Table CT1. Energy Consumption Estimates for Major Energy Sources in Physical Units, Selected Years, 1960-2017, United States

Year	Coal	Net Imports of Coal Coke	Natural Gas [a]	Petroleum: Distillate Fuel Oil	Petroleum: HGL [b]	Petroleum: Jet Fuel [c]	Petroleum: Motor Gasoline [d]	Petroleum: Residual Fuel Oil	Petroleum: Other [e]	Petroleum: Total	Nuclear Electric Power	Hydro-electric Power [f]	Fuel Ethanol [g]
	Million Short Tons		Billion Cubic Feet	Million Barrels							Billion Kilowatthours		Million Barrels
1960	398	(s)	11,967	685	227	136	1,453	559	525	3,586	1	149	NA
1965	472	-1	15,280	776	307	220	1,676	587	636	4,202	4	197	NA
1970	523	-2	21,139	927	447	353	2,111	804	722	5,364	22	251	NA
1971	502	-1	21,793	971	457	369	2,195	838	722	5,553	38	270	NA
1972	524	-1	22,101	1,066	520	382	2,334	926	762	5,990	54	276	NA
1973	563	(s)	22,049	1,129	531	387	2,436	1,030	805	6,317	83	275	NA
1974	558	2	21,223	1,076	519	363	2,386	963	771	6,078	114	304	NA
1975	563	1	19,538	1,041	493	365	2,436	899	723	5,958	173	303	NA
1976	604	(s)	19,946	1,147	515	361	2,554	1,025	789	6,391	191	287	NA
1977	625	1	19,521	1,223	519	379	2,620	1,121	866	6,727	251	224	NA
1978	625	5	19,627	1,253	516	386	2,705	1,103	917	6,879	276	283	NA
1979	681	3	20,241	1,208	607	393	2,568	1,032	949	6,757	255	283	NA
1980	703	-1	19,877	1,049	582	391	2,408	918	895	6,242	251	279	NA
1981	733	-1	19,404	1,032	578	368	2,404	762	717	5,861	273	264	2
1982	707	-1	18,001	975	584	370	2,387	627	641	5,583	283	312	5
1983	737	-1	16,835	982	561	382	2,417	519	699	5,559	294	335	10
1984	791	(s)	17,951	1,041	623	430	2,449	501	711	5,756	328	324	12
1985	818	-1	17,281	1,047	628	445	2,493	439	688	5,740	384	284	15
1986	804	-1	16,221	1,064	594	477	2,567	518	722	5,942	414	294	17
1987	837	(s)	17,211	1,086	638	506	2,630	462	761	6,083	455	253	19
1988	884	2	18,030	1,143	651	530	2,685	504	812	6,326	527	226	20
1989	895	1	19,119	1,152	653	544	2,675	500	800	6,324	529	272	20
1990	904	(s)	19,174	1,103	622	556	2,641	449	831	6,201	577	293	18
1991	899	(s)	19,562	1,066	680	537	2,623	423	771	6,101	613	289	21
1992	908	1	20,228	1,090	712	532	2,660	401	839	6,234	619	253	23
1993	944	1	20,790	1,110	705	536	2,729	394	817	6,291	610	280	27
1994	951	2	21,247	1,154	759	557	2,774	373	849	6,467	640	260	31
1995	962	2	22,207	1,170	766	553	2,843	311	826	6,469	673	311	33
1996	1,006	1	22,609	1,232	813	578	2,888	311	880	6,701	675	347	24
1997	1,030	2	22,737	1,254	815	583	2,926	291	927	6,796	629	356	30
1998	1,037	3	22,246	1,263	776	592	3,012	324	937	6,905	674	323	33
1999	1,039	2	22,405	1,304	880	611	3,077	303	950	7,125	728	320	34
2000	1,084	3	23,333	1,362	891	631	3,101	333	893	7,211	754	276	39
2001	1,060	1	22,239	1,404	803	604	3,143	296	922	7,172	769	217	41
2002	1,066	2	23,027	1,378	838	589	3,229	255	923	7,213	780	264	49
2003	1,095	2	22,277	1,433	805	576	3,261	282	955	7,312	764	276	67
2004	1,107	6	22,403	1,485	829	597	3,333	316	1,028	7,588	789	268	85
2005	1,126	2	22,014	1,503	783	613	3,343	336	1,015	7,593	782	270	97
2006	1,112	2	21,699	1,522	779	596	3,377	251	1,025	7,551	787	289	131
2007	1,128	1	23,104	1,532	800	592	3,389	264	972	7,548	806	248	164
2008	1,120	2	23,277	1,444	748	563	3,290	228	863	7,136	806	255	231
2009	997	-1	22,910	1,325	776	509	3,284	187	771	6,852	799	273	263
2010	1,049	(s)	24,087	1,387	827	523	3,282	195	787	7,001	807	260	306
2011	1,003	(s)	24,477	1,423	818	520	3,195	168	769	6,894	790	319	307
2012	889	(s)	25,538	1,369	841	512	3,178	135	732	6,766	769	276	307
2013	924	-1	26,155	1,397	913	524	3,228	116	745	6,923	789	269	315
2014	918	-1	26,593	1,474	891	537	3,256	94	720	6,972	797	259	320
2015	798	-1	27,244	1,458	931	565	3,350	95	730	7,130	797	249	332
2016	731	-1	R 27,444	1,419	928	591	3,410	119	738	7,206	806	268	342
2017	717	-1	27,126	1,435	965	614	3,404	125	742	7,285	805	300	345

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Hydrocarbon gas liquids, include natural gas liquids and refinery olefins.
[c] 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."
[d] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, petroleum coke, and the "other petroleum products" category. See Technical Notes, Section 4.
[f] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[g] Includes 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.
NA = Not available.
Where shown, R = Revised data and (s) = Value less than +0.5 and greater than -0.5.
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.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2017, United States

(Trillion Btu)

