

**Table ET5. Industrial Sector Energy Price and Expenditure Estimates, Selected Years, 1970-2017, United States**

Year	Primary Energy														Electricity Retail Sales	Total Energy <sup>g,h</sup>
	Coal			Coal Coke		Natural Gas <sup>a</sup>	Petroleum					Biomass	Total <sup>f,g,h</sup>			
	Coking Coal	Steam Coal	Total	Exports	Imports		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	0.45	0.44	0.45	1.27	0.93	0.38	0.72	R 1.14	2.86	0.46	1.13	0.98	1.66	R 0.62	2.99	0.84
1975	1.65	1.28	1.50	2.37	3.47	0.95	2.23	R 2.64	4.65	1.91	2.64	R 2.48	1.67	R 1.68	6.07	2.21
1980	2.10	1.56	1.87	2.54	3.19	2.52	5.54	R 5.40	9.82	3.69	6.59	R 5.79	1.67	R 3.78	10.81	R 4.72
1985	2.03	1.70	1.83	2.76	2.99	3.87	6.26	R 6.22	9.07	4.24	6.90	R 6.40	1.67	R 4.47	14.57	R 6.06
1990	1.79	1.52	1.62	3.53	3.80	2.95	5.90	R 5.95	9.15	3.10	5.64	R 5.73	0.99	R 3.66	13.92	R 5.30
1995	1.76	1.48	1.58	2.71	3.43	2.80	4.87	R 5.81	R 9.19	2.75	5.21	R 5.34	1.21	R 3.42	13.68	R 5.01
1996	1.77	1.46	1.57	2.20	3.87	3.00	5.80	R 7.28	R 9.84	3.25	5.64	R 6.18	1.01	R 3.94	13.49	R 5.44
1997	1.79	1.47	1.58	2.64	3.25	3.53	5.44	R 6.54	R 9.82	3.03	5.57	R 6.87	1.01	R 3.95	13.29	R 5.39
1998	1.69	1.45	1.53	3.73	3.07	3.16	4.22	R 4.97	R 8.44	2.25	4.54	R 4.65	1.24	R 3.39	13.13	R 4.94
1999	1.69	1.44	1.53	3.88	2.83	3.21	4.92	R 5.76	R 9.24	2.62	5.15	R 5.32	1.38	R 3.71	12.98	R 5.20
2000	1.67	1.41	1.50	3.64	2.66	4.60	7.66	R 6.68	R 11.90	4.22	6.83	R 7.57	1.43	R 5.12	13.60	R 6.50
2001	1.74	1.50	1.58	3.27	3.04	5.71	7.01	R 8.16	R 11.35	3.85	6.09	R 7.02	1.95	R 5.45	14.78	R 6.96
2002	1.94	1.58	1.69	3.25	3.04	4.48	6.33	R 7.04	R 10.71	3.87	6.34	R 6.68	2.11	R 4.87	14.30	R 6.37
2003	1.93	1.54	1.67	3.88	3.49	6.20	7.63	R 9.22	R 12.30	4.83	7.14	R 7.99	1.63	R 6.05	14.97	R 7.53
2004	2.31	1.75	1.92	3.28	7.23	7.02	10.07	R 11.37	R 14.64	4.95	8.10	R 9.55	1.79	R 7.19	15.38	R 8.51
2005	3.19	2.14	2.47	3.39	8.92	9.08	14.27	R 13.62	R 17.93	6.98	10.20	R 12.07	2.73	R 9.14	16.77	R 10.42
2006	3.54	2.34	2.72	3.19	6.31	8.77	16.44	R 16.26	R 20.34	8.16	12.49	R 14.47	2.65	R 10.10	18.02	R 11.42
2007	3.64	2.43	2.82	3.66	7.84	8.29	18.01	R 18.20	R 22.34	9.26	13.96	R 16.14	2.51	R 10.60	18.71	R 11.98
2008	4.49	2.85	3.38	4.33	18.76	10.06	24.68	R 22.60	R 26.02	12.97	18.26	R 20.93	2.83	R 13.27	20.34	R 14.51
2009	5.43	2.97	3.69	4.17	10.82	6.46	R 14.77	R 14.45	R 18.90	9.25	14.99	R 14.81	2.62	R 9.44	20.05	R 11.35
2010	5.84	2.94	3.93	6.74	13.37	6.17	R 18.55	R 17.34	R 22.72	11.94	18.70	R 18.22	R 2.67	R 10.50	19.89	R 12.13
2011	6.89	3.24	4.55	8.75	15.71	5.96	R 24.83	R 21.28	R 28.66	16.02	23.32	R 22.96	R 2.77	R 12.28	20.02	R 13.64
2012	6.59	3.30	4.59	8.65	13.64	4.91	R 25.38	R 15.48	29.55	17.48	23.04	R 20.79	2.63	R 10.91	19.60	R 12.41
2013	5.43	3.22	4.10	8.91	8.55	5.46	R 24.83	R 14.73	R 28.72	17.40	23.50	R 20.34	R 2.59	R 10.93	20.26	R 12.51
2014	4.61	3.17	3.74	9.94	4.73	6.36	R 23.49	R 14.88	27.58	16.41	22.98	R 20.00	R 3.14	R 11.04	20.86	R 12.71
2015	4.16	3.09	3.53	9.28	5.90	4.86	R 14.93	R 8.50	R 20.40	9.87	16.45	R 12.91	R 3.04	R 7.74	20.33	R 9.87
2016	3.56	2.88	3.15	8.75	5.78	R 4.27	R 12.37	R 8.13	R 18.14	7.39	13.85	R 11.28	R 2.81	6.78	19.91	R 8.99
2017	4.11	2.83	3.37	9.32	7.11	4.83	14.89	10.54	20.36	9.81	15.25	13.34	2.85	7.86	20.23	9.91

