

**Table 269. Energy Consumption Estimates by Source, Selected Years 1960-1999, Tennessee**

Year	Coal <sup>a</sup> Thousand Short Tons	Natural Gas <sup>b</sup> Billion Cubic Feet	Petroleum											Nuclear Electric Power	Hydro-electric Power <sup>d</sup>	Wood and Waste	Other <sup>a,e</sup>	Net Inter-state Flow of Electricity/Losses <sup>f</sup>	Total <sup>g</sup>
			Asphalt & Road Oil <sup>a</sup>	Aviation Gasoline <sup>a</sup>	Distillate Fuel <sup>a</sup>	Jet Fuel <sup>a</sup>	Kero-sene <sup>a</sup>	LPG <sup>a</sup>	Lubri-cants <sup>a</sup>	Motor Gasoline	Residual Fuel <sup>a</sup>	Other <sup>a,c</sup>	Total						
			Thousand Barrels															Million kWh	
1960	15,436	147	1,785	1,040	5,291	570	2,624	1,311	760	27,268	188	R 1,413	R 42,250	0	8,676	—	—	20,917	—
1965	14,171	202	3,441	1,024	7,295	1,174	2,540	1,912	800	32,481	287	R 4,292	R 55,245	0	8,750	—	—	46,329	—
1970	17,726	256	3,628	116	10,952	3,335	4,135	3,182	825	41,869	597	R 6,209	R 74,849	0	8,067	—	—	50,754	—
1975	21,308	217	3,765	70	17,479	3,936	2,289	3,830	1,328	53,735	714	R 5,571	R 92,718	0	11,806	—	—	73,642	—
1980	24,687	230	3,378	290	19,176	4,154	1,534	2,787	1,241	54,948	1,499	R 8,213	R 97,218	519	8,764	—	—	74,740	—
1985	25,167	190	4,408	154	22,285	4,862	1,107	2,281	1,129	58,047	539	R 6,293	R 101,107	9,672	6,539	—	—	35,536	—
1990	24,878	220	5,798	174	23,872	4,181	438	2,906	1,270	58,001	311	R 10,730	R 107,681	14,003	R <sup>h</sup> 9,537	—	—	R 26,440	—
1991	23,107	227	5,349	145	22,618	3,413	342	3,208	1,136	56,162	406	R 11,331	R 104,111	16,587	R 10,497	—	—	R 26,893	—
1992	24,106	242	5,281	343	24,044	4,479	442	4,787	1,159	58,587	397	R 12,578	R 112,097	15,654	R 9,590	—	—	R 22,970	—
1993	27,854	254	4,922	395	23,976	6,569	410	3,566	1,180	61,213	528	R 12,043	R 114,802	3,305	R 8,394	—	—	R 40,415	—
1994	25,440	246	5,448	392	24,805	7,762	544	3,482	1,233	62,897	461	R 12,790	R 119,815	11,932	R 11,209	—	—	R 32,994	—
1995	27,399	257	5,434	397	27,388	8,096	490	3,416	1,212	64,822	368	R 12,420	R 124,042	15,708	R 8,951	—	—	R 10,926	—
1996	26,744	280	5,171	231	27,554	9,317	585	R 4,303	1,176	64,868	214	R 7,234	R 120,653	22,924	R 10,720	—	—	R 5,649	—
1997	28,203	282	4,917	312	28,108	9,433	580	R 4,028	1,242	66,148	160	R 7,188	R 122,117	24,648	R 9,871	—	—	R -8,704	—
1998	26,808	280	5,928	136	29,776	9,855	613	3,264	1,301	67,522	167	8,668	127,230	28,388	10,184	—	—	-281	—
1999	26,640	278	5,919	109	27,147	11,816	528	4,709	1,314	69,769	60	9,579	130,951	27,227	7,150	—	—	10,116	—

  

