

Table 245. Energy Consumption Estimates by Source, Selected Years 1960-1999, Pennsylvania

Year	Coal ^a	Natural Gas ^b	Petroleum											Nuclear Electric Power	Hydro-electric Power ^d	Wood and Waste	Other ^{a,e}	Net Interstate Flow of Electricity/Losses ^f	Total ^g
			Asphalt & Road Oil ^a	Aviation Gasoline ^a	Distillate Fuel ^a	Jet Fuel ^a	Kero-sene ^a	LPG ^a	Lubri-cants ^a	Motor Gasoline	Residual Fuel ^a	Other ^{a,c}	Total						
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels											Million kWh		Million kWh	Other ^{a,e}	Million kWh	
1960	60,624	522	4,731	1,994	46,257	1,036	3,508	2,334	2,775	80,104	42,958	R 11,310	R 197,008	230	1,826	—	—	-1,496	—
1965	68,907	629	6,201	1,922	54,459	3,406	3,851	3,030	3,540	85,723	43,238	R 14,319	R 219,689	313	1,329	—	—	4,970	—
1970	68,573	772	6,600	662	63,489	9,083	4,251	4,754	3,844	101,718	60,436	R 14,462	R 269,299	465	1,366	—	—	2,804	—
1975	67,043	654	5,663	426	68,017	8,548	3,398	6,077	3,349	108,765	41,631	R 15,988	R 261,861	15,869	1,576	—	—	-34,243	—
1980	65,911	776	5,148	337	68,602	10,148	2,763	7,255	4,069	107,925	35,099	R 19,800	R 261,145	12,091	734	—	—	-36,478	—
1985	56,703	626	4,913	208	53,862	10,126	3,557	7,577	3,703	101,979	17,799	R 16,976	R 220,700	26,232	972	—	—	-75,188	—
1990	57,319	644	7,466	145	53,913	12,042	1,654	6,313	4,166	107,467	17,687	R 20,494	R 231,348	57,787	R ^h 1,990	—	—	R -131,453	—
1991	54,931	639	6,192	116	52,993	11,355	1,781	7,585	3,727	107,081	15,965	R 19,061	R 225,856	57,476	R 957	—	—	R -117,748	—
1992	56,074	683	6,036	163	55,063	10,932	1,828	9,176	3,800	107,406	14,904	R 22,055	R 231,364	60,133	R 1,659	—	—	R -129,256	—
1993	56,158	691	6,087	150	61,246	11,787	2,056	5,759	3,869	109,970	18,266	R 19,735	R 238,926	59,331	R 1,492	—	—	R -125,090	—
1994	54,094	697	7,610	136	62,323	11,748	2,078	5,634	4,044	109,532	18,981	R 20,626	R 242,713	67,207	R 2,008	—	—	R -131,869	—
1995	55,326	721	7,808	125	61,821	12,313	2,760	5,509	3,975	112,282	12,787	R 21,340	R 240,721	66,462	R 806	—	—	R -121,415	—
1996	57,226	728	7,472	121	62,598	11,831	3,116	R 6,080	3,857	113,639	12,039	R 19,453	R 240,207	68,672	R 2,235	—	—	R -135,963	—
1997	58,591	694	6,962	107	61,271	14,813	3,015	R 5,283	4,075	114,779	10,573	R 22,536	R 243,415	67,655	R 1,690	—	—	R -137,278	—
