

Table CT4. Residential sector energy consumption estimates, selected years, 1960-2023, Pennsylvania

Year	Coal ^a Thousand short tons	Natural gas ^b Billion cubic feet	Petroleum				Biomass Wood ^f	Geothermal ^g	Solar ^{g,h}	Electricity ⁱ Million kilowatthours	End use ^{g,j}	Electrical system energy losses ^k	Total ^{e,g,j}
			Distillate fuel oil ^c	HGL ^d	Kerosene	Total ^e							
1960	5,236	232	25,101	959	2,763	28,824	--	--	11,094	--	--	--	
1965	3,185	256	28,391	1,151	2,753	32,294	--	--	14,807	--	--	--	
1970	2,028	297	31,242	1,612	3,368	36,222	--	--	23,007	--	--	--	
1975	561	273	31,587	1,799	2,023	35,409	--	--	27,678	--	--	--	
1980	329	288	27,838	1,355	2,362	31,556	--	--	31,767	--	--	--	
1985	280	245	24,185	1,961	2,853	28,999	--	--	32,686	--	--	--	
1990	262	240	20,207	2,160	1,377	23,744	--	--	38,164	--	--	--	
1995	154	262	20,307	2,635	2,064	25,006	--	--	42,802	--	--	--	
2000	82	263	20,910	3,829	2,790	27,530	--	--	45,008	--	--	--	
2005	50	245	19,896	3,937	1,822	25,654	--	--	53,661	--	--	--	
2006	56	206	16,902	3,897	1,420	22,219	--	--	51,790	--	--	--	
2007	72	231	17,139	4,509	945	22,593	--	--	54,587	--	--	--	
2008	0	229	26,532	5,181	492	32,205	--	--	54,060	--	--	--	
2009	0	228	13,305	5,617	686	19,608	--	--	52,906	--	--	--	
2010	0	224	14,793	5,418	743	20,954	--	--	55,253	--	--	--	
2011	0	219	13,963	5,085	454	19,502	--	--	54,796	--	--	--	
2012	0	197	12,273	4,334	190	16,797	--	--	52,876	--	--	--	
2013	0	232	13,759	4,865	203	18,828	--	--	54,252	--	--	--	
2014	0	255	15,798	5,196	358	21,352	--	--	54,195	--	--	--	
2015	0	236	15,062	4,746	238	20,047	--	--	54,419	--	--	--	
2016	0	216	12,689	4,402	267	17,358	--	--	53,877	--	--	--	
2017	0	219	12,376	4,600	162	17,139	--	--	51,724	--	--	--	
2018	0	253	14,948	5,407	164	20,519	--	--	55,896	--	--	--	
2019	0	237	11,576	6,184	186	17,946	--	--	54,396	--	--	--	
2020	0	221	10,302	4,849	176	15,328	--	--	55,307	--	--	--	
2021	0	226	13,009	4,898	187	18,094	--	--	55,945	--	--	--	
2022	0	237	13,574	4,886	173	18,633	--	--	56,413	--	--	--	
2023	0	207	12,751	4,475	298	17,524	--	--	52,328	--	--	--	

