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S** Table CT3. Total End-Use Energy Consumption Estimates, Selected Years, 1960-2018, United States

Year	Coal	Net Imports-Coal Coke	Natural Gas <sup>a</sup>	Petroleum							Hydro-electric Power <sup>g,h</sup>	Biomass		Geothermal <sup>h</sup>	Solar <sup>h,k</sup>	Electricity Retail Sales	Net Energy <sup>h,l</sup>	Electrical System Energy Losses <sup>m</sup>	Total <sup>h,l</sup>	
				Distillate Fuel Oil <sup>b</sup>	HGL <sup>c</sup>	Jet Fuel <sup>d</sup>	Motor Gasoline <sup>e</sup>	Residual Fuel Oil	Other <sup>f</sup>	Total		Billion Kilowatt-hours	Wood and Waste <sup>h,i</sup>			Losses and Co-products <sup>j</sup>				Billion Kilowatt-hours
																				Billion Cubic Feet
1960	221	(s)	10,242	681	227	136	1,453	475	525	3,498	4	--	--	--	688	--	--	--		
1970	203	-2	17,208	903	447	353	2,111	493	719	5,026	3	--	--	--	1,392	--	--	--		
1980	133	-1	16,196	1,022	582	389	2,408	527	894	5,821	3	--	--	--	2,094	--	--	--		
1990	122	(s)	15,929	1,086	622	556	2,641	264	826	5,994	3	--	--	--	2,713	--	--	--		
2000	98	3	18,127	1,332	891	631	3,101	194	876	7,026	4	--	--	--	3,421	--	--	--		
2001	96	1	16,896	1,375	803	604	3,143	137	904	6,966	3	--	--	--	3,394	--	--	--		
2002	89	2	17,355	1,356	838	589	3,229	151	894	7,057	4	--	--	--	3,465	--	--	--		
2003	90	2	17,141	1,406	805	576	3,261	144	926	7,117	4	--	--	--	3,494	--	--	--		
2004	91	6	16,939	1,466	829	597	3,333	177	991	7,392	3	--	--	--	3,547	--	--	--		
2005	88	2	16,145	1,483	783	613	3,343	196	974	7,393	3	--	--	--	3,661	--	--	--		
2006	86	2	15,477	1,509	779	596	3,377	194	990	7,445	3	--	--	--	3,670	--	--	--		
2007	83	1	16,262	1,516	800	592	3,389	201	943	7,442	2	--	--	--	3,765	--	--	--		
2008	80	2	16,609	1,431	748	563	3,290	189	837	7,060	2	--	--	--	3,734	--	--	--		
2009	64	-1	16,038	1,313	776	509	3,284	158	748	6,788	2	--	--	--	3,597	--	--	--		
2010	73	(s)	16,700	1,373	827	523	3,282	171	763	6,939	2	--	--	--	3,755	--	--	--		
2011	70	(s)	16,904	1,412	818	520	3,195	153	745	6,844	2	--	--	--	3,750	--	--	--		
2012	66	(s)	16,428	1,360	841	512	3,178	123	717	6,730	2	--	--	--	3,695	--	--	--		
2013	66	-1	17,964	1,387	913	524	3,228	104	724	6,880	4	--	--	--	3,725	--	--	--		
2014	66	-1	18,447	1,459	891	537	3,256	79	699	6,922	1	--	--	--	3,765	--	--	--		
2015	60	-1	17,630	1,446	931	565	3,350	80	711	7,083	1	--	--	--	3,759	--	--	--		
2016	53	-1	17,459	1,410	928	591	3,410	108	717	7,164	1	--	--	--	3,762	--	--	--		
2017	52	-1	17,880	1,426	965	614	3,404	114	725	7,248	2	--	--	--	3,723	--	--	--		
2018	51	-1	19,486	1,499	1,097	623	3,405	103	712	7,440	1	--	--	--	3,860	--	--	--		

