Table CT5. Commercial Sector Energy Consumption Estimates, Selected Years, 1960-2016, Hawaii

Year	Coal	Natural Gas [a]	Petroleum: Distillate Fuel Oil	Petroleum: HGL [b]	Petroleum: Kerosene	Petroleum: Motor Gasoline [c]	Petroleum: Residual Fuel Oil	Petroleum: Total [d]	Hydro-electric Power [e,f]	Biomass: Wood and Waste [f,g]	Geothermal [f]	Solar [f,h]	Retail Electricity Sales	Net Energy [f,i]	Electrical System Energy Losses [j]	Total [f,i]
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels						Million Kilowatthours			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	– –	– –	– –
1996	0	2	224	78	(s)	11	13	326	0	– –	– –	(s)	2,819	– –	– –	– –
1997	0	2	392	145	(s)	11	11	560	0	– –	– –	(s)	2,839	– –	– –	– –
1998	0	2	211	413	(s)	11	1,704	2,338	0	– –	– –	(s)	2,833	– –	– –	– –
1999	0	2	260	234	(s)	11	6	511	0	– –	– –	(s)	2,944	– –	– –	– –
2000	0	2	218	320	(s)	11	8	558	0	– –	– –	(s)	3,092	– –	– –	– –
2001	0	2	136	324	(s)	12	5	478	0	– –	– –	1	3,192	– –	– –	– –
2002	0	2	310	326	(s)	12	(s)	648	0	– –	– –	1	3,223	– –	– –	– –
2003	0	2	282	241	(s)	12	0	536	0	– –	– –	1	3,517	– –	– –	– –
2004	0	2	382	246	(s)	12	4	644	0	– –	– –	1	3,632	– –	– –	– –
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	– –	– –	R 7	3,520	– –	– –	– –
2008	0	2	221	403	(s)	12	0	636	0	– –	– –	16	3,501	– –	– –	– –
2009	0	2	272	540	(s)	12	0	825	0	– –	– –	26	3,388	– –	– –	– –
2010	0	2	265	531	(s)	12	0	R 808	0	– –	– –	37	3,355	– –	– –	– –
2011	0	2	299	631	(s)	12	0	R 943	0	– –	– –	61	3,368	– –	– –	– –
2012	0	2	266	554	(s)	12	0	R 833	0	– –	– –	127	3,238	– –	– –	– –
2013	0	2	255	599	(s)	13	0	R 867	0	– –	– –	171	3,271	– –	– –	– –
2014	0	2	323	652	(s)	12	0	R 987	0	– –	– –	228	3,202	– –	– –	– –
2015	0	2	225	604	0	309	0	R 1,138	0	– –	– –	243	3,174	– –	– –	– –
2016	0	2	157	606	0	314	0	1,076	0	– –	– –	279	3,111	– –	– –	– –
								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	3.9	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	20.1
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	11.5	18.4
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	21.0	37.2
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	22.4	34.6
1996	0.0	2.3	1.3	0.3	(s)	0.1	0.1	1.7	0.0	0.0	0.0	(s)	9.6	11.4	22.7	34.0
1997	0.0	1.8	2.3	0.6	(s)	0.1	0.1	3.0	0.0	0.0	0.0	(s)	9.7	12.7	22.8	35.5
1998	0.0	1.8	1.2	1.6	(s)	0.1	10.7	13.6	0.0	0.0	0.0	(s)	9.7	23.2	22.6	45.9
1999	0.0	1.8	1.5	0.9	(s)	0.1	(s)	2.5	0.0	0.0	(s)	(s)	10.0	12.6	23.4	36.0
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	24.1	37.3
2001	0.0	1.8	0.8	1.2	(s)	0.1	(s)	2.1	0.0	0.0	(s)	(s)	10.9	13.1	23.5	36.6
2002	0.0	1.8	1.8	1.2	(s)	0.1	(s)	3.1	0.0	0.0	(s)	(s)	11.0	14.2	25.1	39.4
2003	0.0	1.8	1.6	0.9	(s)	0.1	0.0	2.6	0.0	0.0	(s)	(s)	12.0	14.7	22.8	37.5
2004	0.0	1.9	2.2	0.9	(s)	0.1	(s)	3.3	0.0	2.5	(s)	(s)	12.4	18.3	23.0	41.3
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	22.4	39.9
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	22.7	40.7
2007	0.0	1.9	1.6	0.9	(s)	0.1	(s)	2.6	0.0	2.4	(s)	0.1	12.0	17.1	23.1	40.2
2008	0.0	1.8	1.3	1.5	(s)	0.1	0.0	2.9	0.0	3.1	(s)	0.2	11.9	18.2	22.7	40.9
2009	0.0	1.8	1.6	2.1	(s)	0.1	0.0	3.7	0.0	3.0	(s)	0.3	11.6	18.7	22.0	40.7
2010	0.0	1.8	1.5	2.0	(s)	0.1	0.0	3.6	0.0	2.9	(s)	0.4	11.4	18.5	21.6	40.1
2011	0.0	1.9	1.7	2.4	(s)	0.1	0.0	4.2	0.0	2.8	(s)	0.6	11.5	19.2	21.9	41.1
2012	0.0	1.9	1.5	2.1	(s)	0.1	0.0	R 3.7	0.0	2.2	(s)	1.2	11.0	R 18.3	20.8	R 39.1
2013	0.0	1.9	1.5	2.3	(s)	0.1	0.0	R 3.8	0.0	3.2	(s)	1.6	11.2	20.0	20.6	40.6
2014	0.0	1.9	1.9	2.5	(s)	0.1	0.0	R 4.4	0.0	3.3	(s)	2.2	10.9	R 20.9	20.2	R 41.1
2015	0.0	1.9	1.3	2.3	0.0	1.6	0.0	R 5.2	0.0	3.2	(s)	2.3	10.8	R 21.6	19.7	R 41.4
2016	0.0	1.9	0.9	2.3	0.0	1.6	0.0	4.8	0.0	3.8	(s)	2.6	10.6	21.9	19.6	41.5

[a] Natural gas as it is consumed; 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 pumped-storage hydroelectricity, 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] 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. 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 net energy and total.
[j] 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.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.