

I O W A Table CT7. Transportation sector energy consumption estimates, selected years, 1960-2022, Iowa

Year	Coal Thousand short tons	Natural gas ^a Billion cubic feet	Petroleum								Electricity ^f Million kilowatthours	End use ^{g,h}	Electrical system energy losses ⁱ	Total ^{g,h}
			Aviation gasoline	Distillate fuel oil ^b	HGL ^c	Jet fuel ^d	Lubricants	Motor gasoline ^e	Residual fuel oil	Total				
			Thousand barrels											
1960	38	9	366	1,711	23	195	516	23,488	227	26,526	0	--	--	--
1965	8	11	358	1,991	55	232	480	25,224	15	28,354	0	--	--	--
1970	3	18	256	4,339	58	725	480	30,039	26	35,923	0	--	--	--
1975	(s)	16	191	6,851	53	835	501	34,929	0	43,359	0	--	--	--
1980	0	13	184	7,924	34	813	522	32,432	0	41,909	0	--	--	--
1985	0	10	83	8,094	90	592	475	29,525	0	38,858	0	--	--	--
1990	0	9	99	9,352	42	891	534	30,470	(s)	41,389	0	--	--	--
1995	0	11	72	10,762	58	1,046	510	33,345	0	45,793	0	--	--	--
2000	0	8	78	12,049	9	771	544	35,436	0	48,888	(s)	--	--	--
2005	0	12	139	15,113	62	990	459	36,906	0	53,668	0	--	--	--
2006	0	13	52	15,752	61	1,033	447	37,368	0	54,713	1	--	--	--
2007	0	12	45	17,272	77	899	462	37,248	0	56,004	0	--	--	--
2008	0	14	77	16,555	135	786	429	36,697	0	54,678	0	--	--	--
2009	0	14	92	15,862	138	525	386	36,677	0	53,679	0	--	--	--
2010	0	11	70	16,822	9	990	345	37,206	0	55,442	0	--	--	--
2011	0	11	66	17,053	8	1,018	334	37,531	0	56,009	0	--	--	--
2012	0	10	58	16,338	7	1,064	298	35,392	0	53,157	0	--	--	--
2013	0	11	48	16,600	10	974	313	35,948	0	53,892	0	--	--	--
2014	0	13	50	17,408	9	953	328	36,895	0	55,644	0	--	--	--
2015	0	11	48	16,898	12	1,051	348	36,064	0	54,422	0	--	--	--
2016	0	9	40	16,947	15	1,045	R 344	39,765	0	R 58,157	0	--	--	--
2017	0	11	42	17,158	48	1,139	R 304	36,178	0	R 54,869	0	--	--	--
2018	0	12	42	17,566	204	1,143	R 289	35,828	0	R 55,072	0	--	--	--
2019	0	12	46	17,882	217	1,139	R 279	35,622	0	R 55,184	0	--	--	--
2020	0	10	42	17,845	30	808	R 256	31,269	0	R 50,250	0	--	--	--
2021	0	8	45	R 17,128	29	1,004	R 265	34,985	0	R 54,314	0	--	--	--
2022	0	8	46	17,483	32	1,122	284	34,638	0	54,543	0	--	--	--

