

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

Year	Coal Thousand short tons	Natural gas ^a Billion cubic feet	Petroleum					Hydro-electric power ^{e,f} Million kilowatthours	Biomass Wood and waste ^g	Geothermal ^f	Solar ^{f,h} Million kilowatthours	Electricity ⁱ Million kilowatthours	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
			Thousand barrels													
1960	373	28	1,046	390	94	178	232	1,940	NA	--	--	NA	1,812	--	--	
1965	211	39	941	558	54	194	135	1,882	NA	--	--	NA	2,797	--	--	
1970	78	57	895	803	13	271	65	2,047	NA	--	--	NA	3,655	--	--	
1975	97	67	722	800	6	323	115	1,966	NA	--	--	NA	5,121	--	--	
1980	71	51	751	458	5	350	79	1,642	NA	--	--	NA	5,502	--	--	
1985	217	48	1,167	352	7	237	1	1,765	NA	--	--	NA	6,306	--	--	
1990	196	44	576	323	38	142	30	1,108	0	--	--	0	7,532	--	--	
1995	78	50	415	466	3	35	0	940	0	--	--	0	8,890	--	--	
2000	232	46	481	624	6	533	3	1,675	0	--	--	0	9,932	--	--	
2005	252	45	316	410	15	741	3	1,532	0	--	--	0	11,271	--	--	
2006	276	43	632	521	4	1,359	3	2,568	0	--	--	0	11,660	--	--	
2007	290	46	247	531	3	1,609	0	2,451	0	--	--	0	12,084	--	--	
2008	257	56	374	699	1	1,483	0	2,607	0	--	--	0	12,178	--	--	
2009	265	57	512	1,038	1	1,759	0	3,353	0	--	--	0	11,706	--	--	
2010	266	52	467	644	2	2,282	3	3,458	0	--	--	(s)	12,025	--	--	
2011	247	52	680	782	2	2,142	0	3,638	0	--	--	(s)	12,088	--	--	
2012	213	44	969	602	1	2,141	3	3,780	0	--	--	1	12,210	--	--	
2013	210	57	966	634	1	2,197	0	3,860	0	--	--	4	12,445	--	--	
2014	209	57	887	649	1	2,078	0	3,707	0	--	--	16	12,339	--	--	
2015	173	49	904	500	1	2,657	0	4,153	0	--	--	27	12,072	--	--	
2016	130	49	889	510	1	552	1	2,004	0	--	--	36	12,291	--	--	
2017	122	50	1,003	559	1	560	0	2,208	0	--	--	56	12,135	--	--	
2018	104	57	1,019	932	2	568	0	2,583	0	--	--	80	12,418	--	--	
2019	99	58	1,236	1,103	1	573	0	2,950	0	--	--	99	12,310	--	--	
2020	76	51	1,236	1,079	3	575	0	2,913	0	--	--	129	11,606	--	--	
2021	82	51	850	738	1	579	0	2,201	0	--	--	146	12,135	--	--	
2022	91	58	910	668	1	2,895	0	4,556	0	--	--	173	12,470	--	--	

