

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

Year	Primary Energy														Electricity Retail Sales	Total Energy f,g,h
	Coal			Coal Coke		Natural Gas ^a	Petroleum					Biomass	Total f,g,h			
	Coking Coal	Steam Coal	Total	Exports	Imports		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	0.45	0.44	0.45	1.27	0.93	0.38	0.72	1.14	2.86	0.46	1.13	0.98	1.66	0.62	2.99	0.84
1975	1.65	1.28	1.50	2.37	3.47	0.95	2.23	2.64	4.65	1.91	2.64	2.48	1.67	1.68	6.07	2.21
1980	2.10	1.56	1.87	2.54	3.19	2.52	5.54	5.40	9.82	3.69	6.59	5.79	1.67	3.78	10.81	4.72
1985	2.03	1.70	1.83	2.76	2.99	3.87	6.26	6.22	9.07	4.24	6.90	6.40	1.67	4.47	14.57	6.06
1990	1.79	1.52	1.62	3.53	3.80	2.95	5.90	5.95	9.15	3.10	5.64	5.73	0.99	3.66	13.92	5.30
1995	1.76	1.48	1.58	2.71	3.43	2.80	4.87	5.81	9.19	2.75	5.21	5.34	1.21	3.42	13.68	5.01
2000	1.67	1.41	1.50	3.64	2.66	4.60	7.66	8.68	11.90	4.22	6.83	7.57	1.43	5.12	13.60	6.50
2001	1.74	1.50	1.58	3.27	3.04	5.71	7.01	8.16	11.35	3.85	6.09	7.02	1.95	5.45	14.78	6.96
2002	1.94	1.58	1.69	3.25	3.04	4.48	6.33	7.04	10.71	3.87	6.34	6.68	2.11	4.87	14.30	6.37
2003	1.93	1.54	1.67	3.88	3.49	6.20	7.63	9.22	12.30	4.83	7.14	7.99	1.63	6.05	14.97	7.53
2004	2.31	1.75	1.92	3.28	7.23	7.02	10.07	11.37	14.64	4.95	8.10	9.55	1.79	7.19	15.38	8.51
2005	3.19	2.14	2.47	3.39	8.92	9.08	14.27	13.62	17.93	6.98	10.20	12.07	2.73	9.14	16.77	10.42
2006	3.54	2.34	2.72	3.19	6.31	8.77	16.44	16.26	20.34	8.16	12.49	14.47	2.65	10.10	18.02	11.42
2007	3.64	2.43	2.82	3.66	7.84	8.29	18.01	18.20	22.34	9.26	13.96	16.14	2.51	10.60	18.71	11.98
2008	4.49	2.85	3.38	4.33	18.76	10.06	24.68	22.60	26.02	12.97	18.26	20.93	2.83	13.27	20.34	14.51
2009	5.43	2.97	3.69	4.17	10.82	6.46	14.77	14.45	18.90	9.25	14.99	14.77	2.62	9.44	20.05	11.35
2010	5.84	2.94	3.93	6.74	13.37	6.17	18.55	17.34	22.72	11.94	18.70	18.22	2.67	10.50	19.89	12.13
2011	6.89	3.24	4.55	8.75	15.71	5.96	24.83	21.28	28.66	16.02	23.32	22.96	2.77	12.28	20.02	13.64
2012	6.59	3.30	4.59	8.65	13.64	4.91	25.38	15.48	29.55	17.48	23.04	20.79	2.63	10.91	19.60	12.41
2013	5.43	3.22	4.10	8.91	8.55	5.46	24.83	14.73	28.72	17.40	23.50	20.34	2.59	10.93	20.26	12.51
2014	4.61	3.17	3.74	9.94	4.73	6.36	23.49	^R 14.89	27.58	16.41	22.98	20.00	3.14	11.04	20.86	12.71
2015	4.16	3.09	3.53	9.28	5.90	4.86	14.93	^R 8.51	20.40	9.87	16.45	^R 12.92	3.04	7.74	20.33	9.87
2016	3.56	2.88	3.15	8.75	5.78	4.27	12.37	8.13	18.14	7.39	13.85	11.28	^R 2.94	6.79	19.91	^R 9.00
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	^R 2.87	^R 7.89	20.23	^R 9.94
