Table CT8. Electric power sector consumption estimates, selected years, 1960-2024, Massachusetts

Year	Coal	Natural gas [a]	Petroleum				Nuclear electric power	Hydroelectric power [d]	Biomass	Geothermal [f]	Solar [f,g]	Wind [f]	Electricity net imports [h]	Total [f,i]
			Distillate fuel oil [b]	Petroleum coke	Residual fuel oil [c]	Total			Wood and waste [e,f]					
	Thousand short tons	Billion cubic feet	Thousand barrels				Million kilowatthours			Million kilowatthours				
1960	2,446	11	277	0	9,990	10,267	34	865	– –	0	NA	NA	0	– –
1965	4,066	13	337	0	12,157	12,494	966	564	– –	0	NA	NA	0	– –
1970	575	6	1,176	0	42,301	43,477	1,209	682	– –	0	NA	NA	0	– –
1975	804	1	503	0	39,912	40,415	3,781	350	– –	0	NA	NA	0	– –
1980	676	5	616	0	45,726	46,342	3,232	96	– –	0	NA	NA	0	– –
1985	3,863	45	822	0	23,645	24,467	6,133	200	– –	0	0	0	4,311	– –
1990	4,234	61	614	0	23,505	24,120	5,070	1,238	– –	0	0	0	1,921	– –
1995	4,080	128	678	0	9,143	9,820	4,486	858	– –	0	0	0	1,790	– –
2000	4,485	88	376	0	13,627	14,003	5,512	1,053	– –	0	0	0	1,779	– –
2005	5,025	152	381	0	10,304	10,685	5,475	1,041	– –	0	0	0	2,244	– –
2006	4,750	169	155	0	3,844	3,999	5,830	1,504	– –	0	0	0	580	– –
2007	5,120	183	144	0	4,928	5,072	5,120	778	– –	0	0	0	734	– –
2008	4,581	155	192	0	3,372	3,563	5,869	1,142	– –	0	0	4	3,849	– –
2009	3,892	150	254	0	1,208	1,462	5,396	1,186	– –	0	0	6	4,573	– –
2010	3,497	186	138	0	329	468	5,918	986	– –	0	1	20	3,388	– –
2011	1,763	186	143	0	191	333	5,085	1,137	– –	0	4	52	4,426	– –
2012	954	180	107	0	145	253	5,860	903	– –	0	29	80	993	– –
2013	1,718	154	257	0	416	672	4,331	982	– –	0	106	190	1,245	– –
2014	1,244	135	454	0	1,105	1,559	5,769	891	– –	0	301	197	1,419	– –
2015	1,005	157	346	0	923	1,269	4,995	817	– –	0	448	186	1,330	– –
2016	907	156	68	0	508	576	5,414	708	– –	0	603	194	1,011	– –
2017	559	163	174	0	299	472	5,047	1,028	– –	0	781	210	144	– –
2018	0	134	288	0	475	763	4,442	1,130	– –	0	973	196	980	– –
2019	0	113	65	0	110	175	2,177	970	– –	0	1,154	185	12	– –
2020	0	105	60	0	18	78	0	839	– –	0	1,393	214	0	– –
2021	0	112	64	0	80	144	0	1,112	– –	0	1,576	186	0	– –
2022	0	115	681	0	471	1,152	0	872	– –	0	1,920	191	0	– –
2023	0	108	104	0	82	186	0	1,160	– –	0	2,002	162	0	– –
2024	0	118	156	0	118	274	0	878	– –	0	2,113	152	0	– –
							Trillion Btu							
1960	64.5	11.2	1.6	0.0	62.8	64.4	0.4	3.0	0.0	0.0	NA	NA	0.0	143.4
1965	106.0	13.3	2.0	0.0	76.4	78.4	11.4	1.9	0.0	0.0	NA	NA	0.0	211.0
1970	13.4	5.7	6.8	0.0	265.9	272.8	13.3	2.3	0.0	0.0	NA	NA	0.0	307.5
1975	19.6	1.4	2.9	0.0	250.9	253.8	41.6	1.2	0.0	0.0	NA	NA	0.0	317.7
1980	18.1	5.1	3.6	0.0	287.5	291.1	35.3	0.3	0.0	0.0	NA	NA	0.0	349.4
1985	102.6	46.9	4.8	0.0	148.7	153.4	65.1	0.7	0.0	0.0	0.0	0.0	14.7	382.7
1990	110.6	63.8	3.6	0.0	147.8	151.4	53.6	4.2	24.4	0.0	0.0	0.0	6.6	414.5
1995	103.6	131.6	3.9	0.0	57.5	61.4	47.1	2.9	31.4	0.0	0.0	0.0	6.1	384.1
2000	112.7	91.2	2.2	0.0	85.7	87.9	57.5	3.6	34.1	0.0	0.0	0.0	6.1	393.0
