Table CT4. Residential sector energy consumption estimates, selected years, 1960-2024, Massachusetts

Year	Coal [a]	Natural gas [b]	Petroleum				Biomass	Geothermal [g]	Solar [g,h]	Electricity [i]	End use [g,j]	Electrical system energy losses [k]	Total [e,g,j]
			Distillate fuel oil [c]	HGL [d]	Kerosene	Total [e]							
	Thousand short tons	Billion cubic feet	Thousand barrels				Wood [f]			Million kilowatthours			
1960	487	45	34,305	631	4,858	39,794	– –	– –	– –	4,190	– –	– –	– –
1965	210	65	37,082	777	2,682	40,541	– –	– –	– –	5,766	– –	– –	– –
1970	104	83	38,530	784	1,434	40,748	– –	– –	– –	9,335	– –	– –	– –
1975	30	90	37,860	845	591	39,295	– –	– –	– –	10,648	– –	– –	– –
1980	21	94	22,712	567	323	23,602	– –	– –	– –	11,571	– –	– –	– –
1985	30	98	20,064	858	577	21,499	– –	– –	– –	12,907	– –	– –	– –
1990	13	107	20,540	1,141	163	21,843	– –	– –	– –	15,581	– –	– –	– –
1995	4	106	20,064	1,218	130	21,412	– –	– –	– –	15,993	– –	– –	– –
2000	2	114	20,445	1,582	191	22,217	– –	– –	– –	17,562	– –	– –	– –
2005	3	119	18,425	1,698	299	20,422	– –	– –	– –	20,539	– –	– –	– –
2006	1	104	15,645	1,735	238	17,619	– –	– –	– –	19,624	– –	– –	– –
2007	2	115	15,882	1,794	161	17,837	– –	– –	– –	20,138	– –	– –	– –
2008	0	133	15,793	1,920	63	17,775	– –	– –	– –	19,638	– –	– –	– –
2009	0	133	14,276	1,795	99	16,170	– –	– –	– –	19,475	– –	– –	– –
2010	0	126	14,593	1,685	100	16,378	– –	– –	– –	21,409	– –	– –	– –
2011	0	129	14,210	1,989	62	16,261	– –	– –	– –	20,473	– –	– –	– –
2012	0	115	11,922	1,556	29	13,507	– –	– –	– –	20,313	– –	– –	– –
2013	0	117	12,856	1,864	30	14,750	– –	– –	– –	20,728	– –	– –	– –
2014	0	127	14,584	2,117	52	16,753	– –	– –	– –	20,071	– –	– –	– –
2015	0	127	14,465	1,979	44	16,488	– –	– –	– –	20,175	– –	– –	– –
2016	0	112	11,231	1,966	52	13,249	– –	– –	– –	19,693	– –	– –	– –
2017	0	121	12,279	2,118	36	14,434	– –	– –	– –	19,338	– –	– –	– –
2018	0	130	13,315	2,250	35	15,601	– –	– –	– –	20,285	– –	– –	– –
2019	0	135	13,161	2,694	43	15,898	– –	– –	– –	19,315	– –	– –	– –
2020	0	120	11,817	2,249	49	14,115	– –	– –	– –	20,345	– –	– –	– –
2021	0	123	12,432	2,105	37	14,575	– –	– –	– –	20,305	– –	– –	– –
2022	0	132	12,268	2,065	33	14,365	– –	– –	– –	20,007	– –	– –	– –
2023	0	110	R 12,365	1,986	60	R 14,411	– –	– –	– –	19,366	– –	– –	– –