Year	Fossil Fuels											*Fossil Fuels (as commingled)*	
				Petroleum									
	Coal	Net Imports of Coal Coke	Natural Gas excluding Supplemental Gaseous Fuels [a]	Distillate Fuel Oil	HGL [b]	Jet Fuel [c]	Motor Gasoline excluding Fuel Ethanol [a]	Residual Fuel Oil	Other [d]	Total	Total	*Natural Gas including Supplemental Gaseous Fuels [a]*	*Motor Gasoline including Fuel Ethanol [a]*
1960	9,831	-6	12,385	3,992	R 866	739	7,631	3,517	3,129	R 19,874	R 42,084	*12,385*	*7,631*
1965	11,582	-18	15,779	4,519	R 1,170	1,215	8,806	3,691	3,784	R 23,184	R 50,527	*15,779*	*8,806*
1970	12,269	-58	21,693	5,401	R 1,667	1,973	11,091	5,057	4,312	R 29,500	R 63,404	*21,693*	*11,091*
1971	11,603	-33	22,365	5,658	R 1,700	2,061	11,532	5,269	4,322	R 30,541	R 64,477	*22,365*	*11,532*
1972	12,110	-26	22,682	6,210	R 1,927	2,141	12,259	5,820	4,563	R 32,919	R 67,685	*22,682*	*12,259*
1973	12,960	-7	22,595	6,575	R 1,959	2,167	12,797	6,477	4,831	R 34,806	R 70,354	*22,595*	*12,797*
1974	12,651	56	21,730	6,267	R 1,914	2,030	12,535	6,056	4,619	R 33,421	R 67,857	*21,730*	*12,535*
1975	12,656	14	19,977	6,061	R 1,811	2,047	12,798	5,649	4,332	R 32,699	R 65,345	*19,977*	*12,798*
1976	13,576	(s)	20,381	6,679	R 1,877	2,026	13,415	6,445	4,700	R 35,142	R 69,099	*20,381*	*13,415*
1977	13,907	15	19,972	7,126	R 1,867	2,126	13,760	7,047	5,156	R 37,083	R 70,977	*19,972*	*13,760*
1978	13,770	125	20,068	7,296	R 1,848	2,164	14,211	6,936	5,464	R 37,919	R 71,881	*20,068*	*14,211*
1979	15,042	63	20,688	7,039	R 2,214	2,204	13,487	6,485	5,646	R 37,076	R 72,868	*20,688*	*13,487*
1980	15,461	-35	20,227	6,110	R 2,135	2,190	12,648	5,772	5,304	R 34,160	R 69,813	*20,384*	*12,648*
1981	15,938	-16	19,750	6,014	R 2,098	2,062	12,631	4,791	4,289	R 31,884	R 67,556	*19,928*	*12,631*
1982	15,269	-22	18,367	5,679	R 2,095	2,072	12,538	3,939	3,858	R 30,180	R 63,794	*18,515*	*12,538*
1983	15,867	-16	17,212	5,720	R 1,983	2,141	12,697	3,260	4,196	R 29,997	R 63,061	*17,348*	*12,697*
1984	17,014	-11	18,390	6,065	R 2,230	2,414	12,867	3,151	4,267	R 30,993	R 66,385	*18,503*	*12,867*
1985	17,540	-13	17,714	6,098	R 2,252	2,497	13,098	2,759	4,164	R 30,867	R 66,107	*17,843*	*13,098*
1986	17,241	-17	16,603	6,196	R 2,158	2,682	13,487	3,255	4,372	R 32,151	R 65,978	*16,718*	*13,487*
1987	17,950	9	17,647	6,328	R 2,339	2,843	13,816	2,901	4,591	R 32,818	R 68,424	*17,750*	*13,816*
1988	18,886	40	18,460	6,655	R 2,373	2,982	14,105	3,170	4,888	R 34,174	R 71,559	*18,563*	*14,105*
1989	19,055	30	19,607	6,712	R 2,403	3,059	14,050	3,144	4,797	R 34,165	R 72,858	*19,716*	*14,050*
1990	19,168	5	19,628	6,422	R 2,259	3,129	13,872	2,820	4,999	R 33,501	R 72,301	*19,752*	*13,872*
1991	18,989	10	20,033	6,210	R 2,466	3,025	13,781	2,657	4,651	R 32,790	R 71,822	*20,148*	*13,781*
1992	19,118	35	20,724	6,351	R 2,595	3,001	13,973	2,518	5,031	R 33,469	R 73,345	*20,844*	*13,973*
1993	19,836	27	21,255	6,466	R 2,557	3,028	R 14,141	2,479	4,920	R 33,592	R 74,710	*21,376*	R *14,236*
1994	19,904	58	21,757	6,718	R 2,777	3,154	R 14,360	2,342	5,107	R 34,458	R 76,177	*21,870*	R *14,466*
1995	20,099	61	22,721	6,812	R 2,791	3,132	R 14,680	1,955	4,976	R 34,346	R 77,226	*22,833*	R *14,794*
1996	21,002	23	23,151	7,168	R 2,951	3,274	R 14,967	1,952	5,280	R 35,593	R 79,769	*23,262*	R *15,049*
1997	21,444	46	23,372	7,298	R 2,956	3,308	R 15,127	1,828	5,552	R 36,069	R 80,932	*23,477*	R *15,231*
1998	21,583	67	22,912	7,352	R 2,809	3,357	R 15,559	2,036	5,611	R 36,724	R 81,286	*23,016*	R *15,674*
1999	21,582	58	22,925	7,587	R 3,193	3,462	R 15,889	1,905	5,701	R 37,737	R 82,302	*23,026*	R *16,008*
2000	22,576	65	23,815	7,927	R 3,216	3,580	R 15,991	2,091	5,352	R 38,157	R 84,613	*23,907*	R *16,127*
2001	21,906	29	22,748	8,170	R 2,895	3,426	R 16,201	1,861	5,534	R 38,088	R 82,771	*22,836*	R *16,345*
2002	21,903	61	23,514	8,020	R 3,006	3,340	R 16,619	1,605	5,532	R 38,122	R 83,599	*23,582*	R *16,790*
2003	22,323	51	22,823	8,341	R 2,905	3,265	R 16,715	1,772	5,715	R 38,713	R 83,909	*22,891*	R *16,949*
2004	22,464	138	22,927	8,642	R 2,976	3,383	R 17,023	1,990	6,136	R 40,148	R 85,678	*22,988*	R *17,316*
2005	22,793	44	22,567	8,745	R 2,812	3,475	R 17,022	2,111	6,062	R 40,227	R 85,632	*22,632*	R *17,358*
2006	22,444	61	22,225	8,831	R 2,768	3,379	R 17,058	1,581	6,127	R 39,743	R 84,474	*22,293*	R *17,511*
2007	22,748	25	23,671	8,858	R 2,835	3,358	R 16,859	1,659	5,815	R 39,384	R 85,828	*23,735*	R *17,428*
2008	22,383	41	23,836	8,346	R 2,656	3,193	R 15,999	1,432	5,165	R 36,792	R 83,051	*23,898*	R *16,799*
2009	19,691	-24	23,421	R 7,657	R 2,707	2,883	R 15,801	1,173	4,618	R 34,839	R 77,927	*23,487*	R *16,711*
2010	20,828	-6	24,568	R 8,011	R 2,885	2,963	R 15,570	1,228	4,713	R 35,369	R 80,759	*24,634*	R *16,632*
2011	19,664	11	24,954	R 8,211	R 2,799	2,950	R 15,110	1,058	4,611	R 34,739	R 79,368	*25,015*	R *16,175*
2012	17,381	4	26,076	R 7,897	R 2,893	2,901	R 15,022	849	4,393	R 33,954	R 77,415	*26,138*	R *16,085*
2013	18,039	-17	26,789	R 8,051	R 3,166	2,969	R 15,240	731	4,455	R 34,612	R 79,422	*26,845*	R *16,332*
2014	17,997	-22	27,377	R 8,492	R 3,066	3,042	R 15,361	590	4,315	R 34,867	R 80,219	*27,439*	R *16,473*
2015	15,549	-18	28,180	R 8,403	R 3,224	3,204	R 15,788	595	4,381	R 35,596	R 79,306	*28,241*	R *16,941*
2016	14,227	-19	R 28,393	R 8,170	R 3,178	3,350	R 16,051	751	4,433	R 35,932	R 78,532	R *28,453*	R *17,238*
2017	13,840	-29	28,042	8,263	3,280	3,481	16,002	784	4,451	36,262	78,115	*28,111*	*17,201*