1998	54,538	621	7,890	126	59,350	16,716	3,375	5,452	4,266	116,867	14,138	21,730	249,910	61,149	1,929	—	—	-133,550	—
1999	45,336	672	4,996	205	64,217	15,943	3,064	5,677	4,310	117,420	13,366	21,742	250,940	71,123	1,505	—	—	-109,941	—
Trillion Btu																			
1960	1,529.9	540.1	31.4	10.1	269.4	5.7	19.9	9.4	16.8	420.8	270.1	R 67.7	R 1,121.3	2.7	19.6	46.5	0.0	-5.1	R 3,255.0
1965	1,751.2	652.9	41.2	9.7	317.2	19.2	21.8	12.2	21.5	450.3	271.8	R 84.1	R 1,249.0	3.7	13.9	47.4	0.0	17.0	R 3,735.0
1970	1,699.0	797.9	43.8	3.3	369.8	51.4	24.1	18.0	23.3	534.3	380.0	R 84.9	R 1,532.9	5.1	14.3	53.2	0.0	9.6	R 4,112.0
1975	1,646.7	670.1	37.6	2.1	396.2	48.4	19.3	22.6	20.3	571.3	261.7	R 94.0	R 1,473.5	174.8	16.4	57.5	0.0	-116.8	R 3,922.1
1980	1,636.1	792.8	34.2	1.7	399.6	57.4	15.7	26.7	24.7	566.9	220.7	R 114.5	R 1,462.0	131.9	7.6	R 141.0	0.0	-124.5	R 4,046.8
1985	1,409.1	646.9	32.6	1.1	313.7	57.3	20.2	27.3	22.5	535.7	111.9	R 100.0	R 1,222.2	283.6	10.1	R 132.5	0.0	-256.5	R 3,447.9
1990	1,427.3	667.6	49.5	0.7	314.0	68.2	9.4	22.9	25.3	564.5	111.2	R 119.9	R 1,285.7	617.2	R 20.7	R 63.7	R ^h 0.7	R -448.5	R 3,634.3
1991	1,364.8	661.7	41.1	0.6	308.7	64.3	10.1	27.4	22.6	562.5	100.4	R 111.8	R 1,249.5	617.3	R 10.0	R 67.6	R 0.7	R -401.8	R 3,569.8
1992	1,407.7	707.1	40.1	0.8	320.7	61.9	10.4	33.3	23.0	564.2	93.7	R 128.5	R 1,276.6	642.1	17.2	R 78.8	0.7	R -441.0	R 3,689.1
1993	1,409.7	716.6	40.4	0.8	356.8	66.7	11.7	20.8	23.5	577.7	114.8	R 115.1	R 1,328.1	633.8	15.4	R 83.8	R 0.8	R -426.8	R 3,761.3
1994	1,357.8	722.3	50.5	0.7	363.0	66.5	11.8	20.5	24.5	572.9	119.3	R 120.3	R 1,350.0	717.5	R 20.7	R 87.2	R 0.8	R -449.9	R 3,806.8
1995	1,387.4	746.7	51.8	0.6	360.1	69.8	15.7	20.0	24.1	585.6	80.4	R 124.9	R 1,332.9	708.3	R 8.3	R 96.0	0.8	R -414.3	R 3,866.3
1996	1,432.3	752.7	49.6	0.6	364.6	67.1	17.7	R 22.0	23.4	R 592.7	75.7	R 113.3	R 1,326.6	729.5	R 23.1	R 123.4	0.9	R -463.9	R 3,925.3
1997	1,462.1	717.9	46.2	0.5	356.9	84.0	17.1	R 19.1	24.7	R 598.3	66.5	R 131.7	R 1,345.1	718.7	R 17.5	R 104.2	0.9	R -468.4	R 3,898.4
1998	1,356.7	643.8	52.4	0.6	345.7	94.8	19.1	19.7	25.9	609.1	88.9	127.1	1,383.3	649.6	20.0	67.0	1.0	-455.7	R 3,663.9
1999	1,142.7	696.2	33.2	1.0	374.1	90.4	17.4	20.5	26.1	611.9	84.0	126.7	1,385.3	755.5	15.6	94.5	1.0	-375.1	R 3,715.5

