

Table CT6. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2021, United States

Year	Coal Million Short Tons	Net Imports of Coal Coke (s)	Natural Gas ^a Billion Cubic Feet	Petroleum						Hydro-electric Power ^{e,f} Billion kWh	Biomass		Geo-thermal ^f	Solar ^{f,i} Billion kWh	Electricity ^j Billion kWh	End Use ^{f,k}	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 ^g	Losses and Co-products ^h						
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	8,867	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	---	---	
2001	91	1	8,463	223	625	57	32	848	1,786	3	---	---	---	(s)	997	---	---	
2002	84	2	8,640	207	657	59	30	847	1,801	4	---	---	---	(s)	990	---	---	
2003	86	2	8,273	201	617	62	35	880	1,795	4	---	---	---	(s)	1,012	---	---	
2004	86	6	8,354	208	651	71	40	941	1,911	3	---	---	---	(s)	1,018	---	---	
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	---	---	---	1	986	---	---	
2013	65	-1	8,909	219	751	52	8	694	1,724	3	---	---	---	1	985	---	---	
2014	64	-1	9,158	237	R 720	42	6	667	R 1,672	1	---	---	---	1	998	---	---	
2015	58	-1	9,098	203	R 773	51	5	678	R 1,710	1	---	---	---	1	987	---	---	
2016	51	-1	9,274	200	R 776	52	8	685	R 1,721	1	---	---	---	2	977	---	---	
2017	51	-1	9,526	209	807	52	8	695	R 1,771	1	---	---	---	2	984	---	---	
2018	50	-1	10,112	217	R 919	53	7	683	R 1,879	1	---	---	---	3	1,001	---	---	
2019	47	-1	10,240	209	R 948	53	7	678	R 1,895	1	---	---	---	3	1,002	---	---	
2020	40	-1	R 9,970	185	R 998	53	5	632	R 1,874	1	---	---	---	4	959	---	---	
2021	43	-2	10,187	206	1,071	52	7	632	1,968	1	---	---	---	4	1,001	---	---	

Trillion Btu

1960	4,548	-6	5,973	1,016	461	381	1,584	2,278	5,720	39	680	NA	NA	NA	1,107	18,061	2,738	20,799
1965	5,134	-18	7,350	1,150	650	342	1,582	3,026	6,750	33	855	NA	NA	NA	1,463	21,567	3,492	25,059
1970	4,664	-58	9,498	1,226	930	268	1,624	3,686	7,755	34	1,019	NA	NA	NA	1,948	24,859	4,712	29,571
1975	3,658	14	8,571	1,339	1,126	223	1,509	3,995	8,092	32	1,063	NA	NA	NA	2,346	23,776	5,629	29,405
1980	3,155	-35	8,409	1,324	1,718	158	1,349	4,915	9,464	33	1,600	NA	NA	NA	2,781	25,360	6,683	32,043
1985	2,777	-13	7,096	1,119	1,813	218	748	3,759	7,656	33	1,875	42	NA	NA	2,855	22,282	6,538	28,820
1990	2,754	5	8,520	1,150	1,781	185	411	4,672	8,200	31	1,634	49	2	(s)	3,226	24,379	7,387	31,766
1995	2,500	61	9,678	1,130	2,269	200	337	4,592	8,527	55	1,847	86	3	(s)	3,455	26,172	7,783	33,955
2000	2,259	65	9,550	1,199	2,498	150	241	4,914	9,001	42	1,781	99	4	(s)	3,631	26,402	8,189	34,591
2001	2,194	29	8,674	1,299	2,212	295	203	5,105	9,113	33	1,571	108	5	(s)	3,400	25,095	7,516	32,611
2002	2,020	61	8,865	1,203	2,313	308	190	5,084	9,099	39	1,543	130	5	(s)	3,379	25,115	7,484	32,599
2003	2,044	51	8,510	1,169	2,185	323	220	5,271	9,169	43	1,511	168	3	(s)	3,454	24,927	7,581	32,508
2004	2,046	138	8,573	1,213	2,292	371	249	5,636	9,761	33	1,613	201	4	(s)	3,473	25,818	7,651	33,469
2005	1,954	44	7,930	1,262	2,138	354	281	5,539	9,575	32	1,604	227	4	(s)	3,477	24,825	7,597	32,423
2006	1,914	61	7,881	1,258	2,171	374	239	5,661	9,703	29	1,606	280	4	1	3,451	24,903	7,441	32,344
2007	1,864	25	8,098	1,256	2,207	302	193	5,415	9,373	16	1,562	369	5	1	3,507	24,793	7,593	32,386
2008	1,792	41	8,103	1,348	1,904	245	194	4,823	8,514	17	1,486	519	5	1	3,444	23,895	7,440	R 31,335
2009	1,394	-24	7,629	1,073	1,992	238	130	4,300	7,733	18	1,336	603	4	R 2	3,130	21,797	6,655	R 28,451
2010	1,625	-6	8,302	1,153	2,207	260	120	4,360	8,099	16	1,577	727	4	R 2	3,314	R 23,631	7,015	R 30,647
2011	1,567	11	8,502	1,235	2,172	254	135	4,275	8,071	17	1,602	756	4	R 4	3,382	R 23,888	7,096	R 30,984
2012	1,516	4	8,823	1,270	2,351	252	70	4,138	8,081	22	1,621	711	4	R 7	3,363	R 24,122	6,924	R 31,046
2013	1,547	-17	9,131	1,264	2,545	263	48	4,157	R 8,276	33	1,676	714	4	9	3,362	R 24,710	6,885	31,595
2014	1,529	-22	9,450	1,364	R 2,409	210	41	4,010	R 8,033	12	1,685	766	4	11	3,404	R 24,847	6,932	R 31,779
2015	1,380	-18	9,427	1,168	R 2,618	258	34	4,074	R 8,151	13	1,666	791	4	14	3,366	R 24,766	R 6,667	R 31,432
2016	1,206	-19	9,610	1,154	R 2,592	262	52	4,197	R 8,258	12	1,648	821	4	19	3,333	R 24,865	R 6,541	R 31,406
2017	1,197	-29	9,863	1,202	R 2,673	264	50	4,253	R 8,443	13	1,610	847	4	22	3,358	R 25,295	R 6,579	R 31,875
2018	1,178	-26	10,465	1,251	R 3,024	269	43	4,175	R 8,763	10	1,597	855	4	24	3,414	R 26,255	6,560	R 32,815
2019	1,117	-21	10,607	1,203	R 3,139	267	41	4,151	R 8,801	9	1,563	835	4	28	3,420	R 26,335	6,403	R 32,738
2020	939	-13	R 10,320	1,065	R 3,252	269	32	3,874	R 8,493	8	R 1,516	735	4	31	3,272	R 25,277	R 5,995	R 31,272
2021	1,037	-49	10,536	1,185	3,519	264	46	3,888	8,902	8	1,527	789	4	35	3,414	26,175	6,322	32,498

^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 = Kilowatt-hours. -- = 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/seeds/seeds-data-complete.php>.
Data Source: U.S. Energy Information Administration, State Energy Data System. See Technical Notes. <http://www.eia.gov/state/seeds/>