

Table 8. Residential Energy Consumption Estimates, Selected Years, 1960-2000, Texas

Year	Coal ^a	Natural Gas ^b	Petroleum				Wood ^a	Geothermal	Solar ^d	Electricity ^a	Electrical System Energy Losses ^e	Total	
			Distillate Fuel ^a	Kerosene ^a	LPG ^{a,c}	Total							
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels				Thousand Cords	Geothermal	Solar ^d	Million Kilowatthours	Net Energy	Million Kilowatthours	
1960	R 10	172	96	6	10,083	10,185	705	—	—	11,316	—	28,146	
1965	R 3	183	71	7	13,052	13,131	469	—	—	18,745	—	44,755	
1970	1	232	134	33	15,397	15,565	322	—	—	32,591	—	78,980	
1975	0	232	270	39	11,419	11,728	378	—	—	40,892	—	98,636	
1980	(s)	225	8	198	6,131	6,337	2,008	—	—	57,178	—	139,037	
1985	R 1	213	39	112	7,262	7,414	1,188	—	—	71,740	—	R 167,881	
1990	R 2	211	3	26	6,133	6,162	746	—	—	82,548	—	R 180,075	
1991	R 2	222	3	34	4,040	4,078	786	—	—	84,088	—	R 181,396	
1992	R 2	215	2	23	3,448	3,473	827	—	—	81,934	—	R 173,627	
1993	R 1	232	3	30	3,674	3,707	725	—	—	87,686	—	R 184,226	
1994	(s)	213	6	20	3,627	3,653	711	—	—	89,793	—	R 186,098	
1995	0	206	5	22	3,319	3,346	789	—	—	92,831	—	R 192,625	
1996	0	229	(s)	38	2,312	2,351	787	—	—	99,656	—	R 206,918	
1997	(s)	235	(s)	45	3,503	3,548	543	—	—	101,094	—	R 209,009	
1998	R 2	199	(s)	31	4,552	4,583	R 492	—	—	110,434	—	R 226,745	
1999	R 1	176	2	31	9,091	9,125	R 526	—	—	108,591	—	R 211,178	
2000	1	193	3	31	10,755	10,789	550	—	—	116,895	—	200,423	
Trillion Btu													
1960	R 0.2	177.7	0.6	(s)	40.4	41.0	14.1	0.0	0.0	38.6	R 271.6	96.0	367.6
1965	R 0.1	189.3	0.4	(s)	52.4	52.8	9.4	0.0	0.0	64.0	315.5	152.7	468.2
1970	(s)	238.5	0.8	0.2	58.2	59.2	6.4	0.0	0.0	111.2	415.3	269.5	684.7
1975	0.0	239.2	1.6	0.2	42.4	44.2	7.6	0.0	0.0	139.5	430.5	336.5	767.1
1980	(s)	231.7	(s)	1.1	22.5	23.7	40.2	0.0	0.0	195.1	490.7	474.4	965.1
1985	(s)	221.0	0.2	0.6	26.2	27.0	23.8	0.0	0.0	244.8	516.6	R 572.8	R 1,089.4
1990	(s)	219.5	(s)	0.1	22.2	22.4	14.9	f 0.2	f 0.4	281.7	f 539.1	R 614.4	R 1,153.5
1991	(s)	231.0	(s)	0.2	14.6	14.8	15.7	0.2	0.4	286.9	549.2	R 618.9	R 1,168.1
1992	(s)	225.3	(s)	0.1	12.5	12.6	16.5	0.2	0.4	279.6	R 534.7	R 592.4	R 1,127.2
1993	(s)	238.5	(s)	0.2	13.2	13.4	14.5	0.2	0.4	299.2	566.3	R 628.6	R 1,194.9
1994	(s)	222.5	(s)	0.1	13.2	13.3	14.2	0.2	0.5	306.4	557.1	R 635.0	R 1,192.1
1995	0.0	215.2	(s)	0.1	12.0	12.2	15.8	0.2	0.5	316.7	560.6	R 657.2	R 1,217.8
1996	0.0	237.7	(s)	0.2	8.4	8.6	15.7	0.3	0.5	340.0	602.8	R 706.0	R 1,308.8
1997	(s)	242.0	(s)	0.3	12.7	12.9	10.9	0.3	0.5	344.9	611.5	R 713.1	R 1,324.6
1998	(s)	209.1	(s)	0.2	16.5	16.6	R 9.8	0.3	0.6	376.8	R 613.3	R 773.7	R 1,387.0
1999	(s)	182.4	(s)	0.2	32.9	33.1	R 10.5	0.3	0.6	370.5	R 597.5	R 720.5	R 1,318.1
2000	(s)	199.5	(s)	0.2	38.8	39.0	11.0	0.3	0.6	398.8	649.3	683.8	1,333.2

^a The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

^b Includes supplemental gaseous fuels.