[a] Supplemental gaseous fuels (SGF) and fuel ethanol are consumed with natural gas and motor gasoline, respectively. In this table, natural gas excluding SGF and motor gasoline excluding fuel ethanol are presented so that a fossil fuel total can be calculated. Natural gas including SGF and motor gasoline including fuel ethanol are presented separately for reference.

[b] Hydrocarbon gas liquids, include natural gas liquids and refinery olefins.

[c] 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."

[d] 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.

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

Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2017, United States (Continued)

(Trillion Btu)

Year	Nuclear Electric Power	Renewable Energy									Electricity Net Imports [k]	Total [f]
		Hydro-electric Power [e,f]	Biomass				Geo-thermal [f]	Solar [f,j]	Wind	Total [f]		
			Wood and Waste [f,g]	Fuel Ethanol [h]	Losses and Co-products [i]	Total [f]						
1960	6	1,608	1,320	NA	NA	1,320	(s)	NA	NA	2,928	15	R 45,034
1965	43	2,059	1,335	NA	NA	1,335	2	NA	NA	3,396	(s)	R 53,966
1970	239	2,634	1,431	NA	NA	1,431	6	NA	NA	4,070	7	R 67,720
1971	413	2,824	1,432	NA	NA	1,432	6	NA	NA	4,262	12	R 69,164
1972	584	2,864	1,503	NA	NA	1,503	15	NA	NA	4,382	26	R 72,677
1973	910	2,861	1,529	NA	NA	1,529	20	NA	NA	4,411	49	R 75,724
1974	1,272	3,177	1,540	NA	NA	1,540	26	NA	NA	4,742	43	R 73,915
1975	1,900	3,155	1,499	NA	NA	1,499	34	NA	NA	4,687	21	R 71,953
1976	2,111	2,976	1,713	NA	NA	1,713	38	NA	NA	4,727	29	R 75,967
1977	2,702	2,333	1,838	NA	NA	1,838	37	NA	NA	4,209	59	R 77,947
1978	3,024	2,937	2,038	NA	NA	2,038	31	NA	NA	5,005	67	R 79,978
1979	2,776	2,931	2,152	NA	NA	2,152	40	NA	NA	5,123	69	R 80,836
1980	2,739	2,900	2,472	NA	NA	2,472	53	NA	NA	5,425	71	R 78,048
1981	3,008	2,758	2,587	7	6	2,600	59	NA	NA	5,417	113	R 76,094
1982	3,131	3,266	2,630	19	16	2,665	51	NA	NA	5,981	100	R 73,006
1983	3,203	3,527	2,841	34	29	2,904	64	NA	(s)	6,496	121	R 72,879
1984	3,553	3,386	2,894	42	35	2,972	81	(s)	(s)	6,438	135	R 76,511
1985	4,076	2,970	2,923	51	42	3,016	97	(s)	(s)	6,084	140	R 76,407
1986	4,380	3,071	2,825	59	48	2,932	108	(s)	(s)	6,111	122	R 76,592
1987	4,754	2,635	2,755	68	55	2,878	112	(s)	(s)	5,624	158	R 78,960
1988	5,587	2,334	2,892	69	55	3,016	106	(s)	(s)	5,457	108	R 82,711
1989	5,602	2,837	3,034	70	56	3,159	162	54	22	6,235	37	R 84,732
1990	6,104	3,046	2,626	62	49	2,737	171	59	29	6,042	8	R 84,455
1991	6,422	3,016	2,654	72	56	2,782	178	62	31	6,068	67	R 84,379
1992	6,479	2,617	2,787	81	64	2,932	179	63	30	5,821	87	R 85,732
1993	6,410	2,892	2,737	95	74	2,906	186	65	31	6,079	95	R 87,295
1994	6,694	2,683	2,839	106	82	3,028	173	67	36	5,987	153	R 89,011
1995	7,075	3,205	2,901	114	86	3,101	152	68	33	6,559	134	R 90,995
1996	7,087	3,590	3,014	82	61	3,157	163	69	33	7,012	137	R 94,005
1997	6,597	3,640	2,919	104	80	3,103	167	68	34	7,012	116	R 94,656
1998	7,068	3,297	2,726	115	86	2,927	168	67	31	6,491	88	R 94,933
1999	7,610	3,268	2,754	119	90	2,963	172	66	46	6,515	99	R 96,526
2000	7,862	2,811	2,773	137	99	3,008	164	63	57	6,104	115	R 98,695
2001	8,029	2,242	2,374	144	108	2,625	164	62	70	5,163	75	R 96,038
2002	8,145	2,689	2,397	171	130	2,699	171	60	105	5,724	72	R 97,540
2003	7,960	2,793	2,403	233	168	2,805	173	58	113	5,942	22	R 97,833
2004	8,223	2,688	2,510	293	201	3,005	178	58	142	6,071	39	R 100,010
2005	8,161	2,703	2,538	335	227	3,101	181	58	178	6,220	85	R 100,098
2006	8,215	2,869	2,496	453	280	3,228	181	61	264	6,603	63	R 99,354
2007	8,459	2,446	2,502	569	368	3,439	186	R 66	341	6,477	107	R 100,870
2008	8,426	2,511	2,494	800	518	3,811	192	74	546	R 7,135	112	R 98,725
2009	8,355	2,669	2,387	910	602	3,898	200	78	721	7,566	116	R 93,965
2010	8,434	2,539	R 2,685	1,061	726	R 4,472	208	R 91	923	R 8,233	89	R 97,516
2011	8,269	3,103	R 2,675	1,065	754	R 4,494	212	R 112	1,168	R 9,089	127	R 96,853
2012	8,062	2,629	R 2,618	1,064	709	R 4,391	212	R 159	1,340	R 8,730	161	R 94,368
2013	8,244	2,562	R 2,835	1,092	707	R 4,633	214	225	1,601	R 9,236	197	R 97,099
2014	8,338	2,467	R 2,917	1,111	755	R 4,783	214	337	1,728	R 9,529	182	R 98,267
2015	8,337	2,321	R 2,830	1,153	774	R 4,757	212	R 427	1,777	R 9,494	227	R 97,364
2016	8,427	2,472	R 2,733	1,187	798	R 4,718	210	R 570	2,096	R 10,065	206	R 97,230
2017	8,419	2,767	2,781	1,199	819	4,798	210	777	2,343	10,895	192	97,622

