

**Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2021, United States**  
(Trillion Btu)

Year	Fossil Fuels											Fossil Fuels (as commingled)			
	Coal	Net Imports of Coal Coke	Natural Gas excluding Supplemental Gaseous Fuels <sup>a</sup>	Petroleum							Total	Total	Natural Gas including Supplemental Gaseous Fuels <sup>a</sup>	Distillate Fuel Oil including Biofuels <sup>a</sup>	Motor Gasoline including Fuel Ethanol <sup>a</sup>
				Distillate Fuel Oil excluding Biofuels <sup>a</sup>	HGL <sup>b</sup>	Jet Fuel <sup>c</sup>	Motor Gasoline excluding Fuel Ethanol <sup>a</sup>	Residual Fuel Oil	Other <sup>d</sup>	Total					
1960	9,831	-6	12,385	3,992	866	739	7,631	3,517	3,129	19,874	42,084	12,385	3,992	7,631	
1965	11,582	-18	15,779	4,519	1,170	1,215	8,806	3,691	3,784	23,184	50,527	15,779	4,519	8,806	
1970	12,269	-58	21,693	5,401	1,667	1,973	11,091	5,057	4,312	29,500	63,404	21,693	5,401	11,091	
1971	11,603	-33	22,365	5,658	1,700	2,061	11,532	5,269	4,322	30,541	64,477	22,365	5,658	11,532	
1972	12,110	-26	22,682	6,210	1,927	2,141	12,259	5,820	4,563	32,919	67,685	22,682	6,210	12,259	
1973	12,960	-7	22,595	6,575	1,959	2,167	12,797	6,477	4,831	34,806	70,354	22,595	6,575	12,797	
1974	12,651	56	21,730	6,267	1,914	2,030	12,535	6,056	4,619	33,421	67,857	21,730	6,267	12,535	
1975	12,656	14	19,977	6,061	1,811	2,047	12,798	5,649	4,332	32,699	65,345	19,977	6,061	12,798	
1976	13,576	(s)	20,381	6,679	1,877	2,026	13,415	6,445	4,700	35,142	69,099	20,381	6,679	13,415	
1977	13,907	15	19,972	7,126	1,867	2,126	13,760	7,047	5,156	37,083	70,977	19,972	7,126	13,760	
1978	13,770	125	20,068	7,296	1,848	2,164	14,211	6,936	5,464	37,919	71,881	20,068	7,296	14,211	
1979	15,042	63	20,688	7,039	2,214	2,204	13,487	6,485	5,646	37,076	72,868	20,688	7,039	13,487	
1980	15,461	-35	20,227	6,110	2,135	2,190	12,648	5,772	5,304	34,160	69,812	20,384	6,110	12,648	
1981	15,938	-16	19,750	6,014	2,098	2,062	12,631	4,791	4,289	31,884	67,555	19,928	6,014	12,631	
1982	15,269	-22	18,367	5,679	2,095	2,072	12,538	3,939	3,858	30,180	63,794	18,515	5,679	12,538	
1983	15,867	-16	17,212	5,720	1,983	2,141	12,697	3,260	4,196	29,997	63,061	17,348	5,720	12,697	
1984	17,014	-11	18,390	6,065	2,230	2,414	12,867	3,151	4,267	30,993	66,385	18,503	6,065	12,867	
1985	17,540	-13	17,714	6,098	2,252	2,497	13,098	2,759	4,164	30,867	66,107	17,843	6,098	13,098	
1986	17,241	-17	16,603	6,196	2,158	2,682	13,487	3,255	4,372	32,151	65,978	16,718	6,196	13,487	
1987	17,950	9	17,647	6,328	2,339	2,843	13,816	2,901	4,591	32,818	68,424	17,750	6,328	13,816	
1988	18,886	40	18,460	6,655	2,373	2,982	14,105	3,170	4,888	34,174	71,559	18,563	6,655	14,105	
1989	19,055	30	19,607	6,712	2,403	3,059	14,050	3,144	4,797	34,165	72,858	19,716	6,712	14,050	
1990	19,168	5	19,628	6,422	2,259	3,129	13,872	2,820	4,999	33,501	72,301	19,752	6,422	13,872	
1991	18,989	10	20,033	6,210	2,466	3,025	13,781	2,657	4,651	32,790	71,822	20,148	6,210	13,781	
1992	19,118	35	20,724	6,351	2,595	3,001	13,973	2,518	5,031	33,469	73,345	20,844	6,351	13,973	
1993	19,836	27	21,255	6,466	2,557	3,028	14,141	2,479	4,920	33,592	74,710	21,376	6,466	14,236	