2018	4.40	2.84	3.53	10.53	10.66	4.85	18.00	11.98	22.68	11.17	18.47	15.53	2.63	8.78	20.36	10.67
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	9,804	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	15,446	34,594	1,699	61,951	45,402	107,353
2000	1,327	2,061	3,389	103	249	34,624	9,158	18,555	1,785	867	22,692	53,058	1,888	93,104	47,859	140,963
2001	1,247	2,220	3,467	109	191	38,596	9,055	15,757	3,343	629	19,349	48,133	2,216	92,495	48,519	141,013
2002	1,258	2,160	3,418	64	244	31,199	7,586	14,627	3,302	619	20,407	46,541	2,592	83,930	46,606	130,535
2003	1,283	2,128	3,411	70	239	41,168	8,879	17,928	3,978	966	23,113	54,863	1,943	101,555	49,962	151,517
2004	1,499	2,437	3,936	107	1,232	47,463	12,167	23,385	5,431	1,163	29,029	71,176	1,926	125,626	51,491	177,117
2005	1,964	2,861	4,824	147	780	55,299	17,945	26,248	6,354	1,867	35,366	87,780	3,458	151,995	56,229	208,225
2006	2,132	3,068	5,200	128	636	52,570	32,858	7,608	1,849	43,322	106,283	3,514	3,458	168,076	59,764	227,840
2007	2,175	3,078	5,253	131	478	51,126	22,573	36,735	6,739	1,700	45,612	113,358	3,190	173,275	62,934	236,209
2008	2,606	3,444	6,050	210	1,676	61,877	33,201	39,333	6,367	2,408	52,810	134,118	3,408	206,920	67,102	274,022
2009	2,192	2,945	5,136	135	93	36,304	15,810	26,802	4,490	1,134	36,044	^R 84,280	2,303	127,982	59,816	^R 187,798
2010	3,239	3,150	6,389	245	403	38,533	21,331	^R 38,122	5,895	1,365	43,734	^R 110,447	3,160	^R 158,687	62,767	^R 221,454
2011	3,885	3,246	7,131	210	552	37,972	30,583	^R 45,797	7,287	2,086	51,377	^R 137,130	3,418	^R 185,993	64,566	^R 250,559
2012	3,916	3,042	6,958	209	384	32,173	32,153	^R 36,367	7,457	1,164	47,490	^R 124,631	3,320	^R 167,256	62,937	^R 230,193
2013	3,346	2,990	6,336	186	29	36,513	31,311	^R 37,409	7,542	793	48,625	^R 125,679	3,410	^R 171,781	64,944	^R 236,725
2014	2,796	2,920	5,716	233	9	44,291	31,997	^R 35,728	5,793	634	46,778	^R 120,929	4,135	^R 174,847	67,630	^R 242,477
2015	2,340	2,523	4,863	197	20	33,579	17,377	^R 22,220	5,260	310	34,174	^R 79,340	3,946	^R 121,552	65,169	^R 186,720
2016	1,678	2,117	3,795	217	33	30,300	14,239	^R 20,994	4,753	375	28,293	^R 68,654	^R 3,766	^R 106,330	63,126	^R 169,456
2017	2,069	1,960	4,029	280	10	^R 35,370	17,866	28,214	5,382	475	31,449	83,385	^R 3,571	^R 126,087	64,590	^R 190,677
2018	2,306	1,853	4,159	300	31	37,534	22,469	36,061	6,111	466	36,916	102,024	3,262	146,710	66,224	212,934

^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 Consumption 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. 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.