[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, 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 fuel ethanol.

[j] Solar thermal and photovoltaic energy.

[k] Electricity traded with Canada and Mexico. Calculated by converting net imports in kilowatthours by 3,412 Btu per kilowatthour.

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.

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

Table CT3. Total End-Use Energy Consumption Estimates, Selected Years, 1960-2017, United States

Year	Coal	Net Imports-Coal Coke	Natural Gas [a]	Petroleum: Distillate Fuel Oil	Petroleum: HGL [b]	Petroleum: Jet Fuel [c]	Petroleum: Motor Gasoline [d]	Petroleum: Residual Fuel Oil	Petroleum: Other [e]	Petroleum: Total	Hydro-electric Power [f,g]	Biomass: Wood and Waste [g,h]	Biomass: Losses and Co-products [i]	Geo-thermal [g]	Solar [g,j]	Electricity Retail Sales	Net Energy [g,k]	Electrical System Energy Losses [l]	Total [g,k]
	Million Short Tons		Billion Cubic Feet	Million Barrels							Billion Kilowatt-hours					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	– –	– –	– –
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	R 17,459	1,410	928	591	3,410	108	717	7,164	1	– –	– –	– –	– –	3,762	– –	– –	– –
2017	52	-1	17,860	1,426	965	614	3,404	114	725	7,248	2	– –	– –	– –	– –	3,723	– –	– –	– –
										Trillion Btu									
1960	5,604	-6	10,600	3,969	R 866	739	7,631	2,987	3,129	R 19,321	39	1,318	NA	NA	NA	2,348	R 39,224	5,809	R 45,034
1970	5,041	-58	17,645	5,260	R 1,667	1,973	11,091	3,099	4,293	R 27,383	34	1,427	NA	NA	NA	4,751	R 56,223	11,497	R 67,720
1980	3,303	-35	16,580	5,952	R 2,135	2,179	12,648	3,312	5,299	R 31,526	33	2,467	NA	NA	NA	7,146	R 60,870	17,178	R 78,048
1990	2,909	5	16,419	6,326	R 2,259	3,129	13,872	1,657	4,969	R 32,211	32	2,310	49	10	55	9,255	R 63,200	21,255	R 84,455
2000	2,356	65	18,590	7,753	R 3,216	3,580	R 16,127	1,220	5,254	R 37,149	43	2,320	99	21	58	11,674	R 72,290	26,405	R 98,695
2001	2,293	29	17,340	8,000	R 2,895	3,426	R 16,345	859	5,431	R 36,955	33	2,037	108	22	56	11,582	R 70,374	25,663	R 96,038
2002	2,120	61	17,793	7,892	R 3,006	3,340	R 16,790	947	5,356	R 37,332	39	2,017	130	24	54	11,824	R 71,330	26,210	R 97,540
2003	2,139	51	17,632	8,180	R 2,905	3,265	R 16,949	902	5,540	R 37,742	43	2,011	168	27	53	11,921	R 71,722	26,111	R 97,833
2004	2,161	138	17,380	8,530	R 2,976	3,383	R 17,316	1,111	5,925	R 39,241	34	2,127	201	30	53	12,104	R 73,409	26,601	R 100,010
2005	2,058	44	16,596	8,630	R 2,812	3,475	R 17,358	1,235	5,831	R 39,340	33	2,137	227	34	52	12,491	R 72,954	27,144	R 100,098
2006	1,984	61	15,899	8,757	R 2,768	3,379	R 17,511	1,220	5,924	R 39,559	30	2,088	280	37	56	12,522	R 72,453	26,902	R 99,354
2007	1,943	25	16,707	8,770	R 2,835	3,358	R 17,428	1,262	5,653	R 39,305	16	2,083	368	41	R 60	12,845	R 73,334	27,536	R 100,870
2008	1,872	41	17,049	8,274	R 2,656	3,193	R 16,799	1,191	5,019	R 37,132	17	2,063	518	46	R 66	12,740	R 71,486	27,239	R 98,725
2009	1,468	-24	16,443	R 7,587	R 2,707	2,883	R 16,711	992	4,486	R 35,366	19	1,949	602	54	69	12,272	R 68,156	25,809	R 93,965
2010	1,695	-6	17,083	R 7,931	R 2,885	2,963	R 16,632	1,074	4,576	R 36,060	17	R 2,225	726	60	R 80	12,812	R 70,690	26,826	R 97,516
2011	1,628	11	17,281	R 8,148	R 2,799	2,950	R 16,175	965	4,472	R 35,509	18	R 2,238	754	64	R 96	12,794	R 70,336	26,516	R 96,853
2012	1,560	4	16,826	R 7,845	R 2,893	2,901	R 16,085	772	4,308	R 34,804	23	R 2,165	709	64	R 119	12,606	R 68,822	25,545	R 94,368
2013	1,588	-17	18,447	R 7,996	R 3,166	2,969	R 16,332	654	4,332	R 35,448	33	R 2,365	707	64	141	12,709	R 71,435	25,665	R 97,099
2014	1,569	-22	19,054	R 8,410	R 3,066	3,042	R 16,473	495	4,197	R 35,683	13	R 2,387	755	64	R 173	12,845	R 72,465	25,803	R 98,267
2015	1,411	-18	18,296	R 8,332	R 3,224	3,204	R 16,941	501	4,270	R 36,473	13	R 2,305	774	64	R 199	12,826	R 72,288	25,076	R 97,364
2016	1,230	-19	R 18,128	R 8,115	R 3,178	3,350	R 17,238	680	4,315	R 36,875	14	R 2,228	798	64	R 242	12,838	R 72,346	R 24,884	R 97,230
2017	1,217	-29	18,533	8,208	3,280	3,481	17,201	718	4,354	37,243	15	2,271	819	64	291	12,704	73,069	24,552	97,622

