

Table CT6. Industrial sector energy consumption estimates, selected years, 1960-2022, United States

Year	Coal	Net imports of coal coke	Natural gas ^a	Petroleum					Hydro-electric power ^{e,f}	Biomass		Geo-thermal ^f	Solar ^{f,i}	Electricity ^j	Electrical system energy losses ^l	Total ^{f,k}			
				Distillate fuel oil	HGL ^b	Motor gasoline ^c	Residual fuel oil	Other ^d		Total	Wood and waste ^{f,g}						Losses and co-products ^h	Billion kWh	End use ^{f,k}
1960	177	(s)	5,771	174	122	73	252	370	991	4	--	--	NA	324	--	--			
1965	201	-1	7,112	197	172	65	252	499	1,185	3	--	--	NA	429	--	--			
1970	187	-2	9,249	211	255	55	258	611	1,390	3	--	--	NA	571	--	--			
1975	147	1	8,365	230	315	43	240	647	1,474	3	--	--	NA	688	--	--			
1980	127	-1	8,198	227	473	30	215	827	1,772	3	--	--	NA	815	--	--			
1985	116	-1	6,867	192	514	41	119	617	1,484	3	--	--	NA	837	--	--			
1990	115	(s)	8,255	198	498	35	65	775	1,571	3	--	--	(s)	946	--	--			
1995	106	2	9,384	194	631	38	54	760	1,677	5	--	--	(s)	1,013	--	--			
2000	94	3	9,293	206	704	29	38	818	1,795	4	--	--	(s)	1,064	--	--			
2005	84	2	7,713	217	608	68	45	924	1,862	3	--	--	(s)	1,019	--	--			
2006	82	2	7,669	217	624	72	38	944	1,895	3	--	--	(s)	1,011	--	--			
2007	79	1	7,881	217	636	59	31	902	1,845	2	--	--	(s)	1,028	--	--			
2008	76	2	7,890	233	553	48	31	804	1,669	2	--	--	(s)	1,010	--	--			
2009	61	-1	7,443	186	590	47	21	716	1,559	2	--	--	(s)	917	--	--			
2010	70	(s)	8,112	200	650	51	19	726	1,646	2	--	--	(s)	971	--	--			
2011	68	(s)	8,317	214	655	50	21	711	1,652	2	--	--	(s)	991	--	--			
2012	64	(s)	8,622	220	700	50	11	688	1,669	2	--	--	(s)	986	--	--			
2013	65	-1	8,909	219	751	52	8	694	1,724	3	--	--	1	985	--	--			
2014	64	-1	9,158	237	720	42	6	667	1,672	1	--	--	1	998	--	--			
2015	58	-1	9,098	203	773	51	5	678	1,710	1	--	--	1	987	--	--			
2016	51	-1	9,274	200	776	52	8	685	1,722	1	--	--	2	977	--	--			
2017	51	-1	9,526	209	807	52	8	696	1,771	1	--	--	2	984	--	--			
2018	50	-1	10,112	217	919	53	7	683	1,879	1	--	--	3	1,001	--	--			
2019	47	-1	10,240	209	948	53	7	678	1,895	1	--	--	3	1,002	--	--			
2020	40	-1	10,064	185	998	53	5	632	1,874	1	--	--	4	959	--	--			
2021	43	-2	10,225	206	1,071	52	7	631	1,967	1	--	--	4	1,001	--	--			
2022	42	-2	10,420	208	1,039	55	7	600	1,908	1	--	--	4	1,020	--	--			