Trillion Btu																			
1960	374.4	151.7	11.8	5.2	30.8	3.1	14.9	5.3	4.6	143.2	1.2	R 8.3	R 228.5	0.0	93.4	45.4	0.0	71.4	R 964.7
1965	338.8	211.1	22.8	5.2	42.5	6.5	14.4	7.7	4.8	170.6	1.8	R 24.6	R 300.9	0.0	91.5	46.5	0.0	158.1	R 1,147.0
1970	403.7	261.8	24.1	0.6	63.8	18.8	23.4	12.0	5.0	219.9	3.8	R 35.3	R 406.7	0.0	84.7	53.8	0.0	173.2	R 1,383.8
1975	471.9	224.1	25.0	0.4	101.8	22.2	13.0	14.2	8.1	282.3	4.5	R 32.2	R 503.6	0.0	122.9	54.4	0.0	251.3	R 1,628.2
1980	576.9	233.3	22.4	1.5	111.7	23.4	8.7	10.2	7.5	288.6	9.4	R 46.1	R 529.7	5.7	91.0	R 62.1	0.0	255.0	R 1,753.7
1985	599.7	196.7	29.3	0.8	129.8	27.5	6.3	8.2	6.8	304.9	3.4	R 35.6	R 552.5	104.6	68.3	R 89.6	0.0	121.3	R 1,732.7
1990	600.3	227.5	38.5	0.9	139.1	23.6	2.5	10.5	7.7	304.7	2.0	R 60.1	R 589.5	149.5	h 99.2	R 54.9	h 0.1	R 90.2	R <sup>h</sup> 1,811.2
1991	565.5	234.6	35.5	0.7	131.8	19.3	1.9	11.6	6.9	295.0	2.6	R 63.5	R 568.7	178.1	109.5	R 56.9	0.1	R 91.8	R 1,805.3
1992	590.6	249.2	35.0	1.7	140.1	25.3	2.5	17.3	7.0	307.8	2.5	R 70.4	R 609.7	167.1	99.2	R 58.0	0.1	R 78.4	R 1,852.3
1993	685.9	263.1	32.7	2.0	139.7	37.2	2.3	12.9	7.2	321.6	3.3	R 67.2	R 625.9	35.3	86.5	R 52.0	0.1	R 137.9	R 1,886.8
1994	622.9	254.0	36.2	2.0	144.5	44.0	3.1	12.7	7.5	R 328.9	2.9	R 71.5	R 653.1	127.4	R 115.6	R 65.4	0.1	R 112.6	R 1,951.1
1995	668.2	264.8	36.1	2.0	159.5	45.9	2.8	12.4	7.4	R 338.0	2.3	R 69.4	R 675.8	167.4	R 92.3	R 62.9	0.1	R 37.3	R 1,968.7
1996	648.6	289.3	34.3	1.2	160.5	52.8	3.3	R 15.5	7.1	R 338.3	1.3	R 41.8	R 656.3	243.5	R 110.8	R 60.4	0.1	R 19.3	R 2,028.2
1997	673.5	291.1	32.6	1.6	163.7	53.5	3.3	R 14.6	7.5	R 344.8	1.0	R 41.5	R 664.1	261.8	R 102.2	R 49.8	0.1	R -29.7	R 2,013.0
1998	634.5	288.7	39.3	0.7	173.4	55.9	3.5	11.8	7.9	351.9	1.1	50.4	695.9	301.6	105.4	32.2	0.1	-1.0	2,057.3
1999	625.8	285.8	39.3	0.6	158.1	67.0	3.0	17.0	8.0	363.6	0.4	55.8	712.7	289.2	74.0	48.3	0.1	34.5	2,070.5

<sup>a</sup> The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the "Additional Notes" under each type of energy in Appendix A.

<sup>b</sup> Includes supplemental gaseous fuels.

<sup>c</sup> "Other" is the subtotal of 16 petroleum products consumed in the industrial sector. See a full description in Appendix A, Section 4, "Other Petroleum Products."

<sup>d</sup> 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.

<sup>e</sup> "Other" is geothermal, wind, photovoltaic, and solar thermal energy. See Appendix A, Section 5, for explanation of estimation methodology.

<sup>f</sup> Net interstate flow of electricity is the difference between the amount of energy in the electricity sold within a State (including associated losses) and the energy input at the electric utilities within the State. A positive number

indicates that more electricity (including associated losses) came into the State than went out of the State during the year; conversely, a negative number indicates that more electricity (including associated losses) went out of the State than came into the State.

<sup>g</sup> From 1989, "Total" does not equal the sum of the columns. Net imports of electricity generated from nonrenewable energy sources (shown in appendix Table A8) is included in the total but not in any other columns.

<sup>h</sup> There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.

kWh=kilowatthours. R=Revised data. — =Not applicable.

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

Sources: Data sources, estimation procedures, and assumptions are described in the appendices to this report.

