks.html).

Item	Value	U.S. Rank
Primary Energy Source		Coal
Net Summer Capability (megawatts)	10,067	29
Utility	10,020	27
Nonutility	47	47
Net Generation (megawatthours)	42,070,297	30
Utility	42,002,924	29
Nonutility	67,373	49
Emissions (thousand short tons)		
Sulfur Dioxide	89	26
Nitrogen Oxide	137	21
Carbon Dioxide	36,417	28
Sulfur Dioxide/sq. mile	1	34
Nitrogen Oxide/sq. mile	2	33
Carbon Dioxide/sq. mile	445	37
Electricity Consumption (MWh) (excludes line losses)	33,865,932	32
Utility Retail Electricity Sales (megawatthours)	33,820,108	32
Nonutility Retail Sales and Direct Use (megawatthours)	45,824	50
Utility Average Retail Price (cents/kWh)	6.22	25

Table 26. Ten Largest Electrical Generation Plants in Kansas, Ranked by Generating Capability, 1999. Source: *Kansas Electricity Profile 2001*, DOE/EIA (http://www.eia.doe.gov/cneaf/electricity/st_profiles/kansas/ks.html).

Plant	Primary Energy Sources	Operating Company	Net Summer Capability (MW)
1. Jeffrey EC	Petroleum, Coal	KPL Western Resources Co	2,227
2. Lacygne	Petroleum, Coal	Kansas City Power & Light Co	1,362
3. Wolf Creek	Nuclear	Wolf Creek Nuclear Oper Corp	1,170
4. Lawrence EC	Gas, Coal	KPL Western Resources Co	598
5. Gordon Evans EC	Petroleum, Gas	Kansas Gas & Electric Co	527
6. Hutchinson EC	Petroleum, Gas	KPL Western Resources Co	498
7. Holcomb	Gas, Coal	Sunflower Electric Power Corp	360
8. Murray Gill EC	Petroleum, Gas	Kansas Gas & Electric Co	332
9. Quindaro	Petroleum, Gas, Coal	Kansas City City of	316
10. Tecumseh EC	Gas, Coal	KPL Western Resources Co	284

Table 27. Existing Generating Units at Kansas Electric Utilities by Company and Plant, 2000. Source: Energy Information Administration, Form EIA-860A, *Annual Electric Generator Report—Utility*. Note: 0.0 capacity means no capacity during the designated time period. Plants sold or transferred to nonutilities are not included in these data. USCE is US Army Corps of Engineers. USBIA is US Bureau of Indian Affairs.

Unit Type Abbreviations: CA = Combined Cycle Steam Part; CC = Combined Cycle Total Unit (use only for plants/generators that are in planning stage, for which specific generator details cannot be provided); CE = Compressed Air Energy Storage; CS = Combined Cycle Single Shaft (combustion turbine and steam turbine share a single generator); CT = Combined Cycle Combustion Turbine Part (type of coal must be reported as energy source for integrated coal); FC = Fuel Cell; GT = Combustion (Gas) Turbine (includes jet engine design); HY = Hydraulic Turbine (includes turbines associated with delivery of water by pipeline); IC = Internal Combustion (diesel, piston) Engine; NA = Unknown at this time (use only for plants/generators that are in planning stage, for which specific generator details cannot be provided.); OT = Other; PS = Hydraulic Turbine - Reversible (pumped storage); PV = Photovoltaic; ST = Steam Turbine, including nuclear, geothermal and solar steam (does not include combined cycle); WT = Wind Turbine. Energy Source Abbreviations: AB = Agriculture Crop Byproducts/Straw/Energy Crops; BFG = Blast-Furnace Gas; BIT = (Anthracite Coal, Bituminous Coal); BLQ = Black Liquor; DFO = Distillate Fuel Oil (includes all Diesel and No. 1, No. 2, and No. 4 Fuel Oils); GEO = Geothermal; JF = Jet Fuel; KER = Kerosene; LFG = Landfill Gas; LIG = Lignite Coal; MSW = Municipal Solid Waste; NA = Not Available; NG = Natural Gas; NUC = Nuclear (Uranium, Plutonium, Thorium); OBG = Other Biomass Gases (Digester Gas, Methane, and other biomass gases); OBL = Other Biomass Liquids (Ethanol, Fish Oil, Liquid Acetonitrile Waste, Medical Waste, Tall Oil, Waste Alcohol, and other biomass liquids not specified); OBS = Other Biomass Solids (Animal Manure and Waste, Solid Byproducts, and other solid biomass not specified); OG = Other Gas (Butane, Coal Processes, Coke-Oven, Refinery, and other processes); OTH = Other (Batteries, Chemicals, Coke Breeze, Hydrogen, Pitch, Sulfur, Tar Coal, and miscellaneous technologies); PC = Petroleum Coke; PG = Propane; PUR = Purchased Steam; RFO = Residual Fuel Oil (includes No. 5 and No. 6 Fuel Oils and Bunker C Fuel Oil); SC = Coal-based Synfuel and include briquettes, pellets, or extrusions, which are formed by binding materials and processes that recycle material; SLW = Sludge Waste; SUB = Subbituminous Coal; SUN = Solar (Photovoltaic, Thermal); TDF = Tires; WAT = Water (Conventional, Pumped Storage); WC = Waste/Other Coal (Anthracite Culm, Bituminous Gob, Fine Coal, Lignite Waste, Waste Coal); WDL = Wood Waste Liquids (Red Liquor, Sludge Wood, Spent Sulfite Liquor, and other wood related liquids not specified); WDS = Wood/Wood Waste Solids (Paper Pellets, Railroad Ties, Utility Poles, Wood Chips, and other wood solids); WH = Waste Heat (Reject Heat); WND = Wind; WO = Oil-Other and Waste Oil [Butane (Liquid), Crude Oil, Liquid Byproducts, Oil Waste, Propane (Liquid), Re-Refined Motor Oil, Sludge Oil, Tar Oil].

Company Plant (County)	Unit ID	Generator Nameplate Capacity (megawatts)	Net Summer Capacity (megawatts)	Net Winter Capacity (megawatts)	Unit Type	Energy		Year of Commercial Operation	Unit Status
						Primary	Alternate		
Anthony, City of Anthony (Harper)		11.1	11.1	11.1					
	IC1	4.1	4.1	4.1	IC	NG	DFO	1972	OP
	IC2	3.0	3.0	3.0	IC	NG	DFO	1976	OP
Ashland, City of Ashland (Clark)	IC3	4.0	4.0	4.0	IC	NG	DFO	1981	OP
		5.0	4.3	4.4					
	1	0.7	0.7	0.7	IC	NG	DFO	1953	OP
	2	0.9	0.8	0.8	IC	NG	DFO	1974	OP
	3	1.3	1.1	1.1	IC	DFO	—	1963	OP
Attica, City of Attica (Harper)	4	1.3	1.1	1.1	IC	DFO	—	1958	OP
	5	0.9	0.7	0.7	IC	DFO	—	1971	OP
		3.2	2.7	3.0					
	1	0.5	0.5	0.5	IC	DFO	NG	1954	OP
	2	0.9	0.8	0.8	IC	DFO	NG	1970	OP
Augusta, City of Plant No 1 (Butler)	4	0.3	0.3	0.3	IC	DFO	NG	1961	OP
	5	0.3	0.3	0.3	IC	DFO	NG	1961	OP
	IC3	1.1	1.0	1.1	IC	DFO	NG	1984	OP
		23.7	23.7	23.7					
	1	1.1	1.1	1.1	IC	NG	DFO	1954	OP
	2	0.4	0.4	0.4	IC	DFO	—	1929	OP
	3	1.0	1.0	1.0	IC	NG	DFO	1949	OP
Plant No 2 (Butler)	4	0.7	0.7	0.7	IC	DFO	—	1939	OP
	5	2.3	2.3	2.3	IC	NG	DFO	1956	OP
	6	2.3	2.3	2.3	IC	NG	DFO	1956	OP
	7	2.0	2.0	2.0	IC	NG	DFO	1964	OP
	1	4.0	4.0	4.0	IC	NG	DFO	1968	OP
	2	4.0	4.0	4.0	IC	NG	DFO	1968	OP
	3	6.0	6.0	6.0	IC	NG	DFO	1981	OP

Table 27, continued.

Company Plant (County)	Unit ID	Generator Nameplate Capacity (megawatts)	Net Summer Capacity (megawatts)	Net Winter Capacity (megawatts)	Unit Type	Energy Primary	Alternate	Year of Commercial Operation	Unit Status	
Baldwin City, City of Baldwin (Douglas)	3	5.5 1.1	4.5 0.9	4.8 1.0	IC	DFO	NG	1956	OP	
	4	2.1	1.8	1.8	IC	DFO	NG	1970	OP	
	5	1.1	0.9	1.0	IC	DFO	NG	1964	OP	
	6	1.1	0.9	1.0	IC	DFO	NG	1964	OP	
Belleville, City of Belleville (Republic)	1	13.1 0.6	13.1 0.6	13.1 0.6	IC	DFO	NG	1946	OP	
	2	0.6	0.6	0.6	IC	DFO	NG	1946	OP	
	3	0.3	0.3	0.3	IC	DFO	NG	1946	OP	
	4	1.0	1.0	1.0	IC	DFO	NG	1955	OP	
	5	1.8	1.8	1.8	IC	DFO	NG	1961	OP	
	6	3.8	3.8	3.8	IC	DFO	NG	1966	OP	
	7	5.1	5.1	5.1	IC	DFO	NG	1971	OP	
Beloit, City of Beloit (Mitchell)	1	19.4 1.5	17.8 1.0	17.8 1.0	IC	DFO	NG	1951	OP	
	2	1.5	1.0	1.0	IC	DFO	NG	1951	OP	
	3	2.0	2.0	2.0	IC	DFO	NG	1961	OP	
	4	3.5	3.3	3.3	IC	DFO	NG	1964	OP	
	5	0.8	0.7	0.7	IC	DFO	NG	1950	OP	
	6	4.1	3.8	3.8	IC	DFO	NG	1971	OP	
	7	6.0	6.0	6.0	IC	DFO	NG	1980	OP	
Burlingame, City of Burlingame (Osage)	1	4.6 1.1	4.1 1.1	4.4 1.1	IC	DFO	NG	1973	OP	
	2	0.6	0.4	0.5	IC	DFO	NG	1951	OP	
	3	0.9	0.8	0.9	IC	DFO	NG	1963	OP	
	4	1.1	1.1	1.1	IC	DFO	NG	1969	OP	
	5	0.9	0.8	0.9	IC	DFO	NG	1980	OP	
Burlington, City of Burlington (Coffey)	1	8.5 0.3	8.4 0.3	8.4 0.3	IC	DFO	—	1935	OP	
	2	1.3	1.3	1.3	IC	NG	DFO	1962	OP	
	3	0.8	0.8	0.8	IC	NG	DFO	1954	OP	
	4	0.3	0.3	0.3	IC	DFO	—	1946	OP	
	5	1.0	1.0	1.0	IC	NG	DFO	1955	OP	
	IC6	4.8	4.8	4.8	IC	NG	DFO	1983	OP	
Chanute, City of Chanute 1 (Neosho)	4	52.6 4.0	51.5 4.0	52.1 4.2	ST	NG	—	1949	SB	
	5	1.7	1.5	1.7	IC	NG	DFO	1955	OP	
	6	10.0	9.8	10.0	ST	NG	—	1957	SB	
	Chanute 2 (Neosho)	7	2.0	2.0	2.0	IC	NG	DFO	1965	OP
		8	2.0	2.0	2.0	IC	NG	DFO	1965	OP
	Chanute 3 (Neosho)	10	7.0	6.9	6.9	IC	DFO	NG	1986	OP
		11	7.0	6.9	6.9	IC	DFO	NG	1986	OP
		12	6.0	5.5	5.5	IC	DFO	—	1991	OP
		13	6.0	6.0	6.0	IC	DFO	—	1991	OP
		9	7.0	6.9	6.9	IC	DFO	NG	1985	OP
	Clay Center, City of Clay Center (Clay)	4	24.6 1.5	24.5 1.5	24.5 1.5	ST	NG	RFO	1942	OP
		5	3.0	3.0	3.0	ST	NG	RFO	1948	OP
		6	5.0	5.0	5.0	ST	NG	RFO	1961	OP
IC1		0.9	0.9	0.9	IC	NG	DFO	1958	OP	
IC2		2.1	2.1	2.1	IC	NG	DFO	1966	OP	
IC3		5.1	5.0	5.0	IC	NG	DFO	1972	OP	
IC4		3.5	3.5	3.5	IC	NG	DFO	1996	OP	
IC5		3.5	3.5	3.5	IC	NG	DFO	1996	OP	
Coffeyville, City of Coffeyville (Montgomery)	6	58.8 18.8	53.0 16.0	56.7 18.5	ST	NG	—	1956	OP	
	7	40.0	37.0	38.2	ST	NG	—	1973	OP	
Colby, City of Colby (Thomas)	3	17.4 2.5	13.6 1.8	13.6 1.8	IC	DFO	NG	1963	OP	
	4	1.8	1.3	1.3	IC	DFO	NG	1958	OP	
	5	1.4	1.0	1.0	IC	DFO	NG	1958	OP	
	6	4.5	3.5	3.5	IC	DFO	NG	1971	OP	
	7	4.5	3.5	3.5	IC	DFO	NG	1971	OP	
	8	2.8	2.5	2.5	IC	DFO	NG	1971	OP	

Table 27, continued.

Company Plant (County)	Unit ID	Generator Nameplate Capacity (megawatts)	Net Summer Capacity (megawatts)	Net Winter Capacity (megawatts)	Unit Type	Energy Primary	Alternate	Year of Commercial Operation	Unit Status
Ellinwood, City of Ellinwood (Barton)		8.5	7.7	7.7					
	1	2.1	1.9	1.9	IC	DFO	NG	1965	OP
	2	1.4	1.3	1.3	IC	DFO	NG	1957	OP
	3	0.6	0.5	0.5	IC	DFO	NG	1948	OP
	4	1.1	1.0	1.0	IC	DFO	NG	1953	OP
	5	3.3	3.0	3.0	IC	DFO	NG	1971	OP
Empire District Electric Co Riverton (Cherokee)		132.6	136.0	136.0					
	10	16.3	16.0	16.0	GT	NG	DFO	1988	OP
	11	16.3	16.0	16.0	GT	NG	DFO	1988	OP
	7	37.5	38.0	38.0	ST	SUB	BIT	1950	OP
	8	50.0	54.0	54.0	ST	SUB	BIT	1954	OP
	9	12.5	12.0	12.0	GT	NG	DFO	1964	OP
Erie, City of Erie Energy Center (Neosho)		26.5	26.1	26.1					
	1	2.8	2.8	2.8	IC	DFO	—	1999	OP
	2	2.8	2.8	2.8	IC	DFO	—	1999	OP
	3	2.8	2.8	2.8	IC	DFO	—	1999	OP
	4	2.8	2.8	2.8	IC	DFO	—	1999	OP
	5	2.8	2.8	2.8	IC	DFO	—	1999	OP
	6	2.8	2.8	2.8	IC	DFO	—	1999	OP
	7	2.8	2.8	2.8	IC	DFO	—	1999	OP
	8	2.8	2.8	2.8	IC	DFO	—	1999	OP
Erie (Neosho)									
	1	0.7	0.6	0.6	IC	DFO	—	1953	OP
	3	1.3	1.0	1.0	IC	DFO	—	1958	OP
	4	1.5	1.5	1.5	IC	DFO	—	1964	OP
	5	1.0	1.0	1.0	IC	DFO	—	1992	OP
Fredonia, City of Fredonia (Wilson)		7.4	7.0	7.0					
	1	0.9	0.8	0.8	IC	DFO	NG	1948	OP
	2	1.3	1.3	1.3	IC	DFO	NG	1953	OP
	3	0.4	0.3	0.3	IC	DFO	NG	1927	OP
	4	0.6	0.5	0.5	IC	DFO	NG	1931	OP
	IC5	0.9	0.9	0.9	IC	DFO	NG	1978	OP
	IC6	0.9	0.9	0.9	IC	DFO	NG	1978	OP
	IC7	0.7	0.7	0.7	IC	DFO	NG	1978	OP
	IC8	0.9	0.9	0.9	IC	DFO	NG	1980	OP
	IC9	0.9	0.8	0.8	IC	DFO	NG	1980	OP
Gardner, City of Gardner (Johnson)		39.2	31.0	31.0					
	CT1	19.6	15.0	15.0	GT	DFO	NG	1990	OP
	CT2	19.6	16.0	16.0	GT	DFO	NG	1990	OP
Garnett, City of Garnett Municipal (Anderson)		11.8	10.6	10.6					
	1	1.5	1.4	1.4	IC	NG	DFO	1961	OP
	2	0.4	0.4	0.4	IC	DFO	—	1930	OP
	3	1.5	1.4	1.4	IC	NG	DFO	1955	OP
	4	1.0	0.9	0.9	IC	NG	DFO	1948	OP
	7	2.5	2.3	2.3	IC	DFO	—	2000	OP
	IC5	2.4	2.2	2.2	IC	NG	DFO	1981	OP
	IC6	2.5	2.3	2.3	IC	DFO	—	1978	OP
Girard, City of Girard (Crawford)		10.9	9.4	9.8					
	1	1.4	1.1	1.3	IC	NG	DFO	1955	OP
	4	2.3	1.8	2.0	IC	NG	DFO	1962	OP
	6	3.5	3.0	3.0	IC	NG	DFO	1997	OP
	7	3.8	3.5	3.5	IC	NG	DFO	1997	OP
Goodland, City of Goodland (Sherman)		19.1	16.2	17.7					
	10	2.1	1.8	2.1	IC	NG	DFO	1971	OP
	11	4.3	3.5	3.8	IC	NG	DFO	1978	OP
	12	1.0	0.9	1.0	IC	NG	DFO	1995	OP
	13	1.4	1.2	1.3	IC	NG	DFO	1999	OP
	3	0.8	0.8	0.8	IC	DFO	—	1939	OP
	6	2.3	1.9	2.1	IC	NG	DFO	1962	OP
	7	2.3	1.9	2.1	IC	NG	DFO	1966	OP
	8	5.0	4.4	4.6	IC	NG	DFO	1975	OP
Greensburg, City of Greensburg (Kiowa)		7.8	7.4	7.4					
	1	2.1	2.0	2.0	IC	NG	DFO	1966	OP
	3	1.1	1.1	1.1	IC	NG	DFO	1963	OP
	4	1.1	1.1	1.1	IC	NG	DFO	1956	OP
	5	2.1	1.9	1.9	IC	NG	DFO	1972	OP
	6	1.4	1.3	1.3	IC	NG	DFO	1983	OP

Table 27, continued.

