

Table CT1. Energy consumption estimates for selected energy sources in physical units, selected years, 1960-2022, Iowa

Year	Coal Thousand short tons	Natural gas ^a Billion cubic feet	Petroleum							Nuclear electric power Million kilowatthours	Hydro-electric power ^g Million kilowatthours	Wind Million kilowatthours	Fuel ethanol ^h Thousand barrels	Biodiesel Thousand barrels
			Distillate fuel oil ^b Thousand barrels	HGL ^c Thousand barrels	Jet fuel ^d Thousand barrels	Motor gasoline ^e Thousand barrels	Residual fuel oil Thousand barrels	Other ^f Thousand barrels	Total Thousand barrels					
1960	5,258	187	11,163	5,017	195	29,463	1,071	6,288	53,197	0	881	0	NA	NA
1965	5,722	248	11,068	7,448	232	30,792	531	5,690	55,760	0	928	0	NA	NA
1970	6,166	349	13,677	11,038	725	35,701	401	4,986	66,528	0	935	0	NA	NA
1971	5,896	345	14,257	11,139	655	37,325	414	4,910	68,698	0	913	0	NA	NA
1972	6,945	345	14,941	12,506	730	38,404	509	4,948	72,038	0	993	0	NA	NA
1973	7,026	365	15,531	12,692	710	42,104	572	4,645	76,253	0	906	0	NA	NA
1974	6,173	368	14,825	13,369	749	38,847	697	4,535	73,022	1,330	891	0	NA	NA
1975	6,407	346	14,553	13,645	835	39,042	608	3,966	72,649	2,291	879	0	NA	NA
1976	8,311	311	15,088	18,586	964	40,738	931	4,679	80,987	2,479	645	0	NA	NA
1977	9,175	280	15,977	17,854	1,004	41,237	1,096	4,853	82,020	2,888	780	0	NA	NA
1978	10,110	238	16,915	15,698	1,127	40,927	921	5,160	80,749	1,209	930	0	NA	NA
1979	11,352	292	20,711	14,686	1,039	38,501	1,216	5,723	81,876	2,889	898	0	NA	NA
1980	12,340	270	15,930	11,167	813	35,394	415	3,805	67,523	2,563	946	0	NA	NA
1981	13,483	253	14,513	9,891	717	34,274	98	3,750	63,242	2,204	982	0	528	NA
1982	13,033	237	16,235	11,953	635	33,030	334	3,598	65,785	2,269	918	0	1,185	NA
1983	13,540	221	14,099	12,026	591	32,386	207	2,973	62,283	2,309	920	0	1,186	NA
1984	13,624	235	15,716	7,336	615	32,223	140	3,353	59,383	2,700	918	0	1,025	NA
1985	14,342	226	15,823	8,507	592	31,465	182	3,409	59,979	1,927	989	0	820	NA
1986	13,862	207	16,214	8,774	595	31,355	508	3,269	60,714	2,993	953	0	836	NA
1987	15,191	203	16,531	6,098	779	31,687	117	3,086	58,298	2,523	971	0	967	NA
1988	16,114	239	16,333	6,612	713	32,509	258	3,477	59,901	3,163	699	0	979	NA
1989	17,126	226	15,600	7,174	750	32,574	182	2,903	59,183	3,139	672	0	1,116	NA
1990	18,080	219	15,784	6,355	891	31,684	124	2,741	57,579	3,012	875	0	885	NA
1991	18,905	234	14,513	7,255	892	32,471	96	2,767	57,995	4,147	901	0	1,102	NA
1992	18,143	232	16,066	8,978	803	31,713	106	2,671	60,337	3,405	1,000	0	1,366	NA
1993	19,328	248	16,699	15,651	720	32,703	162	2,676	68,612	3,235	747	0	1,611	NA
1994	19,460	248	17,293	15,663	897	33,887	179	3,224	71,143	4,107	1,071	(s)	1,849	NA
1995	20,728	261	17,748	16,989	1,046	34,418	92	2,857	73,150	3,730	1,003	(s)	1,811	NA
1996	21,301	272	19,793	11,344	819	35,909	94	3,315	71,274	3,924	935	(s)	1,158	NA
1997	21,798	254	19,652	10,296	793	35,577	71	3,936	70,325	4,149	805	(s)	1,410	NA
1998	23,275	232	20,058	14,882	1,186	36,973	88	3,631	76,817	3,768	913	(s)	1,744	NA
1999	23,590	231	19,588	18,746	885	36,993	100	4,550	80,861	3,640	946	326	1,888	NA
