

HAWAII Table CT5. Commercial sector energy consumption estimates, selected years, 1960-2022, Hawaii

Year		Natural gas ^a	Petroleum						Hydro-electric power ^{e,f}	Biomass		Geothermal ^f	Solar ^{f,h}	Electricity ⁱ	End use ^{f,j}	Electrical system energy losses ^k	Total ^{f,j}
	Coal		Distillate fuel oil	HGL ^b	Kerosene	Motor gasoline ^c	Residual fuel oil	Total ^d									
	Thousand short tons	Billion cubic feet	Thousand barrels							Million kilowatthours	Wood and waste ^{f,g}		Million kilowatthours				
1960	0	0	48	42	23	55	41	209	NA	--	--	NA	306	--	--	--	
1965	0	0	71	83	39	59	31	283	NA	--	--	NA	495	--	--	--	
1970	0	0	174	328	87	133	38	760	NA	--	--	NA	771	--	--	--	
1975	0	0	84	235	45	98	15	477	NA	--	--	NA	1,109	--	--	--	
1980	0	2	398	315	0	54	25	792	NA	--	--	NA	1,462	--	--	--	
1985	0	2	132	74	1	47	21	275	NA	--	--	NA	1,612	--	--	--	
1990	0	2	453	93	(s)	59	825	1,430	0	--	--	(s)	2,253	--	--	--	
1995	0	2	343	63	(s)	11	62	480	0	--	--	(s)	2,779	--	--	--	
2000	0	2	218	320	(s)	11	8	558	0	--	--	(s)	3,092	--	--	--	
2005	0	2	384	251	(s)	12	3	651	0	--	--	1	3,463	--	--	--	
2006	0	2	392	257	(s)	12	1	662	0	--	--	4	3,490	--	--	--	
2007	0	2	282	223	(s)	12	(s)	517	0	--	--	7	3,520	--	--	--	
2008	0	2	221	403	(s)	12	0	636	0	--	--	15	3,501	--	--	--	
2009	0	2	272	540	(s)	12	0	825	0	--	--	25	3,388	--	--	--	
2010	0	2	265	531	(s)	12	0	808	0	--	--	35	3,355	--	--	--	
2011	0	2	299	631	(s)	12	0	943	0	--	--	59	3,368	--	--	--	
2012	0	2	266	554	(s)	12	0	833	0	--	--	123	3,238	--	--	--	
2013	0	2	255	599	(s)	13	0	867	0	--	--	175	3,271	--	--	--	
2014	0	2	323	652	(s)	12	0	987	0	--	--	228	3,202	--	--	--	
2015	0	2	225	604	0	309	0	1,138	0	--	--	243	3,174	--	--	--	
2016	0	2	157	606	0	314	0	1,076	0	--	--	279	3,111	--	--	--	
2017	0	2	205	787	0	319	0	1,311	0	--	--	360	3,082	--	--	--	
2018	0	3	236	740	0	324	0	1,301	0	--	--	406	3,033	--	--	--	
2019	0	3	317	803	0	326	0	1,446	0	--	--	435	3,058	--	--	--	
2020	0	2	226	730	0	328	0	1,283	0	--	--	464	2,684	--	--	--	
2021	0	2	233	897	0	331	0	1,460	0	--	--	476	2,785	--	--	--	
2022	0	2	222	836	0	341	0	1,399	0	--	--	493	2,838	--	--	--	