**Table 270. Residential Energy Consumption Estimates, Selected Years 1960-1999, Tennessee**

Year	Coal <sup>a</sup> Thousand Short Tons	Natural Gas <sup>b</sup> Billion Cubic Feet	Petroleum				Wood Thousand Cords	Geothermal	Solar <sup>c</sup>	Electricity <sup>a</sup> Million Kilowatthours	Net Energy	Electrical System Energy Losses <sup>d</sup>	Total
			Distillate Fuel <sup>a</sup>	Kerosene <sup>a</sup>	LPG <sup>a</sup>	Total						Million Kilowatthours	
			Thousand Barrels										
1960	336	34	80	797	862	1,740	1,269	—	—	8,683	—	21,599	—
1965	233	37	100	881	1,136	2,117	949	—	—	12,134	—	28,971	—
1970	191	47	169	2,027	2,316	4,512	806	—	—	17,942	—	43,479	—
1975	114	44	237	1,316	2,767	4,320	840	—	—	23,034	—	55,561	—
1980	82	45	308	549	1,501	2,358	R 620	—	—	26,207	—	63,727	—
1985	59	39	259	737	1,209	2,205	1,543	—	—	25,546	—	60,018	—
1990	78	46	237	324	1,716	2,277	918	—	—	28,757	—	R 62,908	—
1991	63	49	268	268	1,936	2,472	967	—	—	29,605	—	R 64,360	—
1992	55	52	259	361	2,094	2,715	1,017	—	—	29,498	—	R 62,913	—
1993	39	59	205	311	2,201	2,716	R 777	—	—	30,199	—	R 63,786	—
1994	32	57	302	439	2,112	2,853	R 761	—	—	32,797	—	R 68,444	—
1995	51	60	281	372	2,129	2,782	R 845	—	—	30,967	—	R 64,564	—
1996	39	70	272	456	R 2,857	R 3,585	843	—	—	35,333	—	R 73,635	—
1997	46	64	251	437	R 2,582	R 3,269	R 407	—	—	33,367	—	R 69,407	—
1998	9	59	227	424	2,432	3,083	359	—	—	35,428	—	73,187	—
1999	34	59	210	423	3,047	3,680	385	—	—	35,425	—	69,408	—
<b>Trillion Btu</b>													
1960	8.3	35.1	0.5	4.5	3.5	8.4	25.4	0.0	0.0	29.6	106.8	73.7	180.5
1965	5.7	38.9	0.6	5.0	4.6	10.1	19.0	0.0	0.0	41.4	115.1	98.8	214.0
1970	4.5	47.6	1.0	11.5	8.8	21.2	16.1	0.0	0.0	61.2	150.7	148.3	299.0
1975	2.7	45.4	1.4	7.5	10.3	19.1	16.8	0.0	0.0	78.6	162.6	189.6	352.2
1980	2.0	45.6	1.8	3.1	5.5	10.4	12.4	0.0	0.0	89.4	159.8	217.4	R 377.3
1985	1.4	40.8	1.5	4.2	4.4	10.0	30.9	0.0	0.0	87.2	170.3	204.8	375.1
1990	1.9	48.0	1.4	1.8	6.2	9.4	18.4	e (s)	e 0.1	98.1	e 175.9	214.6	e 390.5
1991	1.6	51.0	1.6	1.5	7.0	10.1	19.3	(s)	0.1	101.0	183.1	R 219.6	R 402.7
1992	1.3	53.8	1.5	2.0	7.6	11.1	20.3	(s)	0.1	100.6	187.4	R 214.7	R 402.1
1993	1.0	61.0	1.2	1.8	7.9	10.9	15.5	(s)	0.1	103.0	191.5	R 217.6	409.2
1994	0.8	59.2	1.8	2.5	7.7	11.9	15.2	(s)	0.1	111.9	199.1	R 233.5	R 432.7
1995	1.3	61.9	1.6	2.1	7.7	11.5	16.9	(s)	0.1	105.7	R 197.3	R 220.3	R 417.5
1996	1.0	72.7	1.6	2.6	R 10.3	R 14.5	16.9	(s)	0.1	120.6	R 225.7	R 251.2	R 476.9
1997	1.1	66.1	1.5	2.5	R 9.3	R 13.3	R 8.1	(s)	0.1	113.8	R 202.6	R 236.8	R 439.4
1998	0.2	61.2	1.3	2.4	8.8	12.5	7.2	(s)	0.1	120.9	202.1	249.7	451.8
1999	0.8	60.6	1.2	2.4	11.0	14.6	7.7	(s)	0.1	120.9	204.7	236.8	441.5

<sup>a</sup> The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the "Additional Notes" under each type of energy in Appendix A.

<sup>b</sup> Includes supplemental gaseous fuels.

<sup>c</sup> Includes small amounts of solar thermal and photovoltaic energy consumed by the commercial sector that cannot be separately identified. See Appendix A, Section 5, for explanation of estimation methodology.

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

<sup>e</sup> 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 appendices to this report.