Company Plant (County)	Unit ID	Generator Nameplate Capacity (megawatts)	Net Summer Capacity (megawatts)	Net Winter Capacity (megawatts)	Unit Type	Energy Primary	Alternate	Year of Commercial Operation	Unit Status
Herington, City of		9.7	7.0	7.7					
Herington (Dickinson)	1	2.1	1.6	1.8	IC	NG	DFO	1968	OP
	2	1.4	1.0	1.1	IC	NG	DFO	1962	OP
	3	4.3	3.1	3.5	IC	NG	DFO	1973	OP
	4	0.8	0.3	0.3	IC	DFO	—	1947	OP
	5	1.1	1.0	1.0	IC	NG	DFO	1951	OP
Herndon, City of		0.3	0.3	0.3					
City Light Plant (Rawlins)	1	0.3	0.3	0.3	IC	DFO	—	1950	OP
Hill City, City of		7.3	6.4	6.5					
Hill City (Graham)	1	1.4	1.2	1.2	IC	NG	DFO	1962	OP
	2	1.4	1.2	1.2	IC	NG	DFO	1962	OP
	3	0.7	0.6	0.6	IC	NG	DFO	1952	OP
	4	1.1	1.0	1.0	IC	NG	DFO	1967	OP
	5	1.4	1.3	1.3	IC	NG	DFO	1974	OP
	6	1.4	1.3	1.3	IC	NG	DFO	1974	OP
Hoisington, City of		14.2	14.4	14.4					
Hoisington (Barton)	1	0.2	0.2	0.2	IC	DFO	—	1940	OP
	2A	1.0	1.2	1.2	IC	DFO	—	1996	OP
	6	2.0	2.0	2.0	IC	NG	DFO	1961	OP
	7	4.0	4.0	4.0	IC	NG	DFO	1966	OP
	8	7.0	7.0	7.0	IC	NG	DFO	1981	OP
Holton, City of		15.4	13.5	14.8					
Holton (Jackson)	10	2.0	1.8	2.0	IC	DFO	NG	1978	OP
	11	2.5	2.3	2.4	IC	DFO	NG	1994	OP
	6	1.8	1.4	1.8	IC	DFO	NG	1958	OP
	7	2.8	2.4	2.7	IC	DFO	NG	1963	OP
	8	4.3	3.9	4.0	IC	DFO	NG	1969	OP
	9	2.0	1.8	2.0	IC	DFO	NG	1978	OP
Hugoton, City of		21.5	19.2	19.2					
Hugoton 1 (Stevens)	1	0.8	0.6	0.6	IC	DFO	NG	1949	OP
	6	1.4	1.2	1.2	IC	DFO	NG	1959	OP
Hugoton 2 (Stevens)	10	4.3	4.0	4.0	IC	DFO	NG	1983	OP
	11	2.5	2.2	2.2	IC	DFO	NG	1997	OP
	12	3.0	2.8	2.8	IC	DFO	NG	1997	OP
	13	0.8	0.5	0.5	IC	NG	—	1998	OP
	7	2.3	2.1	2.1	IC	DFO	NG	1964	OP
	8	2.1	1.8	1.8	IC	DFO	NG	1971	OP
	9A	4.3	4.0	4.0	IC	DFO	NG	1994	OP
Iola, City of		38.5	40.8	40.8					
Iola (Allen)	1	5.0	5.1	5.1	IC	NG	—	1998	OP
	10	2.8	2.9	2.9	IC	DFO	—	1981	OP
	11	2.1	2.2	2.2	IC	DFO	—	1988	OP
	12	2.1	2.0	2.0	IC	DFO	—	1988	OP
	13	2.1	2.1	2.1	IC	DFO	—	1988	OP
	2	5.0	5.1	5.1	IC	NG	—	2000	OP
	4	3.5	4.4	4.4	ST	NG	RFO	1949	OP
	5	5.0	5.4	5.4	ST	NG	RFO	1957	OP
	6	2.8	3.0	3.0	IC	DFO	—	1969	OP
	7	2.7	2.9	2.9	IC	DFO	—	1971	OP
	8	2.8	3.0	3.0	IC	DFO	—	1976	OP
	9	2.8	3.0	3.0	IC	DFO	—	1977	OP
Jetmore, City of		6.0	6.0	6.0					
Jetmore (Hodgeman)	1	1.0	1.0	1.0	IC	DFO	NG	1960	OP
	2	0.4	0.4	0.4	IC	DFO	NG	1951	OP
	3	0.2	0.2	0.2	IC	DFO	NG	1946	OP
	4	0.8	0.8	0.8	IC	DFO	NG	1964	OP
	5	1.5	1.5	1.5	IC	DFO	NG	1966	OP
	6	1.2	1.2	1.2	IC	DFO	—	1966	OP
	7	0.9	0.9	0.9	IC	DFO	—	1966	OP
Johnson, City of		6.8	5.5	5.5					
Johnson (Stanton)	1	0.6	0.6	0.6	IC	DFO	NG	1959	OP
	2	1.0	0.8	0.8	IC	DFO	NG	1963	OP
	4	0.5	0.2	0.2	IC	DFO	NG	1954	OP
	5	0.4	0.3	0.3	IC	DFO	NG	1950	OP
	7	1.5	1.3	1.3	IC	DFO	NG	1983	OP
	8	1.3	1.2	1.2	IC	NG	DFO	1993	OP
	IC6	1.5	1.3	1.3	IC	DFO	NG	1986	OP

Table 27, continued.

Company Plant (County)	Unit ID	Generator Nameplate Capacity (megawatts)	Net Summer Capacity (megawatts)	Net Winter Capacity (megawatts)	Unit Type	Energy Primary	Alternate	Year of Commercial Operation	Unit Status
Kansas City, City of		775.0	680.0	680.0					
Kaw (Wyandotte)	1	37.0	37.0	37.0	ST	NG	NG	1955	OP
	2	37.0	37.0	37.0	ST	NG	NG	1957	SB
	3	55.0	55.0	55.0	ST	NG	NG	1962	OP
Nearman Creek (Wyandotte)	1	261.0	235.0	235.0	ST	SUB	—	1981	OP
Quindaro (Wyandotte)	GT1	16.5	14.0	14.0	GT	NG	DFO	1969	OP
	GT2	64.7	47.0	47.0	GT	DFO	—	1974	OP
	GT3	64.7	47.0	47.0	GT	DFO	—	1977	OP
	ST1	81.6	73.0	73.0	ST	BIT	NG	1965	OP
	ST2	157.5	135.0	135.0	ST	BIT	NG	1971	OP
Kansas City Power & Light Co		1,578.0	1,362.0	1,362.0					
Lacygne (Linn)	**1	893.0	688.0	688.0	ST	SUB	—	1973	OP
	**2	685.0	674.0	674.0	ST	SUB	—	1977	OP
Kansas Gas & Electric Co		1,089.0	1,063.1	1,082.1					
Gordon Evans EC (Sedgwick)	1	136.0	151.0	151.0	ST	NG	RFO	1961	OP
	2	389.0	383.0	383.0	ST	NG	RFO	1967	OP
	**GT1	73.0	62.0 ^E	71.5 ^E	GT	NG	DFO	2000	OP
	GT2	73.0	62.0 ^E	71.5 ^E	GT	NG	DFO	2000	OP
Murray Gill EC (Sedgwick)	1	46.0	43.0	43.0	ST	NG	RFO	1952	OP
	2	75.0	74.0	74.0	ST	NG	RFO	1954	OP
	3	113.0	112.0	112.0	ST	NG	RFO	1956	OP
	4	113.0	106.0	106.0	ST	NG	RFO	1959	OP
Neosho (Labette)	3	69.0	67.0	67.0	ST	NG	RFO	1954	SB
Wichita Diesel (Sedgwick)	5	2.0	3.0	3.0	IC	DFO	—	1969	OP
Kingman, City of		21.6	20.0	20.3					
Kingman (Kingman)	1	1.4	1.2	1.2	IC	NG	DFO	1955	OP
	2	2.3	1.9	2.0	IC	NG	DFO	1962	OP
	4	2.2	1.9	2.0	IC	NG	DFO	1977	OP
	5	1.0	0.8	0.9	IC	NG	DFO	1953	OP
	6	3.5	3.4	3.4	IC	NG	DFO	1969	OP
	7	2.4	2.1	2.1	IC	NG	DFO	1979	OP
	8	2.5	2.4	2.4	IC	NG	DFO	1984	OP
	9	6.3	6.3	6.3	IC	NG	DFO	1993	OP
La Crosse, City of		6.3	5.2	5.2					
La Crosse (Rush)	1	1.1	0.7	0.7	IC	DFO	NG	1962	OP
	2	1.1	0.9	0.9	IC	DFO	NG	1964	OP
	3	0.7	0.6	0.6	IC	DFO	NG	1950	SB
	5	1.5	1.5	1.5	IC	DFO	NG	1969	OP
	6	1.8	1.5	1.5	IC	DFO	NG	1975	OP
Lakin, City of		4.4	4.1	4.1					
Lakin Municipal (Kearny)	LK1	4.4	4.1	4.1	IC	NG	DFO	1990	OP
Larned, City of		20.6	20.5	20.5					
Gas Turbine (Pawnee)	GT1	1.3	1.0	1.0	GT	NG	—	1955	OS
Larned (Pawnee)	1	1.5	1.5	1.5	ST	NG	RFO	1939	OS
	2	3.0	3.0	3.0	ST	NG	RFO	1948	OS
	3	8.3	9.0	9.0	ST	NG	RFO	1966	OP
	IC5	6.5	6.0	6.0	IC	DFO	NG	1976	OP
Lincoln Center, City of		10.7	9.1	9.1					
Lincoln (Lincoln)	1	1.3	1.1	1.1	IC	NG	DFO	1964	OP
	2	1.3	1.1	1.1	IC	NG	DFO	1964	OP
	4	0.8	0.6	0.6	IC	NG	DFO	1958	OP
	5	1.3	1.1	1.1	IC	NG	DFO	1960	OP
	6	2.5	2.2	2.2	IC	NG	DFO	1979	OP
	7	3.5	3.0	3.0	IC	NG	DFO	1974	OP
McPherson, City of		312.6	263.0	306.5					
McPherson 2 (Mcpherson)	1	26.6	26.6	26.6	ST	NG	RFO	1963	OP
	GT1	56.4	52.9	60.0	GT	NG	DFO	1973	OP
	GT2	56.4	50.9	60.0	GT	DFO	—	1976	OP
	GT3	57.6	52.0	60.0	GT	NG	DFO	1979	OP
McPherson 3 (Mcpherson)	NA1	115.6	80.6	99.9	GT	NG	DFO	1998	OP
Meade, City of		8.2	7.7	8.2					
Meade (Meade)	2	0.9	0.8	0.9	IC	DFO	NG	1951	OP
	3	1.1	1.1	1.1	IC	DFO	NG	1957	OP
	4	1.4	1.3	1.4	IC	DFO	NG	1961	OP
	5	2.1	2.0	2.2	IC	DFO	NG	1965	OP
	6	2.7	2.5	2.7	IC	DFO	NG	1972	OP

Table 27, continued.

Company Plant (County)	Unit ID	Generator Nameplate Capacity (megawatts)	Net Summer Capacity (megawatts)	Net Winter Capacity (megawatts)	Unit Type	Energy Primary	Alternate	Year of Commercial Operation	Unit Status
Midwest Energy Inc		35.7	32.0	32.0					
Bird City (Cheyenne)	1	2.0	2.0	2.0	IC	DFO	—	1965	OP
	2	2.0	2.0	2.0	IC	DFO	—	1966	OP
Colby (Thomas)	GT1	16.0	13.0	13.0	GT	NG	DFO	1970	OP
Ellis (Ellis)	1	1.0	1.0	1.0	IC	NG	DFO	1960	OP
	2	2.0	2.0	2.0	IC	NG	DFO	1965	SB
	3	0.6	0.5	0.5	IC	NG	DFO	1947	SB
	4	0.6	0.5	0.5	IC	NG	DFO	1954	SB
	5	1.6	1.0	1.0	IC	NG	—	1973	SB
Great Bend (Barton)	1	1.0	1.0	1.0	IC	NG	DFO	1947	OP
	2	1.0	1.0	1.0	IC	NG	DFO	1947	OP
	3	1.0	1.0	1.0	IC	NG	DFO	1949	OP
	4	1.0	1.0	1.0	IC	NG	DFO	1949	OP
	5	3.0	3.0	3.0	IC	NG	DFO	1954	OP
	6	3.0	3.0	3.0	IC	NG	DFO	1954	OP
Minneapolis, City of Minneapolis (Ottawa)		10.2	9.0	9.0					
	1	0.4	0.4	0.4	IC	DFO	—	1936	OP
	2	0.7	0.5	0.5	IC	NG	DFO	1947	OP
	3	1.3	1.2	1.2	IC	NG	DFO	1961	OP
	4	0.7	0.6	0.6	IC	NG	DFO	1955	OP
	5	2.1	1.8	1.8	IC	NG	DFO	1966	OP
	6	3.0	2.8	2.8	IC	NG	DFO	1972	OP
	7	2.0	1.8	1.8	IC	DFO	—	1989	OP
Mulvane, City of Mulvane (Sedgwick)		6.3	5.9	6.0					
	1	0.4	0.2	0.3	IC	DFO	—	1949	OP
	2	0.3	0.2	0.2	IC	DFO	—	1945	OP
	3	1.4	1.4	1.4	IC	NG	DFO	1963	OP
	4	1.4	1.4	1.4	IC	DFO	NG	1958	OP
	5	0.8	0.7	0.7	IC	DFO	NG	1967	OP
	6	2.1	2.0	2.0	IC	DFO	NG	1967	OP
Neodesha, City of Neodesha (Wilson)		8.2	7.8	7.8					
	5	1.3	1.0	1.0	IC	DFO	NG	1952	OP
	6	2.3	2.2	2.2	IC	DFO	NG	1956	OP
	7	2.0	2.0	2.0	IC	DFO	NG	1962	OP
	8	2.7	2.6	2.6	IC	DFO	NG	1968	OP
Norton, City of Norton (Norton)		11.3	10.1	10.1					
	1	1.0	0.9	0.9	IC	NG	DFO	1955	OP
	2	1.5	1.4	1.4	IC	NG	DFO	1960	OP
	3	2.8	2.5	2.5	IC	NG	DFO	1963	OP
	4	3.5	3.2	3.2	IC	NG	DFO	1968	OP
	5	2.5	2.3	2.3	IC	DFO	—	1977	OP
Oakley, City of Oakley (Logan)		8.2	7.5	7.8					
	1	1.4	1.3	1.3	IC	DFO	NG	1961	OP
	2	0.4	0.3	0.4	IC	DFO	—	1948	OP
	3	0.6	0.5	0.5	IC	DFO	NG	1951	OP
	4	0.9	0.9	0.9	IC	DFO	NG	1956	OP
	5	1.5	1.4	1.5	IC	DFO	NG	1965	OP
	6	3.4	3.2	3.3	IC	DFO	NG	1973	OP
Oberlin, City of Oberlin (Decatur)		7.0	5.6	5.6					
	1	1.1	0.9	0.9	IC	NG	DFO	1956	OP
	2	0.8	0.6	0.6	IC	NG	DFO	1954	OP
	4	1.5	1.2	1.2	IC	NG	DFO	1967	OP
	5	2.0	1.6	1.6	IC	NG	DFO	1973	OP
	6	1.5	1.2	1.2	IC	NG	DFO	1963	OP
Osage City, City of Osage City (Osage)		9.5	8.2	8.2					
	1	1.1	0.9	0.9	IC	DFO	NG	1955	OP
	2	1.3	1.1	1.1	IC	DFO	NG	1960	OP
	4	2.1	1.9	1.9	IC	DFO	NG	1967	OP
	5	2.1	1.9	1.9	IC	DFO	NG	1970	OP
	7	1.8	1.5	1.5	IC	DFO	NG	1984	OP
	IC6	1.1	0.9	0.9	IC	DFO	NG	1983	OP
Osawatonic, City of Osawatonic (Miami)		7.0	5.9	6.0					
	2	2.3	1.8	1.9	IC	DFO	NG	1957	OP
	3	0.4	0.3	0.3	IC	DFO	—	1934	OS
	4	1.2	1.0	1.0	IC	DFO	NG	1950	OP
	5	3.1	2.8	2.8	IC	DFO	NG	1966	OP

Table 27, continued.

Company Plant (County)	Unit ID	Generator Nameplate Capacity (megawatts)	Net Summer Capacity (megawatts)	Net Winter Capacity (megawatts)	Unit Type	Energy Primary	Alternate	Year of Commercial Operation	Unit Status
Osborne, City of Osborne (Osborne)	1	7.2 2.3	6.1 1.8	6.7 2.0	IC	DFO	NG	1967	OP
	2	2.0	1.8	2.0	IC	DFO	NG	1963	OP
	3	1.1	0.7	0.9	IC	DFO	NG	1957	OP
	6	0.5	0.5	0.5	IC	NG	—	1992	OP
	7	0.5	0.5	0.5	IC	NG	—	1992	OP
	8	0.8	0.8	0.8	IC	NG	—	1994	OP
Ottawa, City of Ottawa (Franklin)		30.8	27.9	29.6					
	GT1	11.5	9.0	10.5	GT	NG	—	1967	OP
	IC3	3.8	3.7	3.7	IC	NG	DFO	1962	OP
	IC4	3.5	3.4	3.5	IC	NG	DFO	1958	OP
	IC6	6.0	5.9	6.0	IC	NG	DFO	1981	OP
	IC7	6.0	5.9	6.0	IC	NG	DFO	1981	OP
Oxford, City of City of Oxford (Sumner)		6.8	5.0	5.0					
	1	1.1	0.6	0.6	IC	DFO	—	1986	OP
	2	1.1	0.6	0.6	IC	DFO	—	1986	OP
	3	1.1	0.6	0.6	IC	DFO	—	1986	OP
	6	1.8	1.6	1.6	IC	DFO	—	1999	OP
	7	1.8	1.6	1.6	IC	DFO	—	1999	OP
Pratt, City of Pratt 2 (Pratt) Pratt (Pratt)		31.5	31.3	32.4					
	IC2	8.0	8.0	8.0	IC	NG	DFO	1994	OP
	1	3.0	3.0 ^E	3.1 ^E	ST	DFO	NG	1938	OP
	3	5.0	5.8	5.8	ST	DFO	NG	1953	OP
	5	14.0	13.0	14.0	ST	DFO	NG	1965	OP
	IC1	1.5	1.5	1.5	IC	DFO	—	1958	OP
Russell, City of Russell (Russell)		15.7	14.4	14.4					
	11	3.6	3.2	3.2	IC	NG	DFO	1994	OP
	12	3.6	3.2	3.2	IC	NG	DFO	1994	OP
	7	3.5	3.0	3.0	IC	NG	DFO	1971	OP
	8	2.5	2.5	2.5	IC	DFO	—	1978	OP
	9	2.5	2.5	2.5	IC	DFO	—	1981	OP
Sabetha, City of Sabetha (Nemaha)		17.4	14.8	14.8					
	11	3.0	2.7	2.7	IC	DFO	NG	1992	OP
	2	1.5	1.3	1.3	IC	DFO	NG	1957	OP
	3	0.8	0.6	0.6	IC	DFO	NG	1947	OP
	4	1.0	0.8	0.8	IC	DFO	NG	1950	OP
	5	1.4	1.3	1.3	IC	DFO	NG	1961	OP
	6	1.4	1.3	1.3	IC	DFO	NG	1967	OP
	7	2.2	1.8	1.8	IC	DFO	NG	1970	OP
	8	2.5	2.1	2.1	IC	DFO	NG	1978	OP
	IC10	2.5	2.1	2.1	IC	DFO	NG	1990	OP
	IC9	1.1	1.0	1.0	IC	DFO	NG	1985	OP
Sharon Springs, City of Sharon Spring (Wallace)		3.1	2.9	3.0					
	1	1.0	0.9	1.0	IC	NG	DFO	1970	OP
	2	1.0	1.0	1.0	IC	NG	DFO	1964	OP
	3	0.4	0.4	0.4	IC	NG	DFO	1958	OP
	4	0.7	0.6	0.6	IC	NG	DFO	1951	OP
St Francis, City of St Francis (Cheyenne)		5.9	5.9	5.9					
	2	1.5	1.5	1.5	IC	NG	—	1964	OP
	3	0.8	0.8	0.8	IC	NG	—	1960	OP
	4	2.7	2.7	2.7	IC	NG	—	1972	OP
	5	0.9	0.9	0.9	IC	NG	—	1953	OP
St John, City of St John (Stafford)		4.6	4.6	4.8					
	3	0.9	0.9	0.9	IC	DFO	NG	1952	OP
	4	1.7	1.7	1.7	IC	DFO	NG	1965	OP
	5	2.0	2.0	2.2	IC	DFO	NG	1982	OP
Stafford, City of Stafford (Stafford)		5.1	5.1	5.1					
	1	0.9	0.9	0.9	IC	DFO	NG	1960	OP
	2	0.9	0.9	0.9	IC	DFO	NG	1953	OP
	3	0.8	0.8	0.8	IC	DFO	NG	1958	OP
	4	1.4	1.4	1.4	IC	DFO	NG	1973	OP
	5	1.1	1.1	1.1	IC	DFO	NG	1983	OP

Table 27, continued.