1994	19,904	58	21,757	6,718	2,777	3,154	14,360	2,342	5,107	34,458	76,177	21,870	6,718	14,466	
1995	20,099	61	22,721	6,812	2,791	3,132	14,680	1,955	4,976	34,346	77,226	22,833	6,812	14,794	
1996	21,002	23	23,151	7,168	2,951	3,274	14,967	1,952	5,280	35,593	79,769	23,262	7,168	15,049	
1997	21,444	46	23,372	7,298	2,956	3,308	15,127	1,828	5,552	36,069	80,932	23,477	7,298	15,231	
1998	21,583	67	22,912	7,352	2,809	3,357	15,559	2,036	5,611	36,724	81,286	23,016	7,352	15,674	
1999	21,582	58	22,925	7,587	3,193	3,462	15,889	1,905	5,701	37,737	82,302	23,026	7,587	16,008	
2000	22,576	65	23,815	7,927	3,216	3,580	15,991	2,091	5,352	38,157	84,613	23,907	7,927	16,127	
2001	21,906	29	22,748	8,170	2,895	3,426	16,201	1,861	5,534	38,088	82,771	22,836	8,170	16,345	
2002	21,903	61	23,514	8,020	3,006	3,340	16,619	1,605	5,532	38,122	83,599	23,582	8,020	16,790	
2003	22,323	51	22,823	8,341	2,905	3,265	16,715	1,772	5,715	38,713	83,909	22,891	8,341	16,949	
2004	22,464	138	22,927	8,642	2,976	3,383	17,023	1,990	6,136	40,148	85,678	22,988	8,642	17,316	
2005	22,793	44	22,567	8,745	2,812	3,475	17,022	2,111	6,062	40,227	85,632	22,632	8,745	17,358	
2006	22,444	61	22,225	8,831	2,768	3,379	17,058	1,581	6,127	39,743	84,474	22,293	8,831	17,511	
2007	22,748	25	23,671	8,858	2,835	3,358	16,859	1,659	5,815	39,384	85,828	23,735	8,858	17,428	
2008	22,383	41	23,836	8,346	2,656	3,193	15,999	1,432	5,165	36,792	83,051	23,898	8,346	16,799	
2009	19,691	-24	23,421	R 7,594	2,707	2,883	15,805	1,173	4,618	R 34,780	R 77,868	23,487	7,657	16,714	
2010	20,828	-6	24,568	R 7,966	2,881	2,963	15,570	1,228	4,713	R 35,321	R 80,711	24,634	8,011	16,632	
2011	19,664	11	24,954	R 8,099	2,811	2,950	15,110	1,058	4,611	R 34,640	R 79,268	25,015	8,211	16,175	
2012	17,381	4	26,076	R 7,783	2,887	2,901	15,022	849	4,393	R 33,833	R 77,294	26,138	7,897	16,085	
2013	18,039	-17	26,789	R 7,838	3,166	2,969	15,240	731	4,455	R 34,398	R 79,209	26,845	8,051	16,332	
2014	17,997	-22	27,377	R 8,283	3,067	3,042	15,361	590	4,315	R 34,658	R 80,010	27,439	8,492	16,473	
2015	15,549	-18	28,180	R 8,178	3,221	3,204	15,788	595	4,381	R 35,368	R 79,079	28,241	8,403	16,941	
2016	14,227	-19	28,393	R 7,871	3,184	3,350	16,051	751	4,506	R 35,712	R 78,313	28,453	8,170	17,238	
2017	13,840	-29	28,057	R 7,981	3,272	3,481	16,002	784	4,523	R 36,044	R 77,912	28,126	8,263	17,201	
2018	13,250	-26	R 31,163	R 8,453	3,720	3,533	16,013	729	4,446	R 36,892	R 81,280	R 31,236	8,715	17,209	
2019	11,315	-21	R 32,236	R 8,376	3,897	3,608	15,960	631	4,395	R 36,867	R 80,397	R 32,300	8,626	17,166	
2020	9,183	-13	R 31,562	R 7,721	3,956	2,234	13,834	478	4,110	R 32,333	R 73,065	R 31,629	7,975	14,883	
2021	10,548	-49	31,656	8,243	4,230	2,835	15,095	721	4,391	35,252	77,407	31,726	8,357	16,250	

<sup>a</sup> Supplemental gaseous fuels (SGF) and biofuels are consumed with natural gas and petroleum products. In this table, SGF and biofuels are removed from natural gas and petroleum so that a fossil fuel total can be calculated without double-counting. Biofuels are included in "Renewable Energy."