^a 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.

^b Includes supplemental gaseous fuels.

^c "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."

^d 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.

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

^f 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.

^g 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.

^h 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 246. Residential Energy Consumption Estimates, Selected Years 1960-1999, Pennsylvania

Year	Coal ^a	Natural Gas ^b	Petroleum				Wood	Geothermal	Solar ^c	Electricity ^a	Electrical System Energy Losses ^d	Total	
			Distillate Fuel ^a	Kerosene ^a	LPG ^a	Total							
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels				Thousand Cords	Million Kilowatthours	Net Energy	Million Kilowatthours			
1960	5,014	232	25,101	2,763	1,125	28,989	1,307	—	—	11,094	—	27,594	
1965	3,155	256	28,391	2,753	1,349	32,493	1,060	—	—	14,807	—	35,352	
1970	1,999	297	31,242	3,368	1,890	36,500	1,024	—	—	23,007	—	55,754	
1975	1,039	273	31,587	2,023	2,109	35,719	1,039	—	—	27,678	—	66,762	
1980	825	288	27,838	2,362	1,589	31,789	R 3,244	—	—	31,767	—	77,247	
1985	642	245	21,658	2,853	2,299	26,810	2,197	—	—	32,686	—	76,794	
1990	702	240	17,007	1,377	2,533	20,917	1,039	—	—	38,164	—	R 83,488	
1991	708	243	17,482	1,508	2,940	21,930	1,094	—	—	39,598	—	R 86,082	
1992	787	267	17,640	1,585	3,109	22,333	1,151	—	—	39,245	—	R 83,701	
1993	651	269	20,914	1,655	2,840	25,409	R 1,234	—	—	41,455	—	R 87,560	
1994	630	268	19,796	1,490	2,890	24,176	R 1,210	—	—	42,239	—	R 88,149	
1995	632	262	19,661	2,064	3,089	24,814	R 1,343	—	—	42,802	—	R 89,239	
1996	566	279	21,001	2,411	R 3,362	R 26,774	R 1,341	—	—	43,645	—	R 90,956	
1997	687	262	19,780	2,541	R 3,311	R 25,632	R 691	—	—	42,715	—	R 88,852	
1998	487	218	16,550	2,906	3,486	22,942	609	—	—	41,358	—	85,437	
1999	364	241	19,280	2,518	3,733	25,531	653	—	—	44,126	—	86,457	
Trillion Btu													
1960	124.0	240.2	146.2	15.7	4.5	166.4	26.1	0.0	0.0	37.9	594.5	94.1	688.7
1965	76.8	265.3	165.4	15.6	5.4	186.4	21.2	0.0	0.0	50.5	600.2	120.6	720.9
1970	47.0	306.8	182.0	19.1	7.1	208.2	20.5	0.0	0.0	78.5	661.1	190.2	851.3
1975	23.3	279.5	184.0	11.5	7.8	203.3	20.8	0.0	0.0	94.4	621.3	227.8	849.1
1980	19.0	294.7	162.2	13.4	5.8	181.4	R 64.9	0.0	0.0	108.4	R 668.3	263.6	R 931.9
1985	15.1	253.2	126.2	16.2	8.3	150.6	43.9	0.0	0.0	111.5	574.4	262.0	836.4
1990	17.7	248.9	99.1	7.8	9.2	116.1	20.8	e 0.2	R e 0.5	130.2	e 534.2	R 284.9	R e 819.1
1991	17.8	251.2	101.8	8.5	10.6	121.0	21.9	0.2	R 0.5	135.1	R 547.7	R 293.7	R 841.4
1992	19.5	276.1	102.8	9.0	11.3	123.0	23.0	0.2	R 0.5	133.9	R 576.3	R 285.6	R 861.9
1993	15.9	279.0	121.8	9.4	10.2	141.4	24.7	0.2	R 0.5	141.4	603.1	298.8	901.9
1994	15.8	278.1	115.3	8.4	10.5	134.3	24.2	0.2	R 0.5	144.1	R 597.2	R 300.8	897.9
1995	15.7	271.3	114.5	11.7	11.2	137.4	26.9	0.2	0.5	146.0	R 598.1	R 304.5	R 902.6
1996	14.0	288.1	122.3	13.7	R 12.1	R 148.1	26.8	0.2	0.5	148.9	R 626.7	R 310.3	R 937.1
1997	16.9	271.7	115.2	14.4	R 12.0	R 141.6	R 13.8	0.3	0.5	145.7	R 590.5	R 303.2	R 893.7
1998	11.9	225.8	96.4	16.5	12.6	125.5	12.2	0.3	0.5	141.1	517.3	291.5	808.8
1999	9.0	250.2	112.3	14.3	13.5	140.1	13.1	0.3	0.5	150.6	563.6	295.0	858.6

^a 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.

^b Includes supplemental gaseous fuels.

^c 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.

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

^e 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.

