

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

Year	Primary energy														Electricity ⁱ	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
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	15.08	14.85	2.62	9.46	20.05	11.37
2010	5.84	2.94	3.93	6.74	13.37	6.17	18.55	17.35	22.72	11.94	18.78	18.26	2.67	10.52	19.89	12.14
2011	6.89	3.24	4.55	8.75	15.71	5.96	24.83	21.41	28.66	16.02	23.99	23.03	2.77	12.32	20.02	13.67
2012	6.59	3.30	4.59	8.65	13.64	4.91	25.38	15.46	29.55	17.48	23.13	20.81	2.63	10.91	19.60	12.42
2013	5.43	3.22	4.10	8.91	8.55	5.46	24.83	14.74	28.72	17.40	23.57	20.37	2.59	10.94	20.26	12.52
2014	4.61	3.17	3.74	9.94	4.73	6.36	23.49	14.89	27.58	16.41	23.06	20.03	3.14	11.05	20.86	12.72
2015	4.16	3.09	3.53	9.28	5.90	4.86	14.93	8.49	20.40	9.87	12.95	16.54	3.04	7.75	20.33	9.88
2016	3.56	2.88	3.15	8.75	5.78	4.27	12.37	8.15	18.14	7.39	13.96	11.32	2.94	6.81	19.91	9.02
2017	4.11	2.83	3.37	9.32	7.11	4.83	14.89	10.47	20.36	9.81	15.34	13.35	2.87	7.89	20.23	9.95
2018	4.40	2.84	3.53	10.53	10.66	4.85	18.00	12.02	22.68	11.17	18.59	15.59	2.64	8.78	20.35	10.66
2019	5.01	2.94	3.89	11.29	12.34	4.60	16.70	8.62	21.85	11.12	18.25	17.85	2.64	7.92	20.04	9.90
2020	4.43	2.79	3.51	10.56	10.22	4.07	11.97	7.25	18.33	8.23	15.36	16.11	2.15	6.60	19.62	8.71
2021	4.17	2.80	3.47	10.18	10.81	5.87	17.43	13.21	25.14	12.41	19.48	10.81	2.71	6.70	21.05	11.56
2022	6.82	3.60	5.10	13.79	20.50	8.20	28.31	12.92	32.87	19.62	26.97	20.42	2.92	12.48	24.41	14.50

Year	Expenditures in million dollars																
	Coal	Coal coke	Natural gas ^a	Distillate fuel oil	HGL ^b	Motor gasoline ^c	Residual fuel oil	Other ^d	Total	Biomass	Wood and waste ^{e,f}	Total ^{f,g,h}	Electricity ⁱ	Total energy ^{f,g,h}			
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	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	9,916	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	
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	20,647	32,858	7,608	1,849	43,322	106,283	3,514	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	36,280	84,516	2,303	128,218	59,816	188,034	
2010	3,239	3,150	6,389	245	403	38,533	21,331	38,128	5,895	1,365	43,931	110,651	3,160	158,891	62,767	221,657	
2011	3,885	3,246	7,131	210	552	37,972	30,583	46,383	7,287	2,086	51,534	137,873	3,418	186,736	64,566	251,302	
2012	3,916	3,042	6,958	209	384	32,173	32,153	36,262	7,457	1,164	47,685	124,722	3,320	167,347	62,937	230,284	
2013	3,346	2,990	6,336	186	29	36,513	31,311	37,429	7,542	793	48,781	125,856	3,410	171,957	64,944	236,902	
2014	2,796	2,920	5,716	233	9	44,291	31,997	35,737	5,793	634	46,939	121,100	4,135	175,017	67,630	242,648	
2015	2,340	2,523	4,863	197	20	33,579	17,377	22,133	5,260	310	34,366	79,445	3,946	121,657	65,169	186,825	
2016	1,678	2,117	3,795	217	33	30,300	14,239	21,062	4,753	375	28,528	68,957	3,766	106,633	63,126	169,759	
2017	2,069	1,960	4,029	280	10	35,344	17,866	27,886	5,382	475	31,659	83,268	3,571	125,942	64,590	190,533	
2018	2,306	1,853	4,159	301	31	37,727	22,469	36,253	6,111	466	37,159	102,458	3,363	147,437	66,147	213,584	
2019	2,578	1,771	4,349	271	35	35,674	20,065	26,981	5,824	453	36,004	89,327	3,276	132,391	65,321	197,712	
2020	1,830	1,465	3,296	179	41	30,578	12,735	23,528	4,933	262	28,326	69,783	2,577	106,097	61,250	167,346	
2021	2,103	1,493	3,597	526	31	44,915	20,626	46,424	6,642	566	37,135	111,393	3,284	162,694	68,816	231,510	
2022	3,132	1,897	5,028	793	34	63,628	33,869	41,768	9,085	916	46,924	132,562	3,378	203,838	81,403	285,241	

^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.
 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/>