<sup>b</sup> Hydrocarbon gas liquids, include natural gas liquids and refinery olefins.

<sup>c</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>d</sup> Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, petroleum coke, and the "other petroleum products" category. See Technical Notes, Section 4.

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/>

**Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2021, United States (Continued)**  
(Trillion Btu)

Year	Nuclear Electric Power	Renewable Energy											Electricity Net Imports <sup>l</sup>	Total <sup>f,j</sup>
		Hydro-electric Power <sup>e,f</sup>	Biomass						Geo-thermal <sup>f</sup>	Solar <sup>f,k</sup>	Wind	Total <sup>f,j</sup>		
			Wood and Waste <sup>g</sup>	Fuel Ethanol <sup>h</sup>	Biodiesel	Renewable Diesel	Losses and Co-products <sup>i</sup>	Total <sup>f,j</sup>						
1960	6	1,608	1,320	NA	NA	NA	NA	1,320	(s)	NA	NA	2,928	15	45,034
1965	43	2,059	1,335	NA	NA	NA	NA	1,335	2	NA	NA	3,396	(s)	53,966
1970	239	2,634	1,431	NA	NA	NA	NA	1,431	6	NA	NA	4,070	7	67,720
1971	413	2,824	1,432	NA	NA	NA	NA	1,432	6	NA	NA	4,262	12	69,164
1972	584	2,864	1,503	NA	NA	NA	NA	1,503	15	NA	NA	4,382	26	72,677
1973	910	2,861	1,529	NA	NA	NA	NA	1,529	20	NA	NA	4,411	49	75,724
1974	1,272	3,177	1,540	NA	NA	NA	NA	1,540	26	NA	NA	4,742	43	73,915
1975	1,900	3,155	1,499	NA	NA	NA	NA	1,499	34	NA	NA	4,687	21	71,953
1976	2,111	2,976	1,713	NA	NA	NA	NA	1,713	38	NA	NA	4,727	29	75,967
1977	2,702	2,333	1,838	NA	NA	NA	NA	1,838	37	NA	NA	4,209	59	77,947
1978	3,024	2,937	2,038	NA	NA	NA	NA	2,038	31	NA	NA	5,005	67	79,978
1979	2,776	2,931	2,152	NA	NA	NA	NA	2,152	40	NA	NA	5,123	69	80,836
1980	2,739	2,900	2,472	NA	NA	NA	NA	2,472	53	NA	NA	5,425	71	78,048
1981	3,008	2,758	2,587	7	NA	NA	6	2,600	59	NA	NA	5,417	113	76,094
1982	3,131	3,266	2,630	19	NA	NA	16	2,665	51	NA	NA	5,981	100	73,006
1983	3,203	3,527	2,841	34	NA	NA	29	2,904	64	NA	(s)	6,496	121	72,879
1984	3,553	3,386	2,894	42	NA	NA	35	2,972	81	(s)	(s)	6,438	135	76,511
1985	4,076	2,970	2,923	51	NA	NA	42	3,016	97	(s)	(s)	6,084	140	76,407
1986	4,380	3,071	2,825	59	NA	NA	48	2,932	108	(s)	(s)	6,111	122	76,592
1987	4,754	2,635	2,755	68	NA	NA	55	2,878	112	(s)	(s)	5,624	158	78,960
1988	5,587	2,334	2,892	69	NA	NA	55	3,016	106	(s)	(s)	5,457	108	82,711
1989	5,602	2,837	3,034	70	NA	NA	56	3,159	162	54	22	6,235	37	84,732
1990	6,104	3,046	2,626	62	NA	NA	49	2,737	171	59	29	6,042	8	84,455
1991	6,422	3,016	2,654	72	NA	NA	56	2,782	178	62	31	6,068	67	84,379
1992	6,479	2,617	2,787	81	NA	NA	64	2,932	179	63	30	5,821	87	85,732
1993	6,410	2,892	2,737	95	NA	NA	74	2,906	186	65	31	6,079	95	87,295
1994	6,694	2,683	2,839	106	NA	NA	82	3,028	173	67	36	5,987	153	89,011
1995	7,075	3,205	2,901	114	NA	NA	86	3,101	152	68	33	6,559	134	90,995