Trillion Btu

1960	4,548	-6	5,973	1,016	461	381	1,584	2,278	5,720	R 12	680	NA	NA	NA	1,107	R 18,034	R 2,233	R 20,268
1965	5,134	-18	7,350	1,150	650	342	1,582	3,026	6,750	R 11	855	NA	NA	NA	1,463	R 21,545	R 2,878	R 24,424
1970	4,664	-58	9,498	1,226	930	288	1,624	3,686	7,755	R 11	1,019	NA	NA	NA	1,948	R 24,836	R 3,992	R 28,828
1975	3,658	14	8,571	1,339	1,126	223	1,509	3,895	8,092	R 11	1,063	NA	NA	NA	2,346	R 23,754	R 4,794	R 28,549
1980	3,155	-35	8,409	1,324	1,718	158	1,349	4,915	9,464	R 11	1,600	NA	NA	NA	2,781	R 25,338	R 5,921	R 31,259
1985	2,777	-13	7,096	1,119	1,813	218	748	3,759	7,656	R 11	1,875	42	NA	NA	2,855	R 22,260	R 5,803	R 28,063
1990	2,754	5	8,520	1,150	1,781	185	411	4,672	8,200	R 10	1,634	49	2	(s)	3,226	R 24,359	R 6,603	R 30,962
1995	2,500	61	9,678	1,130	2,269	200	337	4,592	8,527	R 18	1,847	86	3	(s)	3,455	R 26,136	R 7,036	R 33,172
2000	2,259	65	9,550	1,199	2,498	150	241	4,914	9,001	R 14	1,781	99	4	(s)	3,631	R 26,374	R 7,568	R 33,942
2005	1,954	44	7,930	1,262	2,138	354	281	5,539	9,575	R 10	1,604	227	4	(s)	3,477	R 24,804	R 7,092	R 31,896
2006	1,914	61	7,881	1,258	2,171	374	239	5,661	9,703	R 0	1,606	280	4	(s)	3,451	R 24,884	R 6,913	R 31,797
2007	1,864	25	8,098	1,256	2,207	302	193	5,415	9,373	R 5	1,562	369	5	(s)	3,507	R 24,782	R 7,118	R 31,901
2008	1,792	41	8,103	1,348	1,904	245	194	4,823	8,514	R 6	1,486	519	5	(s)	3,444	R 23,884	R 6,924	R 30,807
2009	1,394	-24	7,629	1,073	1,992	238	130	4,300	7,733	R 6	1,336	603	4	(s)	3,130	R 21,784	R 6,090	R 27,874
2010	1,625	-6	8,302	1,153	2,207	260	120	4,360	8,099	R 6	1,577	727	4	(s)	3,314	R 23,619	R 6,414	R 30,034
2011	1,567	11	8,502	1,235	2,172	254	135	4,275	8,071	R 6	1,602	756	4	(s)	3,382	R 23,874	R 6,354	R 30,228
2012	1,516	4	8,823	1,270	2,351	252	70	4,138	8,081	R 8	1,621	711	4	(s)	3,363	R 24,103	R 6,220	R 30,324
2013	1,547	-17	9,131	1,264	2,545	263	48	4,157	8,276	R 12	1,676	714	4	(s)	3,362	R 24,683	R 6,135	R 30,818
2014	1,529	-22	9,450	1,364	2,409	210	41	4,010	8,033	R 5	1,685	766	4	(s)	3,404	R 24,832	R 6,148	R 30,980
2015	1,380	-18	9,427	1,168	2,618	258	34	4,074	8,151	R 4	1,666	791	4	(s)	3,366	R 24,749	R 5,899	R 30,647
2016	1,206	-19	9,610	1,154	2,592	262	52	4,198	8,258	R 4	1,648	821	4	(s)	3,333	R 24,846	R 5,693	R 30,539
2017	1,197	-29	9,863	1,202	2,673	264	50	4,254	8,444	R 5	1,610	847	4	(s)	3,358	R 25,274	R 5,618	R 30,892
2018	1,178	-26	10,465	1,251	3,024	269	43	4,176	8,764	R 4	1,597	855	4	(s)	3,414	R 26,233	R 5,592	R 31,826
2019	1,117	-21	10,607	1,203	3,139	267	41	4,151	8,801	R 4	1,563	835	4	(s)	3,420	R 26,312	R 5,409	R 31,721
2020	939	-13	10,417	1,065	3,252	269	32	3,874	8,493	R 3	1,516	735	4	(s)	3,272	R 25,349	R 4,946	R 30,295
2021	1,037	-49	10,577	1,185	3,519	264	46	3,884	8,898	R 3	1,527	789	4	(s)	3,414	R 26,184	R 5,192	R 31,376
2022	986	-56	10,766	1,198	3,240	276	47	3,713	8,474	3	1,469	808	4	(s)	3,482	25,919	5,130	31,050

^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 this time series between 2014 and 2015 because of coverage. See 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 Conventional hydroelectric power. For 1960 through 1989, includes hydroelectric pumped-storage, which cannot be separately identified.
^f There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
^g Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
^h Losses and co-products from the production of biodiesel and fuel ethanol.
ⁱ Solar thermal and photovoltaic energy. Excludes a small amount of solar thermal energy consumed as heat that is included in the residential sector.
^j Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers.

^k Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in End Use and Total. For 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 2009, includes a small amount of wind energy consumed by industrial utility-scale facilities.
^l Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses. Pre-1990 estimates are not comparable to those for later years. See Section 6 of Technical Notes for an explanation of changes in methodology.
kWh = Kilowatthours. -- = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Value less than +0.5 and greater than -0.5.
Notes: · 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. · The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
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/>