Trillion Btu

1960	8.0	28.8	6.1	1.5	0.5	0.9	1.5	10.5	NA	0.1	NA	NA	6.2	53.6	R 12.5	R 66.0
1965	4.5	39.1	5.5	2.1	0.3	1.0	0.9	9.8	NA	(s)	NA	NA	9.5	62.9	R 18.8	R 81.7
1970	1.6	57.8	5.2	3.1	0.1	1.4	0.4	10.2	NA	(s)	NA	NA	12.5	82.1	R 25.5	R 107.6
1975	1.8	67.5	4.2	3.1	(s)	1.7	0.7	9.7	NA	(s)	NA	NA	17.5	96.5	R 35.7	R 132.2
1980	1.4	50.7	4.4	1.8	(s)	1.8	0.5	8.5	NA	0.3	NA	NA	18.8	79.7	R 39.9	R 119.6
1985	4.6	48.2	6.8	1.4	(s)	1.2	(s)	9.4	NA	0.3	NA	NA	21.5	76.0	R 43.7	R 119.7
1990	4.7	44.3	3.4	1.2	0.2	0.7	0.2	5.7	0.0	0.8	0.0	0.0	25.7	71.1	R 62.7	R 133.7
1995	1.9	50.6	2.4	1.8	(s)	0.2	0.0	4.5	0.0	1.0	0.1	0.0	30.3	78.0	R 73.5	R 151.4
2000	6.1	45.8	2.8	2.4	(s)	2.8	(s)	8.2	0.0	1.0	0.2	0.0	33.9	89.0	R 83.0	R 171.9
2005	5.9	45.4	1.8	1.6	0.1	3.8	(s)	7.6	0.0	1.6	0.5	0.0	38.5	93.2	R 87.5	R 180.7
2006	6.5	44.0	3.7	2.0	(s)	7.0	(s)	13.0	0.0	1.6	0.5	0.0	39.8	98.7	R 89.4	R 188.1
2007	6.8	46.8	1.4	2.0	(s)	8.3	0.0	12.1	0.0	1.4	0.5	0.0	41.2	103.7	R 89.4	R 193.1
2008	5.9	56.7	2.2	2.7	(s)	7.6	0.0	12.7	0.0	1.2	0.6	0.0	41.6	112.9	R 87.6	R 200.5
2009	6.1	57.1	3.0	4.0	(s)	9.0	0.0	16.1	0.0	1.4	0.6	0.0	39.9	115.0	R 79.0	R 194.0
2010	6.1	52.0	2.7	2.5	(s)	11.6	(s)	17.1	0.0	1.3	0.7	(s)	41.0	112.4	R 78.6	R 191.0
2011	5.7	52.3	3.9	3.0	(s)	10.8	0.0	18.0	0.0	1.4	0.7	(s)	41.2	113.8	R 76.2	R 190.0
2012	4.9	44.4	5.6	2.3	(s)	10.8	(s)	19.1	0.0	1.2	0.7	(s)	41.7	107.0	R 70.6	R 177.5
2013	4.8	58.2	5.6	2.4	(s)	11.1	0.0	19.5	0.0	1.3	0.7	(s)	42.5	121.8	R 69.4	R 191.1
2014	4.8	59.7	5.1	2.5	(s)	10.5	0.0	18.6	0.0	1.5	0.7	R 0.1	42.1	R 121.9	R 66.4	R 188.3
2015	3.9	51.8	5.2	1.9	(s)	13.4	0.0	21.1	0.0	1.6	0.7	R 0.1	41.2	R 115.4	R 60.0	R 175.4
2016	3.0	52.2	5.1	2.0	(s)	2.8	(s)	10.2	0.0	1.7	0.7	R 0.1	41.9	R 105.0	R 56.7	R 161.7
2017	2.8	52.5	5.8	2.1	(s)	2.8	0.0	11.2	0.0	1.5	0.7	R 0.2	41.4	R 105.6	R 54.3	R 159.9
2018	2.4	60.2	5.9	3.6	(s)	2.9	0.0	12.7	0.0	2.1	0.7	R 0.3	42.4	R 115.7	R 55.1	R 170.7
2019	2.2	61.6	7.1	4.2	(s)	2.9	0.0	14.5	0.0	2.2	0.7	R 0.3	42.0	R 119.0	R 47.7	R 166.8
2020	1.7	54.1	7.1	4.1	(s)	2.9	0.0	14.3	0.0	1.9	0.7	R 0.4	39.6	R 108.3	R 32.3	R 140.7
2021	1.8	54.4	4.9	2.8	(s)	2.9	0.0	10.9	0.0	1.8	0.7	R 0.5	41.4	R 107.0	R 36.9	R 143.9
2022	2.0	61.9	5.2	2.6	(s)	14.6	0.0	22.9	0.0	1.6	0.7	0.6	42.5	127.8	31.3	159.1

^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.

-- = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.

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/>