**Table 271. Commercial Energy Consumption Estimates, Selected Years 1960-1999, Tennessee**

Year	Coal <sup>a</sup> Thousand Short Tons	Natural Gas <sup>b</sup> Billion Cubic Feet	Petroleum						Wood Thousand Cords	Geothermal	Electricity <sup>a</sup> Million Kilowatthours	Net Energy	Electrical System Energy Losses <sup>c</sup>	
			Distillate Fuel <sup>a</sup>	Kerosene <sup>a</sup>	LPG <sup>a</sup>	Motor Gasoline	Residual Fuel <sup>a</sup>	Total					Million Kilowatthours	Total <sup>d</sup>
1960	618	24	200	157	152	173	(s)	682	24	—	2,796	—	6,956	—
1965	430	28	248	173	200	277	(s)	899	18	—	4,274	—	10,204	—
1970	352	43	422	399	409	392	1	1,622	15	—	6,352	—	15,393	—
1975	211	42	589	259	488	419	1	1,757	16	—	7,440	—	17,947	—
1980	152	44	1,015	104	265	465	48	1,897	15	—	14,216	—	34,568	—
1985	110	43	3,086	167	213	337	98	3,901	R 41	—	9,856	—	23,156	—
1990	140	44	636	69	303	464	33	1,504	R 58	—	13,075	—	R 28,603	—
1991	109	46	602	32	342	418	17	1,410	R 62	—	13,117	—	R 28,516	—
1992	102	47	1,042	69	370	346	57	1,883	R 66	—	7,391	—	R 15,763	—
1993	72	51	937	61	388	203	34	1,622	62	—	6,102	—	R 12,889	—
1994	58	51	1,006	73	373	49	33	1,533	64	—	6,121	—	R 12,775	—
1995	94	51	798	80	376	50	14	1,318	64	—	6,234	—	R 12,998	—
1996	72	58	918	89	R 504	49	28	R 1,589	69	—	6,543	—	R 13,636	—
1997	85	55	876	99	R 456	49	45	R 1,524	R 45	—	25,839	—	R 53,747	—
1998	16	52	935	123	429	49	2	1,537	45	—	25,859	—	53,419	—
1999	64	51	874	52	538	49	0	1,512	54	—	26,260	—	51,452	—
<b>Trillion Btu</b>														
1960	15.3	25.1	1.2	0.9	0.6	0.9	(s)	3.6	0.5	0.0	9.5	54.0	23.7	77.7
1965	10.6	29.6	1.4	1.0	0.8	1.5	(s)	4.7	0.4	0.0	14.6	59.8	34.8	94.6
1970	8.4	43.7	2.5	2.3	1.5	2.1	(s)	8.3	0.3	0.0	21.7	82.3	52.5	134.9
1975	5.0	43.8	3.4	1.5	1.8	2.2	(s)	8.9	0.3	0.0	25.4	83.4	61.2	144.6
1980	3.6	44.8	5.9	0.6	1.0	2.4	0.3	10.2	0.3	0.0	48.5	107.4	117.9	225.4
1985	2.7	44.9	18.0	0.9	0.8	1.8	0.6	22.1	R 0.8	0.0	33.6	R 104.1	79.0	R 183.1
1990	3.5	45.1	3.7	0.4	1.1	2.4	0.2	7.8	R 1.2	e 0.0	44.6	R e 102.1	97.6	R e 199.7
1991	2.7	47.5	3.5	0.2	1.2	2.2	0.1	7.2	R 1.2	0.0	44.8	R 103.4	R 97.3	R 200.7
1992	2.5	48.0	6.1	0.4	1.3	1.8	0.4	10.0	R 1.3	0.0	25.2	R 87.0	R 53.8	R 140.7
1993	1.8	52.5	5.5	0.3	1.4	1.1	0.2	8.5	1.2	0.0	20.8	84.9	44.0	128.9
1994	1.5	52.4	5.9	0.4	1.4	0.3	0.2	8.1	1.3	0.0	20.9	84.1	43.6	127.7
1995	2.4	52.8	4.6	0.5	1.4	0.3	0.1	6.8	1.3	0.0	21.3	84.6	R 44.4	128.9
1996	1.8	60.4	5.3	0.5	R 1.8	0.3	0.2	R 8.1	1.4	0.0	22.3	R 94.0	46.5	R 140.5
1997	2.1	56.8	5.1	0.6	1.6	0.3	0.3	7.8	R 0.9	0.0	88.2	R 155.9	R 183.4	339.2
1998	0.4	54.0	5.4	0.7	1.6	0.3	(s)	8.0	0.9	0.0	88.2	151.4	182.3	333.7
1999	1.6	52.8	5.1	0.3	1.9	0.3	0.0	7.6	1.1	0.0	89.6	152.6	175.6	328.1

<sup>a</sup> The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the "Additional Notes" under each type of energy in Appendix A.

