

Table 17.05-- PRIMARY ENERGY CONSUMPTION, BY SOURCE: 2007 TO 2022

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

Year	Total	Petroleum	Coal	Natural gas	Renewable
2007	334,137	305,278	17,107	173	13,317
2008	272,920	242,279	18,095	148	15,622
2009	272,314	242,840	17,083	167	16,109
2010	293,760	264,993	17,117	161	14,451
2011	297,847	269,611	16,080	158	15,591
2012	291,085	262,327	16,572	187	15,301
2013	293,890	263,998	15,306	197	18,041
2014	286,325	253,751	17,241	167	18,747
2015	289,703	258,584	15,632	196	19,675
2016	290,322	256,632	16,431	162	21,675
2017	297,429	266,863	14,948	163	20,024
2018	295,725	266,054	14,367	192	19,630
2019	297,664	268,875	14,179	228	18,840
2020	220,054	191,583	13,281	199	18,634
2021	256,055	227,265	12,566	133	20,352
2022	270,345	246,177	7,680	159	20,641
Year	Biomass	Solar	Wind	Geothermal	Hydro
2007	9,936	1,461	813	792	315
2008	12,030	1,678	819	807	288
2009	12,482	1,806	858	579	384
2010	10,700	1,928	891	692	240
2011	11,187	2,151	1,163	772	318
2012	10,026	2,696	1,291	898	391
2013	11,720	3,391	1,717	946	267
2014	11,624	3,953	1,974	874	321
2015	12,075	4,302	2,091	794	413
2016	13,414	4,875	2,181	895	310
2017	10,944	5,930	1,815	1,108	225
2018	10,700	6,163	2,054	1/ 383	329
2019	9,971	6,732	1,806	1/ 8	323
2020	8,423	7,813	2,021	1/ 41	337
2021	9,035	8,046	2,245	635	392
2022	8,976	8,437	2,134	719	376

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 14, 2024 and calculations by Hawaii State Department of Business, Economic Development and Tourism.