Trillion Btu

1960	129.5	240.2	146.2	3.7	15.7	165.6	26.1	NA	NA	37.9	599.2	76.3	675.5
1965	77.6	265.3	165.4	4.4	15.6	185.4	21.2	NA	NA	50.5	600.0	99.4	699.4
1970	47.8	306.8	182.0	6.2	19.1	207.3	20.5	NA	NA	78.5	660.8	160.8	821.6
1975	12.6	279.5	184.0	6.9	11.5	202.4	20.8	NA	NA	94.4	609.7	192.8	802.5
1980	7.6	294.7	162.2	5.2	13.4	180.8	53.3	NA	NA	108.4	643.5	230.6	874.1
1985	6.6	253.2	140.9	7.5	16.2	164.6	49.6	NA	NA	111.5	585.5	226.6	812.1
1990	6.6	249.5	117.7	8.3	7.8	133.8	26.0	0.2	0.4	130.2	546.6	284.7	831.3
1995	3.8	271.4	118.2	10.1	11.7	140.0	23.4	0.2	0.5	146.0	585.4	329.0	914.4
2000	2.2	272.0	121.7	14.7	15.8	152.2	13.6	0.3	0.4	153.6	594.1	352.6	946.7
2005	1.3	255.0	115.8	15.1	10.3	141.2	15.4	0.6	0.4	183.1	596.9	402.6	999.6
2006	1.4	213.8	98.1	15.0	8.0	121.1	13.7	0.6	0.5	176.7	527.8	381.5	909.3
2007	1.8	240.2	99.1	17.3	5.4	121.8	15.1	0.8	0.5	186.3	566.5	394.0	960.5
2008	0.0	238.2	153.4	19.9	2.8	176.0	16.9	0.9	0.6	184.5	617.1	392.5	1,009.6
2009	0.0	236.8	76.9	21.6	3.9	102.3	24.1	1.2	0.6	180.5	545.5	370.0	915.5
2010	0.0	231.9	85.4	20.8	4.2	110.5	25.9	1.3	0.7	188.5	558.7	381.7	940.4
2011	0.0	228.1	80.6	19.5	2.6	102.7	25.1	1.3	0.9	187.0	544.9	372.6	917.5
2012	0.0	206.0	70.8	16.6	1.1	88.5	21.0	1.3	0.9	180.4	498.1	358.9	857.1
2013	0.0	243.5	R 79.4	18.7	1.2	R 99.3	27.3	1.3	1.0	185.1	R 557.6	365.6	R 923.1
2014	0.0	267.7	R 91.2	20.0	2.0	R 113.2	27.7	1.3	1.0	184.9	R 595.9	364.2	R 960.0
2015	0.0	247.1	R 87.0	18.2	1.4	R 106.5	34.9	1.3	1.0	185.7	R 576.5	361.6	R 938.1
2016	0.0	224.8	R 73.3	16.9	1.5	R 91.7	28.3	1.3	1.1	183.8	R 531.1	356.5	R 887.6
2017	0.0	228.2	R 71.4	17.7	0.9	R 90.0	R 27.9	1.3	1.3	176.5	R 525.2	334.4	R 859.6
2018	0.0	262.7	R 86.3	20.8	0.9	R 108.0	R 35.4	1.3	1.5	190.7	R 599.6	353.2	R 952.8
2019	0.0	245.9	R 66.8	23.8	1.1	R 91.6	R 33.5	1.3	1.7	185.6	R 559.7	321.6	R 881.3
2020	0.0	230.1	R 59.4	18.6	1.0	R 79.1	R 25.8	1.3	1.9	188.7	R 526.9	309.9	R 836.8
2021	0.0	235.2	R 75.1	18.8	1.1	94.9	R 26.7	1.3	2.1	190.9	R 551.2	309.5	R 860.7
2022	0.0	246.5	R 78.3	18.8	1.0	R 98.1	R 33.7	1.3	2.5	192.5	R 574.3	R 313.3	R 887.7
2023	0.0	214.4	73.6	17.2	1.7	92.4	28.6	1.3	3.1	178.5	517.6	282.7	800.3

^a Beginning in 2008, data are no longer collected and are assumed to be zero.
^b Includes supplemental gaseous fuels that are commingled with natural gas.
^c Beginning in 2013, includes biodiesel blended into distillate fuel oil.
^d Hydrocarbon gas liquids, assumed to be propane only.
^e Wood and wood-derived fuels.
^f Beginning in 2021, includes small amounts of other petroleum products (biofuels product supplied) not shown separately.
^g There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
^h Solar thermal and photovoltaic energy. Includes solar thermal energy consumed as heat by the commercial and industrial sectors.
ⁱ Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers.
^j Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and

the other fossil fuels from which they are mostly derived, but should be counted only once in End use and Total.
^k Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses. Pre-1990 estimates are not comparable to those for later years. See Section 6 of technical notes for an explanation of changes in methodology.
 -- = Not applicable. NA = Not available.
 Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
 Notes: · Totals may not equal sum of components due to independent rounding. · 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.
 Web page: All data are available at <https://www.eia.gov/state/seds/seds-data-complete.php>.
 Data source: U.S. Energy Information Administration, State Energy Data System. See technical notes. <https://www.eia.gov/state/seds/>