

M A S S A C H U S E T T S Table CT7. Transportation sector energy consumption estimates, selected years, 1960-2022, Massachusetts

Year	Coal Thousand short tons	Natural gas ^a Billion cubic feet	Petroleum								Electricity ^f Million kilowatthours	End use ^{g,h}	Electrical system energy losses ⁱ	Total ^{g,h}
			Aviation gasoline	Distillate fuel oil ^b	HGL ^c	Jet fuel ^d	Lubricants	Motor gasoline ^e	Residual fuel oil	Total				
			Thousand barrels											
1960	22	(s)	968	2,371	4	1,209	443	34,725	1,207	40,927	105	--	--	--
1965	2	(s)	1,702	2,632	22	3,166	408	39,454	2,472	49,856	105	--	--	--
1970	(s)	1	276	3,198	29	7,864	441	49,314	3,215	64,336	105	--	--	--
1975	(s)	1	228	4,485	33	7,967	433	54,440	1,049	68,634	105	--	--	--
1980	0	1	274	4,900	26	8,563	463	51,161	900	66,287	167	--	--	--
1985	0	1	134	7,600	70	6,984	422	54,292	874	70,375	193	--	--	--
1990	0	1	97	7,457	59	9,806	475	55,642	1,366	74,901	183	--	--	--
1995	0	2	84	8,780	50	6,636	453	58,337	199	74,540	236	--	--	--
2000	0	3	116	10,050	56	8,204	484	64,443	539	83,891	239	--	--	--
2005	0	3	117	12,255	40	9,025	408	67,081	646	89,572	402	--	--	--
2006	0	2	49	11,986	34	8,387	397	67,399	374	88,626	386	--	--	--
2007	0	2	87	11,885	29	8,235	410	69,776	281	90,704	403	--	--	--
2008	0	2	50	10,882	55	11,060	381	67,214	303	89,944	332	--	--	--
2009	0	2	97	10,898	25	6,205	343	65,680	398	83,646	356	--	--	--
2010	0	5	56	11,026	10	8,553	392	65,653	284	85,975	355	--	--	--
2011	0	5	53	11,562	11	8,617	381	64,919	210	85,753	357	--	--	--
2012	0	4	50	10,702	11	8,567	346	64,521	164	84,362	350	--	--	--
2013	0	3	43	13,934	12	8,794	394	64,309	197	87,685	361	--	--	--
2014	0	9	74	10,713	16	9,270	362	63,419	94	83,948	361	--	--	--
2015	0	11	71	11,472	25	9,808	404	64,168	86	86,034	353	--	--	--
2016	0	9	69	11,486	33	11,400	R 383	64,895	200	R 88,465	342	--	--	--
2017	0	8	67	10,588	57	12,271	R 340	63,757	330	R 87,410	348	--	--	--
2018	0	8	77	11,339	14	12,643	R 329	64,221	110	R 88,734	349	--	--	--
2019	0	11	77	11,135	11	13,633	R 311	63,067	211	R 88,446	343	--	--	--
2020	0	9	63	10,750	26	5,600	R 257	49,947	13	R 66,655	323	--	--	--
2021	0	7	71	R 10,438	21	7,643	R 276	56,126	218	R 74,941	315	--	--	--
2022	0	8	74	10,511	17	10,848	291	56,023	223	78,112	299	--	--	--

