Table CT6. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2021, Utah

Year	Coal	Natural Gas [a]	Petroleum						Hydro-electric Power [e,f]	Biomass		Geo-thermal [f]	Solar [f,i]	Electricity [j]	End Use [f,k]	Electrical System Energy Losses [l]	Total [f,k]
			Distillate Fuel Oil	HGL [b]	Motor Gasoline [c]	Residual Fuel Oil	Other [d]	Total		Wood and Waste [f,g]	Losses and Co-products [h]						
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels						Million kWh				Million kWh				
1960	2,640	33	990	124	299	2,399	2,831	6,642	(s)	– –	– –	– –	NA	1,822	– –	– –	– –
1965	2,306	57	1,163	70	233	2,895	3,550	7,910	3	– –	– –	– –	NA	1,404	– –	– –	– –
1970	2,477	63	1,564	116	261	2,068	4,240	8,249	3	– –	– –	– –	NA	1,648	– –	– –	– –
1975	2,478	55	3,356	495	266	3,285	4,138	11,541	0	– –	– –	– –	NA	2,968	– –	– –	– –
1980	1,974	51	2,220	876	165	2,386	4,249	9,897	0	– –	– –	– –	NA	4,448	– –	– –	– –
1985	1,726	46	989	668	220	360	3,831	6,068	0	– –	– –	– –	NA	4,458	– –	– –	– –
1990	1,907	55	1,520	524	198	245	4,161	6,649	0	– –	– –	– –	0	5,766	– –	– –	– –
1995	1,905	69	1,383	1,252	323	282	4,738	7,977	0	– –	– –	– –	0	6,957	– –	– –	– –
2000	2,151	64	1,730	1,068	240	54	4,785	7,877	0	– –	– –	– –	0	7,917	– –	– –	– –
2001	1,783	54	1,802	752	500	0	4,626	7,680	0	– –	– –	– –	0	7,411	– –	– –	– –
2002	592	49	1,819	503	517	82	3,773	6,695	0	– –	– –	– –	0	7,019	– –	– –	– –
2003	611	46	2,473	45	551	111	5,853	9,033	0	– –	– –	– –	0	7,646	– –	– –	– –
2004	1,330	46	2,095	88	591	171	5,053	7,997	0	– –	– –	– –	0	7,816	– –	– –	– –
2005	1,431	46	3,252	317	587	217	5,033	9,406	0	– –	– –	– –	0	7,989	– –	– –	– –
2006	680	53	3,683	398	612	242	4,773	9,708	0	– –	– –	– –	0	8,356	– –	– –	– –
2007	911	56	2,647	453	524	309	4,448	8,382	0	– –	– –	– –	0	8,759	– –	– –	– –
2008	873	53	2,652	166	485	441	4,352	8,096	0	– –	– –	– –	0	9,086	– –	– –	– –
2009	718	52	1,916	111	469	130	4,326	6,952	0	– –	– –	– –	(s)	8,594	– –	– –	– –
2010	717	56	1,576	293	366	14	4,986	7,235	0	– –	– –	– –	(s)	8,808	– –	– –	– –
2011	598	60	2,097	R 211	393	1	5,159	R 7,861	0	– –	– –	– –	(s)	9,333	– –	– –	– –
2012	588	68	2,326	R 408	390	1	5,291	8,417	0	– –	– –	– –	1	9,694	– –	– –	– –
2013	645	72	2,842	R 258	393	2	4,769	R 8,264	0	– –	– –	– –	2	10,010	– –	– –	– –
2014	614	68	3,197	R 290	311	4	4,680	R 8,482	0	– –	– –	– –	3	9,965	– –	– –	– –
2015	662	68	2,373	R 181	410	4	4,765	R 7,734	0	– –	– –	– –	5	9,405	– –	– –	– –
2016	575	65	2,209	R 343	415	0	5,162	R 8,129	0	– –	– –	– –	6	9,187	– –	– –	– –
2017	485	62	2,593	R 219	420	0	5,355	R 8,587	0	– –	– –	– –	8	9,283	– –	– –	– –
2018	378	60	2,887	R 255	433	3	5,069	R 8,646	0	– –	– –	– –	8	9,393	– –	– –	– –
2019	382	61	2,574	R 276	434	0	R 5,184	R 8,468	0	– –	– –	– –	9	9,491	– –	– –	– –
2020	306	58	2,404	R 296	439	0	R 5,169	R 8,308	0	– –	– –	– –	10	9,672	– –	– –	– –
2021	335	58	2,503	295	430	1	5,036	8,266	0	– –	– –	– –	11	9,472	– –	– –	– –
									Trillion Btu								
1960	70.5	34.7	5.8	0.5	1.6	15.1	17.5	40.4	(s)	0.3	NA	NA	NA	6.2	152.1	15.4	167.5
1965	61.5	52.3	6.8	0.3	1.2	18.2	21.8	48.2	(s)	0.3	NA	NA	NA	4.8	167.2	11.4	178.6
1970	65.2	59.2	9.1	0.4	1.4	13.0	26.4	50.3	(s)	0.5	NA	NA	NA	5.6	180.9	13.6	194.5
1975	64.7	52.3	19.6	1.7	1.4	20.7	25.6	68.9	0.0	0.8	NA	NA	NA	10.1	196.9	24.3	221.2