2000	24,480	233	19,261	19,621	771	36,753	143	3,915	80,464	4,453	904	494	2,217	NA
2001	24,398	224	20,101	16,127	777	36,768	44	3,072	76,889	3,853	845	488	2,330	4
2002	24,676	226	19,706	18,317	782	38,004	62	3,593	80,464	4,574	946	919	2,391	6
2003	24,868	230	18,930	13,337	793	38,249	150	3,385	74,843	3,988	789	982	2,555	5
2004	24,975	227	20,407	18,974	910	39,445	282	4,115	84,132	4,929	946	1,050	2,701	10
2005	24,276	241	20,560	20,881	990	39,215	194	4,299	86,138	4,538	960	1,647	842	34
2006	24,607	238	21,313	21,192	1,033	40,429	47	3,828	87,842	5,095	909	2,318	765	98
2007	26,350	293	22,873	16,893	899	40,251	44	3,375	84,336	4,519	962	2,757	1,320	133
2008	27,894	326	23,026	20,523	786	39,281	170	3,246	87,034	5,282	819	4,084	2,356	114
2009	25,554	315	22,227	21,389	525	39,588	66	2,781	86,575	4,679	971	7,421	2,295	121
2010	28,393	311	23,781	19,838	990	40,808	24	2,359	87,800	4,451	948	9,170	3,882	98
2011	26,466	307	24,092	19,308	1,018	41,028	32	2,240	87,718	5,215	925	10,709	4,073	333
2012	24,305	295	23,929	15,584	1,064	38,519	11	2,381	81,487	4,347	766	14,032	3,784	554
2013	23,160	326	24,058	20,678	974	39,115	6	3,157	87,989	5,321	749	15,568	3,718	690
2014	23,008	329	25,199	20,899	953	39,744	6	3,164	89,967	4,152	879	16,307	4,090	794
2015	19,863	318	25,689	18,900	1,051	39,469	0	2,876	87,985	5,243	960	17,873	4,540	893
2016	16,904	330	26,020	19,059	1,045	41,192	1	R 2,949	R 90,267	4,703	917	20,072	4,683	1,091
2017	17,011	391	25,897	19,139	1,139	37,618	17	R 3,082	R 86,892	5,214	1,034	21,373	4,325	1,369
2018	18,734	443	26,247	21,797	1,143	37,266	11	R 2,827	R 89,291	4,895	925	21,334	4,239	1,382
2019	15,212	438	27,369	23,686	1,139	36,992	16	R 2,766	R 91,970	5,236	796	26,305	4,274	1,570
2020	10,397	403	R 27,187	21,893	808	32,656	0	R 3,391	R 85,935	2,905	1,025	34,182	3,768	1,589
2021	15,154	390	R 25,966	20,468	1,004	36,394	15	R 3,791	R 87,638	0	980	37,098	4,223	1,490
2022	13,003	438	26,461	21,438	1,122	38,391	15	3,563	90,989	0	1,010	45,761	4,490	1,597

^a Includes supplemental gaseous fuels that are commingled with natural gas.
^b Beginning in 2009, includes biodiesel blended into distillate fuel oil. Beginning in 2011, includes renewable diesel blended into distillate fuel oil. Excludes biofuels product supplied.
^c Hydrocarbon gas liquids, include natural gas liquids and refinery olefins.
^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 "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 Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, petroleum coke, and the "other petroleum products" category. See Technical Notes, Section 4.
^g Conventional hydroelectric power. For 1960 through 1989, includes hydroelectric pumped-storage, which cannot be

separately identified.
^h Includes denaturant. Because of differences in data sources and estimation methods, the ratio of fuel ethanol consumption and motor gasoline consumption should not be interpreted as the average ethanol blend rate.
 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 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/>