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Hydrocarbon gas liquids, include natural gas liquids and refinery olefins.
[c] 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."
[d] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, petroleum coke, and the "other petroleum products" category. See Technical Notes, Section 4.
[f] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[g] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[h] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[i] Losses and co-products from the production of fuel ethanol.
[j] Solar thermal and photovoltaic energy.
[k] 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.
[l] 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.

Table CT4. Residential Sector Energy Consumption Estimates, Selected Years, 1960-2017, United States

Year	Coal [a]	Natural Gas [b]	Petroleum				Biomass	Geothermal [e]	Solar [e,f]	Electricity Retail Sales	Net Energy [e,g]	Electrical System Energy Losses [h]	Total [e,g]
			Distillate Fuel Oil	HGL [c]	Kerosene	Total							
	Million Short Tons	Billion Cubic Feet	Million Barrels				Wood [d]			Billion Kilowatthours			
1960	24	3,103	269	79	62	411	– –	– –	– –	201	– –	– –	– –
1965	15	3,903	294	100	59	453	– –	– –	– –	291	– –	– –	– –
1970	9	4,837	322	143	53	518	– –	– –	– –	466	– –	– –	– –
1975	3	4,924	310	133	28	472	– –	– –	– –	588	– –	– –	– –
1980	1	4,752	226	81	19	326	– –	– –	– –	717	– –	– –	– –
1985	2	4,433	188	82	28	297	– –	– –	– –	794	– –	– –	– –
1990	1	4,391	168	92	11	271	– –	– –	– –	924	– –	– –	– –
1995	1	4,850	155	103	13	271	– –	– –	– –	1,043	– –	– –	– –
1996	1	5,241	159	122	16	297	– –	– –	– –	1,083	– –	– –	– –
1997	1	4,984	150	119	16	285	– –	– –	– –	1,076	– –	– –	– –
1998	1	4,520	133	111	19	262	– –	– –	– –	1,130	– –	– –	– –
1999	1	4,726	142	137	20	299	– –	– –	– –	1,145	– –	– –	– –
2000	(s)	4,996	155	145	17	317	– –	– –	– –	1,192	– –	– –	– –
2001	(s)	4,771	156	137	17	310	– –	– –	– –	1,202	– –	– –	– –
2002	1	4,889	148	140	11	298	– –	– –	– –	1,265	– –	– –	– –
2003	1	5,079	160	142	12	314	– –	– –	– –	1,276	– –	– –	– –
2004	1	4,869	159	133	15	307	– –	– –	– –	1,292	– –	– –	– –
2005	(s)	4,827	147	134	15	295	– –	– –	– –	1,359	– –	– –	– –
2006	(s)	4,368	122	116	12	250	– –	– –	– –	1,352	– –	– –	– –
2007	(s)	4,722	125	126	8	258	– –	– –	– –	1,392	– –	– –	– –
2008	0	4,892	130	144	4	278	– –	– –	– –	1,381	– –	– –	– –
2009	0	4,779	101	143	5	248	– –	– –	– –	1,365	– –	– –	– –
2010	0	4,782	97	138	5	240	– –	– –	– –	1,446	– –	– –	– –
2011	0	4,714	90	128	3	222	– –	– –	– –	1,423	– –	– –	– –
2012	0	4,150	84	103	1	188	– –	– –	– –	1,375	– –	– –	– –
2013	0	4,897	85	121	1	207	– –	– –	– –	1,395	– –	– –	– –
2014	0	5,087	92	127	2	222	– –	– –	– –	1,407	– –	– –	– –
2015	0	4,613	96	116	2	213	– –	– –	– –	1,404	– –	– –	– –
2016	0	R 4,347	75	112	2	190	– –	– –	– –	1,411	– –	– –	– –
2017	0	4,412	75	112	1	189	– –	– –	– –	1,379	– –	– –	– –
							Trillion Btu						
1960	578	3,212	1,568	305	354	R 2,228	627	NA	NA	687	R 7,332	1,701	9,033
1965	348	4,019	1,713	R 386	334	2,432	468	NA	NA	993	R 8,261	2,372	10,632
1970	207	4,953	1,878	549	298	R 2,726	401	NA	NA	1,591	9,877	3,851	R 13,729
1975	62	5,024	1,807	512	161	2,479	425	NA	NA	2,007	R 9,998	4,816	R 14,815
1980	31	4,855	1,316	R 312	107	1,734	846	NA	NA	2,448	R 9,846	5,886	R 15,732
1985	39	4,566	1,092	R 315	159	R 1,566	1,010	NA	NA	2,709	9,835	6,206	R 16,042
1990	31	4,519	978	R 353	64	R 1,395	582	6	55	3,153	9,694	7,243	16,937
1995	17	4,984	904	395	74	R 1,374	520	7	63	3,557	10,481	8,032	18,513
1996	16	5,391	925	469	89	1,483	540	7	63	3,694	R 11,154	8,350	R 19,504
1997	16	5,125	874	455	93	R 1,422	428	7	62	3,671	10,694	8,265	R 18,960
1998	12	4,671	771	424	108	R 1,304	380	8	62	3,856	R 10,259	8,689	R 18,948
1999	14	4,857	827	R 527	111	R 1,465	390	9	60	3,906	R 10,666	8,873	R 19,539
2000	11	5,104	904	R 556	95	R 1,554	420	9	58	4,069	R 11,191	9,198	20,389
2001	11	4,902	907	526	95	R 1,529	374	9	55	4,100	R 10,951	9,075	R 20,026
2002	12	5,006	859	R 538	60	R 1,457	380	10	53	4,317	R 11,212	9,551	R 20,763
2003	12	5,224	931	R 545	70	R 1,547	400	13	52	4,353	11,576	9,507	R 21,083
2004	11	4,993	923	512	85	R 1,520	410	14	51	4,408	R 11,387	9,656	R 21,043
2005	8	4,958	853	R 514	84	1,450	428	16	50	4,638	R 11,528	10,044	21,571
2006	6	4,483	709	446	66	R 1,222	380	18	53	4,611	10,752	9,872	R 20,624
2007	8	4,849	721	484	44	1,249	420	22	55	4,750	11,334	10,155	21,489
2008	0	5,018	750	553	21	R 1,325	470	26	58	4,711	11,589	10,046	R 21,635
2009	0	4,899	582	R 548	28	1,157	504	33	60	4,657	11,290	9,760	21,050
2010	0	4,887	561	R 530	29	1,120	R 541	37	65	4,933	R 11,564	10,296	R 21,860
2011	0	4,817	R 522	R 493	19	1,033	R 524	40	71	4,855	R 11,323	10,022	R 21,346
2012	0	4,253	482	R 396	8	885	R 438	40	79	4,690	R 10,369	9,459	R 19,828
2013	0	5,037	491	463	8	962	R 572	40	91	4,759	R 11,446	9,574	R 21,019
2014	0	5,258	R 532	R 490	14	1,035	R 579	40	109	4,801	R 11,804	9,614	R 21,418
2015	0	4,794	R 550	R 446	10	1,006	R 513	40	R 128	4,791	R 11,256	9,330	R 20,586
2016	0	R 4,525	434	R 430	14	877	R 448	40	R 161	4,815	R 10,851	9,300	R 20,151
2017	0	4,592	431	431	8	870	433	40	193	4,704	10,817	9,047	19,864