Company Plant (County)	Unit ID	Generator Nameplate Capacity (megawatts)	Net Summer Capacity (megawatts)	Net Winter Capacity (megawatts)	Unit Type	Energy Primary	Alternate	Year of Commercial Operation	Unit Status
Sterling, City of		6.2	4.8	4.8					
Sterling (Rice)	1	1.5	1.4	1.4	IC	DFO	NG	1962	OP
	2	0.6	0.5	0.5	IC	DFO	NG	1950	OP
	3	3.0	2.2	2.2	IC	DFO	NG	1972	OP
	4	1.1	0.8	0.8	IC	DFO	NG	1955	OP
Stockton, City of		6.3	5.8	5.9					
Stockton (Rooks)	1	1.1	1.1	1.1	IC	NG	DFO	1967	OP
	2	1.1	1.1	1.1	IC	NG	DFO	1962	OP
	3	2.1	1.9	2.0	IC	NG	DFO	1971	OP
	4	0.6	0.5	0.5	IC	NG	DFO	1951	OP
	5	1.4	1.3	1.3	IC	NG	DFO	1955	OP
Sunflower Electric Power Corp		632.0	528.0	551.0					
Garden City (Finney)	S2	98.0	85.0	88.0	ST	NG	—	1973	SB
	S3	16.0	12.0	13.0	GT	NG	—	1968	OP
	S4	65.0	50.0	55.0	GT	NG	—	1976	OP
	S5	65.0	50.0	55.0	GT	NG	—	1979	OP
Holcomb (Finney)	1	388.0	331.0	340.0	ST	SUB	NG	1983	OP
UtiliCorp United		383.4	374.5	374.5					
Arthur Mullergren (Barton)	3	81.6	92.0	92.0	ST	NG	RFO	1963	OP
Cimarron River (Seward)	1	50.0	58.0	58.0	ST	NG	—	1963	OP
	2	15.0	14.0	14.0	GT	NG	—	1967	OP
Clifton (Washington)	1	85.0	71.0	71.0	GT	NG	DFO	1974	OP
	2	3.0	2.5	2.5	IC	DFO	—	1974	OP
Judson Large (Ford)	4	148.8	137.0	137.0	ST	NG	RFO	1969	OP
Wamego, City of		12.2	11.8	12.2					
Wamego (Pottawatomie)	1	1.3	1.3	1.3	IC	NG	DFO	1963	OP
	3	1.3	1.3	1.3	IC	NG	DFO	1972	OP
	4	1.1	1.1	1.1	IC	NG	DFO	1956	OP
	5	2.0	1.8	2.0	IC	NG	DFO	1967	OP
	6	2.4	2.2	2.4	IC	NG	DFO	1979	OP
	7	1.4	1.4	1.4	IC	NG	DFO	1996	OP
	8	1.4	1.4	1.4	IC	NG	DFO	1996	OP
	9	1.4	1.4	1.4	IC	NG	DFO	1996	OP
Washington, City of		9.1	7.4	7.9					
Washington (Washington)	1	1.3	1.0	1.0	IC	DFO	NG	1963	OP
	2	1.0	0.8	0.8	IC	DFO	NG	1958	OP
	3	0.9	0.7	0.8	IC	DFO	NG	1978	OP
	5	0.7	0.4	0.5	IC	DFO	NG	1953	OP
	6	1.5	1.3	1.4	IC	DFO	NG	1967	OP
	7	1.1	0.9	1.0	IC	DFO	—	1976	OP
	IC4	2.6	2.3	2.4	IC	DFO	NG	1986	OP
Wellington, City of		41.0	41.5	41.5					
Wellington City (Sumner)	6	20.0	21.0	21.0	GT	NG	DFO	1989	OP
Wellington Municipal (Sumner)	4	20.0	19.5	19.5	ST	NG	DFO	1972	OP
	5	1.0	1.0	1.0	IC	DFO	NG	1956	OP
Western Resources Inc		3,682.0	3,664.0	3,664.0					
Abilene CT (Dickinson)	GT1	77.0	66.0	66.0	GT	NG	DFO	1973	OP
Hutchinson EC (Reno)	GT1	71.0	52.0	52.0	GT	NG	DFO	1974	OP
	GT2	71.0	50.0	50.0	GT	NG	DFO	1974	OP
	GT3	71.0	52.0	52.0	GT	NG	DFO	1974	OP
	GT4	86.0	78.0	78.0	GT	NG	DFO	1975	OP
	ST1	23.0	18.0	18.0	ST	NG	RFO	1950	OP
	ST2	23.0	18.0	18.0	ST	NG	RFO	1950	OP
	ST3	35.0	31.0	31.0	ST	NG	RFO	1950	OP
	ST4	172.0	191.0	191.0	ST	NG	RFO	1951	OP
Jeffrey EC (Pottawatomie)	**1	720.0	744.0	744.0	ST	SUB	—	1978	OP
	**2	720.0	741.0	741.0	ST	SUB	—	1980	OP
	**3	720.0	741.0	741.0	ST	SUB	—	1983	OP
Lawrence EC (Douglas)	2	37.0	26.0	26.0	ST	BIT	NG	1952	OP
	3	49.0	59.0	59.0	ST	BIT	NG	1955	OP
	4	114.0	119.0	119.0	ST	BIT	NG	1960	OP
	5	403.0	394.0	394.0	ST	BIT	NG	1971	OP
Tecumseh EC (Shawnee)	1	29.0	20.0	20.0	GT	NG	DFO	1972	OP
	2	29.0	21.0	21.0	GT	NG	DFO	1972	OP
	7	82.0	85.0	85.0	ST	BIT	NG	1957	OP
	8	150.0	158.0	158.0	ST	BIT	NG	1962	OP

Table 27, continued.

Company Plant (County)	Unit ID	Generator Nameplate Capacity (megawatts)	Net Summer Capacity (megawatts)	Net Winter Capacity (megawatts)	Unit Type	Energy Primary	Alternate	Year of Commercial Operation	Unit Status
Winfield, City of		37.5	37.1	40.1					
East 12th Street (Cowley)	4	26.5	25.9	28.7	ST	NG	DFO	1970	OP
West 14th Street (Cowley)	GT1	11.0	11.2	11.4	GT	NG	—	1962	OP
Wolf Creek Nuclear Oper Corp		1,235.8	1,170.0	1,194.0					
Wolf Creek (Coffey)	**1	1,235.8	1,170.0	1,194.0	ST	NUC	—	1985	OP
Kansas Total		10,733.7	10,085.9	10,213.8					

¹ Individual net summer and winter capabilities for these generators are not available. Within plant, reported value is the aggregated capacity of all these generators.

² A reciprocating engine (with spark plugs) that uses landfill gas to generate electricity.

³ An expander turbine unit using hot nitrogen.

^e Estimated.

** A jointly owned unit. See below for the list of owners.

* Less than 0.5 megawatts.

Jointly Owned Electric Generating Units by State, Company, and Plant, 2000.

State Company Plant (Company)	Unit ID	Date	Owner Companies ¹	Percent Owned
Kansas City Power & Light Co Lacygne	1	1973	Kansas City Power & Light Co Kansas Gas & Electric Co	50.00 50.00
	2	1977		
Kansas Gas & Electric Co	GT1	2000	KPL	100.00
			Western Resources Co	
Western Resources Inc Jeffrey EC	1	1978	Centel Corp Kansas Gas & Electric Co KPL Western Resources Co UtiliCorp United Inc	8.00 20.00 64.00 8.00
	2	1980		
	3	1983		
Wolf Creek Nuclear Oper Corp Wolf Creek	1	1985	Kansas City Power & Light Co	47.00
			Kansas Gas & Electric Co	47.00
			Several Municipals and Coops	6.00

¹ Includes owners that have 100 percent ownership but are not the operators of the unit.

Source: Energy Information Administration, Form EIA-860A, "Annual Electric Generator Report - Utility."

Table 28. Kansas Electric Power Industry Generation of Electricity by Energy Source, 1990, 1994, and 1999 (megawatthours). Source: *Kansas Electricity Profile 2001*, DOE/EIA (http://www.eia.doe.gov/cneaf/electricity/st_profiles/kansas/ks.html).

Fuel	1990	1994	1999	Annual Growth Rate 1990-1999 (%)	Percentage Share 1990	Percentage Share 1994	Percentage Share 1999
Total Utility	33,868,644	37,283,871	42,002,924	2.4	99.1	99.1	99.8
Coal	23,720,258	26,488,755	29,649,100	2.5	69.4	70.4	70.5
Petroleum	65,744	82,809	311,010	18.8	0.2	0.2	0.7
Gas	2,196,341	2,183,250	2,886,195	3.1	6.4	5.8	6.9
Nuclear	7,874,487	8,529,002	9,156,619	1.7	23	22.7	21.8
Hydroelectric	11,769	0	0	-100	0	0	0
Other	45	55	0	-100	0	0	0
Total Nonutility	324,518	335,997	67,373	-16	0.9	0.9	0.2
Petroleum	W	W	2,728	W	W	W	0
Gas	306,467	320,355	52,279	-17.8	0.9	0.9	0.1
Hydroelectric	W	W	12,367	W	W	W	0
Total Industry	34,193,162	37,619,868	42,070,297	2.3	100	100	100
Coal	23,720,258	26,488,755	29,649,100	2.5	69.4	70.4	70.5
Petroleum	W	W	313,738	W	W	W	0.7
Gas	2,502,808	2,503,605	2,938,474	1.8	7.3	6.7	7
Nuclear	7,874,487	8,529,002	9,156,619	1.7	23	22.7	21.8
Hydroelectric	W	W	12,367	W	W	W	0
Other	45	55	0	-100	0	0	0

Table 29. Existing Capacity and Planned Capacity Additions at Kansas Electric Utilities by Energy Source, 2000. Source: Inventory of Electric Utility Power Plants in the United States 2000, EIA, available on-line at: http://www.eia.doe.gov/cneaf/electricity/ipp/ipp_sum.html.

Source	Number of Units	Existing			Number of Units	Planned Additions ¹		
		Generator Nameplate Capacity (megawatts)	Net Summer Capacity (megawatts)	Net Winter Capacity (megawatts)		Generator Nameplate Capacity (megawatts)	Net Summer Capacity (megawatts)	Net Winter Capacity (megawatts)
Coal	17	5,549	5,295	5,304	—	—	—	—
Petroleum	207	601	522	537	—	—	—	—
Gas	194	3,348	3,099	3,179	—	—	—	—
Water (Pumped Storage Hydro.)	—	—	—	—	—	—	—	—
Water (Conventional Hydroelectric)	—	—	—	—	—	—	—	—
Nuclear	1	1,236	1,170	1,194	—	—	—	—
Waste Heat	—	—	—	—	—	—	—	—
Multi-Fuel	—	—	—	—	—	—	—	—
Other Renewable ³	—	—	—	—	—	—	—	—
Total	419	10,734	10,086	10,214	24	1,243	1,058	1,213

Table 30. Kansas Utility Class of Ownership, Number of Bundled Ultimate Consumers, Revenue, Sales, and Average Revenue per Kilowatt-hour for All Sectors, 2000. The average revenue per kilowatt-hour of electricity sold is calculated by dividing revenue by sales. All sectors include residential, commercial, industrial, and other customers. Electric utilities serving consumers in more than one State are listed under each State served. Bundled consumers are those provided electric service by a single utility, who did not select an alternate competitive energy supplier in State "retail wheeling" programs. Source: Energy Information Administration, Form EIA-861, *Annual Electric Utility Report* (<http://www.eia.doe.gov/cneaf/electricity/esr/esrt17p8.html#ks>).

Utility	Class of Ownership	Number of Consumer	Revenue (thousand dollars)	Sales (thousand kilowatt-hours)	Average Revenue per Kilowatt-hour (cents)
Alfa Electric Coop Inc.	Cooperative	820	742	9,370	7.92
Alma, City of	Publicly Owned	486	680	7,467	9.11
Altamont, City of	Publicly Owned	517	638	8,300	7.69
Anthony, City of	Publicly Owned	1,989	2,065	26,891	7.68
Arcadia, City of	Publicly Owned	193	191	1,746	10.94
Ark Valley Elec Coop Assn Inc.	Cooperative	4,801	8,073	77,948	10.36
Arma, City of	Publicly Owned	785	972	9,555	10.17
Ashland, City of	Publicly Owned	691	777	9,342	8.32
Attica, City of	Publicly Owned	462	490	5,959	8.22
Augusta, City of	Publicly Owned	4,396	4,295	65,554	6.55
Axtell, City of	Publicly Owned	232	175	2,370	7.38
Baldwin City, City of	Publicly Owned	1,404	2,053	24,711	8.31
Belleville, City of	Publicly Owned	1,484	2,154	21,492	10.02
Beloit, City of	Publicly Owned	2,251	2,929	43,293	6.77
Blue Mound, City of	Publicly Owned	164	116	2,010	5.77
Bluestem Electric Coop Inc.	Cooperative	6,271	8,101	79,391	10.20
Bronson, City of	Publicly Owned	178	189	2,178	8.68
Brown-Atchison E C A Inc.	Cooperative	2,969	4,213	44,651	9.44
Burlingame, City of	Publicly Owned	628	744	8,189	9.09
Burlington, City of	Publicly Owned	1,590	2,224	31,237	7.12
Butler Rural El Coop Assn Inc.	Cooperative	6,292	9,707	100,187	9.69
Caney Valley El Coop Assn Inc.	Cooperative	5,137	5,460	48,110	11.35
Cawker City, City of	Publicly Owned	446	417	4,748	8.78
Centralia, City of	Publicly Owned	306	343	3,666	9.36
Chanute, City of	Publicly Owned	5,700	9,215	180,288	5.11
Chapman, City of	Publicly Owned	638	706	5,869	12.03
Chetopa, City of	Publicly Owned	811	663	10,034	6.61
Cimarron, City of	Publicly Owned	997	1,451	15,517	9.35
Clay Center, City of	Publicly Owned	2,761	3,706	48,330	7.67
Coffeyville, City of	Publicly Owned	7,942	22,172	455,798	4.86
Colby, City of	Publicly Owned	2,886	3,149	56,784	5.55
CMS Electric Coop Inc.	Cooperative	5,160	7,154	70,287	10.18
D S & O Rural E C A Inc.	Cooperative	7,015	8,815	98,007	8.99
Dighton, City of	Publicly Owned	806	984	9,620	10.23
Doniphan Elec Coop Assn Inc.	Cooperative	1,613	1,364	17,220	7.92
Ellinwood, City of	Publicly Owned	1,353	1,401	13,942	10.05
Elsmore, City of	Publicly Owned	59	38	413	(6)
Elwood, City of	Publicly Owned	521	536	5,321	10.07
Empire District Electric Co.	Investor-Owned	10,282	13,373	238,593	5.60
Enterprise, City of	Publicly Owned	365	371	4,462	8.31
Erie, City of	Publicly Owned	709	853	10,326	8.26
Eudora, City of	Publicly Owned	1,829	2,182	30,960	7.05
Flint Hills Rural E C A Inc.	Cooperative	4,812	6,833	66,170	10.33
Fredonia, City of	Publicly Owned	1,726	2,463	25,757	9.56

Table 30, continued.

Utility	Class of Ownership	Number of Consumer	Revenue (thousand dollars)	Sales (thousand kilowatthours)	Average Revenue per Kilowatthour (cents)
Galva, City of	Publicly Owned	368	374	4,529	8.26
Garden City, City of	Publicly Owned	11,077	16,042	198,541	8.08
Gardner, City of	Publicly Owned	3,861	5,598	66,116	8.47
Garnett, City of	Publicly Owned	1,852	2,287	25,920	8.82
Girard, City of	Publicly Owned	1,770	2,784	32,676	8.52
Glasco, City of	Publicly Owned	389	323	3,631	8.90
Glen Elder, City of	Publicly Owned	418	323	3,932	8.21
Goodland, City of	Publicly Owned	2,816	3,898	49,922	7.81
Greensburg, City of	Publicly Owned	1,137	1,238	13,379	9.25
Haven, City of	Publicly Owned	550	812	9,961	8.15
Heartland Rural Elec Coop Inc.	Cooperative	10,235	11,614	113,806	10.21
Herington, City of	Publicly Owned	1,534	1,826	19,592	9.32
Herndon, City of	Publicly Owned	170	113	1,178	9.59
Hill City, City of	Publicly Owned	1,095	1,158	12,901	8.98
Hillsboro, City of	Publicly Owned	1,436	1,795	20,249	8.86
Hoisington, City of	Publicly Owned	1,795	1,622	21,192	7.65
Holton, City of	Publicly Owned	2,403	3,676	40,856	9.00
Holyrood, City of	Publicly Owned	318	271	3,276	8.27
Horton, City of	Publicly Owned	1,063	1,054	12,843	8.21
Hugoton, City of	Publicly Owned	1,999	2,819	28,138	10.02
Iola, City of	Publicly Owned	4,035	5,886	123,726	4.76
Isabel, City of	Publicly Owned	73	67	617	(6)
Iuka, City of	Publicly Owned	127	118	1,702	6.93
Jetmore, City of	Publicly Owned	611	565	7,935	7.12
Jewell-Mitchell Coop Elec Inc.	Cooperative	4,651	4,326	45,126	9.59
Johnson, City of	Publicly Owned	808	1,172	13,397	8.75
Kansas City, City of	Publicly Owned	65,216	114,129	2,234,895	5.11
Kansas City Power & Light Co.	Investor-Owned	204,483	359,871	5,397,872	6.67
Kansas Gas & Electric Co.	Investor-Owned	290,616	589,518	9,100,130	6.48
Kaw Valley Electric Coop Inc.	Cooperative	7,774	9,648	121,016	7.97
Kingman, City of	Publicly Owned	1,973	3,629	48,277	7.52
Kiowa, City of	Publicly Owned	795	837	10,228	8.18
La Crosse, City of	Publicly Owned	827	1,004	10,583	9.49
La Harpe, City of	Publicly Owned	338	286	3,080	9.29
Lakin, City of	Publicly Owned	1,048	1,804	13,419	13.44
Lane-Scott Electric Coop Inc.	Cooperative	2,578	4,655	52,820	8.81
Larned, City of	Publicly Owned	2,431	3,233	37,349	8.66
Leavenworth-Jefferson E C Inc.	Cooperative	7,097	8,784	95,468	9.20
Lincoln Center, City of	Publicly Owned	908	985	13,836	7.12
Lindsborg, City of	Publicly Owned	1,589	2,056	25,131	8.18
Lucas, City of	Publicly Owned	338	313	3,668	8.53
Luray, City of	Publicly Owned	162	122	1,453	8.40
Lyon-Coffey Electric Coop Inc.	Cooperative	8,684	8,316	83,785	9.93
Mankato, City of	Publicly Owned	647	608	8,261	7.36
Marion, City of	Publicly Owned	1,166	1,452	16,703	8.69
McPherson, City of	Publicly Owned	8,029	22,377	640,410	3.49
Meade, City of	Publicly Owned	960	1,306	13,798	9.47
Midwest Energy Inc.	Cooperative	35,180	57,556	826,501	6.96
Minneapolis, City of	Publicly Owned	1,047	1,104	16,265	6.79
Montezuma, City of	Publicly Owned	506	797	8,683	9.18
Moran, City of	Publicly Owned	311	346	4,891	7.07
Morrill, City of	Publicly Owned	161	101	1,276	7.92
Moundridge, City of	Publicly Owned	826	1,382	23,868	5.79
Mount Hope, City of	Publicly Owned	394	479	5,423	8.83
Mulberry, City of	Publicly Owned	295	268	2,591	10.34
Mulvane, City of	Publicly Owned	2,257	2,634	36,054	7.31
Muscotah, City of	Publicly Owned	110	76	850	(6)

Table 30, continued.