Trillion Btu

1960	0.9	9.2	1.8	10.0	0.1	1.0	3.1	123.4	1.4	140.9	0.0	151.0	0.0	151.0
1965	0.2	11.2	1.8	11.6	0.2	1.3	2.9	132.5	0.1	150.4	0.0	161.7	0.0	161.7
1970	0.1	18.5	1.3	25.3	0.2	4.1	2.9	157.8	0.2	191.7	0.0	210.2	0.0	210.2
1975	(s)	16.2	1.0	39.9	0.2	4.7	3.0	183.5	0.0	232.3	0.0	248.5	0.0	248.5
1980	0.0	12.7	0.9	46.2	0.1	4.6	3.2	170.4	0.0	225.3	0.0	238.0	0.0	238.0
1985	0.0	10.5	0.4	47.1	0.3	3.3	2.9	155.1	0.0	209.2	0.0	222.3	0.0	222.3
1990	0.0	9.2	0.5	54.5	0.2	5.0	3.2	160.1	(s)	223.5	0.0	235.6	0.0	235.6
1995	0.0	11.1	0.4	62.6	0.2	5.9	3.1	173.5	0.0	245.8	0.0	256.9	0.0	256.9
2000	0.0	8.3	0.4	70.1	(s)	4.4	3.3	184.3	0.0	262.5	(s)	270.9	(s)	270.9
2005	0.0	11.7	0.7	87.9	0.2	5.6	2.8	191.6	0.0	288.9	0.0	300.8	0.0	300.8
2006	0.0	12.7	0.3	91.4	0.2	5.9	2.7	193.8	0.0	294.2	(s)	307.4	(s)	307.4
2007	0.0	12.4	0.2	99.9	0.3	5.1	2.8	191.5	0.0	299.9	0.0	313.0	0.0	313.0
2008	0.0	14.2	0.4	95.7	0.5	4.5	2.6	187.4	0.0	291.0	0.0	305.9	0.0	305.9
2009	0.0	13.9	0.5	91.6	0.5	3.0	2.3	186.7	0.0	284.6	0.0	298.6	0.0	298.6
2010	0.0	11.1	0.4	97.1	(s)	5.6	2.1	188.5	0.0	293.8	0.0	304.9	0.0	304.9
2011	0.0	10.9	0.3	98.4	(s)	5.8	2.0	190.0	0.0	296.6	0.0	307.5	0.0	307.5
2012	0.0	10.3	0.3	94.2	(s)	6.0	1.8	179.2	0.0	281.5	0.0	291.8	0.0	291.8
2013	0.0	11.7	0.2	95.7	(s)	5.5	1.9	181.9	0.0	285.3	0.0	297.0	0.0	297.0
2014	0.0	13.2	0.3	100.3	(s)	5.4	2.0	186.7	0.0	294.7	0.0	307.9	0.0	307.9
2015	0.0	11.5	0.2	97.4	(s)	6.0	2.1	182.4	0.0	288.1	0.0	299.6	0.0	299.6
2016	0.0	9.4	0.2	97.6	0.1	5.9	2.1	201.0	0.0	R 306.9	0.0	316.3	0.0	316.3
2017	0.0	11.1	0.2	98.8	0.2	6.5	1.8	182.8	0.0	290.3	0.0	301.4	0.0	301.4
2018	0.0	13.0	0.2	101.2	0.8	6.5	R 1.8	181.1	0.0	291.5	0.0	R 304.5	0.0	R 304.5
2019	0.0	12.7	0.2	103.0	0.8	6.5	R 1.7	180.0	0.0	R 292.2	0.0	304.9	0.0	304.9
2020	0.0	10.7	0.2	102.7	0.1	4.6	R 1.6	158.0	0.0	267.1	0.0	277.8	0.0	277.8
2021	0.0	8.1	0.2	R 98.7	0.1	5.7	1.6	176.7	0.0	R 287.6	0.0	R 295.7	0.0	R 295.7
2022	0.0	8.6	0.2	100.8	0.1	6.4	1.7	174.9	0.0	289.1	0.0	297.8	0.0	297.8

^a Transportation use of natural gas to operate pipelines and, since 1990, also includes vehicle fuel.

^b Beginning in 2009, includes biodiesel blended into distillate fuel oil. Beginning in 2011, includes renewable diesel blended into distillate fuel oil.

^c Hydrocarbon gas liquids, assumed to be propane only.

^d Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Industrial sector, Other petroleum." There is a discontinuity in this time series between 2009 and 2010 because of data source and methodology changes, see technical notes.

^e Beginning in 1993, includes fuel ethanol blended into motor gasoline.

^f Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers. Sales to public railroads and railway systems only. Excludes electric vehicles.

^g There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of fuel ethanol beginning in 1981.

^h For 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.

ⁱ 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.

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 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/>