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 247. Commercial Energy Consumption Estimates, Selected Years 1960-1999, Pennsylvania

Year	Coal ^a	Natural Gas ^b	Petroleum						Wood	Electricity ^a	Electrical System Energy Losses ^c	Total ^d		
			Distillate Fuel ^a	Kerosene ^a	LPG ^a	Motor Gasoline	Residual Fuel ^a	Total						
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels						Thousand Cords	Geothermal	Million Kilowatthours	Net Energy	Million Kilowatthours	
1960	3,861	56	4,363	241	198	2,084	5,514	12,401	25	—	7,125	—	17,723	—
1965	2,433	68	4,935	240	238	2,585	5,899	13,897	20	—	9,417	—	22,484	—
1970	1,623	99	5,431	294	334	2,455	5,254	13,767	19	—	13,435	—	32,557	—
1975	830	99	5,491	177	372	1,310	3,630	10,980	20	—	18,608	—	44,886	—
1980	743	118	5,858	193	280	313	1,521	8,165	78	—	21,746	—	52,880	—
1985	631	115	4,933	359	406	448	1,414	7,559	R 59	—	24,580	—	57,749	—
1990	606	126	5,588	150	447	701	805	7,692	R 66	—	30,198	—	R 66,062	—
1991	701	126	5,450	131	519	555	632	7,287	R 70	—	31,612	—	R 68,722	—
1992	839	134	5,409	102	549	334	885	7,279	R 75	—	31,813	—	R 67,850	—
1993	606	132	6,001	173	501	87	1,125	7,887	99	—	33,232	—	R 70,190	—
1994	526	138	6,916	334	510	87	1,385	9,232	101	—	34,361	—	R 71,708	—
1995	556	144	6,132	528	545	88	1,240	8,533	101	—	35,542	—	R 74,102	—
1996	428	155	6,240	556	R 593	87	1,326	R 8,802	110	—	36,373	—	R 75,803	—
1997	557	144	4,960	323	R 584	284	1,050	R 7,201	R 76	—	36,827	—	R 76,603	—
1998	354	131	4,687	284	615	929	636	7,151	76	—	37,030	—	76,497	—
1999	327	143	4,777	344	659	188	648	6,616	91	—	38,306	—	75,054	—
Trillion Btu														
1960	95.5	58.1	25.4	1.4	0.8	10.9	34.7	73.2	0.5	0.0	24.3	251.6	60.5	312.1
1965	59.3	70.1	28.7	1.4	1.0	13.6	37.1	81.7	0.4	0.0	32.1	243.7	76.7	320.4
1970	38.3	102.6	31.6	1.7	1.3	12.9	33.0	80.5	0.4	0.0	45.8	267.6	111.1	378.7
1975	18.7	101.5	32.0	1.0	1.4	6.9	22.8	64.1	0.4	0.0	63.5	248.2	153.2	401.3
1980	17.3	121.1	34.1	1.1	1.0	1.6	9.6	47.5	1.6	0.0	74.2	261.6	180.4	442.0
1985	15.1	119.3	28.7	2.0	1.5	2.4	8.9	43.5	R 1.2	0.0	83.9	R 262.9	197.0	R 459.9
1990	15.2	130.3	32.6	0.9	1.6	3.7	5.1	43.8	R 1.3	^e (s)	103.0	R 293.7	225.4	R 519.1
1991	17.6	129.9	31.7	0.7	1.9	2.9	4.0	41.3	R 1.4	(s)	107.9	R 298.1	R 234.5	R 532.6
1992	20.9	139.1	31.5	0.6	2.0	1.8	5.6	41.4	R 1.5	0.1	108.5	R 311.5	R 231.5	R 543.0
1993	14.9	136.7	35.0	1.0	1.8	0.5	7.1	45.3	2.0	0.1	113.4	312.3	R 239.5	551.8
1994	13.2	143.5	40.3	1.9	1.9	0.5	8.7	53.2	2.0	0.1	117.2	329.2	R 244.7	573.9
1995	13.8	148.8	35.7	3.0	2.0	0.5	7.8	48.9	2.0	0.1	121.3	335.0	R 252.8	R 587.8
1996	10.6	159.9	36.3	3.1	R 2.1	0.5	8.3	R 50.4	2.2	0.1	124.1	R 347.4	R 258.6	R 606.0
1997	13.8	149.1	28.9	1.8	R 2.1	1.5	6.6	40.9	R 1.5	0.2	125.7	R 331.2	R 261.4	R 592.5
1998	8.7	135.7	27.3	1.6	2.2	4.8	4.0	40.0	1.5	0.2	126.3	312.5	261.0	573.5
1999	8.1	148.4	27.8	2.0	2.4	1.0	4.1	37.2	1.8	0.2	130.7	326.5	256.1	582.6

^a 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.

