

**Table ET5. Industrial Sector Energy Price and Expenditure Estimates, Selected Years, 1970-2019, Massachusetts**

Year	Primary Energy												Electricity Retail Sales	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>		
				Total										
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
2001	—	2.06	2.06	8.95	6.71	13.48	11.98	4.33	8.69	7.72	1.31	8.41	27.47	12.24
2002	—	2.41	2.41	7.10	6.11	12.73	11.12	4.26	9.25	7.90	1.66	7.29	24.44	10.84
2003	—	2.30	2.30	9.83	7.66	14.07	12.83	5.30	10.60	9.17	1.66	9.35	26.17	14.19
2004	—	2.41	2.41	11.95	9.38	16.44	15.01	5.24	10.77	10.25	1.66	10.98	24.87	15.06
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	19.34	19.57	1.70	13.59	40.18	24.82
2011	—	4.84	4.84	9.86	24.32	30.05	29.29	18.23	22.06	23.63	2.32	14.86	39.20	24.71
2012	—	6.09	6.09	9.50	25.50	24.25	30.31	19.97	23.08	24.62	2.29	14.64	36.83	24.21
2013	—	5.39	5.39	9.83	24.58	23.33	29.51	21.00	23.94	24.95	2.23	14.85	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	R 20.16	R 19.10	2.63	12.61	39.70	19.54
2016	—	5.24	5.24	7.18	12.82	13.14	18.14	7.59	R 16.29	R 15.87	2.29	R 10.31	39.20	17.45
2017	—	5.14	5.14	7.79	13.95	17.76	20.51	10.34	R 17.27	R 17.08	R 1.82	R 11.21	40.69	R 17.91
2018	—	5.73	5.73	10.00	18.22	19.37	23.06	13.35	R 20.65	R 20.52	R 2.01	R 13.68	43.64	R 20.47
2019	—	6.11	6.11	9.62	16.71	15.59	21.78	12.73	21.21	20.38	2.43	13.27	43.25	19.76
Expenditures in Million Dollars														
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
2001	—	3.0	3.0	759.9	50.1	39.7	56.9	58.6	147.7	352.9	0.9	1,116.7	914.5	2,031.2
2002	—	2.9	2.9	631.7	34.8	28.3	53.0	46.4	163.0	325.5	0.9	961.0	841.2	1,802.2
2003	—	3.6	3.6	446.1	87.4	9.2	62.5	32.3	146.8	338.2	0.9	788.8	891.4	1,680.1
2004	—	3.6	3.6	535.2	106.3	3.8	75.6	23.7	146.8	356.2	0.9	895.9	844.0	1,739.8
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	9.7	104.5	10.6	359.3	616.1	1.6	1,085.6	2,346.6	3,432.2
2011	—	7.9	7.9	482.6	177.6	21.2	140.8	26.2	405.9	771.7	4.6	1,266.7	2,270.4	3,537.1
2012	—	10.1	10.1	431.4	99.2	20.9	141.3	14.4	394.2	R 669.9	4.4	1,115.8	2,127.2	3,243.0
2013	—	8.7	8.7	473.8	88.1	R 22.4	142.7	35.5	439.8	696.5	4.3	1,183.3	2,169.2	3,352.5
2014	—	8.5	8.5	525.5	104.2	25.6	109.4	2.1	473.4	714.7	4.4	R 1,253.1	1,014.3	R 2,267.4
2015	—	6.4	6.4	410.8	86.7	R 12.3	76.4	1.7	R 389.2	R 566.3	4.3	R 987.7	1,068.9	R 2,056.7
2016	—	0.5	0.5	338.3	60.1	10.3	69.6	0.7	R 322.0	R 462.8	4.0	R 805.6	1,004.2	R 1,809.8
2017	—	0.5	0.5	377.0	74.9	13.6	79.9	1.2	R 342.5	R 512.1	R 1.9	R 891.5	952.3	R 1,843.8
2018	—	0.6	0.6	490.0	86.2	R 12.4	91.7	1.8	R 382.9	R 575.0	R 1.9	R 1,067.4	997.6	R 2,065.0
2019	—	0.4	0.4	483.8	75.1	10.6	87.6	0.9	377.2	551.4	1.9	1,037.5	935.8	1,973.3

<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>9</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. 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>.  
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.