[a] Beginning in 2008, data are no longer collected and are assumed to be zero.
[b] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[c] Hydrocarbon gas liquids, assumed to be propane only.
[d] Wood and wood-derived fuels.
[e] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[f] Solar thermal and photovoltaic energy. Includes solar thermal energy consumed as heat by the commercial and industrial sectors.
[g] 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.
[h] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses. Pre-1990 estimates are not comparable to those for later years. See Section 6 of Technical Notes for an explanation of changes in methodology.

– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Value less than 0.5.
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.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

Table CT5. Commercial Sector Energy Consumption Estimates, Selected Years, 1960-2017, United States

Year	Coal	Natural Gas [a]	Petroleum: Distillate Fuel Oil	Petroleum: HGL [b]	Petroleum: Kerosene	Petroleum: Motor Gasoline [c]	Petroleum: Residual Fuel Oil	Petroleum: Total [d]	Hydro-electric Power [e,f]	Biomass: Wood and Waste [f,g]	Geothermal [f]	Solar [f,h]	Electricity Retail Sales	Net Energy [f,i]	Electrical System Energy Losses [j]	Total [f,i]
	Million Short Tons	Billion Cubic Feet	Million Barrels						Billion kWh			Billion kWh				
1960	17	1,020	85	21	8	13	89	216	NA	– –	– –	NA	159	– –	– –	– –
1965	11	1,444	92	27	9	15	103	245	NA	– –	– –	NA	231	– –	– –	– –
1970	7	2,399	101	37	11	16	114	279	NA	– –	– –	NA	352	– –	– –	– –
1975	7	2,508	101	34	9	17	78	238	NA	– –	– –	NA	468	– –	– –	– –
1980	5	2,611	89	23	7	20	90	229	NA	– –	– –	NA	559	– –	– –	– –
1985	6	2,432	108	25	6	18	36	193	NA	– –	– –	NA	689	– –	– –	– –
1990	5	2,623	92	27	2	21	37	178	(s)	– –	– –	(s)	838	– –	– –	– –
1995	5	3,031	82	28	4	3	23	140	(s)	– –	– –	(s)	953	– –	– –	– –
1996	5	3,158	83	32	4	5	22	145	(s)	– –	– –	(s)	980	– –	– –	– –
1997	6	3,215	76	31	4	8	18	138	(s)	– –	– –	(s)	1,027	– –	– –	– –
1998	4	2,999	74	31	5	7	14	131	(s)	– –	– –	(s)	1,078	– –	– –	– –
1999	4	3,045	75	37	5	5	12	134	(s)	– –	– –	(s)	1,104	– –	– –	– –
2000	4	3,182	84	39	5	9	15	152	(s)	– –	– –	(s)	1,159	– –	– –	– –
2001	4	3,023	87	37	6	7	11	148	(s)	– –	– –	(s)	1,191	– –	– –	– –
2002	4	3,144	76	37	3	9	13	137	(s)	– –	– –	(s)	1,205	– –	– –	– –
2003	4	3,179	85	41	3	12	18	159	(s)	– –	– –	(s)	1,199	– –	– –	– –
2004	5	3,129	81	40	4	9	19	152	(s)	– –	– –	(s)	1,230	– –	– –	– –
2005	4	2,999	77	34	4	9	18	142	(s)	– –	– –	(s)	1,275	– –	– –	– –
2006	3	2,832	69	32	3	9	12	125	(s)	– –	– –	(s)	1,300	– –	– –	– –
2007	3	3,013	66	32	2	12	12	123	(s)	– –	– –	(s)	1,336	– –	– –	– –
2008	4	3,153	66	41	1	9	11	128	(s)	– –	– –	1	1,336	– –	– –	– –
2009	3	3,119	68	36	1	10	11	127	(s)	– –	– –	1	1,307	– –	– –	– –
2010	3	3,103	68	36	1	10	10	125	(s)	– –	– –	1	1,330	– –	– –	– –
2011	3	3,155	68	37	1	9	9	123	(s)	– –	– –	2	1,328	– –	– –	– –
2012	2	2,895	62	35	(s)	8	5	110	(s)	– –	– –	3	1,327	– –	– –	– –
2013	2	3,295	59	39	(s)	8	4	111	(s)	– –	– –	4	1,337	– –	– –	– –
2014	2	3,466	62	42	(s)	11	1	116	(s)	– –	– –	6	1,352	– –	– –	– –
2015	2	3,202	62	39	(s)	74	1	176	(s)	– –	– –	6	1,361	– –	– –	– –
2016	1	R 3,110	56	39	(s)	74	1	171	(s)	– –	– –	7	1,367	– –	– –	– –
2017	1	3,164	56	41	(s)	71	1	169	(s)	– –	– –	8	1,353	– –	– –	– –
									Trillion Btu							
1960	402	1,056	494	81	48	67	559	1,248	NA	12	NA	NA	543	3,261	1,344	4,605
