Table CT5. Commercial sector energy consumption estimates, selected years, 1960-2024, Massachusetts

Year	Coal	Natural gas [a]	Petroleum						Hydro-electric power [f,g]	Biomass	Geothermal [g]	Solar [g,i]	Electricity [j]	End use [g,k]	Electrical system energy losses [l]	Total [e,g,k]
			Distillate fuel oil [b]	HGL [c]	Kerosene	Motor gasoline [d]	Residual fuel oil	Total [e]		Wood and waste [g,h]						
	Thousand short tons	Billion cubic feet	Thousand barrels						Million kilowatthours			Million kilowatthours				
1960	338	10	11,965	253	404	135	10,036	22,792	NA	– –	– –	NA	3,011	– –	– –	– –
1965	159	16	12,933	311	223	92	14,503	28,062	NA	– –	– –	NA	4,302	– –	– –	– –
1970	82	35	13,438	314	119	102	14,872	28,845	NA	– –	– –	NA	7,782	– –	– –	– –
1975	71	38	13,204	338	49	109	9,122	22,823	NA	– –	– –	NA	11,397	– –	– –	– –
1980	79	53	7,510	227	30	191	4,854	12,812	NA	– –	– –	NA	13,047	– –	– –	– –
1985	107	41	6,369	344	108	188	3,157	10,165	NA	– –	– –	NA	15,566	– –	– –	– –
1990	50	51	7,409	457	127	69	4,473	12,535	0	– –	– –	(s)	19,520	– –	– –	– –
1995	23	82	6,478	488	110	65	3,069	10,211	0	– –	– –	(s)	20,255	– –	– –	– –
2000	14	64	5,205	634	107	279	1,388	7,613	0	– –	– –	1	23,439	– –	– –	– –
2005	40	57	4,712	766	78	58	2,663	8,277	(s)	– –	– –	2	26,415	– –	– –	– –
2006	15	52	3,265	726	39	73	1,170	5,272	5	– –	– –	3	26,237	– –	– –	– –
2007	21	62	3,253	647	25	80	835	4,840	6	– –	– –	4	27,148	– –	– –	– –
2008	0	72	2,434	750	20	79	953	4,236	6	– –	– –	6	26,582	– –	– –	– –
2009	0	72	3,167	647	17	81	704	4,616	6	– –	– –	12	17,775	– –	– –	– –
2010	0	72	5,438	582	47	48	552	6,666	5	– –	– –	30	18,243	– –	– –	– –
2011	0	81	3,593	645	6	146	340	4,730	6	– –	– –	55	17,767	– –	– –	– –
2012	0	73	2,266	590	1	43	220	3,120	5	– –	– –	153	17,723	– –	– –	– –
2013	0	100	2,336	729	2	47	222	3,337	6	– –	– –	284	17,713	– –	– –	– –
2014	0	106	2,639	802	13	46	134	3,634	5	– –	– –	469	26,076	– –	– –	– –
2015	0	105	2,692	736	13	1,388	51	4,879	6	– –	– –	613	26,200	– –	– –	– –
2016	0	105	1,472	561	14	1,400	31	3,477	3	– –	– –	782	25,934	– –	– –	– –
2017	0	109	1,687	563	10	1,416	24	3,700	4	– –	– –	905	25,968	– –	– –	– –
2018	0	119	1,597	892	9	1,407	13	3,918	4	– –	– –	1,280	25,952	– –	– –	– –
2019	0	122	1,708	792	14	1,416	20	3,950	6	– –	– –	1,273	25,337	– –	– –	– –
2020	0	110	1,274	946	17	1,429	33	3,699	5	– –	– –	1,390	23,121	– –	– –	– –
2021	0	103	2,355	1,041	10	1,445	19	4,871	6	– –	– –	1,572	23,832	– –	– –	– –
2022	0	117	2,294	995	9	1,598	20	4,916	5	– –	– –	1,955	24,444	– –	– –	– –
2023	0	107	R 2,313	879	17	1,519	16	R 4,745	5	– –	– –	2,078	24,276	– –	– –	– –
2024	0	105	2,343	1,090	13	1,257	18	4,721	3	– –	– –	2,277	23,489	– –	– –	– –
			Trillion Btu													
1960	8.4	10.6	69.7	1.0	2.3	0.7	63.1	136.8	NA	0.2	NA	NA	10.3	166.2	20.7	186.9
1965	3.9	16.5	75.3	1.2	1.3	0.5	91.2	169.5	NA	0.1	NA	NA	14.7	204.7	28.9	233.6
1970	1.9	35.8	78.3	1.2	0.7	0.5	93.5	174.2	NA	0.2	NA	NA	26.6	238.6	54.4	293.0
1975	1.6	38.0	76.9	1.3	0.3	0.6	57.4	136.4	NA	0.2	NA	NA	38.9	215.0	79.4	294.4
1980	1.8	54.3	43.7	0.9	0.2	1.0	30.5	76.3	NA	1.0	NA	NA	44.5	173.5	94.7	268.2
1985	2.5	42.4	37.1	1.3	0.6	1.0	19.8	59.9	NA	0.7	NA	NA	53.1	157.9	107.9	265.8
1990	1.3	52.4	43.2	1.8	0.7	0.4	28.1	74.1	0.0	2.0	(s)	(s)	66.6	196.3	152.3	348.6