^c Liquefied petroleum gases.

^d Includes small amounts of solar thermal and photovoltaic energy consumed by the commercial sector that cannot be separately identified. See Section 5 of the the Technical Notes for an explanation of estimation methodology.

^e Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for

electrical system energy losses.

^f There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.

R=Revised data.

—=Not applicable.

(s)=Btu value less than 0.05 and physical unit value less than 0.5.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

Table 9. Commercial Energy Consumption Estimates, Selected Years, 1960-2000, Texas

Year	Coal ^a	Natural Gas ^b	Petroleum						Wood ^a	Electricity ^a	Electrical System Energy Losses ^d	Total ^e		
			Distillate Fuel ^a	Kerosene ^a	LPG ^{a,c}	Motor Gasoline	Residual Fuel ^a	Total						
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels						Thousand Cords	Geothermal	Million Kilowatthours	Net Energy	Million Kilowatthours	
1960	R 7	60	595	656	1,779	663	191	3,884	13	—	9,801	—	24,378	—
1965	R 3	81	440	788	2,303	711	64	4,307	9	—	14,804	—	35,346	—
1970	1	146	830	3,603	2,717	692	78	7,920	6	—	22,869	—	55,420	—
1975	0	117	1,669	4,192	2,015	687	677	9,240	7	—	33,884	—	81,733	—
1980	1	169	2,842	3,251	1,082	3,299	2,569	13,043	48	—	44,062	—	107,144	—
1985	R 6	152	9,582	250	1,282	1,954	252	13,320	32	—	60,150	—	R 140,759	—
1990	R 9	172	3,274	25	1,082	2,294	72	6,746	R 50	—	70,781	—	R 154,406	—
1991	R 9	181	2,950	12	713	1,623	217	5,516	R 53	—	72,141	—	R 155,624	—
1992	R 8	185	3,104	68	609	1,446	16	5,242	R 56	—	72,076	—	R 152,738	—
1993	R 5	176	2,343	25	648	159	0	3,174	R 61	—	75,466	—	R 158,552	—
1994	(s)	180	2,524	29	640	160	1	3,355	R 61	—	78,058	—	R 161,777	—
1995	0	210	2,207	46	586	164	(s)	3,003	R 61	—	80,354	—	R 166,735	—
1996	0	179	2,352	38	408	163	0	2,961	R 67	—	83,477	—	R 173,326	—
1997	(s)	216	1,720	38	618	163	0	2,539	R 62	—	85,162	—	R 176,070	—
1998	R 13	170	2,110	52	803	163	0	3,129	R 61	—	91,548	—	R 187,968	—
1999	R 7	172	2,803	57	1,604	165	0	4,629	R 66	—	93,492	—	R 181,814	—
2000	11	186	6,090	49	1,898	167	0	8,204	67	—	99,748	—	171,024	—
Trillion Btu														
1960	R 0.1	61.8	3.5	3.7	7.1	3.5	1.2	19.0	0.3	0.0	33.4	R 114.6	83.2	R 197.8
1965	(s)	83.6	2.6	4.5	9.2	3.7	0.4	20.4	0.2	0.0	50.5	R 154.7	120.6	R 275.3
1970	(s)	150.0	4.8	20.4	10.3	3.6	0.5	39.7	0.1	0.0	78.0	267.9	189.1	456.9
1975	0.0	120.2	9.7	23.8	7.5	3.6	4.3	48.8	0.1	0.0	115.6	284.8	278.9	563.7
1980	(s)	173.7	16.6	18.4	4.0	17.3	16.2	72.4	1.0	0.0	150.3	397.5	365.6	763.0
1985	0.1	157.7	55.8	1.4	4.6	10.3	1.6	73.7	0.6	0.0	205.2	437.4	R 480.3	R 917.7
1990	0.2	179.6	19.1	0.1	3.9	12.0	0.5	35.6	R 1.0	f (s)	241.5	f 457.9	R 526.8	f 984.8
1991	0.2	188.2	17.2	0.1	2.6	8.5	1.4	29.7	R 1.1	0.1	246.1	R 465.4	R 531.0	R 996.4
1992	R 0.2	193.8	18.1	0.4	2.2	7.6	0.1	28.4	1.1	0.1	245.9	R 469.5	R 521.1	R 990.6
1993	0.1	181.1	13.6	0.1	2.3	0.8	0.0	17.0	1.2	0.1	257.5	R 456.9	R 541.0	R 997.9
1994	(s)	187.9	14.7	0.2	2.3	0.8	(s)	18.0	1.2	0.1	266.3	473.6	R 552.0	R 1,025.6
1995	0.0	218.5	12.9	0.3	2.1	0.9	(s)	16.1	1.2	0.1	274.2	R 510.1	R 568.9	R 1,079.0
1996	0.0	185.1	13.7	0.2	1.5	0.9	0.0	16.2	1.3	0.2	284.8	487.6	R 591.4	R 1,079.0
1997	(s)	222.8	10.0	0.2	2.2	0.8	0.0	13.3	1.2	0.2	290.6	R 528.1	R 600.8	R 1,128.8
1998	R 0.3	177.8	12.3	0.3	2.9	0.9	0.0	16.3	R 1.3	0.2	312.4	R 508.3	R 641.3	R 1,149.7
1999	R 0.2	178.1	16.3	0.3	5.8	0.9	0.0	23.3	R 1.3	0.2	319.0	R 522.1	R 620.3	R 1,142.5
2000	0.2	191.9	35.5	0.3	6.8	0.9	0.0	43.5	1.3	0.2	340.3	577.5	583.5	1,161.0