<sup>b</sup> Includes supplemental gaseous fuels.

<sup>c</sup> Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

<sup>d</sup> Small amounts of solar thermal and photovoltaic energy consumed in the commercial sector cannot be separately identified and are included in residential consumption.

<sup>e</sup> 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 appendices to report.

**Table 272. Industrial Energy Consumption Estimates, Selected Years 1960-1999, Tennessee**

Year	Coal Thousand Short Tons	Natural Gas <sup>a</sup> Billion Cubic Feet	Petroleum									Hydro-electric Power <sup>b</sup> Million kWh	Wood and Waste	Other <sup>b,d</sup>	Electricity <sup>b</sup>		Electrical System Energy Losses <sup>e</sup> Million kWh	Total
			Asphalt and Road Oil <sup>b</sup>	Distillate Fuel <sup>b</sup>	Kerosene <sup>b</sup>	LPG <sup>b</sup>	Lubricants <sup>b</sup>	Motor Gasoline	Residual Fuel <sup>b</sup>	Other <sup>b,c</sup>	Total				Million kWh	Net Energy		
			Thousand Barrels															
1960	2,307	76	1,785	2,096	1,670	275	256	627	180	R 1,413	R 8,301	0	—	—	27,514	—	68,438	—
1965	2,862	97	3,441	2,601	1,486	522	321	484	264	R 4,292	R 13,410	0	—	—	28,362	—	67,716	—
1970	2,452	123	3,628	3,172	1,709	363	334	235	593	R 6,209	R 16,245	0	—	—	27,776	—	67,310	—
1975	2,134	112	3,765	4,712	714	455	522	117	523	R 5,571	R 16,379	0	—	—	37,904	—	91,429	—
1980	2,774	123	3,378	4,252	881	960	565	36	1,445	R 8,213	R 19,730	0	—	—	32,968	—	80,167	—
1985	4,145	97	4,408	3,482	203	693	514	642	441	R 6,293	R 16,677	0	—	—	33,624	—	78,997	—
1990	3,846	110	5,798	2,925	46	761	578	583	273	R 10,730	R 21,694	f 0	—	—	35,313	—	R 77,250	—
1991	3,720	116	5,349	2,702	43	796	517	557	339	R 11,331	R 21,634	0	—	—	35,667	—	R 77,538	—
1992	3,686	126	5,281	3,659	12	2,204	527	575	295	R 12,578	R 25,131	0	—	—	41,695	—	R 88,925	—
1993	3,942	124	4,922	3,389	38	829	537	724	479	R 12,043	R 22,962	0	—	—	43,530	—	R 91,942	—
1994	4,097	119	5,448	3,746	32	758	561	785	426	R 12,790	R 24,547	R 810	—	—	43,614	—	R 91,019	—
1995	3,777	126	5,434	3,980	37	777	552	865	351	R 12,420	R 24,416	R 764	—	—	44,828	—	R 93,463	—
1996	3,670	127	5,171	3,784	41	810	535	890	184	R 7,234	R 18,649	R 819	—	—	45,781	—	R 95,409	—
1997	3,608	139	4,917	4,590	44	R 871	566	937	110	R 7,188	R 19,223	R 470	—	—	27,710	—	R 57,640	—
1998	3,463	146	5,928	3,917	66	400	592	630	166	8,668	20,367	799	—	—	30,461	—	62,927	—
1999	3,325	139	5,919	2,410	53	1,066	598	569	60	9,579	20,254	652	—	—	31,493	—	61,705	—

  