2005	116.4	157.4	2.2	0.0	64.8	67.0	57.1	3.6	21.1	0.0	0.0	0.0	7.7	430.3
2006	109.7	174.4	0.9	0.0	24.2	25.1	60.8	5.1	21.0	0.0	0.0	0.0	2.0	398.1
2007	117.4	189.9	0.8	0.0	31.0	31.8	53.7	2.7	20.1	0.0	0.0	0.0	2.5	418.1
2008	104.7	160.3	1.1	0.0	21.2	22.3	61.3	3.9	21.7	0.0	0.0	(s)	13.1	387.3
2009	90.7	155.3	1.5	0.0	7.6	9.1	56.4	4.0	20.9	0.0	0.0	(s)	15.6	352.2
2010	82.1	192.7	0.8	0.0	2.1	2.9	61.9	3.4	20.9	0.0	(s)	0.1	11.6	375.5
2011	41.3	193.2	0.8	0.0	1.2	2.0	53.2	3.9	19.6	0.0	(s)	0.2	15.1	328.5
2012	22.4	186.1	0.6	0.0	0.9	1.5	61.4	3.1	19.3	0.0	0.1	0.3	3.4	297.6
2013	40.6	159.8	1.5	0.0	2.6	4.1	45.3	3.4	19.4	0.0	0.4	0.6	4.2	277.7
2014	28.3	139.0	2.6	0.0	6.9	9.6	60.3	3.0	20.8	0.0	1.0	0.7	4.8	267.6
2015	23.0	161.3	2.0	0.0	5.8	7.8	52.2	2.8	20.1	0.0	1.5	0.6	4.5	273.8
2016	20.0	161.1	0.4	0.0	3.2	3.6	56.6	2.4	20.2	0.0	2.1	0.7	3.4	270.1
2017	12.3	167.9	1.0	0.0	1.9	2.9	52.8	3.5	20.0	0.0	2.7	0.7	0.5	263.2
2018	0.0	138.0	1.7	0.0	3.0	4.6	46.4	3.9	19.9	0.0	3.3	0.7	3.3	220.2
2019	0.0	116.1	0.4	0.0	0.7	1.1	22.7	3.3	17.3	0.0	3.9	0.6	(s)	165.2
2020	0.0	107.9	0.3	0.0	0.1	0.5	0.0	2.9	17.3	0.0	4.8	0.7	0.0	134.1
2021	0.0	114.8	0.4	0.0	0.5	0.9	0.0	3.8	16.7	0.0	5.4	0.6	0.0	142.2
2022	0.0	118.9	3.9	0.0	3.0	6.9	0.0	3.0	8.3	0.0	6.6	0.7	0.0	144.2
2023	0.0	111.3	0.6	0.0	0.5	1.1	0.0	4.0	8.2	0.0	6.8	0.6	0.0	131.9
2024	0.0	121.7	0.9	0.0	0.7	1.6	0.0	3.0	8.5	0.0	7.2	0.5	0.0	142.5

[a] Includes supplemental gaseous fuels that are commingled with natural gas.
[b] Excludes biodiesel. Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. For 1980 through 2000, distillate fuel oil includes fuel oil Nos. 1 and 2, and small amounts of kerosene and jet fuel.
[c] Prior to 1980, based on oil used in steam plants. For 1980 through 2000, residual fuel oil includes fuel oil Nos. 4, 5, and 6.
[d] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[e] Wood, wood-derived fuels, and biomass waste. Beginning in 2006, includes small amount of other biomass liquids that are biodiesel. Prior to 2001, includes non-biomass waste.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Solar thermal and photovoltaic energy.
[h] Electricity traded with Canada and Mexico. Btu value calculated by converting net imports in kilowatthours by 3,412 Btu per kilowatthour.
[i] 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 the total.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than +0.5 and greater than -0.5 or Btu value less than +0.05 and greater than -0.05.

Notes: · Totals may not equal sum of components due to independent rounding. · The electric power sector consists of electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. · Through 1988, data are for electric utilities only. Beginning in 1989, data include independent power producers. · 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. https://www.eia.gov/state/seds/