1980	50.7	55.8	12.9	3.1	0.9	15.0	26.4	58.3	0.0	0.6	NA	NA	NA	15.2	180.6	36.5	217.1
1985	44.1	49.9	5.8	2.3	1.2	2.3	24.3	35.8	0.0	0.7	0.0	NA	NA	15.2	145.8	34.8	180.6
1990	48.7	60.1	8.9	1.8	1.0	1.5	25.9	39.1	0.0	0.2	0.0	0.2	0.0	19.7	168.0	40.5	208.4
1995	47.6	73.8	8.0	4.3	1.7	1.8	29.9	45.7	0.0	0.2	0.0	0.3	0.0	23.7	191.3	52.3	243.5
2000	54.1	67.3	10.1	3.7	1.2	0.3	30.3	45.6	0.0	0.2	0.0	0.4	0.0	27.0	194.6	59.6	254.2
2001	44.0	56.4	10.5	2.6	2.6	0.0	28.7	44.3	0.0	0.3	0.0	0.4	0.0	25.3	170.7	55.3	226.0
2002	13.6	51.5	10.6	1.7	2.7	0.5	23.0	38.6	0.0	0.2	0.0	0.4	0.0	24.0	128.2	53.7	181.9
2003	14.2	49.2	14.4	0.2	2.9	0.7	36.7	54.8	0.0	0.2	0.0	0.3	0.0	26.1	144.7	57.4	202.1
2004	28.0	48.4	12.2	0.3	3.1	1.1	31.6	48.2	0.0	0.2	0.0	0.3	0.0	26.7	151.8	58.5	210.3
2005	33.0	49.0	18.9	1.1	3.0	1.4	31.3	55.8	0.0	0.2	0.0	0.4	0.0	27.3	165.6	62.1	227.7
2006	15.7	56.1	21.4	1.4	3.2	1.5	29.5	56.9	0.0	0.4	0.0	0.4	0.0	28.5	158.0	60.4	218.3
2007	20.8	59.2	15.3	1.5	2.7	1.9	27.4	48.9	0.0	0.4	0.0	0.4	0.0	29.9	159.5	58.9	218.4
2008	19.8	56.8	15.3	0.6	2.5	2.8	27.0	48.1	0.0	0.4	0.0	0.5	0.0	31.0	156.6	60.1	216.7
2009	16.1	54.0	11.1	0.4	2.4	0.8	26.9	41.6	0.0	0.4	0.0	0.4	(s)	29.3	141.8	58.8	200.6
2010	16.5	58.3	9.1	1.1	1.9	0.1	30.9	43.1	0.0	0.5	0.0	0.3	(s)	30.1	148.9	61.4	210.3
2011	13.8	62.3	12.1	0.8	2.0	(s)	32.1	47.0	0.0	0.2	0.0	0.3	(s)	31.8	155.4	65.5	R 220.8
2012	13.5	70.6	13.4	1.6	2.0	(s)	32.9	49.9	0.0	0.2	(s)	0.4	(s)	33.1	167.7	67.7	235.3
2013	14.7	75.8	16.4	1.0	2.0	(s)	29.5	48.8	0.0	0.2	(s)	0.4	(s)	34.2	174.0	69.7	243.7
2014	13.9	71.0	18.4	1.1	1.6	(s)	28.9	50.1	0.0	0.2	(s)	0.4	(s)	34.0	169.6	66.5	236.1
2015	15.1	70.7	13.7	0.7	2.1	(s)	29.5	R 45.9	0.0	0.2	(s)	0.4	(s)	32.1	R 164.4	63.0	227.5
2016	13.1	67.6	12.7	R 1.3	2.1	0.0	32.7	R 48.8	0.0	0.2	0.0	0.4	0.1	31.3	R 161.5	60.3	221.9
2017	11.1	64.4	14.9	0.8	2.1	0.0	33.9	51.8	0.0	0.2	0.0	0.4	0.1	31.7	159.6	R 63.2	R 222.8
2018	8.7	63.0	16.6	1.0	2.2	(s)	32.1	51.9	0.0	0.2	0.0	0.4	0.1	32.0	156.3	R 62.0	218.2
2019	8.7	63.5	14.8	1.1	2.2	0.0	32.7	50.8	0.0	0.2	0.0	0.4	0.1	32.4	156.0	R 62.6	218.6
2020	7.1	60.4	13.8	R 1.1	2.2	0.0	32.6	49.8	0.0	0.2	0.0	0.4	0.1	33.0	R 150.9	R 64.0	214.9
2021	7.7	61.2	14.4	1.1	2.2	(s)	31.8	49.6	0.0	0.2	0.0	0.4	0.1	32.3	151.5	60.7	212.2

[a] Includes supplemental gaseous fuels that are commingled with natural gas.
[b] Hydrocarbon gas liquids, include natural gas liquids and refinery olefins.
[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 asphalt and road oil, kerosene, lubricants, petroleum coke, and the "other petroleum products" category. See Technical Notes, Section 4.
[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] Losses and co-products from the production of biodiesel and fuel ethanol.
[i] Solar thermal and photovoltaic energy. Excludes a small amount of solar thermal energy consumed as heat that is included in the residential sector.
[j] Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers.
[k] 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 industrial utility-scale facilities.
[l] 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) = 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 industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. · 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/