

Table 17.05-- PRIMARY ENERGY CONSUMPTION, BY SOURCE: 2006 TO 2021

[Billion Btu. Components may not sum to totals due to rounding. Revised from previous *Data Book*]

Year	Total	Petroleum	Coal	Natural gas	Renewable
2006	327,288	295,474	16,102	179	15,534
2007	337,829	303,540	17,107	173	17,009
2008	276,654	239,055	18,095	148	19,356
2009	275,928	238,944	17,083	167	19,734
2010	297,491	264,993	17,117	161	18,177
2011	302,442	269,611	16,080	158	20,402
2012	297,182	262,327	16,572	187	21,430
2013	301,931	263,998	15,306	197	25,989
2014	295,243	253,751	17,241	167	27,996
2015	298,984	258,584	15,632	196	29,420
2016	300,382	256,648	16,431	162	32,368
2017	308,366	266,774	14,948	163	32,003
2018	306,328	265,984	14,367	192	31,126
2019	307,983	268,797	14,179	228	29,839
2020	232,453	191,501	13,281	199	31,467
2021	270,210	227,240	12,566	133	35,105
Year	Biomass	Solar	Wind	Geothermal	Hydro
2006	10,054	1,385	790	2,114	1,191
2007	9,936	1,526	2,354	2,280	913
2008	12,030	1,813	2,365	2,316	831
2009	12,482	2,055	2,454	1,643	1,099
2010	10,700	2,278	2,547	1,964	687
2011	11,187	2,816	3,311	2,183	905
2012	10,026	4,223	3,599	2,491	1,090
2013	11,720	6,090	4,802	2,630	747
2014	11,624	7,553	5,503	2,422	895
2015	12,075	8,356	5,710	2,154	1,129
2016	13,414	9,810	5,900	2,409	839
2017	10,944	12,573	4,902	2,980	609
2018	10,700	13,062	5,480	1/ 1,010	879
2019	9,971	14,308	4,714	1/ 8	842
2020	8,428	16,888	5,196	1/ 92	867
2021	9,041	17,596	5,818	1,633	1,017

1/ In May 2018, the Puna Geothermal Venture facility shut down due to a volcanic eruption and reopened in October 2020. Residual fuel was used during the closure period.

Source: U.S. Department of Energy, Energy Information Administration, State Energy Data System (SEDS) <<http://www.eia.gov/state/seds/seds-data-fuel.cfm?sid=HI>> accessed June 26, 2023 and calculations by Hawaii State Department of Business, Economic Development and Tourism.