Utility	Class of Ownership	Number of Consumer	Revenue (thousand dollars)	Sales (thousand kilowatthours)	Average Revenue per Kilowatthour (cents)
N C K Electric Coop Inc.	Cooperative	2,982	3,571	32,494	10.99
Nemaha-Marshall E C A Inc.	Cooperative	3,288	3,237	43,578	7.43
Neodesha, City of	Publicly Owned	3,415	3,086	38,600	7.99
Ninnescah Rural E C A Inc.	Cooperative	3,336	5,039	58,684	8.59
Norton, City of	Publicly Owned	1,809	2,109	25,532	8.26
Oakley, City of	Publicly Owned	1,308	1,342	18,356	7.31
Oberlin, City of	Publicly Owned	1,296	1,381	14,490	9.53
Osage City, City of	Publicly Owned	1,567	1,560	22,941	6.80
Osawatomie, City of	Publicly Owned	2,096	2,681	27,557	9.73
Osborne, City of	Publicly Owned	1,019	1,135	15,092	7.52
Ottawa, City of	Publicly Owned	5,805	8,805	111,808	7.88
Oxford, City of	Publicly Owned	592	723	8,827	8.19
Pioneer Electric Coop Inc.	Cooperative	13,969	35,097	614,483	5.71
Pomona, City of	Publicly Owned	539	455	6,822	6.67
Prairie Land Electric Coop Inc.	Cooperative	8,228	10,190	106,055	9.61
Pratt, City of	Publicly Owned	3,760	6,189	65,684	9.42
Prescott, City of	Publicly Owned	146	139	1,183	11.75
Radiant Electric Coop Inc.	Cooperative	3,613	4,117	41,467	9.93
Radium, City of	Publicly Owned	22	15	164	(6)
Robinson, City of	Publicly Owned	162	103	1,301	7.92
Russell, City of	Publicly Owned	3,370	5,198	76,854	6.76
Sabetha, City of	Publicly Owned	1,700	4,410	39,744	11.10
Savonburg, City of	Publicly Owned	62	45	419	(6)
Seranton, City of	Publicly Owned	350	307	4,354	7.05
Sedgwick Cnty El Coop Assn Inc.	Cooperative	4,774	7,118	84,999	8.37
Seneca, City of	Publicly Owned	1,184	1,494	21,616	6.91
Seward, City of	Publicly Owned	40	47	585	(6)
Sharon Springs, City of	Publicly Owned	568	810	6,999	11.57
Smoky Hill Elec Coop Assn Inc.	Cooperative	2,874	3,795	36,713	10.34
Southwestern Public Service Co.	Investor-Owned	1,501	1,594	22,823	6.98
St Francis, City of	Publicly Owned	1,113	1,096	9,703	11.30
St John, City of	Publicly Owned	839	921	9,779	9.42
St Marys, City of	Publicly Owned	985	1,343	16,150	8.32
Stafford, City of	Publicly Owned	770	925	8,842	10.46
Sterling, City of	Publicly Owned	1,227	1,570	17,554	8.94
Stockton, City of	Publicly Owned	1,009	1,122	13,638	8.23
Summerfield, Town of	Publicly Owned	155	98	1,455	(6)
Summer-Cowley Elec Coop Inc.	Cooperative	4,172	7,036	61,967	11.35
Toronto, City of	Publicly Owned	200	170	1,965	8.65
Tri-County Electric Coop Inc.	Cooperative	14	11	123	(6)
Troy, City of	Publicly Owned	589	551	6,639	8.30
Twin Valley Electric Coop Inc.	Cooperative	2,325	2,996	26,379	11.36
Udall, City of	Publicly Owned	378	440	5,455	8.07
UtiliCorp United Inc.	Investor-Owned	68,969	125,437	1,759,898	7.13
Vermillion, City of	Publicly Owned	99	59	636	(6)
Victory Electric Coop Assn Inc.	Cooperative	4,186	8,752	122,324	7.15
Wamego, City of	Publicly Owned	2,000	2,666	37,888	7.04
Washington, City of	Publicly Owned	796	947	11,027	8.59
Waverille, City of	Publicly Owned	456	389	4,679	8.31
Wathena, City of	Publicly Owned	646	684	7,844	8.72
Wellington, City of	Publicly Owned	4,541	8,353	115,258	7.25
Western Coop Electric Assn Inc.	Cooperative	4,444	9,401	106,969	8.79
Western Resources Inc.	Investor-Owned	345,017	492,826	9,534,654	5.17
Wheatland Electric Coop Inc.	Cooperative	16,846	38,685	500,134	7.73
Winfield, City of	Publicly Owned	7,851	14,841	254,489	5.83
State Total		1,352,816	2,253,725	35,921,461	6.27

Table 31. Average Delivered Cost of Fossil Fuel Receipts at Kansas Electric Utilities, 1990 through 2000
(dollars per unit). Source: *Cost and Quality of Fuels for Electric Utility Plants*, DOE/EIA-0191, various years.

Year	Coal			Natural Gas			Petroleum		
	Short Ton	Million Btu	Million Btu per Short Ton	Mcf	Million Btu	Million Btu per MCF	Barrel	Million Btu	Million Btu per Barrel
1990	22.23	1.242		1.74	1.76		31.36	5.404	
1991	22.06	1.226		1.65	1.71		25.08	4.316	
1992	20.99	1.179		1.94	2.00		25.58	4.378	
1993	17.69	1.022		2.26	2.32		23.43	4.02	
1994	17.85	1.025	17.416	1.89	1.92	0.983	23.15	3.97	5.83
1995	17.83	1.021	17.460	1.58	1.61	0.980	21.56	3.69	5.84
1996	17.51	0.992	17.654	2.25	2.32	0.973	24.57	4.12	5.96
1997	17.91	1.021	17.532	2.53	2.58	0.978	18.26	2.82	6.47
1998	17.06	0.981	17.392	2.14	2.14	1.001	16.14	2.66	6.08
1999	16.47	0.954	17.256	2.36	2.34	1.010	19.77	3.19	6.20
2000	17.08	0.985	17.344	4.18	4.14	1.010	26.02	4.00	6.50

Table 32. Renewable Electric Power Industry Gross Generation in Kansas, 1990–2001 (thousand kilowatt hours). W = Data withheld to avoid disclosure or proprietary company data. Source: *Renewable Energy Annual 1999, 2000*, DOE/EIA.

Year	Hydroelectric	Geothermal	Solar/PV	Wind	MSW/	Wood/Wood	Other	Total
1990	11,769			45				11,814
1991	9,102			42				9,144
1992	W			113				113
1993	W			58				58
1994	W			55				55
1995	W			26				26
1996	W			0				0
1997	W			0				0
1998	11,541							11,541
1999	12,491							12,491
2000								
2001								

Table 33. Kansas Ethanol Production (million gallons per year) for 2000–2001 and Estimated Kansas Ethanol Production (million gallons per year) through 2008. Assumed energy value of ethanol: 76,000 Btu/gallon. Estimates based on ethanol plants operating at full capacity. Source: Renewable Fuels Association web site (www.rfa.org) and Kansas Corn Growers Association (Jill Zimmerman, personal communication, 2002).

Year	ESE Alcohol, Inc. (Leoti)	High Plains Corp. (Colwich)	Midwest Grain (Atchison)	Reeve Agri-Energy (Garden City)	U.S. Energy Partners (Russell)	Total	LLV Energy Value (trillion Btu)
2000	1.5	20	10	12	0	43.5	3.3
2001	1.5	20	10	12	4	47.7	3.6
2002	1.5	20	10	12	40	83.5	6.3
2003	1.5	20	0	12	40	73.5	5.6
2004						110	8.4
2006						160	12.2
2008						200	15.2

Table 34. Production of Crude Oil by State, 2001. ^a Includes the following offshore production (thousand barrels): Alaska: State - 79,547; California: State - 16,972; Louisiana: State - 12,740; Texas: State - 875; U.S. Total, including Federal offshore - 701,722. (s) = Less than 500 barrels or less than 500 barrels per day. Note: A final revision to the State data for 2001 will appear in the 2002 Petroleum Supply Annual. Totals may not equal sum of components due to independent rounding. Source: Petroleum Supply Annual 2001, Volume 1; Table 14.

Rank	State	Total	Daily Average
		(thousand barrels)	
1	Texas ^a	424,295	1,162
2	Alaska ^a	351,412	963
3	California ^a	260,665	714
4	Louisiana ^a	104,608	287
5	Oklahoma	68,531	188
6	New Mexico	68,001	186
7	Wyoming	57,432	157
8	Kansas	33,942	93
9	North Dakota	31,691	87
10	Mississippi	19,530	54
11	Colorado	16,518	45
12	Montana	15,919	44
13	Utah	15,251	42
14	Illinois	10,092	28
15	Alabama	9,333	26
16	Arkansas	7,591	21
17	Michigan	7,374	20
18	Ohio	6,050	17
19	Florida	4,426	12
20	Kentucky	2,970	8
21	Nebraska	2,922	8
22	Indiana	2,022	6
23	Pennsylvania	1,620	4
24	South Dakota	1,255	3
25	West Virginia	1,225	3
26	Nevada	571	2
27	Tennessee	349	1
28	New York	166	(s)
28	Missouri	90	(s)
30	Arizona	60	(s)
31	Virginia	12	(s)
	U.S. Total^a	2,117,511	5,801

Table 35. Net Generation by Census Division and State, 2000 and 1999 (million kilowatthours). Source: Electric Power Annual 2000 Volume I, EIA, August 2001.

2000 Rank	State	1999	2000
1	Texas	359,448	379,756
2	California	191,584	207,047
3	Pennsylvania	195,645	205,502
4	Florida	186,928	190,936
5	Illinois	163,601	177,404
6	Ohio	142,401	148,438
7	New York	144,643	138,039
8	Indiana	121,594	127,970
9	Alabama	120,865	124,554
10	Georgia	117,681	123,067
11	North Carolina	117,588	122,114
12	Washington	117,135	108,811
13	Michigan	103,350	104,222
14	Tennessee	93,419	95,918
15	West Virginia	94,781	92,783
16	Kentucky	93,108	92,630
17	South Carolina	90,330	92,614
18	Louisiana	90,096	89,938
19	Arizona	84,012	89,101
20	Virginia	74,165	77,013
21	Missouri	73,827	76,626
22	Wisconsin	58,500	59,230
23	New Jersey	56,995	58,204
24	Oklahoma	55,016	55,441
25	Minnesota	48,607	51,429
26	Oregon	56,708	51,415
27	Maryland	51,733	50,204
28	Wyoming	43,632	45,257
29	Kansas	42,070	44,834
30	Arkansas	46,622	43,975
31	Colorado	39,530	43,661
32	Iowa	38,842	41,519
33	Massachusetts	41,519	39,148
34	Mississippi	34,915	37,516
35	Utah	36,812	36,590
36	Nevada	32,800	35,639
37	New Mexico	32,581	33,994
38	Connecticut	28,830	33,478
39	North Dakota	31,421	31,284
40	Nebraska	30,057	29,122
41	Montana	31,483	28,803
42	New Hampshire	16,206	14,944
43	Maine	12,958	13,050
44	Idaho	14,404	11,967
45	Hawaii	10,503	10,652
46	South Dakota	10,557	9,697
47	Vermont	5,709	6,282
48	Alaska	5,812	6,140
49	Rhode Island	6,411	5,926
50	Delaware	6,877	5,912
51	District of Columbia	230	142

Table 36. Energy Consumption by Source and Total Consumption per Capita, Ranked by State, 1999. Source: U.S. Department of Energy, Energy Information Administration, State Energy Data Report 1999, May 2001 (<http://eia.doe.gov/pub/state.data/pdf/rank.pdf>). Table provided by the KU Policy Research Institute.

Total Consumption			Total Consumption Per Capita		
Rank	State	Trillion Btu	Rank	State	Million Btu
1	Texas	11,501.0	1	Alaska	1,121.5
2	California	8,375.4	2	Wyoming	879.4
3	Ohio	4,323.4	3	Louisiana	826.9
4	New York	4,283.0	4	North Dakota	577.1
5	Illinois	3,882.6	5	Texas	573.8
6	Florida	3,852.9	6	Arkansas	471.8
7	Pennsylvania	3,715.5	7	Montana	467.1
8	Louisiana	3,615.4	8	Kentucky	462.1
9	Michigan	3,239.6	9	Indiana	460.3
10	Georgia	2,798.1	10	Alabama	458.8
11	Indiana	2,735.8	11	Mississippi	436.5
12	New Jersey	2,588.7	12	Maine	421.9
13	North Carolina	2,446.9	13	Idaho	414.1
14	Washington	2,240.8	14	Oklahoma	410.2
15	Virginia	2,227.3	15	West Virginia	407.0
16	Tennessee	2,070.5	16	Kansas	395.6
17	Alabama	2,004.8	17	Iowa	390.9
18	Kentucky	1,830.2	18	Washington	389.3
19	Wisconsin	1,810.5	19	South Carolina	384.2
20	Missouri	1,768.0	20	Ohio	384.1
21	Minnesota	1,675.3	21	Tennessee	377.6
22	Massachusetts	1,569.1	22	Delaware	370.0
23	South Carolina	1,493.0	23	New Mexico	365.0
24	Maryland	1,378.2	24	Nebraska	361.3
25	Oklahoma	1,377.5	25	Georgia	359.3
26	Arizona	1,219.8	26	Minnesota	350.8
27	Mississippi	1,208.5	27	Wisconsin	344.8
28	Arkansas	1,203.7	28	Nevada	340.1
29	Colorado	1,155.5	29	Oregon	334.5
30	Iowa	1,121.7	30	Michigan	328.4
31	Oregon	1,109.2	31	Dist. of Col.	327.1
32	Kansas	1,050.0	32	South Dakota	326.0
33	Connecticut	839.3	33	Utah	325.8
34	West Virginia	735.4	34	Virginia	324.1
35	Alaska	694.7	35	Missouri	323.3
36	Utah	693.9	36	Illinois	320.1
37	New Mexico	635.0	37	North Carolina	319.8
38	Nevada	615.3	38	New Jersey	317.9
39	Nebraska	602.0	39	Pennsylvania	309.8
40	Maine	528.6	40	Colorado	284.9
41	Idaho	518.3	41	New Hampshire	279.2
42	Wyoming	421.8	42	Vermont	277.9
43	Montana	412.4	43	Maryland	266.5
44	North Dakota	365.7	44	Rhode Island	263.5
45	New Hampshire	335.4	45	Connecticut	255.7
46	Delaware	278.8	46	Arizona	255.3
47	Rhode Island	261.1	47	Florida	255.0
48	Hawaii	241.4	48	Massachusetts	254.1
49	South Dakota	239.0	49	California	252.7
50	Dist. of Col.	169.8	50	New York	235.4
51	Vermont	165.0	51	Hawaii	203.7
	United States	95,682.4		United States	350.9

Table 37. Average Price of Natural Gas Delivered to Residential Consumers by State, 2000. Source: Natural Gas Annual 2000, Table 24.

Rank	State	Average Price Dollars per Thousand Cubic Feet
1	Hawaii	21.87
2	Florida	12.93
3	Connecticut	11.43
4	D.C	10.81
5	New Hampshire	10.07
6	Virginia	9.98
7	Massachusetts	9.91
8	New York	9.86
9	Rhode Island	9.83
10	Maryland	9.78
11	Maine	9.71
12	North Carolina	9.53
13	Arizona	9.43
14	Alabama	9.22
15	South Carolina	9.15
16	Pennsylvania	8.49
17	Georgia	8.38
18	Louisiana	8.34
19	Delaware	8.33
20	California	8.21
21	Vermont	8.13
22	Oregon	8.12
23	Missouri	7.85
24	Iowa	7.81
25	Ohio	7.70
26	Kansas	7.64
27	Wisconsin	7.55
28	Mississippi	7.48
29	Tennessee	7.48
30	West Virginia	7.46
31	Arkansas	7.43
32	Kentucky	7.41
33	Texas	7.41
34	Oklahoma	7.36
35	South Dakota	7.34
36	Illinois	7.33
37	New Jersey	7.28
38	Washington	7.16
39	Minnesota	7.13
40	Nevada	6.63
41	Nebraska	6.45
42	Indiana	6.42
43	North Dakota	6.37
44	Idaho	6.28
45	Utah	6.20
46	Colorado	6.14
47	Wyoming	6.11
48	New Mexico	6.10
49	Montana	6.04
50	Michigan	5.11
51	Alaska	3.57
	Total	7.76

Table 38. Coal and Coal Coke Estimates by Sector, 2000. – = Not applicable. (s) = Physical unit value less than 0.5 or Btu value less than 0.05. Note: Totals may not equal sum of components due to independent rounding. Source: Energy Information Administration, State Energy Data, 2000.

