

Table CT8. Electric power sector consumption estimates, selected years, 1960-2022, Iowa

Year	Coal Thousand short tons	Natural gas ^a Billion cubic feet	Petroleum				Nuclear electric power Million kilowatthours	Hydroelectric power ^d Million kilowatthours	Biomass Wood and waste ^{e,f} Million kilowatthours	Geothermal ^f Million kilowatthours	Solar ^{f,g} Million kilowatthours	Wind ^f Million kilowatthours	Electricity net imports ^h Million kilowatthours	Total ^{f,i} Million kilowatthours
			Distillate fuel oil ^b	Petroleum coke	Residual fuel oil ^c	Total								
			Thousand barrels	Thousand barrels	Thousand barrels	Thousand barrels								
1960	2,118	49	259	0	39	298	0	879	--	0	NA	NA	0	--
1965	2,760	52	183	0	27	210	0	926	--	0	NA	NA	0	--
1970	4,030	78	327	0	49	375	0	934	--	0	NA	NA	0	--
1975	4,936	47	507	0	214	722	2,291	877	--	0	NA	NA	0	--
1980	10,745	7	168	0	63	231	2,563	945	--	0	NA	NA	0	--
1985	12,491	2	101	0	2	103	1,927	988	--	0	0	0	1,059	--
1990	15,482	4	123	0	0	123	3,012	875	--	0	0	0	0	--
1995	17,877	5	154	0	0	154	3,730	1,003	--	0	0	(s)	0	--
2000	21,317	5	223	0	0	223	4,453	904	--	0	0	494	(s)	--
2005	21,072	21	355	0	0	355	4,538	960	--	0	0	1,647	-1	--
2006	21,236	20	270	199	0	470	5,095	909	--	0	0	2,318	(s)	--
2007	23,019	26	442	256	0	699	4,519	962	--	0	0	2,757	(s)	--
2008	24,734	18	180	152	0	332	5,282	819	--	0	0	4,084	(s)	--
2009	22,607	10	128	53	0	180	4,679	971	--	0	0	7,421	(s)	--
2010	24,780	13	183	134	0	317	4,451	948	--	0	0	9,170	(s)	--
2011	22,677	10	158	138	0	296	5,215	925	--	0	0	10,705	(s)	--
2012	20,747	17	204	24	0	227	4,347	766	--	0	0	14,030	(s)	--
2013	19,517	12	183	0	0	183	5,321	749	--	0	0	15,565	0	--
2014	19,705	10	127	0	0	127	4,152	879	--	0	0	16,303	0	--
2015	16,840	16	94	0	0	94	5,243	960	--	0	0	17,870	0	--
2016	14,289	21	164	0	0	164	4,703	917	--	0	(s)	20,068	0	--
2017	14,478	29	121	0	0	121	5,214	1,034	--	0	5	21,368	0	--
2018	16,230	47	130	0	0	130	4,895	925	--	0	11	21,331	0	--
2019	12,787	47	137	0	0	137	5,236	796	--	0	15	26,301	0	--
2020	8,199	43	132	0	0	132	2,905	1,025	--	0	22	34,178	0	--
2021	13,022	42	247	0	0	247	0	980	--	0	225	37,095	0	--
2022	10,550	55	233	0	0	233	0	1,010	--	0	386	45,757	0	--