  

Expenditures in Million Dollars																
1970	1,175	907	2,082	78	4	2,625	866	1,046	824	635	2,698	6,069	381	11,081	5,624	16,706
1975	3,692	1,806	5,498	75	156	5,844	2,907	2,760	1,039	2,367	6,470	15,544	400	27,367	13,760	41,127
1980	3,753	2,135	5,888	130	52	16,350	7,232	7,967	1,553	4,175	21,837	42,765	529	65,453	28,863	94,316
1985	2,228	2,838	5,066	77	43	21,615	6,977	8,904	1,978	2,815	17,396	38,970	619	66,246	40,190	106,436
1990	1,862	2,593	4,455	50	72	19,348	6,773	8,916	1,695	1,070	16,798	35,252	906	59,993	43,358	103,350
1995	1,558	2,379	3,936	91	325	21,487	5,473	11,061	1,836	778	R 15,446	R 34,594	1,699	R 61,951	45,402	R 107,353
1996	1,507	2,322	3,829	88	244	24,167	6,857	R 14,347	1,965	913	R 17,038	R 41,121	1,432	R 72,705	46,102	R 118,807
1997	1,453	2,322	3,775	83	253	28,411	6,512	13,235	2,077	732	R 18,031	R 40,587	1,435	R 74,379	45,610	R 119,990
1998	1,304	2,151	3,455	104	292	24,515	5,084	9,646	1,681	425	R 15,761	R 32,597	1,600	R 62,355	45,634	R 107,989
1999	1,306	2,037	3,344	86	226	24,079	5,823	12,290	1,400	447	R 18,222	R 38,182	1,786	R 67,530	45,429	R 112,960
2000	1,327	2,061	3,389	103	249	34,624	9,158	18,555	1,785	867	R 22,692	R 53,058	1,888	R 93,104	47,859	R 140,963
2001	1,247	2,220	3,467	109	191	38,596	9,055	15,757	3,343	629	R 19,349	R 48,133	2,216	R 92,495	48,519	R 141,013
2002	1,258	2,160	3,418	64	244	31,199	7,586	14,627	3,302	619	R 20,407	R 46,541	2,592	R 83,930	46,606	R 130,535
2003	1,283	2,128	3,411	70	239	41,168	8,879	17,928	3,978	966	R 23,113	R 54,863	1,943	R 101,555	49,962	R 151,517
2004	1,499	2,437	3,936	107	1,232	47,463	12,167	23,385	5,431	1,163	29,029	R 71,176	1,926	R 125,626	51,491	R 177,117
2005	1,964	2,861	4,824	147	780	55,299	17,945	26,248	6,354	1,867	R 35,366	R 87,780	3,458	R 151,995	56,229	R 208,225
2006	2,132	3,068	5,200	128	636	52,570	20,647	32,858	7,608	1,849	R 43,322	R 106,283	3,514	R 168,076	59,764	R 227,840
2007	2,175	3,078	5,253	131	478	51,126	22,573	R 36,735	6,739	1,700	R 45,612	R 113,358	3,190	R 173,275	62,934	R 236,209
2008	2,606	3,444	6,050	210	1,676	61,877	33,201	39,333	6,367	2,408	R 52,810	R 134,118	3,408	R 206,920	67,102	R 274,022
2009	2,192	2,945	5,136	135	93	36,304	15,810	26,802	4,490	1,134	R 36,044	R 84,281	2,303	R 127,982	59,816	R 187,799
2010	3,239	3,150	6,389	245	403	38,533	21,331	R 38,111	5,895	1,365	R 43,734	R 110,436	R 3,160	R 158,676	62,767	R 221,442
2011	3,885	3,246	7,131	210	552	37,972	30,583	R 45,782	7,287	2,086	R 51,377	R 137,114	R 3,418	R 185,977	64,566	R 250,543
2012	3,916	3,042	6,958	209	384	32,173	32,153	R 36,359	7,457	1,164	R 47,490	R 124,623	3,320	R 167,248	62,937	R 230,185
2013	3,346	2,990	6,336	186	29	36,513	31,311	R 37,402	7,542	793	R 48,625	R 125,672	R 3,410	R 171,774	64,944	R 236,718
2014	2,796	2,920	5,716	233	9	44,291	31,997	R 35,721	5,793	634	R 46,778	R 120,923	R 4,135	R 174,841	67,630	R 242,471
2015	2,340	2,523	4,863	197	20	33,579	17,377	R 22,216	5,260	310	R 34,174	R 79,336	R 3,946	R 121,548	65,169	R 186,716
2016	1,678	2,117	3,795	217	33	R 30,300	14,239	R 20,992	4,753	375	R 28,293	R 68,651	R 3,600	R 106,163	63,126	R 169,288
2017	2,069	1,960	4,029	280	10	35,372	17,866	28,214	5,382	475	31,449	83,385	3,826	126,343	64,590	190,934

<sup>a</sup> Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.  
<sup>b</sup> Hydrocarbon gas liquids, include natural gas liquids and refinery offcuts.  
<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.  
 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.