1965	263	1,483	534	103	54	77	645	1,413	NA	9	NA	NA	789	3,956	1,884	5,840
1970	163	2,455	587	143	61	86	714	1,592	NA	8	NA	NA	1,201	5,418	2,908	8,326
1975	146	2,556	587	R 130	49	89	492	1,346	NA	8	NA	NA	1,598	5,654	3,835	9,489
1980	117	2,666	518	88	41	107	565	1,318	NA	21	NA	NA	1,906	R 5,994	4,582	10,576
1985	138	2,503	631	95	33	96	228	1,083	NA	24	NA	NA	2,351	R 6,068	5,388	R 11,456
1990	124	2,698	536	102	12	111	230	991	1	94	3	(s)	2,860	6,741	6,578	13,319
1995	116	3,117	478	109	22	18	141	769	1	113	5	(s)	3,252	7,347	7,342	14,689
1996	120	3,251	483	R 123	21	27	137	790	1	129	5	(s)	3,344	7,614	7,562	15,176
1997	129	3,306	443	120	25	43	111	R 743	1	131	6	(s)	3,503	7,795	7,897	R 15,693
1998	101	3,098	428	118	31	39	85	R 702	1	118	7	(s)	3,678	7,683	8,301	15,984
1999	102	3,132	438	140	27	28	73	707	1	121	7	R 1	3,766	7,815	8,581	16,396
2000	86	3,261	490	R 151	30	R 44	92	807	1	119	8	1	3,956	8,217	8,953	17,170
2001	88	3,109	508	143	31	37	70	R 790	1	91	8	1	4,063	8,131	9,006	17,137
2002	88	3,223	444	141	16	45	80	726	(s)	95	9	1	4,110	8,235	9,107	17,342
2003	83	3,271	496	157	19	60	111	842	1	100	11	1	4,090	8,384	8,951	17,335
2004	103	3,211	470	152	20	45	122	810	1	105	12	1	4,198	R 8,427	9,221	17,648
2005	96	3,083	447	R 132	22	46	116	762	1	104	14	2	4,351	8,397	9,423	17,820
2006	64	2,908	400	123	15	48	75	662	1	101	14	R 3	4,435	8,174	9,497	17,671
2007	70	3,095	381	R 122	9	60	75	648	1	101	14	4	4,560	8,480	9,730	R 18,210
2008	80	3,235	384	158	4	45	71	663	1	107	15	6	4,559	8,652	9,699	R 18,352
2009	73	3,199	395	139	4	52	71	R 661	1	109	17	R 8	4,459	8,512	9,341	17,853
2010	70	3,173	391	140	5	52	62	650	1	108	19	R 12	4,539	R 8,557	9,460	18,016
2011	62	3,226	391	R 143	3	44	54	635	(s)	112	20	R 20	4,531	R 8,594	9,345	R 17,939
2012	44	2,968	355	R 136	1	39	31	562	(s)	106	20	R 33	4,528	R 8,250	9,114	R 17,364
2013	41	3,391	343	R 152	1	40	24	560	(s)	117	20	41	4,562	8,722	9,157	17,879
2014	40	3,584	356	160	2	54	8	581	(s)	123	20	52	4,614	9,002	9,206	18,208
2015	31	3,327	R 359	148	1	376	4	R 889	(s)	126	20	57	4,643	R 9,082	9,028	R 18,110
2016	24	R 3,235	R 325	150	2	375	4	857	2	132	20	62	4,665	R 8,985	9,001	R 17,987
2017	21	3,291	322	156	1	361	4	844	2	131	20	76	4,616	8,989	8,875	17,864

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Hydrocarbon gas liquids, assumed to be propane only.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline. There is a discontinuity in this time series between 2014 and 2015 because of coverage. See Technical Notes, Section 4.
[d] Includes small amounts of petroleum coke not shown separately.
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, 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] Solar thermal and photovoltaic energy. Excludes a small amount of solar thermal energy consumed as heat that is included in the residential sector.
[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. 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 commercial utility-scale facilities.
[j] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses. Pre-1990 estimates are not comparable to those for later years. See Section 6 of Technical Notes for an explanation of changes in methodology.

kWh = Kilowatthours. – – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Value less than 0.5.
Notes: Totals may not equal sum of components due to independent rounding. · The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. · 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.

