

Table CT2. Primary energy consumption estimates, selected years, 1960-2022, United States (continued)
(trillion Btu)

Year	Nuclear electric power	Hydro-electric power ^{e,f}	Renewable energy										Electricity net imports ^l	Total ^{l,j}	
			Biomass							Geo-thermal ^f	Solar ^{f,k}	Wind			Total ^{f,j}
			Wood and waste ^g	Fuel ethanol ^h	Biodiesel	Renewable diesel	Losses and co-products ⁱ	Total ^{f,j}							
1960	6	R 510	1,320	NA	NA	NA	NA	1,320	(s)	NA	NA	R 1,830	15	R 43,935	
1965	43	R 672	1,335	NA	NA	NA	NA	1,335	R 1	NA	NA	R 2,008	(s)	R 52,578	
1970	239	R 856	1,431	NA	NA	NA	NA	1,431	R 2	NA	NA	R 2,289	7	R 65,939	
1971	413	R 920	1,432	NA	NA	NA	NA	1,432	R 2	NA	NA	R 2,354	12	R 67,256	
1972	584	R 941	1,503	NA	NA	NA	NA	1,503	R 5	NA	NA	R 2,449	26	R 70,745	
1973	910	R 940	1,529	NA	NA	NA	NA	1,529	R 7	NA	NA	R 2,476	49	R 73,788	
1974	1,272	R 1,038	1,540	NA	NA	NA	NA	1,540	R 8	NA	NA	R 2,586	43	R 71,759	
1975	1,900	R 1,034	1,499	NA	NA	NA	NA	1,499	R 11	NA	NA	R 2,544	21	R 69,810	
1976	2,111	R 979	1,713	NA	NA	NA	NA	1,713	R 12	NA	NA	R 2,705	29	R 73,944	
1977	2,702	R 763	1,838	NA	NA	NA	NA	1,838	R 12	NA	NA	R 2,613	59	R 76,351	
1978	3,024	R 967	2,038	NA	NA	NA	NA	2,038	R 10	NA	NA	R 3,015	67	R 77,988	
1979	2,776	R 966	2,152	NA	NA	NA	NA	2,152	R 13	NA	NA	R 3,131	69	R 78,844	
1980	2,739	R 953	2,472	NA	NA	NA	NA	2,472	R 17	NA	NA	R 3,442	71	R 76,065	
1981	3,008	R 900	2,587	7	NA	NA	6	2,600	R 19	NA	NA	R 3,519	113	R 74,196	
1982	3,131	R 1,066	2,630	19	NA	NA	16	2,665	R 17	NA	NA	R 3,747	100	R 70,772	
1983	3,203	R 1,144	2,841	34	NA	NA	29	2,904	R 21	NA	(s)	R 4,069	121	R 70,453	
1984	3,553	R 1,107	2,894	42	NA	NA	35	2,972	R 26	(s)	(s)	R 4,105	135	R 74,177	
1985	4,076	R 970	2,923	51	NA	NA	42	3,016	R 32	(s)	(s)	R 4,018	140	R 74,341	
1986	4,380	R 1,003	2,825	59	NA	NA	48	2,932	R 35	(s)	(s)	R 3,971	122	R 74,451	
1987	4,754	R 863	2,755	68	NA	NA	55	2,878	R 37	(s)	(s)	R 3,777	158	R 77,113	
1988	5,587	R 771	2,892	69	NA	NA	55	3,016	R 35	(s)	(s)	R 3,823	108	R 81,077	
1989	5,602	R 928	3,034	70	NA	NA	56	3,159	R 59	R 52	R 7	R 4,206	37	R 82,703	
1990	6,104	R 999	2,626	62	NA	NA	49	2,737	R 63	R 56	R 10	R 3,865	8	R 82,278	
1991	6,422	R 986	2,654	72	NA	NA	56	2,782	R 65	R 58	R 10	R 3,901	67	R 82,213	
1992	6,479	R 864	2,787	81	NA	NA	64	2,932	R 67	R 60	R 10	R 3,932	87	R 83,843	
1993	6,410	R 957	2,737	95	NA	NA	74	2,906	R 70	R 62	R 10	R 4,005	95	R 85,220	
1994	6,694	R 888	2,839	106	NA	NA	82	3,028	R 66	R 63	R 12	R 4,056	153	R 87,080	
1995	7,075	R 1,061	2,901	114	NA	NA	86	3,101	R 60	R 64	R 11	R 4,297	134	R 88,732	
1996	7,087	R 1,185	3,014	82	NA	NA	61	3,157	R 64	R 65	R 11	R 4,481	137	R 91,474	
1997	6,597	R 1,216	2,919	104	NA	NA	80	3,103	R 66	R 64	R 11	R 4,461	116	R 92,106	
1998	7,068	R 1,103	2,726	115	NA	NA	86	2,927	R 68	R 63	R 10	R 4,173	88	R 92,615	
1999	7,610	R 1,090	2,754	119	NA	NA	90	2,963	R 71	R 62	R 15	R 4,202	99	R 94,213	
