

**Table ET5. Industrial Sector Energy Price and Expenditure Estimates, Selected Years, 1970-2018, Washington**

Year	Primary Energy												Electricity Retail Sales	Total Energy f,g,h
	Coal			Natural Gas <sup>a</sup>	Petroleum					Biomass	Total f,g,h			
	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		
Prices in Dollars per Million Btu														
1970	—	0.52	0.52	0.38	0.73	1.23	2.92	0.33	0.76	0.67	1.45	0.60	0.97	0.70
1975	—	0.90	0.90	1.29	2.05	2.81	4.62	1.78	1.71	1.86	1.45	1.57	1.37	1.51
1980	—	2.28	2.28	4.09	6.06	5.84	9.92	3.36	3.63	4.26	1.45	3.84	2.26	3.29
1985	—	2.30	2.30	4.58	6.18	10.47	9.31	4.05	3.54	4.49	1.45	4.12	6.23	4.80
1990	—	2.45	2.45	2.64	5.51	10.12	9.45	2.84	2.74	3.74	0.97	2.83	7.00	4.32
1995	—	3.11	3.11	2.63	5.36	10.71	10.07	2.75	2.61	3.62	1.23	2.77	8.67	4.52
2000	—	2.48	2.48	3.85	8.27	12.68	12.93	4.35	2.75	4.58	1.42	3.77	9.68	5.63
2001	—	2.40	2.40	4.85	7.19	14.35	12.26	3.59	3.95	6.91	1.94	5.04	13.93	7.26
2002	—	2.50	2.50	4.67	6.53	13.39	11.11	4.11	4.06	5.83	2.11	4.52	14.30	6.76
2003	—	2.41	2.41	5.89	8.25	14.98	13.41	4.74	4.40	6.71	1.62	5.04	13.96	7.43
2004	—	2.67	2.67	7.62	11.54	17.15	15.89	5.11	4.31	7.29	1.79	6.27	12.55	8.00
2005	—	3.31	3.31	9.97	15.02	20.46	19.24	7.11	4.45	8.08	2.72	7.38	12.50	8.82
2006	—	3.71	3.71	9.58	17.60	22.88	21.95	8.41	4.85	9.52	2.68	7.34	13.00	8.71
2007	—	3.86	3.86	9.55	18.44	26.30	24.12	9.97	5.54	10.62	2.51	8.31	13.39	9.63
2008	—	4.86	4.86	10.24	25.25	31.53	28.04	13.45	6.58	14.07	2.83	10.34	13.25	11.06
2009	—	4.81	4.81	11.34	15.18	24.90	21.24	—	6.71	10.01	2.67	8.86	12.90	10.05
2010	—	5.67	5.67	9.07	19.23	22.93	24.77	—	10.24	14.38	2.72	8.92	11.94	9.85
2011	—	6.18	6.18	9.20	26.03	28.55	30.54	16.84	13.17	20.04	2.79	10.36	11.98	10.89
2012	—	5.87	5.87	8.52	26.30	19.88	31.48	18.41	11.38	17.55	2.65	9.32	12.10	10.19
2013	—	6.09	6.09	8.10	24.88	21.12	29.94	17.12	13.64	19.30	2.63	9.49	12.40	10.49
2014	—	6.08	6.08	8.19	22.69	22.08	29.24	—	13.25	18.10	3.20	9.42	12.67	10.55
2015	—	5.99	5.99	8.41	16.01	12.22	22.35	—	9.75	12.52	3.11	8.02	12.75	9.53
2016	—	5.64	5.64	6.92	13.08	12.42	20.55	—	9.47	11.69	<sup>R</sup> 3.01	<sup>R</sup> 6.99	12.99	<sup>R</sup> 8.85
2017	—	6.24	6.24	6.84	19.50	17.23	23.64	8.40	<sup>R</sup> 10.98	<sup>R</sup> 15.24	<sup>R</sup> 2.94	<sup>R</sup> 7.96	13.49	<sup>R</sup> 9.70
2018	—	5.89	5.89	6.60	19.98	18.56	26.54	11.36	13.01	17.20	2.66	8.65	13.82	10.28

  

