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

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	41	0	234	99	0	252	346	931	64	– –	– –	– –	NA	191	– –	– –	– –
1965	14	0	316	77	100	484	301	1,278	53	– –	– –	– –	NA	352	– –	– –	– –
1970	3	1	463	121	68	466	372	1,489	62	– –	– –	– –	NA	787	– –	– –	– –
1975	2	2	364	179	77	421	196	1,237	67	– –	– –	– –	NA	858	– –	– –	– –
1980	2	2	501	245	19	235	156	1,155	70	– –	– –	– –	NA	1,247	– –	– –	– –
1985	6	2	500	70	117	98	445	1,230	70	– –	– –	– –	NA	1,518	– –	– –	– –
1990	1	2	554	85	81	115	146	981	17	– –	– –	– –	(s)	1,381	– –	– –	– –
1995	0	2	328	220	89	144	278	1,058	18	– –	– –	– –	(s)	1,484	– –	– –	– –
2000	0	4	381	223	79	207	277	1,166	20	– –	– –	– –	(s)	1,646	– –	– –	– –
2001	0	3	366	303	170	149	358	1,344	16	– –	– –	– –	(s)	1,608	– –	– –	– –
2002	0	3	338	229	179	132	205	1,083	16	– –	– –	– –	(s)	1,592	– –	– –	– –
2003	0	2	445	139	210	141	178	1,112	6	– –	– –	– –	(s)	1,460	– –	– –	– –
2004	0	3	586	145	237	151	537	1,656	21	– –	– –	– –	(s)	1,577	– –	– –	– –
2005	0	3	560	259	235	156	210	1,419	21	– –	– –	– –	(s)	1,644	– –	– –	– –
2006	0	3	509	411	264	130	149	1,463	22	– –	– –	– –	(s)	1,626	– –	– –	– –
2007	0	3	396	220	198	151	352	1,318	2	– –	– –	– –	(s)	1,635	– –	– –	– –
2008	0	3	519	165	115	117	59	976	21	– –	– –	– –	(s)	1,565	– –	– –	– –
2009	0	3	533	91	114	105	622	1,466	25	– –	– –	– –	(s)	1,383	– –	– –	– –
2010	0	3	551	74	149	97	798	R 1,668	25	– –	– –	– –	(s)	1,446	– –	– –	– –
2011	0	3	678	74	149	96	743	1,740	24	– –	– –	– –	(s)	1,417	– –	– –	– –
2012	0	3	608	70	127	56	739	1,600	23	– –	– –	– –	(s)	1,422	– –	– –	– –
2013	0	1	497	107	129	90	819	1,642	0	– –	– –	– –	(s)	1,446	– –	– –	– –
2014	0	2	539	86	124	61	786	R 1,595	0	– –	– –	– –	(s)	1,418	– –	– –	– –
2015	0	2	521	R 75	95	27	759	R 1,477	0	– –	– –	– –	(s)	1,422	– –	– –	– –
2016	0	2	550	R 52	91	14	642	R 1,350	0	– –	– –	– –	(s)	1,446	– –	– –	– –
2017	0	2	591	R 124	92	16	734	R 1,557	0	– –	– –	– –	2	1,424	– –	– –	– –
2018	0	2	603	R 77	93	17	633	R 1,423	0	– –	– –	– –	2	1,411	– –	– –	– –
2019	0	2	619	R 41	90	16	R 554	R 1,321	0	– –	– –	– –	2	1,412	– –	– –	– –
2020	0	2	696	R 65	91	7	R 678	R 1,536	0	– –	– –	– –	2	1,369	– –	– –	– –
2021	0	2	571	50	90	17	647	1,376	0	– –	– –	– –	2	1,371	– –	– –	– –
			Trillion Btu														