^a The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

^b Includes supplemental gaseous fuels.

^c Liquefied petroleum gases.

^d Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

^e Small amounts of solar thermal and photovoltaic energy consumed in the commercial sector cannot be separately identified and are included in residential consumption.

^f There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.

R=Revised data.

—=Not applicable.

(s)=Btu value less than 0.05 and physical unit value less than 0.5.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

Table 11. Transportation Energy Consumption Estimates, Selected Years, 1960-2000, Texas

Year	Coal ^a	Natural Gas ^b	Petroleum							Ethanol ^d	Electricity ^a	Electrical System Energy Losses ^e	Total ^d		
			Aviation Gasoline ^a	Distillate Fuel ^a	Jet Fuel ^a	LPG ^{a,c}	Lubricants ^a	Motor Gasoline	Residual Fuel ^a						
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels							Thousand Barrels	Million Kilowatthours	Net Energy	Million Kilowatthours		
1960	18	52	3,261	13,571	10,842	2,024	1,780	87,381	17,736	136,595	0	8	—	20	
1965	4	68	3,457	15,810	15,365	4,588	1,814	104,577	12,346	157,957	0	4	—	10	
1970	2	96	2,007	22,454	24,430	5,587	1,623	139,292	11,667	207,059	0	0	—	0	
1975	1	82	1,312	37,391	27,308	4,969	1,738	173,854	25,049	271,622	0	0	—	0	
1980	0	105	1,264	48,286	30,934	649	1,909	177,228	45,812	306,082	0	0	—	0	
1985	0	92	1,317	56,398	74,500	609	1,738	198,761	21,610	354,933	f 807	0	—	0	
1990	0	106	838	52,471	95,903	479	1,955	198,773	26,227	376,646	584	0	—	0	
1991	0	82	655	58,273	90,674	345	1,749	192,539	27,179	371,414	582	0	—	0	
1992	0	81	783	63,829	90,029	310	1,783	194,901	29,922	381,557	658	0	—	0	
1993	0	82	693	66,848	86,961	348	1,816	203,844	20,088	380,598	150	(s)	—	(s)	
1994	0	96	773	67,876	83,397	614	1,898	214,861	19,178	388,597	371	0	—	0	
1995	0	82	645	63,563	83,002	322	1,865	209,319	20,335	379,053	1,215	0	—	0	
1996	0	76	625	69,386	99,870	274	1,810	222,177	18,169	412,311	452	8	—	16	
1997	0	82	658	69,076	105,610	246	1,912	220,599	20,640	418,741	1,069	19	—	R 38	
1998	0	66	555	74,226	108,536	735	2,002	231,655	26,200	443,907	1,583	21	—	43	
1999	0	70	796	82,263	104,896	365	2,023	240,326	20,976	451,645	1,364	19	—	38	
2000	0	57	609	87,118	102,717	234	1,992	247,076	25,246	464,991	1,563	30	—	52	
Trillion Btu															