Trillion Btu

1960	0.6	0.3	4.9	13.8	(s)	6.7	2.7	182.4	7.6	218.1	0.4	219.3	R 0.7	R 220.1
1965	(s)	0.2	8.6	15.3	0.1	17.8	2.5	207.3	15.5	267.1	0.4	267.7	R 0.7	R 268.4
1970	(s)	1.1	1.4	18.6	0.1	44.5	2.7	259.0	20.2	346.5	0.4	348.0	R 0.7	R 348.7
1975	(s)	0.5	1.2	26.1	0.1	45.1	2.6	286.0	6.6	367.7	0.4	368.5	R 0.7	R 369.3
1980	0.0	0.7	1.4	28.5	0.1	48.4	2.8	268.7	5.7	355.7	0.6	356.9	R 1.2	R 358.1
1985	0.0	1.4	0.7	44.3	0.3	39.5	2.6	285.2	5.5	378.0	0.7	380.0	R 1.3	R 381.4
1990	0.0	1.3	0.5	43.4	0.2	55.5	2.9	292.3	8.6	403.4	0.6	405.3	R 1.4	R 406.7
1995	0.0	2.0	0.4	51.1	0.2	37.6	2.7	303.6	1.3	396.9	0.8	399.7	R 1.8	R 401.5
2000	0.0	2.6	0.6	58.5	0.2	46.5	2.9	335.2	3.4	447.3	0.8	450.7	1.9	452.6
2005	0.0	2.6	0.6	71.3	0.2	51.2	2.5	348.3	4.1	478.0	1.4	482.1	2.7	R 484.7
2006	0.0	2.2	0.2	69.6	0.1	47.6	2.4	349.5	2.4	471.7	1.3	475.4	R 2.6	R 478.0
2007	0.0	2.5	0.4	68.7	0.1	46.7	2.5	358.8	1.8	479.0	1.4	483.1	R 2.6	R 485.7
2008	0.0	1.9	0.3	62.9	0.2	62.7	2.3	343.2	1.9	473.5	1.1	476.7	2.1	R 478.8
2009	0.0	1.9	0.5	63.0	0.1	35.2	2.1	334.3	2.5	437.6	1.2	440.8	R 2.1	R 442.9
2010	0.0	4.7	0.3	63.7	(s)	48.5	2.4	332.7	1.8	449.3	1.2	455.2	R 2.1	R 457.3
2011	0.0	5.6	0.3	66.7	(s)	48.9	2.3	328.7	1.3	448.2	1.2	455.0	R 2.0	R 457.0
2012	0.0	4.6	0.3	61.7	(s)	48.6	2.1	326.6	1.0	440.3	1.2	446.1	R 2.1	R 448.3
2013	0.0	3.6	0.2	80.3	(s)	49.9	2.4	325.4	1.2	459.5	1.2	464.3	R 2.2	R 466.5
2014	0.0	8.7	0.4	61.7	0.1	52.6	2.2	320.8	0.6	438.4	1.2	448.3	R 2.2	R 450.5
2015	0.0	11.5	0.4	66.1	0.1	55.6	2.4	324.5	0.5	449.7	1.2	462.3	R 2.1	R 464.5
2016	0.0	9.1	0.3	66.1	0.1	64.6	2.3	328.0	1.3	462.9	1.2	R 473.2	R 2.0	R 475.2
2017	0.0	8.6	0.3	61.0	0.2	69.6	2.1	322.2	2.1	467.2	1.2	467.2	R 2.0	R 469.2
2018	0.0	8.5	0.4	65.3	0.1	71.7	2.0	324.6	0.7	464.7	1.2	474.4	R 2.0	R 476.4
2019	0.0	11.7	0.4	64.1	(s)	77.3	1.9	318.6	1.3	463.7	1.2	476.6	R 1.9	R 478.5
2020	0.0	8.8	0.3	61.9	0.1	31.8	R 1.6	252.3	0.1	348.0	1.1	357.9	R 1.7	R 359.6
2021	0.0	R 7.6	0.4	R 60.2	0.1	43.3	R 1.7	283.4	1.4	R 391.2	1.1	R 399.9	R 1.7	R 401.6
2022	0.0	8.7	0.4	60.6	0.1	61.5	1.8	282.9	1.4	409.2	1.0	419.0	1.5	420.5

^a Transportation use of natural gas to operate pipelines and, since 1990, also includes vehicle fuel.

^b Beginning in 2009, includes biodiesel blended into distillate fuel oil. Beginning in 2011, includes renewable diesel blended into distillate fuel oil.

^c Hydrocarbon gas liquids, assumed to be propane only.

^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 "Industrial sector, Other petroleum." There is a discontinuity in this time series between 2009 and 2010 because of data source and methodology changes, see technical notes.

^e Beginning in 1993, includes fuel ethanol blended into motor gasoline.

^f Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers. Sales to public railroads and railway systems only. Excludes electric vehicles.

^g There is a discontinuity in this time series between 1960 and 1981 due to the expanded coverage of fuel ethanol beginning in 1981.

^h For 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.

ⁱ 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.

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 the 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. <http://www.eia.gov/state/seds/>