2024	0	112	12,251	2,213	48	14,511	– –	– –	– –	19,993	– –	– –	– –
			Trillion Btu										
1960	12.1	46.6	199.8	2.4	27.5	229.8	8.5	NA	NA	14.3	311.4	28.8	340.2
1965	5.2	65.7	216.0	3.0	15.2	234.2	7.6	NA	NA	19.7	332.3	38.7	371.0
1970	2.5	83.6	224.4	3.0	8.1	235.6	9.2	NA	NA	31.8	362.7	65.2	427.9
1975	0.7	90.6	220.5	3.2	3.3	227.1	9.8	NA	NA	36.3	364.6	74.2	438.7
1980	0.5	96.0	132.3	2.2	1.8	136.3	42.0	NA	NA	39.5	306.1	84.0	390.1
1985	0.7	100.1	116.9	3.3	3.3	123.4	29.4	NA	NA	44.0	296.0	89.5	385.5
1990	0.3	110.6	119.6	4.4	0.9	124.9	18.1	0.0	0.2	53.2	307.1	121.5	428.7
1995	0.1	108.5	116.8	4.7	0.7	122.2	19.5	0.0	0.2	54.6	305.0	123.9	428.9
2000	(s)	119.1	119.0	6.1	1.1	126.1	14.3	(s)	0.2	59.9	319.7	136.5	456.2
2005	0.1	120.4	107.2	6.5	1.7	115.4	3.6	(s)	0.2	70.1	309.7	135.8	445.5
2006	(s)	104.9	90.8	6.7	1.4	98.8	3.2	(s)	0.2	67.0	274.1	130.3	404.3
2007	0.1	117.0	91.9	6.9	0.9	99.7	3.5	(s)	0.2	68.7	289.2	131.2	420.4
2008	0.0	134.5	91.3	7.4	0.4	99.0	3.9	(s)	0.2	67.0	304.8	121.6	426.4
2009	0.0	137.0	82.5	6.9	0.6	89.9	10.2	(s)	0.3	66.4	303.8	115.2	419.1
2010	0.0	129.8	84.3	6.5	0.6	91.3	10.9	0.1	0.3	73.0	305.5	126.0	431.5
2011	0.0	132.9	82.0	7.6	0.3	90.0	10.6	(s)	0.3	69.9	303.7	113.6	417.3
2012	0.0	119.2	68.8	6.0	0.2	74.9	8.9	0.1	0.4	69.3	272.7	123.1	395.8
2013	0.0	120.7	74.2	7.2	0.2	81.6	11.6	0.1	0.5	70.7	285.1	127.0	412.0
2014	0.0	129.9	84.2	8.1	0.3	92.6	11.7	0.1	0.7	68.5	303.5	123.5	427.0
2015	0.0	130.4	83.5	7.6	0.3	91.4	10.5	0.1	1.0	68.8	302.1	122.8	424.9
2016	0.0	115.5	64.8	7.6	0.3	72.7	8.4	0.1	1.7	67.2	265.5	117.5	383.0
2017	0.0	124.8	70.9	8.1	0.2	79.2	8.3	0.1	2.2	66.0	280.5	112.8	393.4
2018	0.0	134.3	76.9	8.6	0.2	85.7	8.3	0.1	2.8	69.2	300.3	113.7	414.0
2019	0.0	139.3	76.0	10.3	0.2	86.5	10.2	0.1	2.9	65.9	304.9	109.1	414.0
2020	0.0	123.9	68.2	8.6	0.3	77.1	9.4	0.1	3.2	69.4	283.1	105.5	388.6
2021	0.0	126.5	71.7	8.1	0.2	80.0	9.8	0.1	3.3	69.3	288.9	106.8	395.7
2022	0.0	135.5	70.8	7.9	0.2	78.9	12.3	0.1	4.9	68.3	299.9	98.6	398.5
2023	0.0	113.1	R 71.3	7.6	0.3	R 79.3	10.5	0.1	5.4	66.1	R 274.4	R 96.8	R 371.2
2024	0.0	115.6	70.7	8.5	0.3	79.5	9.8	0.1	6.1	68.2	279.1	99.9	379.0

[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.
[f] Wood and wood-derived fuels.
[e] 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/