

**Table ET5. Industrial sector energy price and expenditure estimates, selected years, 1970-2022, Massachusetts**

Year	Primary energy											Electricity <sup>i</sup>	Total energy <sup>f,g,h</sup>	
	Coal			Natural gas <sup>a</sup>	Petroleum					Biomass	Total <sup>f,g,h</sup>			
	Coking coal	Steam coal	Total		Distillate fuel oil	HGL <sup>b</sup>	Motor gasoline <sup>c</sup>	Residual fuel oil	Other <sup>d</sup>	Total				Wood and waste <sup>e,f</sup>
Prices in dollars per million Btu														
1970	—	0.89	0.89	1.03	0.74	1.60	2.86	0.42	1.35	0.60	1.42	0.67	4.88	1.06
1975	—	2.62	2.62	2.28	2.36	2.98	4.73	2.06	2.93	2.25	1.42	2.23	11.21	3.37
1980	—	1.67	1.67	4.09	5.59	5.75	9.69	4.14	7.33	5.78	1.43	4.87	18.21	8.21
1985	—	2.39	2.39	5.24	6.62	13.57	9.18	4.31	9.27	5.79	1.43	5.33	20.47	8.50
1990	—	2.62	2.62	4.00	6.71	11.92	9.53	3.05	7.83	6.35	1.52	5.15	23.13	9.73
1995	—	2.26	2.26	4.32	5.49	7.85	10.28	2.86	8.80	6.51	1.70	4.96	24.65	9.89
2000	—	2.00	2.00	7.17	7.83	12.38	12.65	4.43	8.98	8.28	1.30	7.40	24.03	11.35
2005	—	3.12	3.12	13.47	13.56	19.73	18.13	7.79	12.98	13.39	1.66	13.13	27.01	17.04
2006	—	3.48	3.48	14.74	15.88	21.54	20.70	8.54	15.30	15.53	1.70	14.74	38.22	21.22
2007	—	3.54	3.54	14.60	17.76	25.37	22.55	9.32	19.77	18.14	1.70	15.56	38.18	21.98
2008	—	4.07	4.07	15.04	24.78	32.41	26.45	13.78	32.78	26.09	1.70	17.96	41.43	25.33
2009	—	4.19	4.19	11.71	15.23	25.53	19.51	10.43	17.44	16.96	1.70	13.62	41.24	25.89
2010	—	4.23	4.23	10.07	18.40	24.28	22.83	14.22	19.35	19.58	1.70	13.60	40.18	24.82
2011	—	4.84	4.84	9.86	24.32	30.05	29.29	18.23	22.07	23.64	2.32	14.87	39.20	24.71
2012	—	6.09	6.09	9.50	25.50	24.25	30.31	19.97	23.09	24.62	2.29	14.65	36.83	24.21
2013	—	5.39	5.39	9.83	24.58	23.33	29.51	21.00	23.95	24.95	2.23	14.86	38.62	24.68
2014	—	5.48	5.48	11.26	24.37	25.52	28.40	18.68	23.65	24.43	2.68	15.84	37.34	21.34
2015	—	5.26	5.26	8.96	15.64	14.63	20.10	10.32	20.17	19.11	2.63	12.61	39.70	19.54
2016	—	5.24	5.24	7.18	12.82	13.14	18.14	7.59	R 16.33	R 15.90	2.29	R 10.32	39.20	R 17.46
2017	—	5.14	5.14	7.79	13.95	R 17.46	20.51	10.34	R 18.45	R 17.87	1.82	R 11.54	40.69	R 18.14
2018	—	5.73	5.73	10.00	18.22	R 18.95	23.06	13.35	R 21.80	R 21.28	2.23	R 13.96	43.64	R 20.64
2019	—	6.11	6.11	9.62	16.71	R 15.24	21.78	12.73	R 22.54	R 21.28	2.59	R 13.59	43.25	R 19.98
2020	—	—	—	9.03	11.97	R 14.46	18.25	10.01	R 21.03	R 19.11	2.53	R 12.60	42.52	R 19.17
2021	—	—	—	9.83	16.40	R 21.86	24.63	14.97	R 23.09	R 22.12	2.47	R 14.27	44.49	R 20.76
2022	—	—	—	13.99	27.34	23.20	33.51	24.66	29.42	29.48	2.29	19.61	49.99	25.97

  