1960	0.3	54.1	16.5	79.1	58.6	8.1	10.8	459.0	111.5	743.5	0.0	(s)	R 797.9	0.1	798.0
1965	0.1	70.0	17.5	92.1	84.3	18.4	11.0	549.3	77.6	850.3	0.0	(s)	920.4	(s)	920.4
1970	(s)	98.8	10.1	130.8	135.9	21.1	9.8	731.7	73.3	1,112.9	0.0	0.0	1,211.7	0.0	1,211.7
1975	(s)	84.6	6.6	217.8	152.7	18.5	10.5	913.3	157.5	1,476.8	0.0	0.0	1,561.4	0.0	1,561.4
1980	0.0	108.1	6.4	281.3	173.3	2.4	11.6	931.0	288.0	1,693.9	0.0	0.0	1,801.9	0.0	1,801.9
1985	0.0	95.6	6.6	328.5	420.5	2.2	10.5	1,044.1	135.9	1,948.4	f 2.9	0.0	f 2,044.0	0.0	f 2,044.0
1990	0.0	110.5	4.2	305.6	542.1	1.7	11.9	1,044.2	164.9	2,074.6	2.1	0.0	2,185.2	0.0	2,185.2
1991	0.0	85.2	3.3	339.4	512.8	1.2	10.6	1,011.4	170.9	2,049.7	2.1	0.0	2,134.9	0.0	2,134.9
1992	0.0	84.9	4.0	371.8	509.1	1.1	10.8	1,023.8	188.1	2,108.7	2.3	0.0	2,193.6	0.0	2,193.6
1993	0.0	84.6	3.5	389.4	492.0	1.3	11.0	1,070.8	126.3	2,094.3	0.5	(s)	2,178.9	(s)	2,178.9
1994	0.0	99.8	3.9	395.4	472.5	2.2	11.5	1,123.7	120.6	2,129.8	1.3	0.0	2,229.6	0.0	2,229.6
1995	0.0	85.4	3.3	370.3	470.5	1.2	11.3	1,091.6	127.8	2,075.9	4.3	0.0	2,161.3	0.0	2,161.3
1996	0.0	78.4	3.2	404.2	566.2	1.0	11.0	1,158.9	114.2	2,258.6	1.6	(s)	2,337.0	0.1	2,337.1
1997	0.0	84.6	3.3	402.4	598.8	0.9	11.6	1,150.0	129.8	2,296.7	3.8	0.1	2,381.4	0.1	2,381.5
1998	0.0	69.0	2.8	432.4	615.4	2.7	12.1	1,207.4	164.7	2,437.5	5.6	0.1	2,506.5	0.1	2,506.7
1999	0.0	73.0	4.0	479.2	594.8	1.3	12.3	1,252.3	131.9	2,475.8	4.8	0.1	2,548.8	0.1	2,549.0
2000	0.0	59.2	3.1	507.5	582.4	0.8	12.1	1,287.3	158.7	2,551.9	5.5	0.1	2,611.2	0.2	2,611.4

^a The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

^b Includes supplemental gaseous fuels. Transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and, since 1990, is also gas consumed as vehicle fuel.

^c Liquefied petroleum gases.

^d Ethanol blended into motor gasoline, which is accounted for under motor gasoline, is shown separately here to display the use of renewable energy by the transportation sector and is included only once in the total.

^e Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for

electrical system energy losses.

^f There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of renewable energy sources beginning in 1981.

R=Revised data.

—=Not applicable.

(s)=Btu value less than 0.05 and physical unit value less than 0.5.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

Table 12. Estimates of Energy Input at Electric Utilities, Selected Years, 1960-2000, Texas