2000	7,862	R 940	2,773	137	NA	NA	99	3,008	R 69	R 59	R 19	R 4,096	115	R 96,686	
2001	8,029	R 740	2,374	144	1	NA	108	2,627	R 69	R 57	R 23	R 3,516	75	R 94,391	
2002	8,145	R 902	2,397	171	2	NA	130	2,701	R 73	R 55	R 35	R 3,766	72	R 95,582	
2003	7,960	R 941	2,403	233	2	NA	168	2,806	R 77	R 54	R 38	R 3,916	22	R 95,807	
2004	8,223	R 916	2,510	293	3	NA	201	3,008	R 80	R 53	R 48	R 4,106	39	R 98,045	
2005	8,161	R 922	2,538	335	12	NA	227	3,112	R 84	R 52	R 61	R 4,231	85	R 98,109	
2006	8,215	R 987	2,496	453	33	NA	280	3,262	R 86	R 54	R 91	R 4,480	63	R 97,231	
2007	8,459	R 845	2,502	569	45	NA	369	3,485	R 91	R 57	R 118	R 4,595	107	R 98,988	
2008	8,426	R 869	2,494	800	39	NA	519	3,851	R 97	R 61	R 189	R 5,068	112	R 96,658	
2009	8,355	R 933	2,387	910	41	NA	603	3,940	R 105	R 63	R 252	R 5,293	116	R 91,632	
2010	8,434	R 888	2,685	1,061	33	NA	727	4,506	R 111	R 68	R 323	R 5,896	89	R 95,130	
2011	8,269	R 1,090	2,675	1,065	113	8	756	4,616	R 116	R 76	R 410	R 6,308	127	R 93,972	
2012	8,062	R 943	2,618	1,064	115	10	711	4,517	R 117	R 94	R 480	R 6,150	161	R 91,667	
2013	8,244	R 916	2,835	1,092	182	39	714	4,861	R 117	R 120	R 573	R 6,587	197	R 94,237	
2014	8,338	R 885	2,917	1,111	181	38	766	5,016	R 118	R 161	R 620	R 6,799	182	R 95,328	
2015	8,337	R 850	2,830	1,153	191	48	791	5,015	R 118	R 196	R 651	R 6,829	227	R 94,473	
2016	8,427	R 914	2,730	1,187	266	57	821	5,063	R 117	R 251	R 774	R 7,120	227	R 94,087	
2017	8,419	R 1,025	2,680	1,199	253	62	847	5,045	R 118	R 329	R 868	R 7,383	192	R 93,906	
2018	8,438	R 998	2,749	1,197	243	57	855	5,105	R 118	R 384	R 930	R 7,535	152	R 97,404	
2019	8,452	R 982	2,680	1,206	231	99	835	5,056	R 116	R 430	R 1,010	R 7,594	133	R 96,576	
2020	8,251	R 973	2,409	1,050	239	107	735	R 4,545	R 118	R 511	R 1,153	R 7,301	161	R 88,871	
2021	R 8,131	R 858	R 2,420	1,155	218	158	789	R 4,751	R 118	R 627	R 1,290	R 7,644	134	R 93,350	
2022	8,046	869	2,424	1,163	212	225	808	4,857	118	765	1,482	8,091	141	94,774	

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

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

^h Excludes denaturant. Because of differences in data sources and estimation methods, the ratio of fuel ethanol consumption and motor gasoline consumption should not be interpreted as the average ethanol blend rate.

ⁱ Losses and co-products from the production of biodiesel and fuel ethanol.

^j Beginning in 2014, U.S. total includes other biofuels not allocated to the states.

^k Solar thermal and photovoltaic energy.

^l Electricity traded with Canada and Mexico. Calculated by converting net imports in kilowatt-hours by 3,412 Btu per kilowatt-hour.

NA = Not available.

Where shown, R = Revised data and (s) = Value less than +0.5 and greater than -0.5 trillion Btu.

Notes: · 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/>