State	Coal										Coal Coke			
	Residen- tial	Com- mercial	Indus- trial	Electric Utility	Total	Residen- tial	Com- mercial	Indus- trial	Electric Utility	Total	Imports	Exports	Imports	Exports
	Thousand Short Tons					Trillion Btu					Thous. Sh Tons		Trillion Btu	
Alabama	6	47	4,418	35,482	39,953	0.2	1.2	117.3	777.1	895.8	—	—	—	—
Alaska	57	465	331	170	1,023	0.9	7.3	4.7	0.0	12.9	—	—	—	—
Arizona	(s)	(s)	720	20,409	21,129	0.0	0.0	15.8	417.5	433.3	—	—	—	—
Arkansas	0	0	382	14,868	15,250	0.0	0.0	9.7	258.1	267.9	—	—	—	—
California	3	21	2,930	0	2,954	0.1	0.5	69.3	0.0	69.9	—	—	—	—
Colorado	9	71	766	18,807	19,653	0.2	1.6	17.9	368.5	388.2	—	—	—	—
Connecticut	(s)	3	1,473	0	1,477	(s)	0.1	36.1	0.0	36.3	—	—	—	—
Delaware	(s)	1	469	1,464	1,934	(s)	(s)	11.9	38.1	50.0	—	—	—	—
Dist. of Col.	1	6	0	0	7	(s)	0.1	0.0	0.0	0.2	—	—	—	—
Florida	1	8	3,558	27,534	31,101	(s)	0.2	89.1	679.0	768.4	—	—	—	—
Georgia	1	8	1,990	33,151	35,150	(s)	0.2	51.4	766.4	818.1	—	—	—	—
Hawaii	0	0	816	0	816	0.0	0.0	17.3	0.0	17.3	—	—	—	—
Idaho	2	17	603	0	623	(s)	0.4	12.7	0.0	13.1	—	—	—	—
Illinois	25	205	35,216	16,807	52,253	0.6	4.5	695.9	325.7	1,026.7	—	—	—	—
Indiana	30	245	14,258	57,741	72,274	0.8	6.1	362.8	1,224.6	1,594.3	—	—	—	—
Iowa	29	232	3,041	21,178	24,480	0.7	6.0	62.2	365.4	434.3	—	—	—	—
Kansas	1	10	134	20,700	20,845	(s)	0.3	3.3	359.0	362.6	—	—	—	—
Kentucky	21	169	7,515	35,031	42,736	0.5	4.4	184.4	813.0	1,002.4	—	—	—	—
Louisiana	(s)	(s)	5,774	9,959	15,734	0.0	0.0	94.7	158.0	252.7	—	—	—	—
Maine	(s)	3	385	0	388	(s)	0.1	9.9	0.0	10.0	—	—	—	—
Maryland	9	74	4,394	7,741	12,218	0.2	1.9	109.5	200.4	312.0	—	—	—	—
Massachusetts	2	15	4,097	442	4,556	(s)	0.4	102.6	11.6	114.7	—	—	—	—
Michigan	2	12	3,474	33,044	36,532	(s)	0.3	90.3	689.0	779.6	—	—	—	—
Minnesota	1	5	2,091	18,639	20,736	(s)	0.1	40.4	332.9	373.3	—	—	—	—
Mississippi	0	0	156	6,232	6,388	0.0	0.0	3.7	144.0	147.7	—	—	—	—
Missouri	19	157	941	37,184	38,301	0.4	3.5	21.4	662.8	688.2	—	—	—	—
Montana	(s)	3	10,234	317	10,554	(s)	(s)	172.7	4.2	177.0	—	—	—	—
Nebraska	0	0	407	11,503	11,910	0.0	0.0	8.1	198.6	206.7	—	—	—	—
Nevada	(s)	(s)	231	8,634	8,865	0.0	0.0	5.3	193.6	198.9	—	—	—	—
New Hampshire(s)	4	0	1,673	1,677	1,677	(s)	0.1	0.0	43.9	44.0	—	—	—	—
New Jersey	1	4	2,122	2,267	4,394	(s)	0.1	55.1	59.6	114.9	—	—	—	—
New Mexico	1	5	76	16,504	16,585	(s)	0.1	1.9	303.9	305.9	—	—	—	—
New York	11	90	10,925	1,608	12,634	0.3	2.3	284.0	42.2	328.7	—	—	—	—
North Carolina	12	101	3,334	27,925	31,372	0.3	2.7	87.2	695.2	785.5	—	—	—	—
North Dakota	15	119	6,719	25,048	31,902	0.2	1.7	95.8	327.0	424.8	—	—	—	—
Ohio	24	192	5,938	54,464	60,618	0.6	4.6	152.5	1,287.9	1,445.6	—	—	—	—
Oklahoma	0	0	1,743	19,679	21,423	0.0	0.0	37.9	343.5	381.4	—	—	—	—
Oregon	(s)	(s)	0	2,240	2,241	0.0	0.0	0.0	38.7	38.7	—	—	—	—
Pennsylvania	80	648	48,083	14,663	63,474	2.0	16.5	1,124.6	371.6	1,514.7	—	—	—	—
Rhode Island	(s)	2	0	0	2	(s)	(s)	0.0	0.0	0.1	—	—	—	—
South Carolina	0	0	1,912	15,034	16,947	0.0	0.0	50.4	382.7	433.1	—	—	—	—
South Dakota	(s)	1	602	2,211	2,815	(s)	(s)	12.3	37.4	49.7	—	—	—	—
Tennessee	12	100	3,349	25,401	28,862	0.3	2.6	87.4	590.8	681.1	—	—	—	—
Texas	1	11	4,490	97,077	101,579	(s)	0.2	73.0	1,465.5	1,538.6	—	—	—	—
Utah	6	53	2,627	14,688	17,373	0.2	1.2	59.5	343.0	403.9	—	—	—	—
Vermont	(s)	1	0	0	1	(s)	(s)	0.0	0.0	(s)	—	—	—	—
Virginia	9	74	5,919	13,524	19,526	0.2	2.0	154.9	346.6	503.7	—	—	—	—
Washington	2	18	4,255	2,223	6,498	0.1	0.5	68.7	36.9	106.2	—	—	—	—
West Virginia	24	193	4,106	35,651	39,974	0.6	5.0	97.9	875.7	979.1	—	—	—	—
Wisconsin	18	144	1,715	24,051	25,929	0.5	3.9	40.6	440.9	485.8	—	—	—	—
Wyoming	15	122	1,913	26,366	28,416	0.3	2.5	38.6	464.2	505.6	—	—	—	—
United States	452	3,659	220,633	859,335	1,084,080	10.5	85.3	4,943.1	17,484.5	22,523.5	3,781	1,146	93.8	28.4

Table 39. Total Petroleum Consumption Estimates by Sector, 2000. Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes. (s) = Btu value less than 0.05. Note: Totals may not equal sum of components due to independent rounding. Source: Energy Information Administration, State Energy Data 2000.

State	Consumption											
	Residen- tial	Com- mercial	Indus- trial	Transpor- tation	Electric Utilities	Total	Residen- tial	Com- mercial	Indus- trial	Transpor- tation	Electric Utilities	Total
	Thousand Barrels						Trillion Btu					
Alabama	4,985	1,780	15,395	84,035	468	106,664	18.1	8.4	90.7	456.2	2.7	576.1
Alaska	1,349	807	6,081	37,396	1,080	46,713	7.4	4.6	36.3	209.5	6.6	264.5
Arizona	1,254	835	8,823	82,134	402	93,448	4.5	4.3	52.8	442.2	2.4	506.3
Arkansas	2,712	912	16,840	53,233	360	74,057	9.8	4.2	88.6	289.0	2.2	393.9
California	5,775	3,288	80,080	558,011	330	647,484	21.8	16.9	473.9	3,043.2	1.9	3,557.7
Colorado	2,929	1,393	13,593	67,102	197	85,215	10.8	6.9	75.3	360.8	1.2	455.0
Connecticut	14,996	4,289	7,515	42,498	21	69,318	84.4	24.1	41.2	226.3	0.1	376.0
Delaware	1,953	816	7,979	13,279	729	24,757	9.7	4.6	47.1	72.8	4.5	138.7
Dist. of Col.	212	839	97	4,793	272	6,213	1.2	4.8	0.6	25.5	1.7	33.8
Florida	4,602	3,641	29,012	261,872	56,728	355,856	17.1	19.3	163.9	1,416.2	354.2	1,970.7
Georgia	4,942	2,274	24,987	159,903	1,397	193,503	18.4	11.3	139.6	862.1	8.4	1,039.8
Hawaii	437	243	3,629	22,753	11,439	38,501	1.6	1.2	22.1	126.7	70.7	222.3
Idaho	1,967	834	6,794	22,367	5	31,967	8.2	4.3	41.2	120.9	(s)	174.6
Illinois	5,964	2,847	61,159	177,483	276	247,728	22.7	14.3	331.3	957.1	1.7	1,327.1
Indiana	6,374	2,352	34,947	121,499	1,704	166,875	25.9	11.7	201.6	660.7	10.2	910.0
Iowa	5,809	1,953	25,405	49,373	219	82,759	22.1	9.0	118.8	265.7	1.3	416.8
Kansas	2,635	1,115	30,004	45,055	803	79,612	9.6	5.4	144.6	242.7	4.9	407.3
Kentucky	3,617	1,676	47,550	79,372	261	132,476	14.9	8.6	256.4	431.7	1.5	713.2
Louisiana	2,274	2,933	178,028	149,178	1,021	333,434	8.3	14.9	804.3	847.0	6.3	1,680.8
Maine	9,395	3,715	9,210	22,421	0	44,740	52.1	21.3	56.1	120.9	0.0	250.5
Maryland	6,499	3,290	13,796	75,000	2,688	101,273	34.8	18.6	81.8	401.6	16.7	553.4
Massachusetts	21,559	7,368	10,703	84,360	244	124,235	121.4	42.8	60.4	450.7	1.5	676.7
Michigan	14,303	3,707	32,114	149,034	2,057	201,214	58.7	17.2	178.6	794.7	12.8	1,062.0
Minnesota	7,730	2,106	23,062	91,809	1,298	126,005	33.0	10.2	133.4	496.0	7.8	680.3
Mississippi	4,036	1,039	15,377	61,133	4,585	86,170	14.6	4.5	88.0	332.8	28.8	468.7
Missouri	6,360	2,481	18,163	102,778	592	130,373	23.8	12.0	100.1	553.2	3.4	692.5
Montana	1,136	357	10,050	18,619	1	30,163	4.6	1.7	60.6	101.4	(s)	168.3
Nebraska	1,861	793	8,004	31,546	119	42,323	7.0	3.8	43.2	171.5	0.7	226.1
Nevada	693	387	3,554	37,706	119	42,459	2.8	2.0	19.8	204.7	0.7	230.1
New Hampshire	6,562	2,345	5,009	19,250	783	33,948	34.2	13.0	27.0	102.3	4.9	181.3
New Jersey	12,025	5,403	42,000	168,091	715	228,233	65.6	30.7	238.7	922.3	4.4	1,261.7
New Mexico	2,053	673	9,612	33,956	60	46,353	7.4	3.1	55.4	184.4	0.3	250.7
New York	42,179	28,146	41,019	176,432	19,306	307,081	231.5	166.5	230.5	949.5	120.7	1,698.8
North Carolina	12,065	4,486	34,663	130,883	1,005	183,102	54.5	23.2	190.3	701.7	5.9	975.7
North Dakota	2,314	565	6,675	12,956	95	22,605	9.6	2.6	36.9	70.4	0.6	120.1
Ohio	9,851	3,515	50,187	180,441	778	244,772	43.0	17.6	291.6	974.2	4.5	1,330.9
Oklahoma	2,669	770	17,809	74,586	77	95,912	9.8	3.4	100.0	407.8	0.5	521.5
Oregon	1,465	901	9,834	56,355	105	68,660	7.1	5.0	59.1	306.0	0.6	377.9
Pennsylvania	27,268	7,362	39,755	178,678	3,691	256,755	148.4	41.3	235.0	968.5	23.0	1,416.2
Rhode Island	3,452	1,186	929	12,214	18	17,800	19.5	7.0	5.4	65.2	0.1	97.2
South Carolina	3,262	1,277	13,451	70,763	716	89,469	13.9	6.5	76.8	379.6	4.2	481.1
South Dakota	2,013	582	4,766	14,695	136	22,193	8.0	2.8	27.6	79.3	0.8	118.5
Tennessee	4,005	1,827	19,464	106,148	1,059	132,503	15.6	9.2	114.9	574.3	6.2	720.1
Texas	10,789	8,204	647,303	464,991	2,294	1,133,581	39.0	43.5	2,853.4	2,551.9	13.5	5,501.3
Utah	693	610	8,338	40,527	99	50,266	2.7	3.3	48.5	220.2	0.6	275.3
Vermont	3,983	1,377	1,186	9,844	159	16,549	20.2	7.6	6.6	52.2	0.9	87.5
Virginia	10,590	4,711	20,165	126,427	3,848	165,741	53.7	26.2	114.9	685.0	24.0	903.7
Washington	3,287	1,282	38,238	113,212	453	156,472	14.5	6.5	222.9	620.9	2.6	867.5
West Virginia	1,599	569	9,236	28,156	448	40,009	7.6	3.0	52.8	152.2	2.6	218.2
Wisconsin	9,616	2,794	33,983	78,095	462	124,951	41.4	13.7	189.1	419.1	2.7	666.0
Wyoming	541	600	8,954	17,946	66	28,107	2.0	3.3	52.3	99.6	0.4	157.7
United States	320,636	139,253	1,804,529	4,820,389	125,788	7,210,595	1,518.4	752.1	9,181.8	26,170.7	778.8	38,401.9

Table 40. Natural Gas Consumption Estimates by Sector, 2000. Note: Totals may not equal sum of components due to independent rounding. (s) = Btu value less than 0.05 or physical unit value less than 0.5 Consumption includes supplemental gaseous fuels; transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and, since 1990, as vehicle fuel. Source: Energy Information Administration, State Energy Data, 2000.

State	Consumption											
	Residen- tial	Com- mercial	Indus- trial	Transpor- tation	Electric Utilities	Total	Residen- tial	Com- mercial	Indus- trial	Transpor- tation	Electric Utilities	Total
	Billion Cubic Feet						Trillion Btu					
Alabama	46	25	207	23	36	337	47.8	26.4	215.7	23.6	37.6	351.1
Alaska	16	26	342	7	36	427	12.2	20.1	260.2	5.6	35.6	333.6
Arizona	35	32	25	21	92	205	35.1	32.5	25.4	20.9	93.5	207.4
Arkansas	42	33	135	9	35	254	43.2	33.8	137.3	8.9	35.3	258.5
California	517	246	1,415	14	129	2,322	505.2	240.9	1,383.5	13.9	129.7	2,273.2
Colorado	116	61	127	9	32	346	117.1	61.3	127.9	9.4	32.8	348.6
Connecticut	42	48	34	3	0	127	42.6	49.7	34.4	3.2	0.0	129.9
Delaware	9	5	33	(s)	4	52	9.8	5.3	34.4	0.1	4.4	54.0
Dist. of Col.	15	18	0	(s)	0	33	15.9	18.2	0.0	0.3	0.0	34.3
Florida	15	48	142	7	316	529	16.5	52.3	155.2	7.8	328.5	560.5
Georgia	141	59	173	6	21	401	143.3	59.8	176.3	6.3	22.1	407.7
Hawaii	1	2	1	0	0	3	0.6	1.9	0.6	0.0	0.0	3.0
Idaho	19	13	32	6	0	71	19.6	13.7	33.3	6.1	0.0	72.8
Illinois	467	202	335	13	3	1,020	477.3	206.2	342.6	13.6	2.8	1,042.6
Indiana	160	90	312	6	8	576	164.0	92.6	320.1	5.8	7.9	590.5
Iowa	74	46	100	8	5	233	74.2	45.8	100.9	8.3	4.7	234.0
Kansas	71	40	139	39	34	321	71.1	40.0	140.0	38.8	33.8	323.7
Kentucky	65	39	103	14	4	225	67.3	40.2	107.5	14.4	4.2	233.5
Louisiana	50	26	1,099	50	292	1,517	52.9	27.3	1,169.2	53.3	301.9	1,604.7
Maine	1	3	4	1	0	9	1.1	3.0	4.2	0.9	0.0	9.2
Maryland	84	56	46	3	21	210	86.8	57.5	47.7	3.4	21.6	217.1
Massachusetts	114	64	152	2	3	335	118.9	66.5	158.2	2.5	3.3	349.4
Michigan	366	186	308	26	44	930	379.3	193.0	319.6	27.4	30.9	950.2
Minnesota	129	95	104	21	5	354	131.4	96.0	105.5	21.4	5.5	359.7
Mississippi	27	21	116	31	89	284	27.8	22.3	120.4	32.2	91.6	294.3
Missouri	115	63	69	8	30	285	117.2	63.9	70.3	7.7	30.7	289.7
Montana	20	14	26	6	(s)	67	20.5	13.9	27.0	6.5	0.2	68.1
Nebraska	42	28	46	3	6	125	41.9	28.6	46.2	3.2	5.5	125.4
Nevada	30	26	47	1	80	183	30.8	26.3	47.9	1.0	81.9	187.8
New Hampshire	7	8	4	(s)	1	21	7.7	8.8	4.7	(s)	0.8	22.1
New Jersey	220	159	195	3	17	594	227.6	164.1	202.2	3.0	17.4	614.3
New Mexico	36	27	86	46	38	234	34.6	26.3	83.0	44.4	38.7	227.1
New York	404	410	339	8	96	1,257	415.8	421.3	348.5	8.6	97.6	1,291.9
North Carolina	64	43	105	7	10	229	65.8	44.4	108.6	7.4	9.8	236.0
North Dakota	11	11	24	11	0	57	11.3	11.2	25.1	10.9	0.0	58.6
Ohio	343	178	333	19	7	880	357.8	185.1	347.2	19.7	7.0	916.7
Oklahoma	67	43	231	21	169	531	67.1	43.3	232.8	21.6	173.9	538.8
Oregon	39	29	104	12	42	225	39.8	29.4	107.2	12.2	42.2	230.8
Pennsylvania	263	145	254	38	3	703	272.0	150.4	262.9	39.5	3.1	727.7
Rhode Island	19	13	46	(s)	0	78	19.4	13.5	48.2	0.3	0.0	81.3
South Carolina	29	22	98	3	3	155	29.9	22.7	100.5	3.6	2.9	159.6
South Dakota	13	10	7	6	4	40	12.7	10.2	7.4	6.3	3.6	40.2
Tennessee	68	53	130	14	2	266	70.5	55.2	134.4	14.3	1.9	276.2
Texas	193	186	2,452	57	1,245	4,134	199.5	191.9	2,532.8	59.2	1,269.9	4,253.4
Utah	56	31	64	3	11	164	58.5	32.9	67.3	3.0	11.1	172.7
Vermont	3	3	4	(s)	1	10	2.9	2.6	4.0	(s)	1.0	10.6
Virginia	80	66	102	8	16	272	82.5	68.4	105.9	8.3	16.4	281.6
Washington	72	50	116	6	41	286	74.3	52.2	120.3	6.4	43.4	296.7
West Virginia	32	26	54	33	(s)	144	33.8	28.0	57.3	34.8	0.4	154.2
Wisconsin	135	81	160	4	12	392	136.4	81.9	161.4	4.1	12.1	396.0
Wyoming	12	10	59	14	2	97	12.7	10.2	62.0	14.8	1.9	101.6
United States	4,992	3,218	10,642	653	3,043	22,547	5,104.0	3,293.0	10,835.0	669.0	3,101.0	23,003.0

Table 41. Electricity Consumption Price, and Expenditure Estimates by Sector, 2000. (s) = Physical unit value less than 0.5 or Btu value less than 0.05 or expenditure value less than 0.05. Note: Totals may not equal sum of components due to independent rounding. Source: Energy Information Administration, State Energy Data, 2000.