1995	0.6	84.4	37.7	1.9	0.6	0.3	19.3	59.8	0.0	2.7	0.1	(s)	69.1	216.6	157.0	373.6
2000	0.4	66.6	30.3	2.4	0.6	1.5	8.7	43.5	0.0	3.1	0.2	(s)	80.0	193.8	182.2	376.0
2005	1.0	57.5	27.4	2.9	0.4	0.3	16.7	47.8	(s)	1.5	0.5	(s)	90.1	198.4	174.7	373.1
2006	0.4	52.8	18.9	2.8	0.2	0.4	7.4	29.7	(s)	1.5	0.5	(s)	89.5	174.4	174.2	348.6
2007	0.5	62.5	18.8	2.5	0.1	0.4	5.3	27.1	(s)	1.6	0.5	(s)	92.6	184.9	176.9	361.8
2008	0.0	73.2	14.1	2.9	0.1	0.4	6.0	23.5	(s)	0.6	0.5	(s)	90.7	188.6	164.6	353.2
2009	0.0	73.7	18.3	2.5	0.1	0.4	4.4	25.7	(s)	1.4	0.6	(s)	60.6	162.2	105.2	267.4
2010	0.0	74.5	31.4	2.2	0.3	0.2	3.5	37.6	(s)	1.4	0.7	0.1	62.2	176.6	107.4	284.0
2011	0.0	83.4	20.7	2.5	(s)	0.7	2.1	26.1	(s)	1.4	0.9	0.2	60.6	172.7	98.5	271.2
2012	0.0	75.5	13.1	2.3	(s)	0.2	1.4	16.9	(s)	1.2	0.8	0.5	60.5	155.5	107.4	262.9
2013	0.0	103.0	13.5	2.8	(s)	0.2	1.4	17.9	(s)	1.4	0.8	1.0	60.4	184.7	108.5	293.2
2014	0.0	108.3	15.2	3.1	0.1	0.2	0.8	19.5	(s)	1.4	0.8	1.6	89.0	220.7	160.5	381.1
2015	0.0	108.3	15.5	2.8	0.1	7.0	0.3	25.8	(s)	1.4	0.8	2.1	89.4	227.8	159.4	387.2
2016	0.0	108.0	8.5	2.2	0.1	7.1	0.2	18.0	(s)	2.3	0.8	2.7	88.5	220.3	154.8	375.1
2017	0.0	112.7	9.7	2.2	0.1	7.2	0.2	19.3	(s)	2.3	0.8	3.1	88.6	226.9	151.5	378.4
2018	0.0	122.4	9.2	3.4	0.1	7.1	0.1	19.9	(s)	2.1	0.8	4.4	88.5	238.2	145.5	383.7
2019	0.0	125.3	9.9	3.0	0.1	7.2	0.1	20.3	(s)	2.3	0.8	4.3	86.4	239.6	143.1	382.7
2020	0.0	112.9	7.3	3.6	0.1	7.2	0.2	18.5	(s)	2.8	0.8	4.7	78.9	218.7	119.8	338.6
2021	0.0	106.4	13.6	4.0	0.1	7.3	0.1	25.1	(s)	2.8	0.8	5.4	81.3	221.8	125.3	347.1
2022	0.0	120.2	13.2	3.8	0.1	8.1	0.1	25.3	(s)	10.1	0.8	6.7	83.4	246.6	120.5	367.1
2023	0.0	110.1	13.3	3.4	0.1	7.7	0.1	R 24.6	(s)	10.1	0.8	7.1	82.8	R 235.6	121.3	356.8
2024	0.0	107.7	13.5	4.2	0.1	6.3	0.1	24.2	(s)	10.1	0.8	7.8	80.1	230.8	117.3	348.1

[a] Includes supplemental gaseous fuels that are commingled with natural gas.
[b] Beginning in 2013, includes biodiesel blended into distillate fuel oil.
[c] Hydrocarbon gas liquids, assumed to be propane only.
[d] Beginning in 1993, includes fuel ethanol blended into motor gasoline. There is a discontinuity in this time series between 2014 and 2015 because of coverage. See technical notes, Section 4.
[e] Includes small amounts of petroleum coke and, beginning in 2021 other petroleum products (biofuels product supplied), not shown separately.
[f] Conventional hydroelectric power. For 1960 through 1989, includes hydroelectric pumped-storage, which cannot be separately identified.
[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] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[i] Solar thermal and photovoltaic energy. Excludes a small amount of solar thermal energy consumed as heat that is included in the residential sector.
[j] Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers.
[k] 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. For 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 2009, includes a small amount of wind energy consumed by commercial utility-scale facilities.
[l] 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 commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. · 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/