^b Includes supplemental gaseous fuels.

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

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

^e 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 248. Industrial Energy Consumption Estimates, Selected Years 1960-1999, Pennsylvania

Year	Coal	Natural Gas ^a	Petroleum									Hydro-electric Power ^b	Wood and Waste	Other ^{b,c}	Electricity ^b	Net Energy	Electrical System Energy Losses ^e	
			Asphalt and Road Oil ^b	Distillate Fuel ^b	Kerosene ^b	LPG ^b	Lubricants ^b	Motor Gasoline	Residual Fuel ^b	Other ^{b,c}	Total							
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels									Million kWh						
1960	33,140	213	4,731	8,645	503	992	1,432	1,456	29,692	R 11,310	R 58,762	16	—	—	20,693	—	51,470	—
1965	40,010	285	6,201	11,641	858	1,383	2,419	1,480	29,434	R 14,319	R 67,734	15	—	—	29,075	—	69,421	—
1970	35,753	340	6,600	10,196	589	2,396	2,518	1,181	27,132	R 14,462	R 65,074	12	—	—	38,993	—	94,494	—
1975	28,510	263	5,663	11,033	1,198	3,439	2,255	1,098	21,941	R 15,988	R 62,614	1	—	—	41,256	—	99,516	—
1980	21,877	337	5,148	11,128	208	5,238	2,756	586	11,555	R 19,484	R 56,104	1	—	—	46,045	—	111,966	—
1985	13,716	231	4,913	5,762	345	4,624	2,508	1,276	2,624	R 16,194	R 38,247	1	—	—	42,520	—	99,898	—
1990	14,546	241	7,466	6,303	127	3,177	2,822	1,180	5,814	R 19,489	R 46,379	R f 287	—	—	45,992	—	R 100,612	—
1991	12,860	235	6,192	5,354	143	3,938	2,525	1,254	4,467	R 18,074	R 41,947	R 302	—	—	44,728	—	R 97,236	—
1992	14,041	240	6,036	6,260	142	5,330	2,574	1,342	4,205	R 21,034	R 46,923	R 442	—	—	44,869	—	R 95,696	—
1993	14,644	246	6,087	6,101	227	2,222	2,621	959	4,302	R 18,803	R 41,323	R 368	—	—	44,949	—	R 94,940	—
1994	14,894	240	7,610	5,151	254	1,874	2,740	908	4,125	R 19,523	R 42,184	R 395	—	—	46,076	—	R 96,156	—
1995	14,885	253	7,808	4,253	169	1,687	2,693	934	2,933	R 20,030	R 40,506	R 347	—	—	47,528	—	R 99,093	—
1996	15,155	247	7,472	4,526	150	R 1,977	2,613	855	3,348	R 18,090	R 39,030	R 451	—	—	47,208	—	R 98,381	—
1997	14,744	240	6,962	4,313	151	R 1,272	2,761	887	2,273	R 21,218	R 39,836	R 470	—	—	47,957	—	R 99,755	—