Expenditures in Million Dollars														
1970	—	2.7	2.7	32.0	19.6	1.1	8.4	13.1	40.4	82.5	19.3	136.5	79.7	216.1
1975	—	9.8	9.8	106.0	44.8	1.8	10.6	47.9	102.3	207.3	18.3	341.4	120.6	462.0
1980	—	16.2	16.2	220.5	150.7	10.5	14.5	113.3	148.6	437.7	27.7	702.1	221.7	923.8
1985	—	10.3	10.3	274.9	96.3	40.5	33.8	121.8	199.2	491.6	32.4	809.3	585.8	1,395.1
1990	—	12.7	12.7	190.8	126.8	31.1	32.7	24.2	197.8	412.5	44.7	660.8	913.7	1,574.6
1995	—	13.2	13.2	280.4	114.8	29.8	29.1	8.6	190.4	372.6	59.7	725.9	957.0	1,683.0
2000	—	7.0	7.0	300.3	140.9	138.6	35.8	8.7	263.1	587.2	63.4	957.9	1,121.0	2,078.9
2001	—	6.9	6.9	336.1	148.8	161.2	66.3	0.1	157.9	534.3	77.4	954.7	875.3	1,830.0
2002	—	5.7	5.7	289.1	120.3	48.2	63.7	(s)	161.2	393.4	81.3	769.4	724.5	1,494.0
2003	—	5.0	5.0	356.0	140.8	19.8	77.7	(s)	144.7	382.9	67.0	811.0	819.9	1,631.0
2004	—	4.9	4.9	479.4	161.7	24.3	105.1	(s)	188.2	479.3	58.3	1,021.9	777.8	1,799.7
2005	—	4.9	4.9	619.0	250.4	(s)	126.0	0.1	231.5	607.9	120.8	1,352.5	891.1	2,243.6
2006	—	7.4	7.4	622.7	374.4	12.8	149.2	0.1	273.7	810.2	186.2	1,626.6	923.4	2,550.0
2007	—	12.3	12.3	638.2	418.8	12.6	120.1	—	275.7	827.3	107.3	1,585.1	894.7	2,479.8
2008	—	14.4	14.4	700.6	713.9	99.6	125.4	0.1	380.6	1,319.6	123.4	2,157.9	901.0	3,058.9
2009	—	16.9	16.9	731.2	247.2	63.0	91.7	—	345.9	747.8	99.8	1,595.7	972.6	2,568.3
2010	—	15.5	15.5	576.5	328.3	78.1	139.8	—	421.7	967.8	161.3	1,721.1	1,028.1	2,749.1
2011	—	11.3	11.3	618.8	433.0	143.2	174.8	1.8	387.9	1,140.6	171.2	1,941.9	1,079.8	3,021.7
2012	—	12.3	12.3	589.4	383.4	92.3	176.2	1.6	398.8	1,052.2	171.3	1,825.3	1,076.3	2,901.6
2013	—	12.2	12.2	397.6	368.6	112.2	172.5	(s)	369.7	1,023.0	170.4	1,603.3	1,084.3	2,687.6
2014	—	16.5	16.5	392.5	324.1	112.8	150.8	—	392.1	<sup>R</sup> 979.7	205.9	1,594.7	1,139.5	2,734.2
2015	—	11.5	11.5	416.9	283.3	<sup>R</sup> 59.8	113.0	—	386.9	<sup>R</sup> 843.1	201.5	1,473.0	1,097.5	2,570.5
2016	—	10.6	10.6	338.3	241.3	60.3	102.3	—	<sup>R</sup> 313.5	<sup>R</sup> 717.4	<sup>R</sup> 213.5	<sup>R</sup> 1,279.8	1,065.4	<sup>R</sup> 2,345.2
2017	—	8.9	8.9	352.8	344.1	<sup>R</sup> 47.1	119.1	(s)	<sup>R</sup> 316.7	<sup>R</sup> 827.0	<sup>R</sup> 195.4	<sup>R</sup> 1,384.1	1,070.3	<sup>R</sup> 2,454.3
2018	—	8.1	8.1	330.4	444.0	61.6	136.0	0.4	354.8	996.8	173.4	1,508.7	1,113.9	2,622.6

<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.  
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.