Year	Coal	Natural Gas ^a	Petroleum				Nuclear Electric Power	Hydroelectric Power ^e	Wood and Waste	Geothermal Energy	Other ^{b,f}	Total ^g
			Residual Fuel ^{b,c}	Distillate Fuel ^{b,d}	Petroleum Coke ^b	Total						
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels				Million Kilowatthours					
1960	0	407	43	18	0	61	0	927	0	0	0	—
1965	0	640	33	14	0	47	0	661	87	0	0	—
1970	0	1,062	104	45	0	149	0	883	97	0	0	—
1975	9,044	1,353	1,740	75	0	1,815	0	1,579	89	0	0	—
1980	45,351	1,430	660	1,126	0	1,786	0	398	79	0	0	—
1985	71,818	1,198	881	775	0	1,657	0	1,397	300	0	0	—
1990	87,248	1,007	254	701	0	954	15,859	1,794	279	0	(s)	—
1991	87,856	1,005	104	348	0	452	19,800	2,225	276	0	(s)	—
1992	87,333	968	177	296	0	473	24,496	3,325	281	0	(s)	—
1993	92,135	1,073	328	239	319	885	12,407	1,786	295	0	(s)	—
1994	88,479	1,049	343	220	2	565	28,745	1,530	303	0	(s)	—
1995	88,358	1,047	62	331	0	393	36,151	1,703	0	0	(s)	—
1996	94,190	1,039	335	672	0	1,006	35,767	954	0	0	(s)	—
1997	96,537	1,057	24	325	0	349	37,358	2,112	0	0	(s)	—
1998	94,661	1,243	11	259	0	271	38,685	1,905	0	0	(s)	—
1999	97,746	1,207	10	278	0	288	36,760	1,245	0	0	(s)	—
2000	97,077	1,245	401	1,892	0	2,294	37,556	1,181	0	0	(s)	—
Trillion Btu												
1960	0.0	421.6	0.3	0.1	0.0	0.4	0.0	10.0	0.0	0.0	0.0	431.9
1965	0.0	663.2	0.2	0.1	0.0	0.3	0.0	6.9	0.9	0.0	0.0	671.3
1970	0.0	1,090.3	0.7	0.3	0.0	0.9	0.0	9.3	1.0	0.0	0.0	1,101.5
1975	118.5	1,379.0	10.9	0.4	0.0	11.4	0.0	16.4	0.9	0.0	0.0	1,526.3
1980	670.8	1,482.9	4.2	6.6	0.0	10.7	0.0	4.1	0.8	0.0	0.0	2,169.4
1985	1,063.4	1,240.7	5.5	4.5	0.0	10.1	0.0	14.6	3.1	0.0	0.0	2,331.9
1990	1,272.2	1,042.6	1.6	4.1	0.0	5.7	R 167.8	18.7	2.9	0.0	(s)	R 2,509.2
1991	1,269.6	1,035.2	0.7	2.0	0.0	2.7	R 207.6	23.2	2.9	0.0	(s)	R 2,536.5
1992	1,263.5	993.3	1.1	1.7	0.0	2.8	R 256.5	34.4	2.9	0.0	(s)	R 2,536.5
1993	1,342.2	1,100.4	2.1	1.4	1.9	5.4	R 130.3	18.4	3.0	0.0	(s)	R 2,591.5
1994	1,299.9	1,073.3	2.2	1.3	(s)	3.5	R 300.4	15.8	3.1	0.0	(s)	R 2,686.1
1995	1,298.1	1,071.4	0.4	1.9	0.0	2.3	R 379.8	17.6	0.0	0.0	(s)	R 2,759.6
1996	1,401.6	1,063.1	2.1	3.9	0.0	6.0	R 375.7	9.9	0.0	0.0	(s)	R 2,845.6
1997	1,433.1	1,080.9	0.2	1.9	0.0	2.0	R 392.0	R 21.6	0.0	0.0	(s)	R 2,920.4
1998	1,421.6	1,272.4	0.1	1.5	0.0	1.6	R 405.8	R 19.4	0.0	0.0	(s)	R 3,113.0
1999	1,467.3	1,232.6	0.1	1.6	0.0	1.7	R 384.1	R 12.7	0.0	0.0	(s)	R 3,087.5
2000	1,474.9	1,269.9	2.5	11.0	0.0	13.5	391.7	12.0	0.0	0.0	(s)	3,160.8

^a Includes supplemental gaseous fuels.^b The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.^c Prior to 1980, based on oil used in steam plants. Since 1980, residual fuel includes fuel oil nos. 4, 5, and 6 and residual fuel oils.^d Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. Since 1980, distillate fuel includes fuel oil nos. 1 and 2, kerosene, and jet fuel.^e If applicable, through 1988, includes all net imports of electricity, and, from 1989, includes only the portion of imports of electricity that is derived from hydroelectric power.^f "Other" is electricity generated for distribution from wind, photovoltaic, and solar thermal energy.^g If applicable, from 1989, includes net imports of electricity generated from nonrenewable energy sources not shown in other columns. See data in Table TN8 in the Technical Notes.

R=Revised data.

—=Not applicable.

(s)=Btu value less than 0.05 and physical unit value less than 0.5.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.