

Table CT5. Commercial sector energy consumption estimates, selected years, 1960-2022, United States

Year	Coal Million short tons	Natural gas ^a Billion cubic feet	Petroleum						Hydro-electric power ^{e,f} Billion kWh	Biomass		Geothermal ^f	Solar ^{f,h} Billion kWh	Electricity ⁱ End use ^{f,j}	Electrical system energy losses ^k	Total ^{f,j}	
			Distillate fuel oil	HGL ^b	Kerosene	Motor gasoline ^c	Residual fuel oil	Total ^d		Wood and waste ^{f,g}	Solar ^{f,h}						
											Billion kWh						End use ^{f,j}
1960	17	1,020	85	21	8	13	89	216	NA	--	--	NA	159	--	--	--	
1965	11	1,444	92	27	9	15	103	245	NA	--	--	NA	231	--	--	--	
1970	7	2,399	101	37	11	16	114	279	NA	--	--	NA	352	--	--	--	
1975	7	2,508	101	34	9	17	78	238	NA	--	--	NA	468	--	--	--	
1980	5	2,611	89	23	7	20	90	229	NA	--	--	NA	559	--	--	--	
1985	6	2,432	108	27	6	18	36	193	NA	--	--	NA	689	--	--	--	
1990	5	2,623	92	27	2	21	37	178	(s)	--	--	(s)	838	--	--	--	
1995	5	3,031	82	28	4	3	23	140	(s)	--	--	(s)	953	--	--	--	
2000	4	3,182	84	39	5	9	15	152	(s)	--	--	(s)	1,159	--	--	--	
2005	4	2,999	77	34	4	9	18	142	(s)	--	--	(s)	1,275	--	--	--	
2006	3	2,832	69	32	3	9	12	125	(s)	--	--	(s)	1,300	--	--	--	
2007	3	3,013	66	32	2	12	12	123	(s)	--	--	(s)	1,336	--	--	--	
2008	4	3,153	66	41	1	9	11	128	(s)	--	--	1	1,336	--	--	--	
2009	3	3,119	68	36	1	10	11	127	(s)	--	--	1	1,307	--	--	--	
2010	3	3,103	68	36	1	10	10	125	(s)	--	--	1	1,330	--	--	--	
2011	3	3,155	68	37	1	9	9	123	(s)	--	--	2	1,328	--	--	--	
2012	2	2,895	62	35	(s)	8	5	110	(s)	--	--	3	1,327	--	--	--	
2013	2	3,295	59	39	(s)	8	4	111	(s)	--	--	4	1,337	--	--	--	
2014	2	3,466	62	42	(s)	11	1	116	(s)	--	--	6	1,352	--	--	--	
2015	2	3,202	62	39	(s)	74	1	176	(s)	--	--	6	1,361	--	--	--	
2016	1	3,110	56	39	(s)	74	1	171	(s)	--	--	7	1,367	--	--	--	
2017	1	3,165	56	41	(s)	71	1	169	(s)	--	--	8	1,353	--	--	--	
2018	1	3,514	56	46	(s)	72	(s)	175	(s)	--	--	10	1,382	--	--	--	
2019	1	3,515	57	47	(s)	73	(s)	178	(s)	--	--	12	1,361	--	--	--	
2020	1	R 3,163	48	52	(s)	73	(s)	174	(s)	--	--	13	1,287	--	--	--	
2021	1	R 3,289	57	56	(s)	74	1	188	(s)	--	--	16	1,328	--	--	--	
2022	1	3,509	58	52	(s)	87	1	198	(s)	--	--	18	1,391	--	--	--	