**Trillion Btu**

1960	5,604	-6	10,600	3,969	866	739	7,631	2,987	3,129	19,321	39	1,318	NA	NA	NA	2,348	39,224	5,809	45,034
1970	5,041	-58	17,645	5,260	1,667	1,973	11,091	3,099	4,293	27,383	34	1,427	NA	NA	NA	4,751	56,223	11,497	67,720
1980	3,303	-35	16,580	5,952	2,135	2,179	12,648	3,312	5,299	31,526	33	2,467	NA	NA	NA	7,146	60,869	17,178	78,048
1990	2,909	5	16,419	6,326	2,259	3,129	13,872	1,657	4,969	32,211	32	2,310	49	10	55	9,255	63,200	21,255	84,455
2000	2,356	65	18,590	7,753	3,216	3,580	16,127	1,220	5,254	37,149	43	2,320	99	21	58	11,674	72,290	26,405	98,695
2001	2,293	29	17,340	8,000	2,895	3,426	16,345	859	5,431	36,955	33	2,037	108	22	56	11,582	70,376	26,663	96,039
2002	2,120	61	17,793	7,892	3,006	3,340	16,790	947	5,356	37,332	39	2,017	130	24	54	11,824	71,332	26,210	97,542
2003	2,139	51	17,632	8,180	2,905	3,265	16,949	902	5,540	37,742	43	2,011	168	27	53	11,921	71,724	26,111	97,835
2004	2,161	138	17,380	8,530	2,976	3,383	17,316	1,111	5,925	39,241	34	2,127	201	30	53	12,104	73,413	26,601	100,014
2005	2,058	44	16,596	8,630	2,812	3,475	17,358	1,235	5,831	39,340	33	2,137	227	34	52	12,491	72,966	27,144	100,109
2006	1,984	61	15,899	8,757	2,768	3,379	17,511	1,220	5,924	39,559	30	2,088	280	37	56	12,522	72,486	26,902	99,388
2007	1,943	25	16,707	8,770	2,835	3,358	17,428	1,262	5,653	39,305	16	2,083	369	41	60	12,845	73,380	27,536	100,916
2008	1,872	41	17,049	8,274	2,656	3,193	16,799	1,191	5,019	37,132	17	2,063	519	46	66	12,740	71,526	27,239	98,765
2009	1,468	-24	16,443	7,587	2,707	2,883	16,714	992	4,486	35,370	19	1,949	603	54	69	12,272	68,161	25,809	93,969
2010	1,695	-6	17,083	7,931	2,885	2,963	16,632	1,074	4,576	36,060	17	2,225	727	60	80	12,812	70,690	26,826	97,516
2011	1,628	11	17,281	8,148	2,799	2,950	16,175	965	4,472	35,509	18	2,238	756	64	96	12,794	70,338	26,516	96,854
2012	1,560	4	16,826	7,845	2,893	2,901	16,085	772	4,308	34,804	23	2,165	711	64	119	12,606	68,824	25,545	94,370
2013	1,588	-17	18,447	7,996	3,166	2,969	16,332	654	4,332	35,448	33	2,365	709	64	141	12,709	71,437	25,665	97,102
2014	1,569	-22	19,054	8,410	3,066	3,042	16,473	495	4,197	35,683	13	2,387	757	64	173	12,845	72,467	25,803	98,270
2015	1,411	-18	18,296	8,332	3,224	3,204	16,941	501	4,270	36,473	13	2,305	776	64	199	12,826	72,291	25,076	97,367
2016	1,230	-19	18,128	8,115	3,178	3,350	17,238	680	4,388	36,948	14	2,222	801	64	243	12,838	72,416	24,884	97,301
2017	1,217	-29	18,554	8,208	3,280	3,481	17,201	718	4,426	37,316	15	2,166	821	64	291	12,704	73,061	24,552	97,613
2018	1,197	-26	20,218	8,634	3,710	3,533	17,209	650	4,345	38,081	13	2,252	824	64	340	13,171	76,073	25,011	101,084

<sup>a</sup> Includes supplemental gaseous fuels that are commingled with natural gas.  
<sup>b</sup> Beginning in 2009, includes biodiesel blended into distillate fuel oil.  
<sup>c</sup> Hydrocarbon gas liquids, include natural gas liquids and refinery olefins.  
<sup>d</sup> Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."  
<sup>e</sup> Beginning in 1993, includes fuel ethanol blended into motor gasoline.  
<sup>f</sup> Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, petroleum coke, and the "other petroleum products" category. See Technical Notes, Section 4.  
<sup>g</sup> Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.  
<sup>h</sup> There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.  
<sup>i</sup> Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.  
<sup>j</sup> Losses and co-products from the production of biodiesel and fuel ethanol.

<sup>k</sup> Solar thermal and photovoltaic energy.  
<sup>l</sup> 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. 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 the commercial and industrial sectors.  
<sup>m</sup> Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.  
 -- = Not applicable. NA = Not available. R = Revised data. (s) = Value less than +0.5 and greater than -0.5.  
 Notes: Total end-use consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation sectors. Totals may not equal sum of components due to independent rounding.  
 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.