

Table CT3. Total end-use sector energy consumption estimates, selected years, 1960-2022, United States

Year	Coal	Net imports-coal coke	Natural gas ^a	Petroleum							Hydro-electric power ^{h,i}	Biomass		Geo-thermal ⁱ	Solar ^{i,j}	Electricity ^m	End use ^{g,i,n}	Electrical system energy losses ^o	Total ^{g,i,n}
				Distillate fuel oil ^b	HGL ^c	Jet fuel ^d	Motor gasoline ^e	Residual fuel oil	Other ^{f,g}	Total ^g		Wood and waste ^{i,j}	Losses and co-products ^k			Billion kilowatt-hours			
	Million short tons	Billion cubic feet	Million barrels							Billion kilowatt-hours	Wood and waste ^{i,j}	Losses and co-products ^k	Billion kilowatt-hours						
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	--	--	--
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	826	523	3,282	171	763	6,938	2	--	--	--	--	3,755	--	--	--
2011	70	(s)	16,904	1,412	821	520	3,195	153	745	6,847	2	--	--	--	--	3,750	--	--	--
2012	66	(s)	16,428	1,360	839	512	3,178	123	717	6,728	2	--	--	--	--	3,695	--	--	--
2013	66	-1	17,964	1,387	913	524	3,228	104	724	6,879	4	--	--	--	--	3,725	--	--	--
2014	66	-1	18,447	1,459	892	537	3,256	79	699	6,922	1	--	--	--	--	3,765	--	--	--
2015	60	-1	17,630	1,446	931	565	3,350	80	711	7,082	1	--	--	--	--	3,759	--	--	--
2016	53	-1	17,459	1,410	930	591	3,410	108	717	7,166	1	--	--	--	--	3,762	--	--	--
2017	52	-1	17,874	1,426	963	614	3,404	114	725	7,246	2	--	--	--	--	3,723	--	--	--
2018	51	-1	19,550	1,499	1,100	623	3,405	103	712	7,443	1	--	--	--	--	3,859	--	--	--
2019	48	-1	19,844	1,488	1,146	636	3,398	91	707	7,466	1	--	--	--	--	3,811	--	--	--
2020	41	-1	^R 18,971	1,378	1,181	394	2,946	68	658	6,625	1	--	--	--	--	3,718	--	--	--
2021	44	-2	^R 19,417	1,439	1,256	500	3,218	106	707	7,225	1	--	--	--	--	3,806	--	--	--
2022	43	-2	20,170	1,455	1,225	569	3,216	108	689	7,262	1	--	--	--	--	3,927	--	--	--
Trillion Btu																			
1960	5,604	-6	10,600	3,969	866	739	7,631	2,987	3,129	19,321	^R 12	1,318	NA	NA	NA	2,348	^R 39,198	^R 4,737	^R 43,935
1970	5,041	-58	17,645	5,260	1,667	1,973	11,091	3,099	4,293	27,383	^R 11	1,427	NA	NA	NA	4,751	^R 56,200	^R 9,739	^R 65,939
1980	3,303	-35	16,580	5,952	2,135	2,179	12,648	3,312	5,299	31,526	^R 11	2,467	NA	NA	NA	7,146	^R 60,847	^R 15,217	^R 76,065
1990	2,909	5	16,419	6,326	2,259	3,129	13,872	1,657	4,969	32,211	^R 11	2,310	49	10	55	9,255	^R 63,178	^R 19,100	^R 82,278
2000	2,356	65	18,590	7,753	3,216	3,580	16,127	1,220	5,254	37,149	^R 14	2,320	99	21	58	11,674	^R 72,260	^R 24,426	^R 96,686
2005	2,058	44	16,596	8,630	2,812	3,475	17,358	1,235	5,831	39,340	^R 11	2,137	227	34	^R 50	12,491	^R 72,942	^R 25,167	^R 98,109
2006	1,984	61	15,899	8,757	2,768	3,379	17,511	1,220	5,924	39,559	^R 10	2,088	280	37	^R 52	12,522	^R 72,464	^R 24,768	^R 97,231
2007	1,943	25	16,707	8,770	2,835	3,358	17,428	1,262	5,653	39,305	^R 6	2,083	369	41	^R 55	12,845	^R 73,364	^R 25,623	^R 98,988
2008	1,872	41	17,049	8,274	2,656	3,193	16,799	1,191	5,019	37,132	^R 6	2,063	519	46	^R 58	12,740	^R 71,507	^R 25,151	^R 96,658
2009	1,468	-24	16,443	7,587	2,707	2,883	16,714	992	4,486	35,370	^R 7	1,949	603	54	^R 59	12,272	^R 68,138	^R 23,515	^R 91,654
2010	1,695	-6	17,083	7,931	2,881	2,963	16,632	1,074	4,576	36,056	^R 6	2,225	727	60	^R 64	12,812	^R 70,660	^R 24,481	^R 95,141
2011	1,628	11	17,281	8,148	2,811	2,950	16,175	965	4,472	35,521	^R 6	2,238	756	64	^R 70	12,794	^R 70,313	^R 23,650	^R 93,963
2012	1,560	4	16,826	7,845	2,887	2,901	16,085	772	4,308	34,798	^R 8	2,165	711	64	^R 80	12,606	^R 68,763	^R 22,894	^R 91,658
2013	1,588	-17	18,447	7,996	3,166	2,969	16,332	654	4,332	35,448	^R 12	2,365	714	64	^R 90	12,709	^R 71,367	^R 22,862	^R 94,229
2014	1,569	-22	19,054	8,410	3,067	3,042	16,473	495	4,197	35,684	^R 5	2,387	766	64	^R 102	12,845	^R 72,397	^R 22,920	^R 95,317
2015	1,411	-18	18,296	8,332	3,221	3,204	16,941	501	4,270	36,470	^R 5	2,305	791	64	^R 113	12,826	^R 72,207	^R 22,249	^R 94,456
2016	1,230	-19	18,128	8,115	3,184	3,350	17,238	680	4,388	36,954	^R 5	2,225	821	64	^R 130	12,838	^R 72,323	^R 21,737	^R 94,060
2017	1,217	-29	18,547	8,208	3,272	3,481	17,201	718	4,426	37,307	^R 6	2,171	847	64	^R 149	12,704	^R 72,923	^R 20,947	^R 93,870
2018	1,197	-26	20,284	8,634	3,720	3,533	17,209	650	4,345	38,091	^R 5	2,253	855	64	^R 168	13,168	^R 75,997	^R 21,366	^R 97,363
2019	1,133	-21	20,613	8,572	3,897	3,608	17,166	572	4,319	38,134	^R 4	2,232	835	64	^R 187	13,004	^R 76,131	^R 20,359	^R 96,490
2020	954	-13	^R 19,698	7,931	3,956	2,234	14,883	426	4,023	33,453	^R 4	^R 1,982	735	64	^R 209	12,685	^R 69,716	^R 19,058	^R 88,774
2021	1,051	-49	^R 20,146	8,297	4,230	2,835	16,250	664	4,303	36,579	^R 4	^R 1,993	789	64	^R 236	12,986	^R 73,742	^R 19,597	^R 93,340
2022	1,000	-56	20,919	8,387	3,957	3,228	16,236	680	4,211	36,700	4	2,050	808	64	277	13,400	75,104	19,657	94,761