Trillion Btu

1960	44.0	50.3	1.5	0.0	0.2	1.8	0.0	R 3.0	0.3	0.0	NA	NA	0.0	R 99.3
1965	58.6	52.8	1.1	0.0	0.2	1.2	0.0	R 3.2	0.3	0.0	NA	NA	0.0	R 116.0
1970	84.2	78.6	1.9	0.0	0.3	2.2	0.0	R 3.2	0.4	0.0	NA	NA	0.0	R 168.6
1975	100.6	47.3	3.0	0.0	1.3	4.3	25.2	R 3.0	0.4	0.0	NA	NA	0.0	R 180.9
1980	200.2	6.9	1.0	0.0	0.4	1.4	28.0	R 3.2	0.3	0.0	NA	NA	0.0	R 240.0
1985	227.3	2.1	0.6	0.0	(s)	0.6	20.5	R 3.4	0.6	0.0	0.0	0.0	3.6	R 257.8
1990	276.0	4.2	0.7	0.0	0.0	0.7	31.9	R 3.0	0.2	0.0	0.0	0.0	0.0	R 315.0
1995	312.2	4.7	0.9	0.0	0.0	0.9	39.2	R 3.4	0.7	0.0	0.0	(s)	0.0	R 360.1
2000	378.2	4.8	1.3	0.0	0.0	1.3	46.4	R 3.1	0.8	0.0	0.0	R 1.7	(s)	R 435.7
2005	364.2	21.4	2.1	0.0	0.0	2.1	47.4	R 3.3	1.0	0.0	0.0	R 5.6	(s)	R 441.9
2006	367.3	19.7	1.6	1.1	0.0	2.7	53.2	R 3.1	1.1	0.0	0.0	R 7.9	(s)	R 452.0
2007	396.8	26.2	2.6	1.5	0.0	4.0	47.4	R 3.3	1.5	0.0	0.0	R 9.4	(s)	R 485.6
2008	421.8	17.8	1.0	0.9	0.0	1.9	55.2	R 2.8	1.7	0.0	0.0	R 13.9	0.0	R 513.4
2009	385.9	10.1	0.7	0.3	0.0	1.0	48.9	R 3.3	1.5	0.0	0.0	R 25.3	0.0	R 474.9
2010	421.7	12.7	1.1	0.8	0.0	1.8	46.5	R 3.2	1.5	0.0	0.0	R 31.3	0.0	R 517.3
2011	387.1	10.0	0.9	0.8	0.0	1.7	54.6	R 3.2	1.4	0.0	0.0	R 36.5	(s)	R 493.4
2012	354.1	16.9	1.2	0.1	0.0	1.3	45.6	R 2.6	1.4	0.0	0.0	R 47.9	(s)	R 467.8
2013	333.3	12.4	1.1	0.0	0.0	1.1	55.6	R 2.6	1.4	0.0	0.0	R 53.1	0.0	R 458.2
2014	337.7	11.0	0.7	0.0	0.0	0.7	43.4	R 3.0	1.7	0.0	0.0	R 55.6	0.0	R 452.1
2015	291.8	17.1	0.5	0.0	0.0	0.5	54.8	R 3.3	1.9	0.0	0.0	R 61.0	0.0	R 428.8
2016	249.6	22.1	0.9	0.0	0.0	0.9	49.2	R 3.1	1.9	0.0	(s)	R 68.5	0.0	R 393.3
2017	252.9	31.2	0.7	0.0	0.0	0.7	54.5	R 3.5	1.9	0.0	(s)	R 72.9	0.0	R 414.8
2018	279.3	50.8	0.7	0.0	0.0	0.7	51.2	R 3.2	1.8	0.0	(s)	R 72.8	0.0	R 455.6
2019	221.3	51.1	0.8	0.0	0.0	0.8	54.7	R 2.7	1.6	0.0	R 0.1	R 89.7	0.0	R 418.2
2020	142.7	47.4	0.8	0.0	0.0	0.8	30.3	R 3.5	1.8	0.0	R 0.1	R 116.6	0.0	R 339.3
2021	225.3	45.9	1.4	0.0	0.0	1.4	0.0	R 3.3	1.8	0.0	R 0.8	R 126.6	0.0	R 401.2
2022	183.5	58.9	1.3	0.0	0.0	1.3	0.0	3.4	1.6	0.0	1.3	156.1	0.0	401.8

^a Includes supplemental gaseous fuels that are commingled with natural gas.

^b Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. For 1980 through 2000, distillate fuel oil includes fuel oil Nos. 1 and 2, and small amounts of kerosene and jet fuel.

^c Prior to 1980, based on oil used in steam plants. For 1980 through 2000, residual fuel oil includes fuel oil Nos. 4, 5, and 6.

^d Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.

^e Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.

^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 Solar thermal and photovoltaic energy.

^h Electricity traded with Canada and Mexico. Btu value calculated by converting net imports in kilowatthours by 3,412 Btu per kilowatthour.

ⁱ 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 the total.

-- = Not applicable. NA = Not available.

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

Notes: Totals may not equal sum of components due to independent rounding. The electric power sector consists of electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. Through 1988, data are for electric utilities only. Beginning in 1989, data include independent power producers. 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/>