State	Consumption										Prices					Expenditures				
	Residen- tial	Com- mercial	Indus- trial	Trans- mission	Total	Residen- tial	Com- mercial	Indus- trial	Trans- mission	Total	Residen- tial	Com- mercial	Indus- trial	Trans- mission	Total	Residen- tial	Com- mercial	Indus- trial	Trans- mission	Total
	Million Kilowatthours					Trillion Btu					Nominal Dollars per Million Btu					Million Nominal Dollars				
AL	28,756	19,734	35,034	0	83,524	98.1	67.3	119.5	0.0	285.0	20.67	19.34	11.35	0.00	16.60	2,027.8	1,302.2	1,262.3	0.0	4,592.3
AK	1,855	2,418	1,037	0	5,310	6.3	8.3	3.5	0.0	18.1	33.57	29.61	22.17	0.00	29.60	212.5	244.4	75.2	0.0	532.0
AZ	24,844	24,311	11,975	0	61,130	84.8	82.9	40.9	0.0	208.6	24.73	20.54	15.45	0.00	21.25	2,096.1	1,703.7	631.5	0.0	4,431.2
AR	14,871	9,472	17,268	0	41,611	50.7	32.3	58.9	0.0	142.0	21.85	17.49	12.32	0.00	17.04	1,108.5	565.1	674.9	0.0	2,348.6
CA	79,241	99,900	64,311	606	244,057	270.4	340.9	219.4	2.1	832.7	31.92	28.91	20.94	14.33	27.82	8,629.0	9,852.7	4,403.2	29.6	22,914.6
CO	14,029	19,028	9,955	9	43,020	47.9	64.9	34.0	(s)	146.8	21.41	16.62	12.47	22.77	17.27	1,024.8	1,078.8	403.6	0.7	2,508.0
CT	11,645	12,496	5,811	0	29,952	39.7	42.6	19.8	0.0	102.2	31.82	27.27	21.44	0.00	27.91	1,264.5	1,162.8	425.1	0.0	2,852.3
DE	3,575	4,099	3,601	0	11,274	12.2	14.0	12.3	0.0	38.5	25.03	17.55	10.93	0.00	17.86	305.3	245.5	131.0	0.0	681.8
DC	1,624	8,540	273	179	10,616	5.5	29.1	0.9	0.6	36.2	23.53	22.07	13.89	19.54	22.04	130.4	643.1	12.9	11.9	798.3
FL	99,006	77,900	18,884	54	195,843	337.8	265.8	64.4	0.2	668.2	22.78	18.48	14.18	20.40	20.24	7,696.3	4,912.4	913.5	3.7	13,525.9
GE	44,560	38,443	36,085	96	119,185	152.0	131.2	123.1	0.3	406.7	22.27	19.28	12.03	24.95	18.25	3,386.3	2,528.4	1,445.5	8.2	7,368.4
HA	2,765	3,092	3,834	0	9,691	9.4	10.6	13.1	0.0	33.1	48.09	43.41	34.25	0.00	41.24	453.6	458.0	429.5	0.0	1,341.2
ID	7,006	7,420	8,408	0	22,834	23.9	25.3	28.7	0.0	77.9	15.79	12.40	9.12	0.00	12.23	377.5	314.0	261.7	0.0	953.2
IL	40,146	53,152	40,939	459	134,697	137.0	181.4	139.7	1.6	459.6	25.89	20.57	14.62	16.50	20.38	3,546.3	3,730.1	1,990.9	25.9	9,293.1
IN	28,649	21,070	48,040	16	97,775	97.7	71.9	163.9	0.1	333.6	20.12	17.67	11.16	27.45	15.24	1,966.8	1,270.6	1,782.7	1.5	5,021.6
IA	12,029	9,932	17,127	(s)	39,088	41.0	33.9	58.4	(s)	133.4	24.54	19.07	11.39	17.97	17.39	1,007.3	646.1	665.4	(s)	2,318.8
KS	12,528	13,171	10,222	0	35,921	42.7	44.9	34.9	0.0	122.6	22.43	18.47	13.33	0.0	18.42	958.8	830.0	453.2	0.0	2,241.9
KE	23,374	17,252	37,689	0	78,316	79.8	58.9	128.6	0.0	267.2	16.03	14.65	8.83	0.00	12.31	1,278.7	862.5	1,107.0	0.0	3,248.1
LA	27,719	21,018	31,950	3	80,690	94.6	71.7	109.0	(s)	275.3	22.49	20.96	14.67	20.46	19.12	2,127.1	1,502.8	1,487.2	(s)	5,117.3
ME	3,737	3,876	4,551	(s)	12,163	12.7	13.2	15.5	(s)	41.5	36.59	30.12	20.19	33.56	28.40	466.6	398.3	313.6	(s)	1,178.5
MD	23,949	26,506	10,066	156	60,678	81.7	90.4	34.3	0.5	207.0	23.31	19.38	12.13	26.06	19.75	1,905.0	1,753.1	416.7	13.9	4,088.6
MA	17,562	23,439	10,533	239	51,773	59.9	80.0	35.9	0.8	176.6	30.87	27.06	24.03	44.90	27.82	1,850.0	2,164.0	863.5	36.6	4,914.0
MI	30,707	36,793	37,268	4	104,772	104.8	125.5	127.2	(s)	357.5	24.98	23.36	14.93	31.57	20.89	2,617.7	2,932.2	1,850.1	(s)	7,400.4
MN	18,629	12,311	28,842	0	59,782	63.6	42.0	98.4	0.0	204.0	22.03	18.84	13.40	0.00	17.26	1,400.1	791.5	1,285.6	0.0	3,477.2
MS	17,193	12,287	15,856	0	45,336	58.7	41.9	54.1	0.0	154.7	20.31	19.16	12.14	0.00	17.27	1,191.5	803.4	610.8	0.0	2,605.6
MO	29,581	26,962	16,080	19	72,643	100.9	92.0	54.9	0.1	247.9	20.65	17.10	12.98	17.66	17.63	2,083.9	1,573.2	712.0	1.2	4,370.2
MT	3,908	4,104	6,568	0	14,580	13.3	14.0	22.4	0.0	49.7	19.02	15.33	11.63	0.00	14.72	253.6	214.6	248.4	0.0	716.6
NE	8,346	8,727	7,276	0	24,349	28.5	29.8	24.8	0.0	83.1	19.13	16.27	10.59	0.00	15.55	544.6	484.3	262.8	0.0	1,291.8
NV	9,406	7,147	11,239	0	27,792	32.1	24.4	38.3	0.0	94.8	21.34	19.27	14.60	0.00	18.14	684.9	469.9	536.7	0.0	1,691.5
NH	3,656	3,905	2,597	0	10,159	12.5	13.3	8.9	0.0	34.7	38.54	31.83	26.87	0.00	32.98	480.8	424.1	238.1	0.0	1,143.1
NJ	24,547	33,474	11,812	144	69,977	83.8	114.2	40.3	0.5	238.8	30.11	26.89	25.14	35.50	27.75	2,521.9	3,071.1	988.8	17.5	6,599.3
NM	4,937	8,371	5,492	0	18,801	16.8	28.6	18.7	0.0	64.1	24.50	19.84	13.73	0.00	19.40	412.7	566.6	239.4	0.0	1,218.7
NY	43,018	70,417	25,838	2,753	142,027	146.8	240.3	88.2	9.4	484.6	40.95	35.50	15.75	25.39	33.36	6,009.8	8,529.7	1,388.6	238.5	16,166.6
NC	46,537	39,067	34,252	0	119,855	158.8	133.3	116.9	0.0	408.9	23.36	18.67	13.43	0.00	18.99	3,709.1	2,488.7	1,569.3	0.0	7,767.1
ND	3,390	2,992	3,031	0	9,413	11.6	10.2	10.3	0.0	32.1	18.86	17.01	11.65	0.00	15.99	218.2	173.6	117.5	0.0	509.2
OH	46,488	44,635	74,019	53	165,195	158.6	152.3	252.6	0.2	563.6	25.23	21.93	12.82	17.89	18.84	4,002.2	3,339.1	3,154.7	3.2	10,499.2
OK	19,640	15,989	13,935	0	49,564	67.0	54.6	47.5	0.0	169.1	20.59	17.64	11.98	0.00	17.26	1,379.8	962.3	555.4	0.0	2,897.4
OR	18,212	15,730	16,353	35	50,330	62.1	53.7	55.8	0.1	171.7	17.23	15.00	10.43	20.80	14.33	1,070.9	805.0	581.9	2.5	2,460.2
PA	45,008	42,988	45,449	401	133,845	153.6	146.7	155.1	1.4	456.7	27.94	22.80	16.50	31.39	22.46	4,290.9	3,343.7	2,497.7	42.9	10,175.2
RI	2,664	3,243	1,394	0	7,301	9.1	11.1	4.8	0.0	24.9	33.06	28.95	25.69	0.00	29.82	300.5	320.3	122.1	0.0	743.0
SC	25,270	18,434	33,308	0	77,012	86.2	62.9	113.6	0.0	262.8	22.22	18.59	10.96	0.00	16.49	1,916.2	1,169.5	1,246.1	0.0	4,331.8
SD	3,423	2,857	2,003	0	8,283	11.7	9.7	6.8	0.0	28.3	21.74	18.42	13.17	0.00	18.52	253.9	179.6	90.0	0.0	523.5
TN	36,622	26,814	32,289	2	95,728	125.0	91.5	110.2	(s)	326.6	18.54	18.69	11.98	25.76	16.41	2,316.4	1,710.1	1,286.1	(s)	5,312.8
TX	116,895	99,748	101,588	30	318,263	398.8	340.3	346.6	0.1	1,085.9	23.33	20.11	12.96	19.84	19.15	9,304.8	6,844.4	4,176.7	2.1	20,327.9
UT	6,514	8,746	7,917	8	23,185	22.2	29.8	27.0	(s)	79.1	18.43	15.01	9.82	12.13	14.27	409.6	447.8	252.8	(s)	1,110.6
VT	2,037	1,956	1,646	0	5,639	7.0	6.7	5.6	0.0	19.2	36.04	31.20	21.44	0.00	30.10	250.5	208.2	120.4	0.0	579.1
VA	37,541	38,459	20,619	96	96,715	128.1	131.2	70.4	0.3	330.0	22.04	16.08	11.42	14.79	17.43	2,822.6	2,110.6	784.3	4.8	5,722.4
WA	33,036	28,047	35,410	18	96,511	112.7	95.7	120.8	0.1	329.3	15.04	13.74	9.68	10.70	12.74	1,695.1	1,314.4	1,121.0	0.7	4,131.2
WV	9,738	6,872	11,083	0	27,693	33.2	23.4	37.8	0.0	94.5	18.36	16.13	11.03	0.00	14.91	610.1	378.3	406.9	0.0	1,395.3
WI	19,929	19,055	26,162	(s)	65,146	68.0	65.0	89.3	(s)	222.3	22.08	17.82	11.85	21.70	16.77	1,501.6	1,158.4	1,030.6	(s)	3,690.6
WY	2,103	2,945	7,321	0	12,368	7.2	10.0	25.0	0.0	42.2	19.04	15.41	9.83	0.00	12.81	136.6	154.8	234.2	0.0	525.6
US	1,192,446	1,159,347	1,064,239	5,382	3,421,414	4,068.6	3,955.7	3,631.2	18.4	11,673.9	24.14	21.52	13.60	24.32	20.04	98,209.4	85,138.0	47,858.8	446.6	231,652.7

Table 42. Nuclear Consumption, Price, and Expenditure Estimates by Sector, 2000. Note: Totals may not equal sum of components due to independent rounding. Source: Energy Information Administration, State Energy Data, 2000.

State	Consumption						Prices			Expenditures		
	Industrial	Electric	Total	Industrial	Electric	Total	Industrial	Electric	Total	Industrial	Electric	Total
	Million	Kilowatthours		Trillion	Btu		Nominal Dollars			Million	Nominal Dollars	
							per Million Btu					
Alabama	0	31,369	31,369	0.0	327.1	327.1	0.00	0.49	0.49	0.0	160.7	160.7
Alaska	0	0	0	0.0	0.0	0.0	0.00	0.00	0.00	0.0	0.0	0.0
Arizona	0	30,381	30,381	0.0	316.8	316.8	0.00	0.43	0.43	0.0	137.2	137.2
Arkansas	0	11,652	11,652	0.0	121.5	121.5	0.00	0.51	0.51	0.0	61.6	61.6
California	0	35,176	35,176	0.0	366.8	366.8	0.00	0.44	0.44	0.0	161.9	161.9
Colorado	0	0	0	0.0	0.0	0.0	0.00	0.00	0.00	0.0	0.0	0.0
Connecticut	0	16,365	16,365	0.0	170.7	170.7	0.00	0.46	0.46	0.0	79.0	79.0
Delaware	0	0	0	0.0	0.0	0.0	0.00	0.00	0.00	0.0	0.0	0.0
Dist. of Col.	0	0	0	0.0	0.0	0.0	0.00	0.00	0.00	0.0	0.0	0.0
Florida	0	32,291	32,291	0.0	336.8	336.8	0.00	0.43	0.43	0.0	145.0	145.0
Georgia	0	32,473	32,473	0.0	338.7	338.7	0.00	0.45	0.45	0.0	150.9	150.9
Hawaii	0	0	0	0.0	0.0	0.0	0.00	0.00	0.00	0.0	0.0	0.0
Idaho	0	0	0	0.0	0.0	0.0	0.00	0.00	0.00	0.0	0.0	0.0
Illinois	6,914	82,524	89,438	72.1	860.6	932.7	0.50	0.45	0.45	35.9	385.4	421.3
Indiana	0	0	0	0.0	0.0	0.0	0.00	0.00	0.00	0.0	0.0	0.0
Iowa	0	4,453	4,453	0.0	46.4	46.4	0.00	0.60	0.60	0.0	27.9	27.9
Kansas	0	9,061	9,061	0.0	94.5	94.5	0.00	0.44	0.44	0.0	41.1	41.1
Kentucky	0	0	0	0.0	0.0	0.0	0.00	0.00	0.00	0.0	0.0	0.0
Louisiana	0	15,796	15,796	0.0	164.7	164.7	0.00	0.61	0.61	0.0	100.1	100.1
Maine	0	0	0	0.0	0.0	0.0	0.00	0.00	0.00	0.0	0.0	0.0
Maryland	7,503	6,324	13,827	78.3	66.0	144.2	0.43	0.43	0.43	33.4	28.1	61.5
Massachusetts	5,512	0	5,512	57.5	0.0	57.5	0.44	0.00	0.44	25.5	0.0	25.5
Michigan	0	18,882	18,882	0.0	196.9	196.9	0.00	0.57	0.57	0.0	111.3	111.3
Minnesota	0	12,960	12,960	0.0	135.2	135.2	0.00	0.44	0.44	0.0	60.1	60.1
Mississippi	0	10,695	10,695	0.0	111.5	111.5	0.00	0.41	0.41	0.0	46.2	46.2
Missouri	0	9,992	9,992	0.0	104.2	104.2	0.00	0.40	0.40	0.0	41.9	41.9
Montana	0	0	0	0.0	0.0	0.0	0.00	0.00	0.00	0.0	0.0	0.0
Nebraska	0	8,629	8,629	0.0	90.0	90.0	0.00	0.60	0.60	0.0	54.1	54.1
Nevada	0	0	0	0.0	0.0	0.0	0.00	0.00	0.00	0.0	0.0	0.0
New Hampshire	0	7,922	7,922	0.0	82.6	82.6	0.00	0.41	0.41	0.0	33.7	33.7
New Jersey	10,407	18,171	28,578	108.5	189.5	298.0	0.56	0.56	0.56	61.0	106.5	167.5
New Mexico	0	0	0	0.0	0.0	0.0	0.00	0.00	0.00	0.0	0.0	0.0
New York	1,620	29,888	31,508	16.9	311.7	328.6	0.53	0.44	0.44	8.9	135.6	144.6
North Carolina	0	39,127	39,127	0.0	408.1	408.1	0.00	0.30	0.30	0.0	121.6	121.6
North Dakota	0	0	0	0.0	0.0	0.0	0.00	0.00	0.00	0.0	0.0	0.0
Ohio	0	16,781	16,781	0.0	175.0	175.0	0.00	0.45	0.45	0.0	79.6	79.6
Oklahoma	0	0	0	0.0	0.0	0.0	0.00	0.00	0.00	0.0	0.0	0.0
Oregon	0	0	0	0.0	0.0	0.0	0.00	0.00	0.00	0.0	0.0	0.0
Pennsylvania	16,504	57,268	73,771	172.1	597.2	769.4	0.55	0.44	0.46	95.4	260.5	355.9
Rhode Island	0	0	0	0.0	0.0	0.0	0.00	0.00	0.00	0.0	0.0	0.0
South Carolina	0	50,888	50,888	0.0	530.7	530.7	0.00	0.41	0.41	0.0	218.7	218.7
South Dakota	0	0	0	0.0	0.0	0.0	0.00	0.00	0.00	0.0	0.0	0.0
Tennessee	0	25,825	25,825	0.0	269.3	269.3	0.00	0.43	0.43	0.0	114.6	114.6
Texas	0	37,556	37,556	0.0	391.7	391.7	0.00	0.44	0.44	0.0	172.2	172.2
Utah	0	0	0	0.0	0.0	0.0	0.00	0.00	0.00	0.0	0.0	0.0
Vermont	0	4,548	4,548	0.0	47.4	47.4	0.00	0.43	0.43	0.0	20.5	20.5
Virginia	0	28,321	28,321	0.0	295.4	295.4	0.00	0.42	0.42	0.0	124.9	124.9
Washington	0	8,605	8,605	0.0	89.7	89.7	0.00	0.46	0.46	0.0	41.2	41.2
West Virginia	0	0	0	0.0	0.0	0.0	0.00	0.00	0.00	0.0	0.0	0.0
Wisconsin	0	11,512	11,512	0.0	120.1	120.1	0.00	0.50	0.50	0.0	59.4	59.4
Wyoming	0	0	0	0.0	0.0	0.0	0.00	0.00	0.00	0.0	0.0	0.0
United States	48,460	705,433	753,893	505.4	7,357.0	7,862.3	0.51	0.45	0.45	260.1	3,281.4	3,541.6

Table 43. Solar and Wind Consumption Estimates by Sector, 2000. Note: Residential solar consumption includes small amounts of solar thermal and photovoltaic energy consumed by the commercial sector that cannot be separately identified. Totals may not equal sum of components due to independent rounding. (s) = Physical unit value less than 0.5 or Btu value less than 0.05. Source: Energy Information Administration, State Energy Data, 2000.

