

Table CT8. Electric power sector consumption estimates, selected years, 1960-2022, Hawaii

Year	Coal	Natural gas ^a	Petroleum				Nuclear electric power	Hydroelectric power ^d	Biomass	Geothermal ^f	Solar ^{f,g}	Wind ^f	Electricity net imports ^h	Total ^{f,i}
			Distillate fuel oil ^b	Petroleum coke	Residual fuel oil ^c	Total			Wood and waste ^{e,f}					
	Thousand short tons	Billion cubic feet	Thousand barrels				Million kilowatthours		Million kilowatthours					
1960	0	0	37	0	2,719	2,756	0	27	--	0	NA	NA	0	--
1965	0	0	61	0	4,292	4,353	0	22	--	0	NA	NA	0	--
1970	0	0	96	0	6,702	6,798	0	22	--	0	NA	NA	0	--
1975	0	0	429	0	8,880	9,309	0	18	--	0	NA	NA	0	--
1980	0	0	888	0	10,239	11,127	0	20	--	0	NA	NA	0	--
1985	0	0	752	0	10,295	11,047	0	19	--	19	0	0	0	--
1990	1	0	1,813	0	13,844	15,657	0	23	--	0	0	29	0	--
1995	703	0	2,211	0	10,709	12,921	0	34	--	235	0	20	0	--
2000	706	0	2,775	0	10,848	13,623	0	43	--	262	0	17	0	--
2005	680	0	2,584	0	11,304	13,888	0	62	--	222	0	7	0	--
2006	655	0	2,453	0	11,499	13,952	0	82	--	212	0	80	0	--
2007	692	0	2,313	0	11,426	13,738	0	55	--	230	0	238	0	--
2008	741	0	2,199	0	11,009	13,209	0	45	--	234	(s)	240	0	--
2009	703	0	2,250	0	10,704	12,954	0	77	--	168	1	251	0	--
2010	742	0	2,246	0	10,364	12,610	0	29	--	201	2	261	0	--
2011	724	0	2,264	0	10,255	12,518	0	45	--	224	4	341	0	--
2012	753	0	2,183	0	9,494	11,677	0	56	--	261	5	378	0	--
2013	692	0	2,079	0	9,216	11,295	0	34	--	275	19	503	0	--
2014	769	0	2,055	0	8,767	10,822	0	42	--	254	39	579	0	--
2015	697	0	2,134	0	8,746	10,880	0	63	--	230	54	613	0	--
2016	775	0	2,037	0	8,461	10,498	0	53	--	260	89	639	0	--
2017	759	0	2,094	0	8,395	10,488	0	29	--	323	175	532	0	--
2018	734	0	2,154	0	8,397	10,551	0	62	--	110	185	602	0	--
2019	717	0	2,317	0	8,379	10,696	0	35	--	0	268	529	0	--
2020	670	0	2,195	0	7,760	9,955	0	29	--	10	484	592	0	--
2021	634	0	2,178	0	7,708	9,886	0	43	--	184	507	658	0	--
2022	380	0	2,385	0	8,477	10,862	0	50	--	208	551	625	0	--