Trillion Btu																		
1960	58.1	78.6	11.8	12.2	9.5	1.1	1.5	3.3	1.1	R 8.3	R 48.9	0.0	19.5	0.0	93.9	R 299.0	233.5	R 532.5
1965	71.4	101.9	22.8	15.2	8.4	2.1	1.9	2.5	1.7	R 24.6	R 79.2	0.0	27.2	0.0	96.8	R 376.5	231.0	R 607.5
1970	58.0	125.9	24.1	18.5	9.7	1.4	2.0	1.2	3.7	R 35.3	R 95.9	0.0	37.3	0.0	94.8	R 411.9	229.7	R 641.5
1975	49.9	115.1	25.0	27.4	4.1	1.7	3.2	0.6	3.3	R 32.2	R 97.5	0.0	37.3	0.0	129.3	R 429.2	312.0	R 741.1
1980	67.2	125.1	22.4	24.8	5.0	3.5	3.4	0.2	9.1	R 46.1	R 114.5	0.0	R 49.4	0.0	112.5	R 468.7	273.5	R 742.2
1985	102.2	100.6	29.3	20.3	1.1	2.5	3.1	3.4	2.8	R 35.6	R 98.0	0.0	R 57.9	0.0	114.7	R 473.4	269.5	R 742.9
1990	96.8	113.6	38.5	17.0	0.3	2.8	3.5	3.1	1.7	R 60.1	R 126.9	f 0.0	R 35.4	f 0.0	120.5	R 493.2	R 263.6	R 756.7
1991	93.5	119.7	35.5	15.7	0.2	2.9	3.1	2.9	2.1	R 63.5	R 126.0	0.0	R 36.4	0.0	121.7	R 497.2	R 264.6	R 761.8
1992	93.1	130.2	35.0	21.3	0.1	8.0	3.2	3.0	1.9	R 70.4	R 142.9	0.0	R 36.4	0.0	142.3	R 544.8	R 303.4	R 848.2
1993	99.2	128.7	32.7	19.7	0.2	3.0	3.3	3.8	3.0	R 67.2	R 132.9	0.0	R 35.2	0.0	148.5	R 544.5	R 313.7	R 858.2
1994	102.7	122.7	36.2	21.8	0.2	2.8	3.4	4.1	2.7	R 71.5	R 142.6	R 8.4	R 48.9	0.0	148.8	R 574.0	R 310.6	R 884.6
1995	94.9	129.8	36.1	23.2	0.2	2.8	3.3	4.5	2.2	R 69.4	R 141.7	R 7.9	R 44.8	0.0	153.0	R 572.1	R 318.9	R 890.9
1996	91.8	130.6	34.3	22.0	0.2	2.9	3.2	R 4.6	1.2	R 41.8	R 110.3	R 8.5	R 42.2	0.0	156.2	R 539.6	R 325.5	R 865.1
1997	90.2	143.2	32.6	26.7	0.3	3.1	3.4	4.9	0.7	R 41.5	R 113.2	R 4.9	R 40.8	0.0	94.5	R 486.8	R 196.7	R 683.5
1998	86.6	150.2	39.3	22.8	0.4	1.4	3.6	3.3	1.0	50.4	122.3	8.3	24.1	0.0	103.9	495.4	214.7	710.1
1999	83.2	143.0	39.3	14.0	0.3	3.9	3.6	3.0	0.4	55.8	120.2	6.7	39.5	0.0	107.5	500.2	210.5	710.8

<sup>a</sup> Includes supplemental gaseous fuels.

<sup>b</sup> The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the "Additional Notes" under each type of energy in Appendix A.

<sup>c</sup> "Other" is the subtotal of 16 petroleum products. See a full description in Appendix A, Section 4, "Other Petroleum Products."

<sup>d</sup> "Other" is geothermal, wind, photovoltaic, and solar thermal energy. See Appendix A, Section 5, for explanation of estimation methodology.

<sup>e</sup> Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for

electrical system energy losses.

<sup>f</sup> 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.

kWh=kilowatt-hours. — =Not applicable.

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

Sources: Data sources, estimation procedures, and assumptions are described in the appendices to this report.

