Table CT3. Total end-use sector energy consumption estimates, selected years, 1960-2024, Massachusetts

Year	Coal	Natural gas [a]	Petroleum							Hydro-electric power [g,h]	Biomass		Geo-thermal [h]	Solar [h,k]	Electricity [l]	End use [h,m]	Electrical system energy losses [n]	Total [h,m]
			Distillate fuel oil [b]	HGL [c]	Jet fuel [d]	Motor gasoline [e]	Residual fuel oil	Other [f]	Total		Wood and waste [h,i]	Losses and co-products [j]						
	Thousand short tons	Billion cubic feet	Thousand barrels							Million kilowatt-hours					Million kilowatt-hours			
1960	2,113	67	50,963	1,148	1,209	34,993	29,118	11,024	128,455	117	– –	– –	– –	– –	12,381	– –	– –	– –
1970	335	142	58,063	1,820	7,864	49,527	43,829	7,015	168,117	72	– –	– –	– –	– –	24,639	– –	– –	– –
1980	198	178	37,006	2,125	8,563	51,443	8,417	4,052	111,607	63	– –	– –	– –	– –	33,271	– –	– –	– –
1990	136	203	37,991	2,631	9,806	56,125	8,442	3,354	118,349	11	– –	– –	– –	– –	45,442	– –	– –	– –
2000	71	255	36,643	2,923	8,204	65,029	3,025	3,850	119,675	12	– –	– –	– –	– –	51,773	– –	– –	– –
2005	111	226	37,287	2,875	9,025	68,048	4,075	3,018	124,329	(s)	– –	– –	– –	– –	57,228	– –	– –	– –
2006	93	202	32,487	3,681	8,387	68,400	2,660	3,012	118,626	9	– –	– –	– –	– –	55,850	– –	– –	– –
2007	109	225	32,380	3,362	8,235	70,647	2,084	2,345	119,053	19	– –	– –	– –	– –	57,139	– –	– –	– –
2008	84	252	30,681	2,878	11,060	68,020	1,643	1,457	115,739	14	– –	– –	– –	– –	55,884	– –	– –	– –
2009	50	246	29,219	2,574	6,205	66,453	1,397	3,372	109,220	15	– –	– –	– –	– –	54,359	– –	– –	– –
2010	66	246	32,298	2,387	R 8,581	66,604	955	3,549	R 114,375	10	– –	– –	– –	– –	57,123	– –	– –	– –
2011	62	263	30,630	2,835	R 8,650	66,015	779	3,414	R 112,322	12	– –	– –	– –	– –	55,570	– –	– –	– –
2012	61	237	25,564	2,388	R 8,601	65,485	499	3,136	R 105,672	9	– –	– –	– –	– –	55,313	– –	– –	– –
2013	59	267	29,748	2,858	R 8,824	65,312	445	3,432	R 110,619	9	– –	– –	– –	– –	55,265	– –	– –	– –
2014	57	287	28,678	3,195	R 9,293	64,226	246	3,727	R 109,366	11	– –	– –	– –	– –	54,469	– –	– –	– –
2015	45	288	29,590	2,952	R 9,829	66,309	162	3,675	R 112,518	10	– –	– –	– –	– –	54,621	– –	– –	– –
2016	4	272	25,004	2,751	R 11,418	67,054	246	3,729	R 110,202	4	– –	– –	– –	– –	53,476	– –	– –	– –
2017	4	286	25,486	2,913	R 12,292	65,943	373	3,629	R 110,637	10	– –	– –	– –	– –	52,513	– –	– –	– –
2018	4	305	27,073	3,317	R 12,680	66,415	144	3,418	R 113,047	4	– –	– –	– –	– –	53,285	– –	– –	– –
2019	3	317	26,784	3,670	R 13,660	65,279	242	3,298	R 112,933	6	– –	– –	– –	– –	51,337	– –	– –	– –
2020	0	284	24,541	3,398	R 5,638	52,176	49	R 3,286	R 89,088	5	– –	– –	– –	– –	50,009	– –	– –	– –
2021	0	281	26,080	3,351	R 7,660	58,366	255	R 3,576	R 99,288	6	– –	– –	– –	– –	50,798	– –	– –	– –
2022	0	304	26,003	3,253	R 10,867	58,443	261	R 3,926	R 102,754	5	– –	– –	– –	– –	50,983	– –	– –	– –
2023	0	268	R 25,536	3,054	R 11,744	59,057	217	R 3,472	R 103,081	5	– –	– –	– –	– –	50,012	– –	– –	– –
2024	0	269	24,766	3,494	13,064	60,062	235	3,527	105,148	3	– –	– –	– –	– –	49,419	– –	– –	– –
			Trillion Btu															
1960	54.3	69.4	296.9	4.4	6.7	183.8	183.1	64.8	739.6	0.4	42.8	NA	NA	NA	42.2	948.8	85.2	1,034.0
1970	8.0	143.3	338.2	6.9	44.5	260.2	275.5	42.4	967.7	0.2	57.1	NA	NA	NA	84.1	1,260.5	172.2	1,432.7
1980	4.8	180.4	215.6	7.8	48.4	270.2	52.9	24.1	619.0	0.2	70.9	NA	NA	NA	113.5	973.5	241.5	1,215.0
1990	3.4	210.1	221.3	9.7	55.5	294.8	53.1	20.4	654.8	(s)	27.7	0.0	(s)	0.2	155.0	1,051.0	354.5	1,405.5
2000	1.9	266.6	213.2	11.0	46.5	338.2	19.0	23.7	651.7	(s)	24.1	0.0	0.2	0.2	176.6	1,121.3	402.4	1,523.7