1996	7,087	3,590	3,014	82	NA	NA	61	3,157	163	69	33	7,012	137	94,005
1997	6,597	3,640	2,919	104	NA	NA	80	3,103	167	68	34	7,012	116	R 94,656
1998	7,068	3,297	2,726	115	NA	NA	86	2,927	168	67	31	6,491	88	94,933
1999	7,610	3,268	2,754	119	NA	NA	90	2,963	172	66	46	6,515	99	96,526
2000	7,862	2,811	2,773	137	NA	NA	99	3,008	164	R 63	57	6,104	115	98,695
2001	8,029	2,242	2,374	144	1	NA	108	2,627	164	62	70	5,164	75	96,039
2002	8,145	2,689	2,397	171	2	NA	130	2,701	171	60	105	5,726	72	R 97,542
2003	7,960	2,793	2,403	233	2	NA	168	2,806	173	R 58	113	5,944	22	97,835
2004	8,223	2,688	2,510	293	3	NA	201	3,008	178	R 58	142	6,075	39	100,014
2005	8,161	2,703	2,538	335	12	NA	227	3,112	181	58	178	6,232	85	R 100,109
2006	8,215	2,869	2,496	453	33	NA	280	3,262	181	R 60	264	6,637	63	99,388
2007	8,459	2,446	2,502	569	45	NA	369	3,485	186	R 65	341	6,523	107	100,916
2008	8,426	2,511	2,494	800	39	NA	519	3,851	192	R 74	546	R 7,174	112	R 98,764
2009	8,355	2,669	2,387	910	41	NA	603	3,940	200	R 77	721	R 7,607	116	R 93,947
2010	8,434	2,539	2,685	1,061	33	NA	727	4,506	208	R 90	923	R 8,266	89	R 97,500
2011	8,269	3,103	2,675	1,065	113	8	756	R 4,616	212	R 110	1,168	R 9,210	127	R 96,874
2012	8,062	2,629	2,618	1,064	115	10	711	R 4,517	212	R 156	1,340	R 8,853	161	R 94,370
2013	8,244	R 2,562	2,562	1,092	182	39	714	R 4,861	214	225	1,601	R 9,464	197	R 97,115
2014	8,338	R 2,466	2,917	1,111	181	38	766	R 5,016	214	337	R 1,727	R 9,761	182	R 98,290
2015	8,337	R 2,320	2,830	1,153	191	48	791	R 5,015	212	427	R 1,776	R 9,749	227	R 97,393
2016	8,427	R 2,471	2,730	1,187	266	57	821	R 5,063	210	570	R 2,095	R 10,409	227	R 97,375
2017	8,419	R 2,765	2,680	1,199	253	62	847	R 5,045	210	777	R 2,342	R 11,138	192	R 97,661
2018	8,438	R 2,661	2,749	1,197	243	57	855	R 5,105	209	915	R 2,481	R 11,370	152	R 101,239
2019	8,452	R 2,562	2,680	1,206	231	99	835	R 5,056	201	R 1,016	R 2,633	R 11,468	133	R 100,451
2020	R 8,251	R 2,501	2,504	1,050	239	107	735	R 4,640	203	R 1,211	R 2,963	R 11,518	161	R 92,996
2021	8,129	2,225	2,515	1,155	218	158	789	4,845	205	1,520	3,345	12,140	134	97,810

<sup>e</sup> Conventional hydroelectric power. For 1960 through 1989, includes hydroelectric pumped-storage, which cannot be separately identified.

<sup>f</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>g</sup> Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.

<sup>h</sup> 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.

<sup>i</sup> Losses and co-products from the production of biodiesel and fuel ethanol.

<sup>j</sup> Beginning in 2014, U.S. total includes other biofuels not allocated to the states.

<sup>k</sup> Solar thermal and photovoltaic energy.

<sup>l</sup> 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/>