**Table 273. Transportation Energy Consumption Estimates, Selected Years 1960-1999, Tennessee**

Year	Coal <sup>a</sup>	Natural Gas <sup>b</sup>	Petroleum								Ethanol <sup>c</sup>	Electricity <sup>a</sup>	Net Energy	Electrical System Energy Losses <sup>d</sup>	Total <sup>c</sup>
			Aviation Gasoline <sup>a</sup>	Distillate Fuel <sup>a</sup>	Jet Fuel <sup>a</sup>	LPG <sup>a</sup>	Lubricants <sup>a</sup>	Motor Gasoline	Residual Fuel <sup>a</sup>	Total					
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels								Thousand Barrels	Million Kilowatthours		Million Kilowatthours	
1960	38	5	1,040	2,914	570	22	505	26,468	8	31,527	0	(s)	—	(s)	—
1965	9	23	1,024	4,346	1,174	54	479	31,721	22	38,819	0	(s)	—	(s)	—
1970	4	26	116	7,189	3,335	94	491	41,241	3	52,469	0	(s)	—	(s)	—
1975	(s)	19	70	10,631	3,936	120	807	53,199	191	68,953	0	(s)	—	(s)	—
1980	0	16	290	13,196	4,154	61	676	54,446	6	72,828	0	(s)	—	(s)	—
1985	0	10	154	15,221	4,862	166	615	57,068	0	78,087	R <sup>e</sup> 686	(s)	—	1	—
1990	0	20	174	19,842	4,181	126	692	56,954	5	81,974	R 583	(s)	—	1	—
1991	0	16	145	18,774	3,413	135	619	55,187	50	78,324	R 426	(s)	—	1	—
1992	0	16	343	18,860	4,479	120	631	57,667	44	82,144	R 516	(s)	—	1	—
1993	0	19	395	19,033	6,569	147	643	60,286	15	87,089	R 593	(s)	—	1	—
1994	0	18	392	19,231	7,762	240	672	62,062	3	90,362	R 841	1	—	2	—
1995	0	18	397	21,874	8,096	135	660	63,907	2	95,070	R 358	1	—	3	—
1996	0	24	231	22,119	9,317	R 133	641	63,928	2	R 96,370	R 7	1	—	3	—
1997	0	23	312	22,017	9,433	R 120	677	65,162	4	R 97,725	R 7	1	—	2	—
1998	0	16	136	23,250	9,855	3	709	66,842	0	100,794	8	2	—	4	—
1999	0	25	109	22,612	11,816	58	716	69,151	0	104,462	0	2	—	4	—
<b>Trillion Btu</b>															
1960	0.9	5.5	5.2	17.0	3.1	0.1	3.1	139.0	0.1	167.6	0.0	(s)	174.0	(s)	174.0
1965	0.2	23.7	5.2	25.3	6.5	0.2	2.9	166.6	0.1	206.9	0.0	(s)	230.9	(s)	230.9
1970	0.1	27.0	0.6	41.9	18.8	0.4	3.0	216.6	(s)	281.2	0.0	(s)	308.4	(s)	308.4
1975	(s)	19.7	0.4	61.9	22.2	0.4	4.9	279.5	1.2	370.5	0.0	(s)	390.2	(s)	390.2
1980	0.0	16.8	1.5	76.9	23.4	0.2	4.1	286.0	(s)	392.1	0.0	(s)	408.9	(s)	408.9
1985	0.0	10.5	0.8	88.7	27.5	0.6	3.7	299.8	0.0	421.0	R <sup>e</sup> 2.4	(s)	<sup>e</sup> 431.5	(s)	<sup>e</sup> 431.5
1990	0.0	20.3	0.9	115.6	23.6	0.5	4.2	299.2	(s)	443.9	R 2.1	(s)	464.2	(s)	464.2
1991	0.0	16.3	0.7	109.4	19.3	0.5	3.8	289.9	0.3	423.8	R 1.5	(s)	440.1	(s)	440.1
1992	0.0	16.9	1.7	109.9	25.3	0.4	3.8	302.9	0.3	444.4	R 1.8	(s)	461.3	(s)	461.3
1993	0.0	19.3	2.0	110.9	37.2	0.5	3.9	316.7	0.1	471.2	R 2.1	(s)	490.5	(s)	490.6
1994	0.0	18.7	2.0	112.0	44.0	0.9	4.1	R 324.6	(s)	R 487.5	R 3.0	(s)	R 506.2	(s)	R 506.2
1995	0.0	18.2	2.0	127.4	45.9	0.5	4.0	R 333.3	(s)	R 513.1	R 1.3	(s)	R 531.3	(s)	R 531.3
1996	0.0	25.0	1.2	128.8	52.8	R 0.5	3.9	R 333.4	(s)	R 520.7	(s)	(s)	R 545.7	(s)	R 545.7
1997	0.0	23.3	1.6	128.2	53.5	0.4	4.1	R 339.7	(s)	R 527.6	(s)	(s)	R 550.8	(s)	R 550.8
1998	0.0	16.9	0.7	135.4	55.9	(s)	4.3	348.4	0.0	544.7	(s)	(s)	561.6	(s)	561.6
1999	0.0	25.9	0.6	131.7	67.0	0.2	4.3	360.3	0.0	564.2	0.0	(s)	590.1	(s)	590.1

<sup>a</sup> The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the "Additional Notes" under each type of energy in Appendix A.

<sup>b</sup> 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.

<sup>c</sup> 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.

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

<sup>e</sup> 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 appendices to this report.