1998	10,726	233	7,890	4,145	186	1,224	2,890	872	2,360	20,403	39,970	354	—	—	47,490	—	98,104	—
1999	10,088	241	4,996	5,061	201	1,188	2,920	741	2,285	21,023	38,416	342	—	—	46,059	—	90,244	—
Trillion Btu																		
1960	873.1	220.0	31.4	50.4	2.9	4.0	8.7	7.6	186.7	R 67.7	R 359.3	0.2	19.8	0.0	70.6	R 1,543.0	175.6	R 1,718.7
1965	1,053.3	296.1	41.2	67.8	4.9	5.5	14.7	7.8	185.0	R 84.1	R 411.0	0.2	25.8	0.0	99.2	R 1,885.5	236.9	R 2,122.4
1970	932.1	351.2	43.8	59.4	3.3	9.1	15.3	6.2	170.6	R 84.9	R 392.6	0.1	32.3	0.0	133.0	R 1,841.4	322.4	R 2,163.8
1975	743.1	269.8	37.6	64.3	6.8	12.8	13.7	5.8	137.9	R 94.0	R 372.8	(s)	36.3	0.0	140.8	R 1,562.8	339.5	R 1,902.4
1980	573.1	344.0	34.2	64.8	1.2	19.2	16.7	3.1	72.6	R 112.6	R 324.4	(s)	R 74.6	0.0	157.1	R 1,473.2	382.0	R 1,855.2
1985	359.2	238.7	32.6	33.6	2.0	16.7	15.2	6.7	16.5	R 95.3	R 218.5	(s)	R 87.4	0.0	145.1	R 1,048.9	340.9	R 1,389.7
1990	382.1	250.3	49.5	36.7	0.7	11.5	17.1	6.2	36.6	R 113.9	R 272.2	R f 3.0	R 41.6	f 0.0	156.9	R f 1,106.2	R 343.3	R f 1,449.5
1991	337.6	243.1	41.1	31.2	0.8	14.2	15.3	6.6	28.1	R 105.9	R 243.2	3.1	R 44.3	0.0	152.6	R 1,024.0	R 331.8	R 1,355.7
1992	369.2	248.7	40.1	36.5	0.8	19.3	15.6	7.1	26.4	R 122.4	R 268.1	4.6	R 54.3	0.0	153.1	R 1,097.9	R 326.5	R 1,424.4
1993	385.0	254.8	40.4	35.5	1.3	8.0	15.9	5.0	27.0	R 109.5	R 242.7	3.8	R 57.1	0.0	153.4	R 1,096.8	R 323.9	R 1,420.7
1994	392.4	248.3	50.5	30.0	1.4	6.8	16.6	R 4.7	25.9	R 113.7	R 249.7	4.1	R 61.0	0.0	157.2	R 1,112.7	328.1	R 1,440.8
1995	392.2	261.9	51.8	24.8	1.0	6.1	16.3	4.9	18.4	R 117.0	R 240.3	3.6	R 67.1	0.0	162.2	R 1,127.2	R 338.1	R 1,465.4
1996	398.4	255.2	49.6	26.4	0.8	R 7.1	15.8	4.5	21.0	R 105.1	R 230.4	4.7	R 94.4	0.0	161.1	R 1,144.1	R 335.7	R 1,479.8
1997	387.9	248.9	46.2	25.1	0.9	R 4.6	16.7	R 4.6	14.3	R 123.8	R 236.2	4.9	R 88.8	0.0	163.6	R 1,130.4	R 340.4	R 1,470.7
1998	280.6	241.5	52.4	24.1	1.1	4.4	17.5	4.5	14.8	119.1	238.0	3.7	53.3	0.0	162.0	979.1	334.7	1,313.8
1999	263.7	249.6	33.2	29.5	1.1	4.3	17.7	3.9	14.4	122.3	226.3	3.5	79.6	2.5	157.2	982.5	307.9	1,290.4

