Table CT8. Electric Power Sector Consumption Estimates, Selected Years, 1960-2016, Alaska

Year	Coal	Natural Gas [a]	Petroleum				Nuclear Electric Power	Hydroelectric Power [d]	Biomass	Geothermal [f]	Solar [f,g]	Wind [f]	Net Electricity 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	52	0	95	0	3	99	0	290	– –	0	NA	NA	0	– –
1965	151	2	308	0	4	312	0	350	– –	0	NA	NA	0	– –
1970	249	8	394	0	5	399	0	363	– –	0	NA	NA	(s)	– –
1975	257	20	694	0	1	696	0	357	– –	0	NA	NA	0	– –
1980	273	29	538	0	353	891	0	539	– –	0	NA	NA	0	– –
1985	296	34	518	0	476	994	0	748	– –	0	0	(s)	0	– –
1990	290	34	486	0	171	658	0	975	– –	0	0	0	1	– –
1995	293	30	592	0	257	849	0	1,372	– –	0	0	0	1	– –
1996	229	31	655	0	515	1,171	0	1,266	– –	0	0	0	1	– –
1997	235	34	598	0	723	1,321	0	1,099	– –	0	0	0	2	– –
1998	481	29	537	0	821	1,357	0	1,113	– –	0	0	0	1	– –
1999	465	31	629	0	838	1,467	0	817	– –	0	0	0	1	– –
2000	500	36	415	0	670	1,085	0	1,002	– –	0	0	0	1	– –
2001	515	33	494	0	1,057	1,550	0	1,346	– –	0	0	1	1	– –
2002	562	32	553	0	1,007	1,560	0	1,439	– –	0	0	0	1	– –
2003	342	34	511	0	851	1,363	0	1,583	– –	0	0	0	1	– –
2004	393	38	529	0	702	1,231	0	1,498	– –	0	0	0	1	– –
2005	398	39	538	0	696	1,234	0	1,464	– –	0	0	1	1	– –
2006	408	43	586	0	682	1,268	0	1,224	– –	0	0	1	1	– –
2007	414	41	633	0	471	1,105	0	1,291	– –	0	0	1	1	– –
2008	427	43	651	0	197	848	0	1,172	– –	0	0	(s)	1	– –
2009	437	38	594	0	546	1,140	0	1,324	– –	0	0	7	1	– –
2010	410	40	489	0	306	795	0	1,433	– –	0	0	13	1	– –
2011	409	42	568	0	232	800	0	1,345	– –	0	0	12	1	– –
2012	427	40	510	0	376	886	0	1,575	– –	0	0	37	1	– –
2013	400	34	560	0	94	654	0	1,435	– –	0	0	145	1	– –
2014	655	32	507	0	119	626	0	1,539	– –	0	0	152	0	– –
2015	731	30	581	0	116	697	0	1,569	– –	0	0	160	0	– –
2016	644	28	807	0	0	807	0	1,491	– –	0	0	169	(s)	– –
			Trillion Btu											
1960	0.9	0.0	0.6	0.0	(s)	0.6	0.0	3.1	0.0	0.0	NA	NA	0.0	4.6
1965	2.7	2.2	1.8	0.0	(s)	1.8	0.0	3.7	0.0	0.0	NA	NA	0.0	10.3
1970	4.3	8.2	2.3	0.0	(s)	2.3	0.0	3.8	0.0	0.0	NA	NA	(s)	18.6
1975	4.5	19.7	4.0	0.0	(s)	4.1	0.0	3.7	0.0	0.0	NA	NA	0.0	32.0
1980	4.3	28.9	3.1	0.0	2.2	5.4	0.0	5.6	0.0	0.0	NA	NA	0.0	44.2
1985	4.7	34.4	3.0	0.0	3.0	6.0	0.0	7.8	0.0	0.0	0.0	(s)	0.0	52.9
1990	4.6	35.3	2.8	0.0	1.1	3.9	0.0	10.1	0.0	0.0	0.0	0.0	(s)	53.9
1995	4.6	29.9	3.4	0.0	1.6	5.1	0.0	14.1	0.0	0.0	0.0	0.0	(s)	53.7
1996	3.6	31.2	3.8	0.0	3.2	7.1	0.0	13.1	0.0	0.0	0.0	0.0	(s)	55.0
1997	3.7	33.6	3.5	0.0	4.5	8.0	0.0	11.2	0.0	0.0	0.0	0.0	(s)	56.6
1998	8.1	28.9	3.1	0.0	5.2	8.3	0.0	11.4	(s)	0.0	0.0	0.0	(s)	56.6
1999	7.8	30.6	3.7	0.0	5.3	8.9	0.0	8.4	0.0	0.0	0.0	0.0	(s)	55.6
2000	8.3	35.7	2.4	0.0	4.2	6.6	0.0	10.2	0.0	0.0	0.0	0.0	(s)	60.8
2001	8.5	32.7	2.9	0.0	6.6	9.5	0.0	13.9	0.0	0.0	0.0	(s)	(s)	64.7
2002	9.1	32.0	3.2	0.0	6.3	9.5	0.0	14.6	(s)	0.0	0.0	0.0	(s)	65.3
2003	5.6	34.6	3.0	0.0	5.4	8.3	0.0	16.0	0.0	0.0	0.0	0.0	(s)	64.5
2004	6.3	37.9	3.1	0.0	4.4	7.5	0.0	15.0	0.0	0.0	0.0	0.0	(s)	66.7
2005	6.1	39.5	3.1	0.0	4.4	7.5	0.0	14.6	0.0	0.0	0.0	(s)	(s)	67.7
2006	6.2	43.6	3.4	0.0	4.3	7.7	0.0	12.1	0.0	0.0	0.0	(s)	(s)	69.7
2007	6.2	41.2	3.7	0.0	3.0	6.6	0.0	12.8	0.0	0.0	0.0	(s)	(s)	66.8
2008	6.2	43.4	3.8	0.0	1.2	5.0	0.0	11.5	0.0	0.0	0.0	(s)	(s)	66.2
2009	6.3	38.3	3.4	0.0	3.4	6.9	0.0	12.9	0.0	0.0	0.0	0.1	(s)	64.5
2010	6.0	40.0	2.8	0.0	1.9	4.7	0.0	14.0	0.0	0.0	0.0	0.1	(s)	64.8
2011	6.0	42.3	3.3	0.0	1.5	4.7	0.0	13.1	0.0	0.0	0.0	0.1	(s)	66.3
2012	6.3	40.3	2.9	0.0	2.4	5.3	0.0	15.0	0.0	0.0	0.0	0.4	(s)	67.2
2013	5.9	34.0	3.2	0.0	0.6	3.8	0.0	13.7	0.0	0.0	0.0	1.4	(s)	58.8
2014	9.9	32.0	2.9	0.0	0.7	3.7	0.0	14.6	0.0	0.0	0.0	1.4	0.0	61.6
2015	11.0	30.2	3.4	0.0	0.7	4.1	0.0	14.6	0.0	0.0	0.0	1.5	0.0	61.4
2016	9.6	28.2	4.7	0.0	0.0	4.7	0.0	13.8	0.0	0.0	0.0	1.6	(s)	57.9

[a] Natural gas as it is consumed; 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 net energy and 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 comprises 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.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.