**Table 274. Estimates of Energy Input at Electric Utilities, Selected Years, 1960-1999, Tennessee**

Year	Coal	Natural Gas <sup>a</sup>	Petroleum				Nuclear Electric Power	Hydroelectric Power <sup>e</sup>	Wood and Waste	Geothermal Energy	Other <sup>b,f</sup>	Total <sup>g</sup>
			Heavy Oil <sup>b,c</sup>	Light Oil <sup>b,d</sup>	Petroleum Coke <sup>b</sup>	Total						
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels				Million Kilowatthours					
1960	12,138	7	0	(s)	0	(s)	0	8,676	0	0	0	—
1965	10,637	16	0	0	0	0	0	8,750	0	0	0	—
1970	14,727	17	0	0	0	0	0	8,067	0	0	0	—
1975	18,848	0	0	1,310	0	1,310	0	11,806	0	0	0	—
1980	21,679	1	0	406	0	406	519	8,764	0	0	0	—
1985	20,853	0	0	237	0	237	9,672	6,539	0	0	0	—
1990	20,814	1	0	232	0	232	14,003	9,537	0	0	0	—
1991	19,216	(s)	0	272	0	272	16,587	10,497	0	0	0	—
1992	20,263	(s)	0	225	0	225	15,654	9,590	0	0	0	—
1993	23,801	2	0	413	0	413	3,305	8,394	0	0	0	—
1994	21,253	1	0	519	0	519	11,932	10,399	0	0	0	—
1995	23,477	2	0	455	0	455	15,708	8,186	0	0	0	—
1996	22,963	1	0	460	0	460	22,924	9,900	0	0	0	—
1997	24,464	2	0	375	0	375	24,648	9,401	0	0	0	—
1998	23,321	6	0	1,448	0	1,448	28,388	9,385	0	0	0	—
1999	23,216	3	0	1,042	0	1,042	27,227	6,499	0	0	0	—
<b>Trillion Btu</b>												
1960	291.8	7.5	0.0	(s)	0.0	(s)	0.0	93.4	0.0	0.0	0.0	392.6
1965	250.9	17.0	0.0	0.0	0.0	0.0	0.0	91.5	0.0	0.0	0.0	359.4
1970	332.7	17.6	0.0	0.0	0.0	0.0	0.0	84.7	0.0	0.0	0.0	435.0
1975	414.3	0.0	0.0	7.6	0.0	7.6	0.0	122.9	0.0	0.0	0.0	544.8
1980	504.1	1.1	0.0	2.4	0.0	2.4	5.7	91.0	0.0	0.0	0.0	604.3
1985	493.3	0.0	0.0	1.4	0.0	1.4	104.6	68.3	0.0	0.0	0.0	667.6
1990	498.1	0.6	0.0	1.4	0.0	1.4	149.5	99.2	0.0	0.0	0.0	748.8
1991	467.7	0.2	0.0	1.6	0.0	1.6	178.1	109.5	0.0	0.0	0.0	757.2
1992	493.7	0.3	0.0	1.3	0.0	1.3	167.1	99.2	0.0	0.0	0.0	761.6
1993	584.0	1.6	0.0	2.4	0.0	2.4	35.3	86.5	0.0	0.0	0.0	709.8
1994	518.0	1.1	0.0	3.0	0.0	3.0	127.4	107.3	0.0	0.0	0.0	756.7
1995	569.5	2.1	0.0	2.7	0.0	2.7	167.4	84.4	0.0	0.0	0.0	826.2
1996	554.0	0.6	0.0	2.7	0.0	2.7	243.5	<sup>R</sup> 102.4	0.0	0.0	0.0	903.1
1997	580.1	1.7	0.0	2.2	0.0	2.2	261.8	<sup>R</sup> 97.4	0.0	0.0	0.0	<sup>R</sup> 943.1
1998	547.2	6.4	0.0	8.4	0.0	8.4	301.6	97.1	0.0	0.0	0.0	960.7
1999	540.2	3.6	0.0	6.1	0.0	6.1	289.2	67.2	0.0	0.0	0.0	906.3

<sup>a</sup> Includes supplemental gaseous fuels.

<sup>b</sup> The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the "Additional Notes" under each type of energy in Appendix A.

<sup>c</sup> Prior to 1980, based on oil used in steam plants. Since 1980, heavy oil includes fuel oil nos. 4, 5, and 6 and residual fuel oils.

<sup>d</sup> Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. Since 1980, light oil includes fuel oil nos. 1 and 2, kerosene, and jet fuel.

<sup>e</sup> 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.

<sup>f</sup> "Other" is electricity generated for distribution from wind, photovoltaic, and solar thermal energy.

<sup>g</sup> If applicable, from 1989, includes net imports of electricity generated from nonrenewable energy sources not shown in other columns. See data in appendix Table A8.

<sup>R</sup> 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 appendices to this report.