^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 "Additional Notes" under each type of energy in Appendix A.^c "Other" is the subtotal of 16 petroleum products. See a full description in Appendix A, Section 4, "Other Petroleum Products."^d "Other" is geothermal, wind, photovoltaic, and solar thermal energy. See Appendix A, Section 5, for 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.

kWh=kilowatthours. —=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 249. Transportation Energy Consumption Estimates, Selected Years 1960-1999, Pennsylvania

Year	Coal ^a	Natural Gas ^b	Petroleum								Ethanol ^c	Electricity ^a	Electrical System Energy Losses ^d	Total ^c	
			Aviation Gasoline ^a	Distillate Fuel ^a	Jet Fuel ^a	LPG ^a	Lubricants ^a	Motor Gasoline	Residual Fuel ^a	Total					
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels								Thousand Barrels	Million Kilowatthours	Net Energy	Million Kilowatthours	
1960	547	15	1,994	7,662	1,036	20	1,343	76,565	5,005	93,625	0	306	—	760	—
1965	127	19	1,922	8,900	3,406	60	1,121	81,658	4,554	101,622	0	232	—	553	—
1970	56	27	662	12,662	9,083	134	1,327	98,082	5,548	127,497	0	184	—	447	—
1975	5	18	426	16,566	8,469	157	1,094	106,357	5,788	138,857	0	194	—	467	—
1980	0	29	337	21,539	10,148	147	1,312	107,026	4,796	145,306	0	186	—	451	—
1985	0	33	208	20,087	10,126	249	1,194	100,255	2,139	134,258	e 0	365	—	859	—
1990	0	34	145	23,830	12,042	157	1,344	105,586	5,662	148,765	R 0	396	—	867	—
1991	0	34	116	23,801	11,355	188	1,202	105,272	5,713	147,647	R 0	399	—	R 868	—
1992	0	39	163	25,036	10,932	189	1,226	105,729	6,994	150,269	R 0	360	—	R 768	—
1993	0	36	150	27,385	11,787	196	1,248	108,924	6,082	155,772	R 217	345	—	729	—
1994	0	38	136	29,058	11,748	360	1,304	108,538	5,994	157,139	R 556	370	—	772	—
1995	0	38	125	30,520	12,313	188	1,282	111,261	4,843	160,533	R 1,730	379	—	R 791	—
1996	0	41	121	29,413	11,831	R 148	1,244	112,697	3,383	R 158,836	R 1,298	397	—	R 828	—
1997	0	39	107	31,312	14,813	R 117	1,314	113,608	4,674	R 165,944	R 1,437	376	—	R 782	—
1998	0	33	126	32,544	16,716	127	1,376	115,066	5,828	171,782	330	381	—	786	—
1999	0	36	205	33,929	15,943	97	1,390	116,491	6,007	174,061	283	392	—	768	—
Trillion Btu															
1960	14.0	15.6	10.1	44.6	5.7	0.1	8.1	402.2	31.5	502.3	0.0	1.0	533.0	2.6	535.6
1965	3.2	20.1	9.7	51.8	19.2	0.2	6.8	429.0	28.6	545.4	0.0	0.8	569.4	1.9	571.3
1970	1.3	27.5	3.3	73.8	51.4	0.5	8.0	515.2	34.9	687.1	0.0	0.6	716.7	1.5	718.2
1975	0.1	18.1	2.1	96.5	47.9	0.6	6.6	558.7	36.4	748.9	0.0	0.7	767.8	1.6	769.4
1980	0.0	30.1	1.7	125.5	57.4	0.5	8.0	562.2	30.2	785.4	0.0	0.6	816.2	1.5	817.7
1985	0.0	34.1	1.1	117.0	57.3	0.9	7.2	526.6	13.4	723.5	e 0.0	1.2	e 758.9	2.9	e 761.9
1990	0.0	35.7	0.7	138.8	68.2	0.6	8.1	554.6	35.6	806.7	R 0.0	1.4	843.7	3.0	846.6
1991	0.0	35.3	0.6	138.6	64.3	0.7	7.3	553.0	35.9	800.4	R 0.0	1.4	837.1	3.0	840.0
1992	0.0	39.9	0.8	145.8	61.9	0.7	7.4	555.4	44.0	816.0	R 0.0	1.2	857.2	2.6	859.8
1993	0.0	37.6	0.8	159.5	66.7	0.7	7.6	572.2	38.2	845.6	R 0.8	1.2	884.5	2.5	887.0
1994	0.0	39.3	0.7	169.3	66.5	1.3	7.9	R 567.7	37.7	R 851.0	R 2.0	1.3	R 891.6	2.6	R 894.3
1995	0.0	39.2	0.6	177.8	69.8	0.7	7.8	R 580.2	30.5	R 867.4	R 6.1	1.3	R 907.9	2.7	R 910.6
1996	0.0	42.1	0.6	171.3	67.1	0.5	7.5	R 587.8	21.3	R 856.2	R 4.6	1.4	R 899.6	2.8	R 902.4
1997	0.0	40.6	0.5	182.4	84.0	R 0.4	8.0	R 592.2	29.4	R 896.9	R 5.1	1.3	R 938.8	2.7	R 941.5
1998	0.0	33.7	0.6	189.6	94.8	0.5	8.3	599.7	36.6	930.1	1.2	1.3	965.2	2.7	967.9
1999	0.0	37.3	1.0	197.6	90.4	0.3	8.4	607.0	37.8	942.6	1.0	1.3	981.3	2.6	983.9

^a 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.

^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 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.

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

^e 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.