2005	2.9	228.9	216.9	10.9	51.2	353.3	25.6	18.5	676.4	(s)	8.6	0.0	0.5	0.2	195.3	1,112.9	378.5	1,491.4
2006	2.4	203.7	188.5	13.6	47.6	354.7	16.7	18.7	639.8	(s)	8.8	0.0	0.5	0.2	190.6	1,046.4	370.8	1,417.1
2007	2.8	229.0	187.3	12.5	46.7	363.3	13.1	14.3	637.2	0.1	9.4	0.0	0.5	0.2	195.0	1,074.7	372.3	1,447.0
2008	2.2	255.0	177.3	11.0	62.7	347.3	10.3	8.6	617.3	(s)	8.7	0.0	0.6	0.3	190.7	1,075.2	346.1	1,421.3
2009	1.3	253.2	168.8	9.8	35.2	338.2	8.8	21.4	582.3	0.1	15.5	(s)	0.7	0.3	185.5	1,038.8	321.7	1,360.5
2010	1.8	254.7	186.5	9.2	R 48.7	337.5	6.0	22.6	R 610.4	(s)	18.3	(s)	0.8	0.4	194.9	R 1,081.3	336.3	R 1,417.6
2011	1.6	270.9	176.7	10.9	R 49.0	334.2	4.9	21.8	R 597.6	(s)	19.7	(s)	1.0	0.5	189.6	R 1,081.0	308.2	R 1,389.2
2012	1.7	244.8	147.4	9.2	R 48.8	331.5	3.1	20.1	R 560.1	(s)	17.7	(s)	0.9	0.9	188.7	R 1,014.8	335.2	R 1,350.0
2013	1.6	275.5	171.6	11.0	R 50.0	330.5	2.8	21.7	R 587.5	(s)	20.7	(s)	0.9	1.5	188.6	R 1,076.3	338.5	R 1,414.8
2014	1.5	293.7	165.4	12.3	R 52.7	324.9	1.5	23.5	R 580.4	(s)	20.6	(s)	0.9	2.4	185.8	R 1,085.4	335.2	R 1,420.6
2015	1.2	296.0	170.7	11.3	R 55.7	335.3	1.0	23.2	R 597.2	(s)	19.4	(s)	0.9	3.2	186.4	R 1,104.3	332.4	R 1,436.7
2016	0.1	279.7	144.1	10.6	R 64.7	339.0	1.5	23.5	R 583.5	(s)	18.2	(s)	0.9	4.6	182.5	R 1,069.5	319.1	R 1,388.6
2017	0.1	294.6	146.9	11.2	R 69.7	333.2	2.3	23.0	R 586.3	(s)	14.1	(s)	0.9	5.5	179.2	R 1,080.7	306.4	R 1,387.1
2018	0.1	314.2	156.1	12.7	R 71.9	335.7	0.9	21.6	R 598.9	(s)	13.7	(s)	0.9	7.4	181.8	R 1,117.1	298.7	R 1,415.8
2019	0.1	326.7	154.4	14.1	R 77.5	329.8	1.5	20.8	R 598.1	(s)	15.7	(s)	0.9	7.6	175.2	R 1,124.2	290.0	R 1,414.2
2020	0.0	292.8	141.4	13.1	R 32.0	263.6	0.3	20.8	R 471.2	(s)	15.4	(s)	0.9	8.3	170.6	R 959.2	259.2	R 1,218.4
2021	0.0	289.5	150.4	12.9	43.4	294.7	1.6	22.6	525.6	(s)	15.7	(s)	0.9	9.0	173.3	1,014.1	267.1	1,281.2
2022	0.0	313.6	150.0	12.5	61.6	295.1	1.6	R 24.6	545.4	(s)	R 26.9	(s)	0.9	12.0	174.0	R 1,072.9	251.4	R 1,324.3
2023	0.0	275.7	R 147.3	11.7	R 66.6	298.2	1.4	R 21.6	R 546.8	(s)	R 25.1	(s)	0.9	13.0	170.6	R 1,032.1	R 249.9	R 1,282.0
2024	0.0	277.4	142.8	13.4	74.1	303.3	1.5	22.1	557.2	(s)	24.3	(s)	0.9	14.2	168.6	1,042.7	246.8	1,289.5

[a] Includes supplemental gaseous fuels that are commingled with natural gas.
[b] Beginning in 2009, includes biodiesel blended into distillate fuel oil. Beginning in 2011, includes renewable diesel blended into distillate fuel oil. Excludes biofuels product supplied.
[c] Hydrocarbon gas liquids, include natural gas liquids and refinery olefins.
[d] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other petroleum."
[e] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[f] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, petroleum coke, and the "other petroleum products" category. See technical notes, Section 4.
[g] Conventional hydroelectric power. For 1960 through 1989, includes hydroelectric pumped-storage, which cannot be separately identified.
[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.
[i] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[j] Losses and co-products from the production of biodiesel and fuel ethanol.
[k] Solar thermal and photovoltaic energy.
[l] Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers.
[m] 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 the commercial and industrial sectors. Beginning in 2021, adjusted for the double-counting of biofuels product supplied.
[n] 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: · Total end-use sector consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation sectors. · 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/