^a Includes supplemental gaseous fuels that are commingled with natural gas.^b Beginning in 2009, includes biodiesel blended into distillate fuel oil. Beginning in 2011, includes renewable diesel blended into distillate fuel oil. Excludes biofuels product supplied.^c Hydrocarbon gas liquids, include natural gas liquids and refinery olefins.^d 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."^e Beginning in 1993, includes fuel ethanol blended into motor gasoline.^f Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, petroleum coke, and the "other petroleum products" category. See Technical Notes, Section 4.^g Beginning in 2014, U.S. total includes other biofuels product supplied not allocated to the states.^h Conventional hydroelectric power. For 1960 through 1989, includes hydroelectric pumped-storage, which cannot be separately identified.ⁱ There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.^j Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.^k Losses and co-products from the production of biodiesel and fuel ethanol.^l Solar thermal and photovoltaic energy.^m Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers.ⁿ 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 End Use 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. Beginning in 2021, adjusted for the double-counting of biofuels product supplied.^o Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

-- = Not applicable. NA = Not available. Where shown, R = Revised data. (s) = Value less than +0.5 and greater than -0.5.

Notes: · Total end-use sector 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>.Data Source: U.S. Energy Information Administration, State Energy Data System. See Technical Notes. <http://www.eia.gov/state/seds/>