Trillion Btu																
1960	402	1,056	494	81	48	67	559	1,248	NA	12	NA	NA	543	3,261	R 1,096	R 4,357
1965	263	1,483	534	103	54	77	645	1,413	NA	9	NA	NA	789	3,956	R 1,552	R 5,509
1970	163	2,455	587	143	61	86	714	1,592	NA	8	NA	NA	1,201	5,418	R 2,463	R 7,881
1975	146	2,556	587	130	49	89	492	1,346	NA	8	NA	NA	1,598	5,654	R 3,266	R 8,920
1980	117	2,666	518	88	41	107	565	1,318	NA	21	NA	NA	1,906	5,994	R 4,059	R 10,053
1985	138	2,503	631	95	33	96	228	1,083	NA	24	NA	NA	2,351	R 6,068	R 4,781	R 10,849
1990	124	2,698	536	102	12	111	230	991	R (s)	94	3	(s)	2,860	R 6,740	R 5,942	R 12,682
1995	116	3,117	478	109	22	18	141	769	R (s)	113	5	(s)	3,252	R 7,346	R 6,647	R 13,993
2000	86	3,261	490	151	30	44	92	807	R (s)	119	8	(s)	3,956	R 8,216	R 8,298	R 16,514
2005	96	3,083	447	132	22	46	116	762	R (s)	104	14	(s)	4,351	R 8,396	R 8,706	R 17,102
2006	64	2,908	400	123	15	48	75	662	R (s)	101	14	(s)	4,435	R 8,172	R 8,718	R 16,890
2007	70	3,095	381	122	9	60	75	648	R (s)	101	14	(s)	4,560	R 8,477	R 9,012	R 17,489
2008	80	3,235	384	158	4	45	71	663	R (s)	107	15	(s)	4,559	R 8,648	R 8,915	R 17,563
2009	73	3,199	395	139	4	52	71	661	R (s)	109	17	(s)	4,459	R 8,506	R 8,484	R 16,990
2010	70	3,173	391	140	5	52	62	650	R (s)	108	19	(s)	4,539	R 8,548	R 8,599	R 17,146
2011	62	3,226	391	143	3	44	54	635	(s)	112	20	(s)	4,531	R 8,580	R 8,296	R 16,876
2012	44	2,968	355	136	1	39	31	562	(s)	106	20	(s)	4,528	R 8,227	R 8,143	R 16,370
2013	41	3,391	343	152	1	40	24	560	(s)	117	20	(s)	4,562	R 8,695	R 8,141	R 16,836
2014	40	3,584	356	160	2	54	8	581	(s)	123	20	(s)	4,614	R 8,967	R 8,159	R 17,126
2015	31	3,327	359	148	1	376	4	889	(s)	126	20	(s)	4,643	R 9,045	R 7,996	R 17,041
2016	24	3,235	325	150	2	375	4	857	R 1	132	20	(s)	4,665	R 8,944	R 7,837	R 16,781
2017	21	3,291	322	156	1	361	4	844	R 1	131	20	(s)	4,616	R 8,939	R 7,543	R 16,483
2018	19	3,655	322	176	1	366	3	869	R 1	131	20	(s)	4,715	R 9,432	R 7,589	R 17,021
2019	17	R 3,661	327	182	2	369	2	882	R 1	123	20	(s)	4,643	R 9,375	R 7,212	R 16,587
2020	14	R 3,296	276	201	2	371	2	852	R 1	121	20	(s)	4,393	R 8,732	R 6,567	R 15,299
2021	15	R 3,425	328	217	1	375	3	924	R 1	122	20	(s)	4,533	R 9,082	R 6,794	R 15,876
2022	15	3,655	332	202	1	440	3	978	1	158	20	(s)	4,746	9,622	6,923	16,545

^a Includes supplemental gaseous fuels that are commingled with natural gas.
^b Hydrocarbon gas liquids, assumed to be propane only.
^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 small amounts of petroleum coke not shown separately.
^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 Solar thermal and photovoltaic energy. Excludes a small amount of solar thermal energy consumed as heat that is included in the residential sector.
ⁱ Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers.
^j 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 commercial utility-scale facilities.
^k 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.
Notes: Totals may not equal sum of components due to independent rounding. The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. The continuity of these data series estimates may be affected by 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/>