Year	Expenditures in million dollars													
	Coking coal	Steam coal	Total	Natural gas <sup>a</sup>	Distillate fuel oil	HGL <sup>b</sup>	Motor gasoline <sup>c</sup>	Residual fuel oil	Other <sup>d</sup>	Total	Wood and waste <sup>e,f</sup>	Total <sup>f,g,h</sup>	Electricity <sup>i</sup>	Total energy <sup>f,g,h</sup>
1970	—	3.2	3.2	23.5	12.5	4.0	1.7	68.1	40.0	126.3	10.3	163.3	123.4	286.7
1975	—	6.9	6.9	55.0	36.5	11.6	2.0	205.3	58.1	313.5	8.4	383.8	280.3	664.1
1980	—	4.0	4.0	120.2	61.5	26.5	4.6	69.3	130.9	292.7	6.2	423.2	527.3	950.5
1985	—	10.4	10.4	177.8	44.9	20.8	17.7	227.8	143.7	454.9	7.3	650.5	660.4	1,310.9
1990	—	4.8	4.8	183.5	101.0	40.0	20.7	50.0	120.5	332.2	2.0	522.5	801.6	1,324.1
1995	—	2.4	2.4	281.4	40.8	10.5	20.0	26.2	123.5	221.0	4.1	508.9	843.1	1,352.0
2000	—	3.0	3.0	560.7	43.0	27.6	20.2	30.6	166.3	287.7	1.1	852.5	863.5	1,716.0
2005	—	5.8	5.8	653.1	149.5	25.1	85.5	37.6	172.7	470.5	0.9	1,130.3	909.6	2,040.0
2006	—	7.0	7.0	644.5	146.6	87.3	99.7	59.9	222.2	615.7	1.1	1,268.4	1,252.1	2,520.5
2007	—	7.9	7.9	687.1	139.7	76.7	91.8	56.7	204.5	569.3	1.1	1,265.5	1,230.9	2,496.4
2008	—	9.1	9.1	680.8	225.2	16.7	98.3	33.5	182.5	556.3	1.1	1,247.2	1,319.2	2,566.4
2009	—	5.5	5.5	475.6	77.2	9.1	68.7	19.4	317.4	491.7	1.0	973.8	2,357.3	3,331.1
2010	—	7.4	7.4	460.5	131.9	10.3	104.5	10.6	359.7	617.1	1.6	1,086.6	2,346.6	3,433.2
2011	—	7.9	7.9	482.6	177.6	21.9	140.8	26.2	406.2	772.7	4.6	1,267.8	2,270.4	3,538.1
2012	—	10.1	10.1	431.4	99.2	21.5	141.3	14.4	394.4	670.8	4.4	1,116.6	2,127.2	3,243.8
2013	—	8.7	8.7	473.8	88.1	22.6	142.7	3.5	440.1	696.9	4.3	1,183.7	2,169.2	3,353.0
2014	—	8.5	8.5	525.5	104.2	25.5	109.4	2.1	473.5	714.7	4.4	1,253.1	1,014.3	2,267.3
2015	—	6.4	6.4	410.8	86.7	11.9	76.4	1.7	389.5	566.1	4.3	987.6	1,068.9	2,056.5
2016	—	0.5	0.5	338.3	60.1	9.7	69.6	0.7	R 323.0	R 463.2	4.0	R 806.0	1,004.2	R 1,810.2
2017	—	0.5	0.5	377.0	74.9	R 11.7	79.9	1.2	R 375.0	R 542.7	1.9	R 922.1	952.3	R 1,874.4
2018	—	0.6	0.6	490.0	86.2	R 11.7	91.7	1.8	R 413.4	R 604.8	2.6	R 1,097.9	997.6	R 2,095.5
2019	—	0.4	0.4	483.8	75.1	R 10.1	87.6	0.9	R 411.2	R 584.8	2.6	R 1,071.6	935.8	R 2,007.4
2020	—	—	—	425.5	48.3	R 9.9	73.8	0.2	R 390.9	R 523.0	2.5	R 951.1	902.3	R 1,853.5
2021	—	—	—	481.6	80.7	R 15.5	98.9	1.7	R 449.5	R 646.2	2.5	R 1,130.2	963.2	R 2,093.4
2022	—	—	—	687.2	136.0	15.6	139.2	2.8	589.2	882.9	2.6	1,572.7	1,063.2	2,635.9

<sup>a</sup> Includes supplemental gaseous fuels that are commingled with natural gas.  
<sup>b</sup> Hydrocarbon gas liquids, include natural gas liquids and refinery olefins.  
<sup>c</sup> Beginning in 1993, includes fuel ethanol blended into motor gasoline. There is a discontinuity in the expenditure series between 2014 and 2015 because of changes in consumption estimates from the source. See Consumption Technical Notes, Section 4.  
<sup>d</sup> Includes asphalt and road oil, kerosene, lubricants, petroleum coke, and the "other petroleum products" category. See Technical Notes, Section 4.  
<sup>e</sup> Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.  
<sup>f</sup> There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of the use of wood and biomass waste beginning in 1989.  
<sup>g</sup> There are no direct fuel costs for hydroelectric, geothermal, solar, or wind energy.

<sup>h</sup> For 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.  
<sup>i</sup> Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers. Where shown, R = Revised data and (s) = Value less than 0.05 million dollars.  
Where shown, — = No consumption, including cases where adjustments were made. See explanation of adjustments in Section 7 of the Technical Notes.  
Notes: · Expenditure totals may not equal sum of components due to independent rounding. · The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants.  
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/>