Trillion Btu																	
1960	0.0	0.0	0.3	0.2	0.1	0.3	0.3	1.1	NA	0.0	NA	NA	1.0	2.2		3.1	5.3
1965	0.0	0.0	0.4	0.3	0.2	0.3	0.2	1.5	NA	0.0	NA	NA	1.7	3.1		R 3.8	7.0
1970	0.0	0.0	1.0	1.3	0.5	0.7	0.2	3.7	NA	0.0	NA	NA	2.6	6.3		6.2	12.5
1975	0.0	0.0	0.5	0.9	0.3	0.5	0.1	2.3	NA	0.0	NA	NA	3.8	6.0		8.5	14.5
1980	0.0	1.7	2.3	1.2	0.0	0.3	0.2	4.0	NA	0.0	NA	NA	5.0	9.0		11.1	R 20.0
1985	0.0	2.0	0.8	0.3	(s)	0.2	0.1	1.4	NA	0.0	NA	NA	5.5	6.9		R 11.4	R 18.3
1990	0.0	2.4	2.6	0.4	(s)	0.3	5.2	8.5	0.0	0.0	0.0	(s)	7.7	16.2		R 20.9	R 37.1
1995	0.0	2.3	2.0	0.2	(s)	0.1	0.4	2.7	0.0	0.0	0.0	(s)	9.5	12.2		R 21.8	R 34.0
2000	0.0	1.9	1.3	1.2	(s)	0.1	0.1	2.6	0.0	0.0	(s)	(s)	10.6	13.2		R 23.4	R 36.6
2005	0.0	1.9	2.2	1.0	(s)	0.1	(s)	3.3	0.0	2.3	(s)	(s)	11.8	17.5		R 21.8	R 39.3
2006	0.0	1.9	2.3	1.0	(s)	0.1	(s)	3.3	0.0	2.6	(s)	(s)	11.9	18.0		R 21.9	R 39.9
2007	0.0	1.9	1.6	0.9	(s)	0.1	(s)	2.6	0.0	2.4	(s)	R (s)	12.0	17.1		R 22.0	R 39.1
2008	0.0	1.8	1.3	1.5	(s)	0.1	0.0	2.9	0.0	3.1	(s)	R 0.1	11.9	18.1		R 21.6	R 39.6
2009	0.0	1.8	1.6	2.1	(s)	0.1	0.0	3.7	0.0	3.0	(s)	R 0.1	11.6	R 18.5		R 20.9	R 39.4
2010	0.0	1.8	1.5	2.0	(s)	0.1	0.0	3.6	0.0	2.9	(s)	R 0.1	11.4	R 18.3		R 20.6	R 38.8
2011	0.0	1.9	1.7	2.4	(s)	0.1	0.0	4.2	0.0	2.8	(s)	R 0.2	11.5	R 18.8		R 20.6	R 39.4
2012	0.0	1.9	1.5	2.1	(s)	0.1	0.0	3.7	0.0	2.2	(s)	R 0.4	11.0	R 17.5		R 19.4	R 36.9
2013	0.0	1.9	1.5	2.3	(s)	0.1	0.0	3.8	0.0	3.2	(s)	R 0.6	11.2	R 18.9		R 18.9	R 37.8
2014	0.0	1.9	1.9	2.5	(s)	0.1	0.0	4.4	0.0	3.3	(s)	R 0.8	10.9	R 19.5		R 18.3	R 37.9
2015	0.0	1.9	1.3	2.3	0.0	1.6	0.0	5.2	0.0	3.2	(s)	R 0.8	10.8	R 20.2		R 17.8	R 38.0
2016	0.0	2.3	0.9	2.3	0.0	1.6	0.0	4.8	0.0	3.7	(s)	R 1.0	10.6	R 20.2		R 17.6	R 37.9
2017	0.0	2.4	1.2	3.0	0.0	1.6	0.0	5.8	0.0	3.6	(s)	R 1.2	10.5	R 21.2		R 17.6	R 38.9
2018	0.0	2.5	1.4	2.8	0.0	1.6	0.0	5.8	0.0	3.8	(s)	R 1.4	10.3	R 21.5		R 17.0	R 38.6
2019	0.0	2.5	1.8	3.1	0.0	1.6	0.0	6.6	0.0	3.5	(s)	R 1.5	10.4	R 22.2		R 16.8	R 39.0
2020	0.0	1.6	1.3	2.8	0.0	1.7	0.0	5.8	0.0	3.3	(s)	R 1.6	9.2	R 19.9		R 15.1	R 35.0
2021	0.0	1.9	1.3	3.4	0.0	1.7	0.0	6.5	0.0	3.2	(s)	R 1.6	9.5	R 20.9		R 15.3	R 36.2
2022	0.0	2.1	1.3	3.2	0.0	1.7	0.0	6.2	0.0	3.2	(s)	1.7	9.7	20.9		15.7	36.6

^a Includes supplemental gaseous fuels that are commingled with natural gas.
^b Hydrocarbon gas liquids, assumed to be propane only.
^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 small amounts of petroleum coke not shown separately.
^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 Solar thermal and photovoltaic energy. Excludes a small amount of solar thermal energy consumed as heat that is included in the residential sector.
ⁱ Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers.
^j 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 commercial utility-scale facilities.
^k 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. 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 commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. · 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/>