State	Consumption											
	Solar						Wind					
	Indus- trial	Electric Utilities	Residen- tial	Indus- trial	Electric Utilities	Total	Indus- trial	Electric Utilities	Total	Indus- trial	Electric Utilities	Total
	Million Kilowatthours		Trillion Btu				Million Kilowatthours		Trillion Btu			
Alabama	0	0	0.1	0.0	0.0	0.1	0	0	0	0.0	0.0	0.0
Alaska	0	0	(s)	0.0	0.0	(s)	0	0	0	0.0	0.0	0.0
Arizona	0	0	3.6	0.0	0.0	3.6	0	0	0	0.0	0.0	0.0
Arkansas	0	0	0.9	0.0	0.0	0.9	0	0	0	0.0	0.0	0.0
California	491	3	18.3	5.0	(s)	23.3	3,511	7	3,518	35.8	0.1	35.9
Colorado	0	0	0.2	0.0	0.0	0.2	0	0	0	0.0	0.0	0.0
Connecticut	0	0	0.3	0.0	0.0	0.3	0	0	0	0.0	0.0	0.0
Delaware	0	0	(s)	0.0	0.0	(s)	0	0	0	0.0	0.0	0.0
Dist. of Col.	0	0	(s)	0.0	0.0	(s)	0	0	0	0.0	0.0	0.0
Florida	0	0	29.8	0.0	0.0	29.8	0	0	0	0.0	0.0	0.0
Georgia	0	0	0.2	0.0	0.0	0.2	0	0	0	0.0	0.0	0.0
Hawaii	0	0	1.4	0.0	0.0	1.4	14	3	17	0.1	(s)	0.2
Idaho	0	0	(s)	0.0	0.0	(s)	0	0	0	0.0	0.0	0.0
Illinois	0	0	0.2	0.0	0.0	0.2	0	0	0	0.0	0.0	0.0
Indiana	0	0	(s)	0.0	0.0	(s)	0	0	0	0.0	0.0	0.0
Iowa	0	0	(s)	0.0	0.0	(s)	490	4	494	5.0	(s)	5.0
Kansas	0	0	(s)	0.0	0.0	(s)	0	0	0	0.0	0.0	0.0
Kentucky	0	0	(s)	0.0	0.0	(s)	0	0	0	0.0	0.0	0.0
Louisiana	0	0	0.1	0.0	0.0	0.1	0	0	0	0.0	0.0	0.0
Maine	0	0	0.1	0.0	0.0	0.1	0	0	0	0.0	0.0	0.0
Maryland	0	0	(s)	0.0	0.0	(s)	0	0	0	0.0	0.0	0.0
Massachusetts	0	0	0.2	0.0	0.0	0.2	0	0	0	0.0	0.0	0.0
Michigan	0	0	0.3	0.0	0.0	0.3	0	0	0	0.0	0.0	0.0
Minnesota	0	0	0.3	0.0	0.0	0.3	725	0	725	7.4	0.0	7.4
Mississippi	0	0	(s)	0.0	0.0	(s)	0	0	0	0.0	0.0	0.0
Missouri	0	0	0.1	0.0	0.0	0.1	0	0	0	0.0	0.0	0.0
Montana	0	0	(s)	0.0	0.0	(s)	0	0	0	0.0	0.0	0.0
Nebraska	0	0	(s)	0.0	0.0	(s)	0	0	0	0.0	0.0	0.0
Nevada	0	0	0.5	0.0	0.0	0.5	0	0	0	0.0	0.0	0.0
New Hampshire	0	0	(s)	0.0	0.0	(s)	0	0	0	0.0	0.0	0.0
New Jersey	0	0	0.6	0.0	0.0	0.6	0	0	0	0.0	0.0	0.0
New Mexico	0	0	0.5	0.0	0.0	0.5	0	0	0	0.0	0.0	0.0
New York	0	0	0.6	0.0	0.0	0.6	10	0	10	0.1	0.0	0.1
North Carolina	0	0	0.1	0.0	0.0	0.1	0	0	0	0.0	0.0	0.0
North Dakota	0	0	(s)	0.0	0.0	(s)	0	0	0	0.0	0.0	0.0
Ohio	0	0	0.1	0.0	0.0	0.1	0	0	0	0.0	0.0	0.0
Oklahoma	0	0	0.1	0.0	0.0	0.1	0	0	0	0.0	0.0	0.0
Oregon	0	0	0.7	0.0	0.0	0.7	67	0	67	0.7	0.0	0.7
Pennsylvania	0	0	0.5	0.0	0.0	0.5	10	0	10	0.1	0.0	0.1
Rhode Island	0	0	(s)	0.0	0.0	(s)	0	0	0	0.0	0.0	0.0
South Carolina	0	0	(s)	0.0	0.0	(s)	0	0	0	0.0	0.0	0.0
South Dakota	0	0	(s)	0.0	0.0	(s)	0	0	0	0.0	0.0	0.0
Tennessee	0	0	0.1	0.0	0.0	0.1	0	0	0	0.0	0.0	0.0
Texas	0	(s)	0.6	0.0	(s)	0.6	492	0	492	5.0	0.0	5.0
Utah	0	0	(s)	0.0	0.0	(s)	0	0	0	0.0	0.0	0.0
Vermont	0	0	(s)	0.0	0.0	(s)	0	12	12	0.0	0.1	0.1
Virginia	0	0	0.1	0.0	0.0	0.1	0	0	0	0.0	0.0	0.0
Washington	0	0	0.3	0.0	0.0	0.3	0	0	0	0.0	0.0	0.0
West Virginia	0	0	(s)	0.0	0.0	(s)	0	0	0	0.0	0.0	0.0
Wisconsin	0	0	0.2	0.0	0.0	0.2	0	3	3	0.0	(s)	(s)
Wyoming	0	0	(s)	0.0	0.0	(s)	246	0	246	2.5	0.0	2.5
United States	491	3	61.4	5.0	(s)	66.4	5,565	29	5,593	56.8	0.3	57.1

Table 44. Energy Prices and Expenditures Ranked by State, 1999. Includes \$140 million for coal coke net imports, which are not allocated to the States. Source: U.S. Department of Energy, Energy Information Administration, State Energy Price and Expenditure Report 1999, November 2001. Web site: <http://eia.doe.gov/pub/state.prices/pdf/rank.pdf>. Table provided by the KU Policy Research Institute.

Prices			Expenditures			Expenditures Per Person		
Rank	State	Million Dollars	Rank	State	Dollars Per Million Btu	Rank	State	Dollars
1	Dist. of Col.	\$13.23	1	California	\$56,007	1	Wyoming	\$3,861
2	Hawaii	12.34	2	Texas	54,085	2	Alaska	3,294
3	Connecticut	11.62	3	New York	31,999	3	Louisiana	3,073
4	Vermont	11.56	4	Ohio	25,330	4	North Dakota	2,703
5	Arizona	11.23	5	Florida	25,295	5	Texas	2,698
6	New Hampshire	11.05	6	Illinois	23,932	6	Dist. of Col.	2,526
7	Maryland	10.35	7	Pennsylvania	23,152	7	Indiana	2,385
8	Florida	10.27	8	Michigan	19,786	8	Maine	2,384
9	Massachusetts	10.05	9	New Jersey	17,716	9	Arkansas	2,348
10	New York	10.00	10	North Carolina	15,678	10	Montana	2,327
11	Nevada	9.89	11	Georgia	15,524	11	Iowa	2,311
12	North Carolina	9.76	12	Indiana	14,174	12	Alabama	2,306
13	Delaware	9.54	13	Louisiana	13,436	13	Kentucky	2,300
14	California	9.37	14	Virginia	13,248	14	Delaware	2,292
15	New Mexico	8.99	15	Massachusetts	12,022	15	Kansas	2,273
16	South Carolina	8.96	16	Tennessee	11,724	16	Vermont	2,263
17	New Jersey	8.92	17	Missouri	11,344	17	Ohio	2,250
18	Missouri	8.79	18	Washington	10,702	18	Mississippi	2,200
19	Virginia	8.78	19	Wisconsin	10,551	19	New Hampshire	2,190
20	Pennsylvania	8.76	20	Alabama	10,076	20	Nevada	2,187
21	Oregon	8.65	21	Maryland	9,885	21	New Jersey	2,175
22	Tennessee	8.64	22	Minnesota	9,674	22	Connecticut	2,167
23	Colorado	8.63	23	Kentucky	9,110	23	Nebraska	2,144
24	Illinois	8.61	24	Arizona	9,012	24	South Carolina	2,139
25	South Dakota	8.57	25	South Carolina	8,313	25	Tennessee	2,138
26	Maine	8.56	26	Oklahoma	7,160	26	Oklahoma	2,132
27	Ohio	8.54	27	Connecticut	7,111	27	West Virginia	2,078
28	Kansas	8.43	28	Colorado	7,002	28	Missouri	2,074
29	Rhode Island	8.37	29	Iowa	6,631	29	South Dakota	2,074
30	Georgia	8.20	30	Oregon	6,530	30	Idaho	2,055
31	Michigan	8.19	31	Mississippi	6,091	31	North Carolina	2,049
32	Minnesota	8.18	32	Kansas	6,033	32	Minnesota	2,026
33	Wisconsin	8.17	33	Arkansas	5,990	33	Wisconsin	2,009
34	Nebraska	8.05	34	Nevada	3,956	34	Michigan	2,006
35	Mississippi	8.00	35	West Virginia	3,754	35	Rhode Island	1,999
36	Iowa	7.88	36	Utah	3,669	36	Georgia	1,993
37	Oklahoma	7.84	37	Nebraska	3,571	37	New Mexico	1,983
38	Alabama	7.83	38	New Mexico	3,450	38	Illinois	1,973
39	Montana	7.75	39	Maine	2,987	39	Oregon	1,969
40	Idaho	7.64	40	New Hampshire	2,631	40	Massachusetts	1,947
41	West Virginia	7.52	41	Idaho	2,572	41	Pennsylvania	1,930
42	Kentucky	7.48	42	Hawaii	2,144	42	Virginia	1,928
43	Utah	7.44	43	Montana	2,055	43	Maryland	1,911
44	Arkansas	7.42	44	Alaska	2,040	44	Arizona	1,886
45	Washington	7.40	45	Rhode Island	1,981	45	Washington	1,859
46	Indiana	7.14	46	Wyoming	1,852	46	Hawaii	1,809
47	Texas	6.65	47	Delaware	1,727	47	New York	1,758
48	Wyoming	6.54	48	North Dakota	1,713	48	Colorado	1,726
49	North Dakota	6.21	49	South Dakota	1,521	49	Utah	1,723
50	Alaska	5.99	50	Vermont	1,344	50	California	1,690
51	Louisiana	5.77	51	Dist. of Col.	1,311	51	Florida	1,674
	United States	\$8.41		United States	\$558,742		United States	\$2,049

Table 45. Coal and Electricity Prices and Expenditures Ranked by State, 1999. (s) = Value less than 0.5 million dollars. Note: Rankings are based on unrounded data. Source: Combined State Energy Data System 1999. Energy Information Administration, State Energy Price and Expenditure Report 1999. (web site: www.eia.doe.gov/emeu/sep/rank/table4.htm).

Rank	Coal				Electricity			
	Prices		Expenditures		Prices		Expenditures	
	State	Dollars per Million BTU	State	Million Dollars	State	Dollars per Million BTU	State	Million Dollars
1	Rhode Island	3.35	Ohio	1,905	Hawaii	35.21	California	20,360
2	Connecticut	3.33	Texas	1,860	New Hampshire	34.00	Texas	17,976
3	Vermont	2.34	Indiana	1,752	Vermont	30.13	New York	13,868
4	Maine	2.32	Pennsylvania	1,562	New Jersey	29.29	Florida	12,819
5	Alaska	2.13	Alabama	1,284	Connecticut	29.19	Ohio	10,435
6	Massachusetts	1.86	Georgia	1,231	New York	29.16	Illinois	9,182
7	Dist. of Col.	1.84	Illinois	1,212	Alaska	28.71	Pennsylvania	8,590
8	California	1.74	West Virginia	1,194	Maine	28.64	North Carolina	7,412
9	Hawaii	1.73	Michigan	1,126	Massachusetts	26.33	Michigan	7,354
10	Florida	1.59	Florida	1,071	California	25.73	New Jersey	7,034
11	Washington	1.58	North Carolina	1,029	Rhode Island	25.28	Georgia	6,989
12	Georgia	1.56	Kentucky	991	Dist. of Col.	21.85	Virginia	5,435
13	Delaware	1.56	Tennessee	732	Arizona	21.20	Tennessee	5,208
14	Mississippi	1.55	Missouri	647	Michigan	20.92	Indiana	5,070
15	New Hampshire	1.52	South Carolina	591	Delaware	20.86	Louisiana	4,460
16	Alabama	1.50	Virginia	575	Maryland	20.62	Massachusetts	4,439
17	New York	1.50	Arizona	545	Illinois	20.45	Alabama	4,367
18	South Carolina	1.47	Wisconsin	510	Florida	20.06	Missouri	4,186
19	Arkansas	1.46	North Dakota	426	Pennsylvania	19.71	Arizona	4,170
20	New Jersey	1.46	Maryland	417	New Mexico	19.42	Maryland	4,158
21	North Carolina	1.45	Utah	409	North Carolina	18.89	South Carolina	4,085
22	Illinois	1.45	New Mexico	396	Ohio	18.83	Washington	3,925
23	Virginia	1.43	Wyoming	392	South Dakota	18.61	Wisconsin	3,489
24	Louisiana	1.40	Arkansas	391	Georgia	18.32	Minnesota	3,312
25	Ohio	1.38	Minnesota	387	Kansas	18.26	Kentucky	3,268
26	Maryland	1.37	Iowa	381	Texas	17.85	Connecticut	2,968
27	Michigan	1.37	Colorado	352	Missouri	17.77	Oklahoma	2,499
28	Pennsylvania	1.37	Louisiana	318	Colorado	17.49	Mississippi	2,443
29	Arizona	1.35	Kansas	315	Nevada	17.43	Colorado	2,395
30	New Mexico	1.33	Oklahoma	311	Iowa	17.38	Oregon	2,297
31	Nevada	1.30	New York	282	Virginia	17.22	Iowa	2,255
32	Idaho	1.28	Nevada	233	Louisiana	17.17	Arkansas	2,215
33	West Virginia	1.22	Mississippi	214	Minnesota	17.12	Kansas	2,091
34	Texas	1.21	Washington	153	Arkansas	16.79	Nevada	1,532
35	Indiana	1.21	Montana	128	Mississippi	16.68	West Virginia	1,373
36	Tennessee	1.17	Nebraska	113	Tennessee	16.52	Nebraska	1,212
37	Minnesota	1.15	California	111	Alabama	16.39	New Mexico	1,169
38	Kentucky	1.12	New Jersey	99	South Carolina	16.33	Maine	1,167
39	Wisconsin	1.08	Delaware	56	Wisconsin	16.26	New Hampshire	1,147
40	Oregon	1.08	New Hampshire	54	North Dakota	16.13	Hawaii	1,107
41	Utah	1.07	South Dakota	48	Oklahoma	15.78	Utah	1,052
42	South Dakota	1.04	Oregon	42	Nebraska	15.57	Idaho	884
43	North Dakota	1.03	Massachusetts	24	Indiana	15.55	Dist. of Col.	777
44	Colorado	0.99	Alaska	23	West Virginia	14.97	Delaware	745
45	Kansas	0.96	Idaho	10	Utah	14.32	Montana	625
46	Missouri	0.94	Maine	7	Oregon	14.16	Rhode Island	617
47	Oklahoma	0.93	Hawaii	5	Montana	14.11	Vermont	568
48	Iowa	0.92	Vermont	5	Wyoming	12.67	Alaska	515
49	Wyoming	0.79	Connecticut	(s)	Kentucky	12.27	South Dakota	503
50	Montana	0.73	Dist. of Col.	(s)	Washington	11.83	North Dakota	497
51	Nebraska	0.58	Rhode Island	(s)	Idaho	11.40	Wyoming	495
	United States	1.26	United States	25,920	United States	19.37	United States	216,737

Table 46. Petroleum and Natural Gas Prices and Expenditures Ranked by State, 1999. Note: "Based on small quantities of liquefied natural gas. Rankings are based on unrounded data. Source: State Energy Price and Expenditure Data System 1999. Energy Information Administration, State Energy Price and Expenditure Report 1999 (web site: <http://www.eia.doe.gov/emeu/sep/rank/table3.htm>).

Rank	Petroleum				Natural Gas			
	Prices		Expenditures		Prices		Expenditures	
	State	Dollars per Million Btu	State	Million Dollars	State	Dollars per Million Btu	State	Million Dollars
1	Nevada	8.72	Texas	29,927	Hawaii	13.51	California	9,102
2	Vermont	8.59	California	26,691	Dist. of Col.	7.80	Texas	9,070
3	Dist. of Col.	8.54	Florida	12,275	Maryland	6.69	New York	6,910
4	Arizona	8.51	New York	11,766	Connecticut	6.59	Illinois	4,716
5	Oregon	8.50	Ohio	10,279	Massachusetts	6.58	Ohio	4,206
6	Colorado	8.42	Pennsylvania	10,203	New Hampshire	6.29	Pennsylvania	3,990
7	California	8.41	Illinois	9,899	Pennsylvania	6.18	Michigan	3,814
8	Rhode Island	8.38	Michigan	8,483	Maine	5.95	Louisiana	3,140
9	Massachusetts	8.27	New Jersey	7,852	Rhode Island	5.79	New Jersey	2,932
10	Utah	8.22	Georgia	7,162	New York	5.56	Indiana	2,591
11	Idaho	8.16	North Carolina	7,050	Virginia	5.46	Massachusetts	2,321
12	Illinois	8.09	Louisiana	6,569	Missouri	5.31	Florida	1,954
13	Ohio	8.09	Virginia	6,308	North Carolina	5.14	Wisconsin	1,792
14	Wisconsin	8.03	Indiana	6,090	Vermont	5.08	Oklahoma	1,635
15	New Mexico	7.99	Missouri	5,778	Arizona	5.01	Virginia	1,418
16	Pennsylvania	7.92	Washington	5,701	Ohio	4.98	Missouri	1,396
17	West Virginia	7.92	Massachusetts	5,241	West Virginia	4.98	Minnesota	1,367
18	Michigan	7.90	Tennessee	5,207	Wisconsin	4.87	Maryland	1,326
19	Minnesota	7.87	Wisconsin	5,189	Illinois	4.77	Alabama	1,200
20	Connecticut	7.84	Minnesota	4,927	Indiana	4.72	Tennessee	1,186
21	Alabama	7.82	Kentucky	4,877	Iowa	4.71	Georgia	1,170
22	Maryland	7.77	Maryland	4,521	New Jersey	4.69	Colorado	1,123
23	Iowa	7.73	Alabama	4,221	Tennessee	4.67	North Carolina	1,119
24	Wyoming	7.71	Arizona	4,212	South Dakota	4.67	Iowa	1,073
25	Kansas	7.64	Colorado	3,510	Delaware	4.57	Washington	1,015
26	Oklahoma	7.63	Oklahoma	3,464	South Carolina	4.52	Kansas	959
27	Nebraska	7.63	South Carolina	3,429	California	4.51	Arkansas	948
28	South Dakota	7.62	Connecticut	3,414	Oregon	4.39	Oregon	915
29	North Carolina	7.61	Oregon	3,331	Alabama	4.36	Connecticut	885
30	North Dakota	7.59	Iowa	3,220	Montana	4.35	Kentucky	840
31	Tennessee	7.52	Kansas	3,071	Michigan	4.32	Mississippi	834
32	Montana	7.51	Mississippi	3,056	Minnesota	4.28	Arizona	723
33	Arkansas	7.46	Arkansas	2,774	Nevada	4.28	South Carolina	718
34	Virginia	7.44	Utah	2,024	Kentucky	4.28	Nevada	656
35	Missouri	7.42	New Mexico	1,951	Colorado	4.26	Utah	545
36	New Hampshire	7.38	Nevada	1,920	Nebraska	4.11	West Virginia	533
37	South Carolina	7.35	Nebraska	1,876	Kansas	4.09	Rhode Island	497
38	Indiana	7.22	West Virginia	1,714	Arkansas	4.05	Nebraska	487
39	New York	7.21	Maine	1,706	Utah	4.04	New Mexico	406
40	Kentucky	7.20	Idaho	1,386	Idaho	4.02	Idaho	269
41	Washington	6.95	New Hampshire	1,369	Washington	3.91	Delaware	260
42	Delaware	6.93	Alaska	1,357	North Dakota	3.81	Dist. of Col.	255
43	Georgia	6.92	Hawaii	1,242	Wyoming	3.70	Montana	237
44	New Jersey	6.85	Montana	1,178	Florida	3.67	Alaska	235
45	Maine	6.85	Wyoming	1,093	Oklahoma	3.64	Wyoming	216
46	Mississippi	6.76	North Dakota	877	New Mexico	3.62	North Dakota	147
47	Florida	6.46	South Dakota	876	Georgia	3.62	South Dakota	136
48	Hawaii	6.21	Rhode Island	827	Mississippi	3.23	New Hampshire	129
49	Texas	6.03	Delaware	808	Texas	2.74	Vermont	41
50	Alaska	5.96	Vermont	726	Louisiana	2.68	Hawaii	39
51	Louisiana	5.66	Dist. of Col.	287	Alaska	1.88	Maine	37
	United States	7.33	United States	262,912	United States	4.26	United States	83,512

Table 47. Motor Gasoline Prices and Expenditures Ranked by State, 1999. Note: Rankings are based on unrounded data. Source: Combined State Energy Data System 1999. Energy Information Administration, State Energy Price and Expenditure Report 1999 (web site: <http://www.eia.doe.gov/emeu/sep/rank/table2.htm>).