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 250. Estimates of Energy Input at Electric Utilities, Selected Years, 1960-1999, Pennsylvania

Year	Coal	Natural Gas ^a	Petroleum				Nuclear Electric Power	Hydroelectric Power ^e	Wood and Waste	Geothermal Energy	Other ^{b,f}	Total ^g
			Heavy Oil ^{b,c}	Light Oil ^{b,d}	Petroleum Coke ^b	Total						
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels				Million Kilowatthours					
1960	18,062	6	2,747	485	0	3,232	230	1,810	0	0	0	—
1965	23,182	1	3,351	591	0	3,943	313	1,313	0	0	0	—
1970	29,141	9	22,502	3,959	0	26,460	465	1,354	0	0	0	—
1975	36,659	1	10,273	3,419	0	13,691	15,869	1,575	0	0	0	—
1980	42,466	3	17,226	2,238	316	19,780	12,091	734	0	0	0	—
1985	41,713	2	11,622	1,423	782	13,827	26,232	971	0	0	0	—
1990	41,465	2	5,406	1,185	1,005	7,596	57,787	1,703	0	0	0	—
1991	40,662	2	5,153	907	986	7,046	57,476	656	0	0	0	—
1992	40,407	3	2,820	719	1,022	4,560	60,133	1,217	0	0	0	—
1993	40,257	8	6,758	845	932	8,535	59,331	1,124	0	0	0	—
1994	38,044	13	7,478	1,402	1,103	9,982	67,207	R 1,613	0	0	0	—
1995	39,252	25	3,770	1,256	1,310	6,336	66,462	R 459	0	0	0	—
1996	41,076	7	3,983	1,418	1,363	6,764	68,672	R 1,784	0	0	0	—
1997	42,602	7	2,576	907	1,318	4,801	67,655	R 1,220	0	0	0	—
1998	42,971	7	5,314	1,424	1,327	8,065	61,149	1,575	0	0	0	—
1999	34,558	10	4,426	1,171	719	6,316	70,885	1,163	0	0	0	—
Trillion Btu												
1960	423.3	6.2	17.3	2.8	0.0	20.1	2.7	19.5	0.0	0.0	0.0	471.7
1965	558.6	1.3	21.1	3.4	0.0	24.5	3.7	13.7	0.0	0.0	0.0	601.8
1970	680.2	9.7	141.5	23.1	0.0	164.5	5.1	14.2	0.0	0.0	0.0	873.7
1975	861.4	1.2	64.6	19.9	0.0	84.5	174.8	16.4	0.0	0.0	0.0	1,138.3
1980	1,026.7	2.9	108.3	13.0	1.9	123.2	131.9	7.6	0.0	0.0	0.0	1,292.3
1985	1,019.7	1.6	73.1	8.3	4.7	86.1	283.6	10.1	0.0	0.0	0.0	1,401.1
1990	1,012.3	2.4	34.0	6.9	6.1	46.9	617.2	17.7	0.0	0.0	0.0	1,696.6
1991	991.8	2.1	32.4	5.3	5.9	43.6	617.3	6.8	0.0	0.0	0.0	1,661.6
1992	998.1	3.2	17.7	4.2	6.2	28.1	642.1	12.6	0.0	0.0	0.0	1,684.0
1993	993.9	8.6	42.5	4.9	5.6	53.0	633.8	11.6	0.0	0.0	0.0	1,700.8
1994	936.4	13.1	47.0	8.2	6.6	61.8	717.5	R 16.6	0.0	0.0	0.0	R 1,745.9
1995	965.7	25.4	23.7	7.3	7.9	38.9	708.3	R 4.7	0.0	0.0	0.0	R 1,743.2
1996	1,009.4	7.4	25.0	8.3	8.2	41.5	729.5	R 18.4	0.0	0.0	0.0	R 1,806.8
1997	1,043.5	7.6	16.2	5.3	7.9	29.4	718.7	R 12.6	0.0	0.0	0.0	R 1,812.3
1998	1,055.5	7.1	33.4	8.3	8.0	49.7	649.6	16.3	0.0	0.0	0.0	1,776.4
1999	862.0	10.7	27.8	6.8	4.3	39.0	753.0	12.0	0.0	0.0	0.0	1,676.5

^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 "Additional Notes" under each type of energy in Appendix A.^c 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.^d 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.^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 appendix Table A8.

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.