1960	1.1	0.0	1.4	0.4	0.0	1.6	2.2	5.5	0.7	4.4	NA	NA	NA	0.7	12.3	1.6	14.0
1965	0.4	0.0	1.8	0.3	0.5	3.0	1.9	7.6	0.6	4.1	NA	NA	NA	1.2	13.8	2.9	16.7
1970	0.1	1.1	2.7	0.4	0.4	2.9	2.4	8.8	0.6	4.3	NA	NA	NA	2.7	17.6	6.5	24.1
1975	0.1	1.5	2.1	0.6	0.4	2.6	1.1	6.9	0.7	4.1	NA	NA	NA	2.9	16.3	7.0	23.3
1980	(s)	1.6	2.9	0.9	0.1	1.5	0.9	6.3	0.7	9.5	NA	NA	NA	4.3	22.4	10.2	32.7
1985	0.1	1.9	2.9	0.2	0.6	0.6	2.8	7.2	0.7	11.2	0.0	NA	NA	5.2	26.3	11.9	38.1
1990	(s)	1.8	3.2	0.3	0.4	0.7	0.8	5.5	0.2	2.1	0.0	0.0	(s)	4.7	14.4	8.4	22.8
1995	0.0	2.1	1.9	0.8	0.5	0.9	1.8	5.9	0.2	3.2	0.0	0.0	(s)	5.1	16.5	6.8	23.3
2000	0.0	4.0	2.2	0.8	0.4	1.3	1.7	6.4	0.2	3.0	0.0	0.0	(s)	5.6	19.2	8.0	27.2
2001	0.0	2.6	2.1	1.0	0.9	0.9	2.3	7.3	0.2	2.6	0.0	0.0	(s)	5.5	18.1	8.3	26.5
2002	0.0	3.1	2.0	0.8	0.9	0.8	1.3	5.8	0.2	1.3	0.0	0.0	(s)	5.4	15.8	9.8	25.7
2003	0.0	2.5	2.6	0.5	1.1	0.9	1.1	6.1	0.1	1.2	0.0	0.0	(s)	5.0	14.9	9.8	24.7
2004	0.0	2.8	3.4	0.5	1.2	0.9	3.5	9.6	0.2	1.5	0.0	0.0	(s)	5.4	19.5	10.1	29.5
2005	0.0	2.6	3.3	0.9	1.2	1.0	1.3	7.7	0.2	2.2	0.0	0.0	(s)	5.6	18.3	9.8	28.1
2006	0.0	2.8	3.0	1.4	1.4	0.8	1.0	7.5	0.2	2.5	0.0	0.0	(s)	5.5	18.5	9.6	28.1
2007	0.0	3.0	2.3	0.7	1.0	1.0	2.3	7.3	(s)	1.6	0.0	0.0	(s)	5.6	17.5	9.1	26.6
2008	0.0	3.0	3.0	0.6	0.6	0.7	0.4	5.3	0.2	1.5	0.0	0.0	(s)	5.3	15.4	8.8	24.1
2009	0.0	2.9	3.1	0.3	0.6	0.7	4.1	8.7	0.2	1.4	0.0	0.0	(s)	4.7	18.0	7.7	25.8
2010	0.0	2.9	3.2	0.3	0.8	0.6	5.3	10.1	0.2	2.2	0.0	0.0	(s)	4.9	20.4	8.1	28.5
2011	0.0	2.8	3.9	0.3	0.8	0.6	4.9	10.5	0.2	0.4	0.0	0.0	(s)	4.8	18.8	7.8	26.6
2012	0.0	2.7	3.5	0.3	0.6	0.4	4.9	9.6	0.2	0.4	0.0	0.0	(s)	4.9	17.9	3.8	21.7
2013	0.0	1.3	2.9	0.4	0.7	0.6	5.4	9.9	0.0	0.4	0.0	0.0	(s)	4.9	16.6	4.0	20.5
2014	0.0	1.9	3.1	0.3	0.6	0.4	5.1	9.6	0.0	0.4	0.0	0.0	(s)	4.8	16.8	4.1	20.8
2015	0.0	2.1	3.0	0.3	0.5	0.2	5.0	8.9	0.0	0.4	0.0	0.0	(s)	4.9	16.3	1.7	18.0
2016	0.0	2.2	3.2	0.2	0.5	0.1	4.2	8.1	0.0	0.4	0.0	0.0	(s)	4.9	15.7	2.0	17.7
2017	0.0	2.3	3.4	0.5	0.5	0.1	4.8	9.3	0.0	0.2	0.0	0.0	(s)	4.9	16.6	1.8	18.4
2018	0.0	2.4	3.5	0.3	0.5	0.1	4.1	8.5	0.0	0.2	0.0	0.0	(s)	4.8	15.9	1.9	17.8
2019	0.0	2.5	3.6	0.2	0.5	0.1	3.6	7.9	0.0	0.2	0.0	0.0	(s)	4.8	15.4	1.4	16.8
2020	0.0	2.3	4.0	R 0.2	0.5	(s)	4.4	9.2	0.0	0.2	0.0	0.0	(s)	4.7	16.4	1.3	17.7
2021	0.0	2.1	3.3	0.2	0.5	0.1	4.2	8.3	0.0	0.2	0.0	0.0	(s)	4.7	15.3	1.3	16.6

[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/