Rank	Prices		Expenditures		Expenditures per Person	
	State	Dollars per Million Btu	State	Million Dollars	State	Dollars
1	Hawaii	11.32	California	18,486	Wyoming	797
2	Oregon	11.08	Texas	11,247	Montana	706
3	Connecticut	10.87	Florida	7,690	South Dakota	676
4	Nevada	10.67	New York	6,666	Vermont	669
5	Washington	10.50	Ohio	6,038	Nevada	663
6	California	10.50	Pennsylvania	5,809	North Dakota	661
7	Dist. of Col.	10.35	Illinois	5,773	Maine	660
8	Montana	10.16	Michigan	5,464	New Hampshire	659
9	Utah	10.13	Georgia	4,464	Idaho	647
10	Rhode Island	10.10	North Carolina	4,452	Oregon	636
11	Alaska	10.06	New Jersey	4,271	Minnesota	634
12	Massachusetts	10.04	Virginia	3,940	New Mexico	634
13	Maryland	9.91	Washington	3,461	Delaware	628
14	Vermont	9.91	Massachusetts	3,320	Connecticut	626
15	Maine	9.82	Indiana	3,309	Kentucky	625
16	Delaware	9.81	Tennessee	3,229	Mississippi	622
17	Idaho	9.78	Missouri	3,202	Alabama	602
18	Colorado	9.72	Minnesota	3,029	Washington	601
19	Minnesota	9.70	Maryland	2,938	Tennessee	589
20	New Hampshire	9.70	Wisconsin	2,938	Colorado	588
21	Arizona	9.66	Arizona	2,762	Missouri	586
22	Ohio	9.58	Alabama	2,630	Arkansas	586
23	New York	9.57	Kentucky	2,474	South Carolina	584
24	Wisconsin	9.56	Colorado	2,384	Iowa	583
25	New Mexico	9.53	Louisiana	2,326	North Carolina	582
26	Pennsylvania	9.49	South Carolina	2,267	Arizona	578
27	West Virginia	9.37	Oregon	2,109	Utah	574
28	Illinois	9.33	Connecticut	2,056	Virginia	573
29	Kentucky	9.32	Oklahoma	1,916	Georgia	573
30	Wyoming	9.31	Mississippi	1,722	Oklahoma	571
31	North Dakota	9.22	Iowa	1,672	Kansas	570
32	South Dakota	9.20	Kansas	1,513	Maryland	568
33	Louisiana	8.98	Arkansas	1,494	Texas	561
34	New Jersey	8.93	Utah	1,222	Wisconsin	560
35	Virginia	8.91	Nevada	1,200	Nebraska	559
36	Tennessee	8.88	New Mexico	1,102	California	558
37	Texas	8.88	West Virginia	952	Indiana	557
38	North Carolina	8.77	Nebraska	931	Michigan	554
39	Indiana	8.75	Maine	827	Alaska	544
40	Alabama	8.75	Idaho	809	Massachusetts	38
41	Nebraska	8.72	New Hampshire	792	Ohio	536
42	Iowa	8.67	Montana	623	Louisiana	532
43	Michigan	8.66	Hawaii	528	West Virginia	527
44	Kansas	8.66	Rhode Island	505	New Jersey	525
45	Missouri	8.63	South Dakota	495	Rhode Island	510
46	Mississippi	8.60	Delaware	473	Florida	509
47	Arkansas	8.51	North Dakota	419	Pennsylvania	484
48	Florida	8.50	Vermont	397	Illinois	476
49	Oklahoma	8.44	Wyoming	382	Hawaii	445
50	South Carolina	8.25	Alaska	337	Dist. of Col.	414
51	Georgia	7.79	Dist. of Col.	215	New York	366
	United States	9.31	United States	149,260	United States	547

Table 48, continued.

County	April 1, 1990	July 1, 1990r	July 1, 1991r	July 1, 1992r	July 1, 1993r	July 1, 1994r	July 1, 1995r	July 1, 1996r	July 1, 1997r	July 1, 1998r	July 1, 1999r	4/1/90- 7/1/99 % Change
Lyon	34,732	34,775	34,748	34,950	35,472	35,465	35,672	35,632	35,513	35,524	35,773	3.0%
McPherson	27,268	27,340	27,321	27,825	28,018	28,478	28,762	28,875	28,973	29,090	29,449	8.0%
Marion	12,888	12,875	12,857	12,902	13,182	13,305	13,550	13,640	13,579	13,461	13,357	3.6%
Marshall	11,705	11,670	11,524	11,389	11,330	11,257	11,312	11,276	11,166	11,034	11,005	-6.0%
Meade	4,247	4,235	4,29	4,297	4,349	4,389	4,476	4,520	4,527	4,583	4,577	7.8%
Miami	23,466	23,577	23,889	24,176	24,364	25,091	25,667	26,332	26,799	27,121	27,875	18.8%
Mitchell	7,203	7,184	7,209	7,222	7,131	7,095	7,121	7,101	7,027	6,986	6,982	-3.1%
Montgomery	38,816	38,758	38,641	37,939	37,785	37,598	37,451	37,146	36,987	36,813	36,506	-6.0%
Morris	6,198	6,203	6,284	6,245	6,236	6,295	6,290	6,252	6,184	6,103	6,096	-1.6%
Morton	3,480	3,482	3,433	3,453	3,420	3,487	3,399	3,440	3,472	3,483	3,537	1.6%
Nemaha	10,446	10,447	10,506	10,525	10,579	10,660	10,675	10,713	10,597	10,653	10,700	2.4%
Neosho	17,035	17,045	17,170	17,109	17,151	17,221	17,204	17,109	17,206	17,112	17,088	0.3%
Ness	4,033	4,006	3,973	3,885	3,816	3,813	3,697	3,583	3,518	3,557	3,485	-13.6%
Norton	5,947	5,923	5,897	5,848	5,869	5,891	5,961	5,996	6,049	6,018	5,940	-0.1%
Osage	15,248	15,253	15,385	15,491	15,713	16,025	16,290	16,372	16,546	16,614	16,590	8.8%
Osborne	4,867	4,858	4,833	4,752	4,707	4,725	4,712	4,681	4,618	4,590	4,493	-7.7%
Ottawa	5,634	5,599	5,582	5,572	5,622	5,703	5,880	5,941	5,991	6,065	6,106	8.4%
Pawnee	7,555	7,527	7,590	7,671	7,764	7,633	7,618	7,442	7,350	7,310	7,267	-3.8%
Phillips	6,590	6,554	6,489	6,455	6,354	6,376	6,300	6,206	6,141	6,103	6,046	-8.3%
Pottawatomie	16,128	16,131	16,290	16,710	16,849	17,019	17,084	17,385	17,626	17,872	18,041	11.9%
Pratt	9,702	9,671	9,630	9,659	9,581	9,643	9,803	9,763	9,769	9,810	9,650	-0.5%
Rawlins	3,404	3,383	3,352	3,296	3,303	3,259	3,204	3,210	3,176	3,093	2,983	-12.4%
Reno	62,389	62,400	62,457	62,520	62,900	62,910	63,458	63,826	64,041	64,424	64,920	4.1%
Republic	6,482	6,466	6,389	6,246	6,187	6,179	6,140	6,133	6,059	6,011	5,900	-9.0%
Rice	10,610	10,567	10,514	10,494	10,626	10,578	10,731	10,765	10,916	10,934	10,788	1.7%
Riley	67,139	67,212	65,021	68,064	67,442	68,463	68,664	65,477	64,018	63,212	62,920	-6.3%
Rooks	6,039	6,002	6,023	6,013	5,951	5,987	5,884	5,883	5,769	5,749	5,708	-5.5%
Rush	3,842	3,834	3,845	3,819	3,747	3,682	3,690	3,671	3,611	3,611	3,593	-6.5%
Russell	7,835	7,787	7,767	7,652	7,668	7,641	7,675	7,656	7,626	7,502	7,427	-5.2%
Saline	49,301	49,413	50,245	50,984	51,748	52,240	52,892	53,140	53,168	53,182	53,485	8.5%
Scott	5,289	5,273	5,259	5,330	5,261	5,246	5,169	5,183	5,137	5,176	5,139	-2.8%
Sedgwick	403,662	404,613	411,162	419,696	424,543	426,812	428,629	432,773	439,254	447,971	451,808	11.9%
Seward	18,743	18,725	18,920	19,227	19,837	20,262	20,737	21,241	21,694	21,987	22,206	18.5%
Shawnee	160,976	161,304	163,029	164,229	165,722	167,162	167,734	168,236	168,547	169,356	169,499	5.3%
Sheridan	3,043	3,055	3,024	3,020	2,923	2,871	2,867	2,863	2,863	2,861	2,836	-6.8%
Sherman	6,926	6,929	6,841	6,844	6,912	6,974	6,895	6,865	6,782	6,781	6,790	-2.0%
Smith	5,078	5,045	4,969	4,889	4,857	4,808	4,795	4,757	4,621	4,587	4,584	-9.7%
Stafford	5,365	5,317	5,181	5,096	5,151	5,178	5,114	5,053	4,972	4,927	4,865	-9.3%
Stanton	2,333	2,334	2,402	2,338	2,299	2,376	2,394	2,408	2,439	2,400	2,400	2.9%
Stevens	5,048	5,060	5,092	5,187	5,234	5,220	5,254	5,331	5,363	5,439	5,423	7.4%
Sumner	25,841	25,845	25,883	25,907	25,973	25,951	25,900	26,019	26,041	26,183	25,974	0.5%
Thomas	8,258	8,283	8,375	8,374	8,302	8,442	8,465	8,473	8,342	8,230	8,177	-1.0%
Trego	3,694	3,683	3,618	3,573	3,570	3,553	3,549	3,522	3,442	3,411	3,400	-8.0%
Wabaunsee	6,603	6,581	6,491	6,499	6,622	6,721	6,779	6,839	6,897	6,855	6,864	4.0%
Wallace	1,821	1,813	1,841	1,823	1,825	1,811	1,799	1,798	1,804	1,801	1,787	-1.9%
Washington	7,073	7,042	6,945	6,835	6,808	6,801	6,809	6,713	6,651	6,533	6,505	-8.0%
Wichita	2,758	2,739	2,692	2,710	2,739	2,787	2,748	2,678	2,664	2,598	2,533	-8.2%
Wilson	10,289	10,247	10,066	10,138	10,259	10,314	10,394	10,418	10,397	10,380	10,406	1.1%
Woodson	4,116	4,122	4,048	4,026	4,034	4,010	4,015	3,958	3,942	3,903	3,868	-6.0%
Wyandotte	162,026	161,973	161,073	160,260	159,449	158,308	157,887	157,650	157,858	158,228	157,980	-2.5%
Kansas	2,477,588	2,481,349	2,498,722	2,532,394	2,556,547	2,580,513	2,601,007	2,614,554	2,365,292	2,660,598	2,678,338	8.1%

Table 48. Population of Kansas Counties, 1990–1999, and Percent Change. April 2002 Revisions. Source: U.S. Census Bureau, Population Division, Web site (www.pop@census.gov), Table CO-EST2001-12-17. Table provided by the KU Policy Research Institute.

County	April 1, 1990	July 1, 1990r	July 1, 1991r	July 1, 1992r	July 1, 1993r	July 1, 1994r	July 1, 1995r	July 1, 1996r	July 1, 1997r	July 1, 1998r	July 1, 1999r	4/1/90-7/1/99 % Change
Allen	14,638	14,640	14,645	14,697	14,693	14,721	14,667	14,677	14,500	14,551	14,444	-1.3%
Anderson	7,803	7,778	7,756	7,863	7,851	7,831	7,970	7,985	8,047	8,040	8,144	4.4%
Atchison	16,932	16,904	16,825	16,838	16,936	16,780	16,775	16,786	16,774	16,797	16,823	-0.6%
Barber	5,874	5,866	5,764	5,687	5,653	5,642	5,616	5,511	5,450	5,407	5,331	-9.2%
Barton	29,382	29,270	29,344	29,586	29,436	29,363	29,132	28,915	28,950	28,790	28,501	-3.0%
Bourbon	14,966	14,948	14,907	14,905	15,013	15,016	15,157	15,380	15,529	15,488	15,316	2.3%
Brown	11,128	11,132	11,110	11,044	10,933	10,980	10,971	10,901	10,970	10,950	10,802	-2.9%
Butler	50,580	50,672	51,385	52,672	53,689	54,718	56,298	57,337	58,038	58,724	59,186	17.0%
Chase	3,021	2,997	2,941	2,950	2,982	2,997	3,025	2,991	3,024	3,066	3,003	-0.6%
Chautauqua	4,407	4,384	4,334	4,369	4,373	4,355	4,407	4,408	4,434	4,395	4,366	-0.9%
Cherokee	21,374	21,316	21,480	21,682	21,909	22,117	22,503	22,667	22,810	22,740	22,678	6.1%
Cheyenne	3,243	3,226	3,247	3,212	3,181	3,211	3,160	3,214	3,181	3,130	3,214	-0.9%
Clark	2,418	2,420	2,376	2,398	2,399	2,461	2,424	2,425	2,466	2,403	2,413	-0.2%
Clay	9,158	9,126	9,040	9,222	9,147	9,125	9,156	9,164	9,005	8,905	8,829	-3.6%
Cloud	11,023	10,994	10,888	10,806	10,840	10,735	10,643	10,505	10,494	10,398	10,375	-5.9%
Coffey	8,404	8,408	8,428	8,616	8,697	8,740	8,812	8,808	8,841	8,762	8,839	5.2%
Comanche	2,313	2,297	2,253	2,206	2,181	2,155	2,116	2,107	2,043	2,041	2,008	-13.2%
Cowley	36,915	36,933	36,607	36,854	36,985	37,085	37,233	37,290	37,097	36,678	36,443	-1.3%
Crawford	35,582	35,578	35,857	36,328	36,907	37,314	37,944	37,967	37,937	37,971	38,195	7.3%
Decatur	4,021	4,011	3,925	3,855	3,739	3,667	3,624	3,619	3,629	3,570	3,504	-12.9%
Dickinson	18,958	18,928	18,825	19,212	19,305	19,485	19,565	19,641	19,532	19,314	19,323	1.9%
Doniphan	8,134	8,123	8,058	8,120	8,032	7,822	7,782	7,808	8,006	8,068	8,201	0.8%
Douglas	81,798	82,229	83,683	85,379	87,926	89,683	91,408	93,381	95,706	97,566	99,490	21.6%
Edwards	3,787	3,785	3,722	3,677	3,653	3,643	3,652	3,585	3,558	3,480	3,498	-7.6%
Elk	3,327	3,324	3,202	3,200	3,283	3,277	3,278	3,321	3,330	3,344	3,333	0.2%
Ellis	26,004	25,983	26,058	26,288	26,553	26,841	27,139	27,192	27,673	27,777	27,641	6.3%
Ellsworth	6,586	6,584	6,652	6,580	6,606	6,573	6,546	6,544	6,537	6,525	6,487	-1.5%
Finney	33,070	33,200	33,900	34,725	35,328	35,851	36,460	37,038	37,841	38,833	39,863	20.5%
Ford	27,463	27,505	27,835	28,413	28,599	29,653	30,282	30,750	30,917	31,580	31,992	16.5%
Franklin	21,994	22,046	22,155	22,404	22,970	23,231	23,505	23,936	24,156	24,416	24,626	12.0%
Gearly	30,453	30,558	29,853	33,850	32,295	32,781	31,796	28,424	27,699	28,203	28,162	-7.5%
Gove	3,231	3,239	3,199	3,184	3,164	3,194	3,166	3,133	3,150	3,113	3,091	-4.3%
Graham	3,543	3,518	3,487	3,406	3,311	3,265	3,224	3,212	3,145	3,092	3,001	-15.3%
Grant	7,159	7,177	7,215	7,412	7,532	7,653	7,781	7,748	7,925	8,091	7,968	11.3%
Gray	5,396	5,398	5,396	5,444	5,414	5,472	5,547	5,654	5,669	5,781	5,844	8.3%
Greeley	1,774	1,763	1,714	1,657	1,668	1,669	1,693	1,643	1,629	1,587	1,539	-13.2%
Greenwood	7,847	7,832	7,852	7,855	7,869	7,849	7,821	7,898	7,805	7,845	7,702	-1.8%
Hamilton	2,388	2,389	2,362	2,393	2,400	2,398	2,468	2,466	2,526	2,659	2,672	11.9%
Harper	7,124	7,105	7,052	6,864	6,797	6,742	6,716	6,653	6,677	6,630	6,589	-7.5%
Harvey	31,028	31,034	31,129	31,452	32,059	32,316	32,574	32,852	32,980	33,036	32,981	6.3%
Haskell	3,886	3,880	3,932	3,970	4,012	4,048	4,051	4,066	4,188	4,155	4,257	9.5%
Hodgeman	2,177	2,169	2,199	2,141	2,105	2,157	2,165	2,143	2,124	2,095	2,096	-3.7%
Jackson	11,525	11,519	11,568	11,553	11,708	11,845	11,980	12,246	12,325	12,457	12,528	8.7%
Jefferson	15,905	15,941	16,006	16,242	16,487	16,840	17,253	17,553	18,001	18,273	18,291	15.0%
Jewell	4,251	4,233	4,124	4,070	4,003	3,961	4,016	4,034	3,990	3,935	3,842	-9.6%
Johnson	355,021	357,309	365,507	374,801	385,022	395,003	403,202	411,635	421,504	432,723	443,434	24.9%
Kearny	4,027	4,015	4,026	4,090	4,166	4,313	4,366	4,435	4,470	4,465	4,521	12.3%
Kingman	8,292	8,301	8,309	8,254	8,381	8,432	8,472	8,492	8,549	8,555	8,631	4.1%
Kiowa	3,660	3,634	3,566	3,607	3,623	3,611	3,589	3,552	3,460	3,421	3,355	-8.3%
Labette	23,693	23,618	23,637	23,636	23,425	23,363	23,302	23,232	23,192	23,103	23,027	-2.8%
Lane	2,375	2,359	2,329	2,302	2,306	2,317	2,277	2,220	2,189	2,251	2,180	-8.2%
Leavenworth	64,371	64,610	65,851	66,077	66,635	67,173	67,511	67,774	68,076	68,301	68,368	6.2%
Lincoln	3,653	3,636	3,562	3,544	3,545	3,558	3,579	3,540	3,555	3,544	3,580	-2.0%
Linn	8,254	8,258	8,394	8,457	8,502	8,602	8,798	9,006	9,146	9,266	9,442	14.4%
Logan	3,081	3,087	3,084	3,181	3,135	3,164	3,215	3,146	3,111	3,081	3,038	-1.4%

Table 49. Projections of the Population of Kansas by Age and Gender, 2000–2025, Selected Years. The population projections have been rounded to the nearest thousand without being adjusted to group totals, which are independently rounded. Source: Campbell, Paul R., Population Projections for States by Age, Sex, Race, and Hispanic Origin: 1995 to 2025, Washington, D.C.: U.S. Bureau of the Census, October 1996, PPL 47. Table provided by the KU Policy Research Institute.

	July 1, 2000	July 1, 2005	July 1, 2010	July 1, 2015	July 1, 2020	July 1, 2025
	(in thousands)*					
All Ages	2,668	2,761	2,849	2,939	3,026	3,108
Females	1,354	1,399	1,441	1,485	1,527	1,567
Age 0-4	183	187	195	201	203	203
Females	89	91	95	96	99	99
Age 5-9	190	189	191	199	205	208
Females	93	92	93	97	100	101
Age 10-14	201	200	196	198	206	213
Females	96	97	95	97	100	104
Age 15-19	208	209	208	203	204	211
Females	101	101	101	99	99	103
Age 20-24	185	202	203	202	197	197
Females	91	99	99	99	96	97
Age 25-34	347	350	372	389	392	386
Females	172	174	185	193	195	192
Age 35-44	420	389	357	356	377	394
Females	208	194	178	178	188	197
Age 45-54	363	395	403	372	340	337
Females	177	197	202	187	171	170
Age 55-64	222	274	333	373	382	353
Females	115	141	170	189	193	179
Age 65-74	179	179	199	248	302	339
Females	97	96	106	130	156	174
Age 75-84	128	131	130	133	152	193
Females	77	77	74	75	84	104
Age 85 and over	52	56	62	66	68	73
Females	37	39	43	45	45	48
Age 18 and over	1,970	2,061	2,145	2,221	2,290	2,357
Females	1,014	1,058	1,099	1,135	1,169	1,202