

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

Year	Primary energy											Electricity ⁱ	Total energy ^{f,g,h}	
	Coal			Natural gas ^a	Petroleum					Biomass	Total ^{f,g,h}			
	Coking coal	Steam coal	Total		Distillate fuel oil	HGL ^b	Motor gasoline ^c	Residual fuel oil	Other ^d	Total				Wood and waste ^{e,f}
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
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	—	10.25	14.39	2.72	8.93	11.94	9.86
2011	—	6.18	6.18	9.20	26.03	28.55	30.54	16.84	13.17	20.04	2.79	10.37	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	13.63	19.30	2.63	9.49	12.40	10.49
2014	—	6.08	6.08	8.19	22.69	22.08	29.24	—	13.26	18.10	3.20	9.42	12.67	10.55
2015	—	5.99	5.99	8.41	16.01	12.22	22.35	—	9.76	12.53	3.11	8.02	12.75	9.53
2016	—	5.64	5.64	6.92	13.08	12.42	20.55	—	R 9.48	R 11.69	3.01	6.99	12.99	8.85
2017	—	6.24	6.24	6.84	19.50	R 15.87	23.64	8.40	R 11.54	R 15.45	2.94	R 8.05	13.49	R 9.75
2018	—	5.89	5.89	6.60	19.98	R 17.33	26.54	11.36	R 13.72	R 17.43	2.67	R 8.71	13.82	R 10.31
2019	—	5.78	5.78	6.32	17.72	R 13.58	25.88	—	R 14.06	R 16.64	2.62	R 8.38	14.08	R 10.18
2020	—	5.90	5.90	7.12	12.36	R 12.77	22.20	—	R 16.92	R 14.94	2.13	R 7.71	14.89	R 10.00
2021	—	6.01	6.01	7.56	18.66	R 20.07	28.61	13.15	R 22.10	R 21.13	2.70	R 9.59	17.03	R 11.90
2022	—	6.56	6.56	8.82	29.29	21.29	37.87	21.38	29.25	29.43	2.95	13.04	18.08	14.61

Year	Expenditures in million dollars													
	Coking coal	Steam coal	Total	Natural gas ^a	Distillate fuel oil	HGL ^b	Motor gasoline ^c	Residual fuel oil	Other ^d	Total	Wood and waste ^{e,f}	Total ^{f,g,h}	Electricity ⁱ	Total energy ^{f,g,h}
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
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	79.3	139.8	—	422.0	969.4	161.3	1,722.6	1,028.1	2,750.7
2011	—	11.3	11.3	618.8	433.0	144.6	174.8	1.8	387.8	1,142.0	171.2	1,943.2	1,079.8	3,023.0
2012	—	12.3	12.3	589.4	383.4	93.3	176.2	1.6	398.7	1,053.1	171.3	1,826.2	1,076.3	2,902.4
2013	—	12.2	12.2	397.6	368.6	112.4	172.5	(s)	369.4	1,025.0	170.4	1,603.2	1,084.3	2,687.6
2014	—	16.5	16.5	392.5	324.1	112.6	150.8	—	392.3	979.8	205.9	1,594.7	1,139.5	2,734.3
2015	—	11.5	11.5	416.9	283.3	59.3	113.0	—	387.2	842.8	201.5	1,472.8	1,097.5	2,570.2
2016	—	10.6	10.6	338.3	241.3	59.3	102.3	—	R 313.6	R 716.5	213.5	R 1,278.9	1,065.4	R 2,344.3
2017	—	8.9	8.9	352.8	344.1	R 41.8	119.1	(s)	R 336.5	R 841.5	194.5	R 1,397.6	1,070.3	R 2,467.8
2018	—	8.1	8.1	330.4	444.0	R 56.2	136.0	0.4	R 379.1	R 1,015.7	176.9	R 1,531.1	1,113.9	R 2,645.0
2019	—	8.6	8.6	307.7	439.3	R 24.4	131.9	—	R 372.2	R 967.9	170.6	R 1,454.7	1,128.8	R 2,583.6
2020	—	9.1	9.1	289.0	317.7	R 27.2	114.1	—	R 287.4	R 746.4	127.6	R 1,172.1	1,057.8	R 2,229.9
2021	—	8.9	8.9	317.8	375.1	R 63.8	144.4	0.4	R 357.9	R 941.7	R 166.3	R 1,434.6	1,150.3	R 2,584.9
2022	—	9.6	9.6	375.1	594.6	100.0	198.6	0.7	470.9	1,364.8	167.1	1,916.6	1,206.5	3,123.1

^a Includes supplemental gaseous fuels that are commingled with natural gas.
^b Hydrocarbon gas liquids, include natural gas liquids and refinery olefins.
^c 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.
^d Includes asphalt and road oil, kerosene, lubricants, petroleum coke, and the "other petroleum products" category. See Technical Notes, Section 4.
^e Wood, wood-derived fuels, and biomass waste. 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 the use of wood and biomass waste beginning in 1989.
^g There are no direct fuel costs for hydroelectric, geothermal, solar, or wind energy.
^h For 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.
ⁱ 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/>