Trillion Btu

1960	0.0	0.0	0.2	0.0	17.1	17.3	0.0	R 0.1	0.0	0.0	NA	NA	0.0	R 17.4
1965	0.0	0.0	0.4	0.0	27.0	27.3	0.0	R 0.1	0.0	0.0	NA	NA	0.0	R 27.4
1970	0.0	0.0	0.6	0.0	42.1	42.7	0.0	R 0.1	0.3	0.0	NA	NA	0.0	R 43.0
1975	0.0	0.0	2.5	0.0	55.8	58.3	0.0	R 0.1	0.3	0.0	NA	NA	0.0	R 58.6
1980	0.0	0.0	5.2	0.0	64.4	69.5	0.0	R 0.1	0.0	0.0	NA	NA	0.0	R 69.6
1985	0.0	0.0	4.4	0.0	64.7	69.1	0.0	R 0.1	0.3	R 0.1	0.0	0.0	0.0	R 69.5
1990	(s)	0.0	10.6	0.0	87.0	97.6	0.0	R 0.1	7.8	0.0	0.0	R 0.1	0.0	R 105.6
1995	15.8	0.0	12.9	0.0	67.3	80.2	0.0	R 0.1	6.5	R 0.8	0.0	R 0.1	0.0	R 103.5
2000	15.5	0.0	16.1	0.0	68.2	84.4	0.0	R 0.1	5.3	R 0.9	0.0	R 0.1	0.0	R 106.3
2005	15.1	0.0	15.0	0.0	71.1	86.1	0.0	R 0.2	0.0	R 0.8	0.0	R (s)	0.0	R 102.2
2006	14.5	0.0	14.2	0.0	72.3	86.5	0.0	R 0.3	(s)	R 0.7	0.0	R 0.3	0.0	R 102.3
2007	15.3	0.0	13.4	0.0	71.8	85.2	0.0	R 0.2	0.0	R 0.8	0.0	R 0.8	0.0	R 102.3
2008	15.8	0.0	12.7	0.0	69.2	81.9	0.0	R 0.2	0.0	R 0.8	(s)	R 0.8	0.0	R 99.5
2009	15.0	0.0	13.0	0.0	67.3	80.3	0.0	R 0.3	(s)	R 0.6	(s)	R 0.9	0.0	R 97.1
2010	15.7	0.0	13.0	0.0	65.2	78.1	0.0	R 0.1	(s)	R 0.7	(s)	R 0.9	0.0	R 95.5
2011	14.8	0.0	13.1	0.0	64.5	77.5	0.0	R 0.2	0.6	R 0.8	(s)	R 1.2	0.0	R 95.0
2012	15.4	0.0	12.6	0.0	59.7	72.3	0.0	R 0.2	0.4	R 0.9	(s)	R 1.3	0.0	R 90.5
2013	13.9	0.0	12.0	0.0	57.9	69.9	0.0	R 0.1	0.5	R 0.9	R 0.1	R 1.7	0.0	R 87.2
2014	15.9	0.0	11.8	0.0	55.1	67.0	0.0	R 0.1	0.6	R 0.9	R 0.1	R 2.0	0.0	R 86.6
2015	14.5	0.0	12.3	0.0	55.0	67.3	0.0	R 0.2	0.9	R 0.8	R 0.2	R 2.1	0.0	R 85.9
2016	16.2	0.0	11.7	0.0	53.2	64.9	0.0	R 0.2	1.1	R 0.9	R 0.3	R 2.2	0.0	R 85.7
2017	14.9	0.0	12.1	0.0	52.8	64.8	0.0	R 0.1	1.8	R 1.1	R 0.6	R 1.8	0.0	R 85.2
2018	14.4	0.0	12.4	0.0	52.8	65.2	0.0	R 0.2	1.5	R 0.4	R 0.6	R 2.1	0.0	R 84.3
2019	14.2	0.0	13.3	0.0	52.7	66.0	0.0	R 0.1	1.3	0.0	R 0.9	R 1.8	0.0	R 84.3
2020	13.3	0.0	12.6	0.0	48.8	61.4	0.0	R 0.1	1.1	R (s)	R 1.7	R 2.0	0.0	R 79.6
2021	12.6	0.0	12.6	0.0	48.5	61.0	0.0	R 0.1	1.4	R 0.6	R 1.7	R 2.2	0.0	R 79.7
2022	7.7	0.0	13.7	0.0	53.3	67.0	0.0	0.2	1.3	0.7	1.9	2.1	0.0	80.9

^a Includes supplemental gaseous fuels that are commingled with natural gas.

^b Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. For 1980 through 2000, distillate fuel oil includes fuel oil Nos. 1 and 2, and small amounts of kerosene and jet fuel.

^c Prior to 1980, based on oil used in steam plants. For 1980 through 2000, residual fuel oil includes fuel oil Nos. 4, 5, and 6.

^d Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.

^e Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.

^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 Solar thermal and photovoltaic energy.

^h Electricity traded with Canada and Mexico. Btu value calculated by converting net imports in kilowatthours by 3,412 Btu per kilowatthour.

ⁱ 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 the total.

-- = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than +0.5 and greater than -0.5 or Btu value less than +0.05 and greater than -0.05.

Notes: · Totals may not equal sum of components due to independent rounding. · The electric power sector consists of electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. · Through 1988, data are for electric utilities only. Beginning in 1989, data include independent power producers. · 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/>