Table CT6. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2017, United States

Year	Coal	Net Imports of Coal Coke	Natural Gas [a]	Petroleum: Distillate Fuel Oil	Petroleum: HGL [b]	Petroleum: Motor Gasoline [c]	Petroleum: Residual Fuel Oil	Petroleum: Other [d]	Petroleum: Total	Hydro-electric Power [e,f]	Biomass: Wood and Waste [f,g]	Biomass: Losses and Co-products [h]	Geo-thermal [f]	Solar [f,i]	Electricity Retail Sales	Net Energy [f,j]	Electrical System Energy Losses [k]	Total [f,j]
	Million Short Tons		Billion Cubic Feet	Million Barrels						Billion kWh				Billion kWh				
1960	177	(s)	5,771	174	122	73	252	370	991	4	– –	– –	– –	NA	324	– –	– –	– –
1965	201	-1	7,112	197	172	65	252	499	1,185	3	– –	– –	– –	NA	429	– –	– –	– –
1970	187	-2	9,249	211	255	55	258	611	1,390	3	– –	– –	– –	NA	571	– –	– –	– –
1975	147	1	8,365	230	315	43	240	647	1,474	3	– –	– –	– –	NA	688	– –	– –	– –
1980	127	-1	8,198	227	473	30	215	827	1,772	3	– –	– –	– –	NA	815	– –	– –	– –
1985	116	-1	6,867	192	514	41	119	617	1,484	3	– –	– –	– –	NA	837	– –	– –	– –
1990	115	(s)	8,255	198	498	35	65	775	1,571	3	– –	– –	– –	(s)	946	– –	– –	– –
1995	106	2	9,384	194	631	38	54	760	1,677	5	– –	– –	– –	(s)	1,013	– –	– –	– –
1996	103	1	9,685	204	655	38	53	813	1,764	6	– –	– –	– –	(s)	1,034	– –	– –	– –
1997	102	2	9,714	207	661	41	46	853	1,808	6	– –	– –	– –	(s)	1,038	– –	– –	– –
1998	96	3	9,493	208	630	38	37	855	1,768	5	– –	– –	– –	(s)	1,051	– –	– –	– –
1999	93	2	9,158	204	703	29	33	869	1,838	5	– –	– –	– –	(s)	1,058	– –	– –	– –
2000	94	3	9,293	206	704	29	38	818	1,795	4	– –	– –	– –	(s)	1,064	– –	– –	– –
2001	91	1	8,463	223	625	57	32	848	1,786	3	– –	– –	– –	(s)	997	– –	– –	– –
2002	84	2	8,640	207	657	59	30	847	1,801	4	– –	– –	– –	(s)	990	– –	– –	– –
2003	86	2	8,273	201	617	62	35	880	1,795	4	– –	– –	– –	(s)	1,012	– –	– –	– –
2004	86	6	8,354	208	651	71	40	941	1,911	3	– –	– –	– –	(s)	1,018	– –	– –	– –
2005	84	2	7,713	217	608	68	45	924	1,862	3	– –	– –	– –	(s)	1,019	– –	– –	– –
2006	82	2	7,669	217	624	72	38	944	1,895	3	– –	– –	– –	(s)	1,011	– –	– –	– –
2007	79	1	7,881	217	636	59	31	902	1,845	2	– –	– –	– –	(s)	1,028	– –	– –	– –
2008	76	2	7,890	233	553	48	31	804	1,669	2	– –	– –	– –	(s)	1,010	– –	– –	– –
2009	61	-1	7,443	186	590	47	21	716	1,559	2	– –	– –	– –	(s)	917	– –	– –	– –
2010	70	(s)	8,112	200	650	51	19	726	1,646	2	– –	– –	– –	(s)	971	– –	– –	– –
2011	68	(s)	8,317	214	R 651	50	21	711	R 1,648	2	– –	– –	– –	(s)	991	– –	– –	– –
2012	64	(s)	8,622	220	R 701	50	11	688	R 1,670	2	– –	– –	– –	1	986	– –	– –	– –
2013	65	-1	8,909	219	R 751	52	8	694	R 1,724	3	– –	– –	– –	1	985	– –	– –	– –
2014	64	-1	9,158	237	720	42	6	667	1,672	1	– –	– –	– –	1	998	– –	– –	– –
2015	58	-1	9,098	203	R 775	51	5	678	R 1,712	1	– –	– –	– –	1	987	– –	– –	– –
2016	51	-1	R 9,274	200	775	52	8	685	R 1,721	1	– –	– –	– –	2	977	– –	– –	– –
2017	51	-1	9,514	209	810	52	8	695	1,775	1	– –	– –	– –	2	984	– –	– –	– –
									Trillion Btu									
1960	4,548	-6	5,973	1,016	R 461	381	1,584	2,278	R 5,720	39	680	NA	NA	NA	1,107	R 18,061	2,738	R 20,799
1965	5,134	-18	7,350	1,150	R 650	342	1,582	3,026	R 6,750	33	855	NA	NA	NA	1,463	R 21,567	3,492	R 25,059
1970	4,664	-58	9,498	1,226	R 930	288	1,624	3,686	R 7,755	34	1,019	NA	NA	NA	1,948	R 24,859	4,712	R 29,571
1975	3,658	14	8,571	1,339	R 1,126	223	1,509	3,895	R 8,092	32	1,063	NA	NA	NA	2,346	R 23,776	5,629	R 29,405
1980	3,155	-35	8,409	1,324	R 1,718	158	1,349	4,915	R 9,464	33	1,600	NA	NA	NA	2,781	R 25,360	6,683	R 32,043
1985	2,777	-13	7,096	1,119	R 1,813	218	748	3,759	R 7,656	33	1,875	42	NA	NA	2,855	R 22,282	6,538	R 28,820
1990	2,754	5	8,520	1,150	R 1,781	185	411	4,672	R 8,200	31	1,634	49	2	(s)	3,226	R 24,379	7,397	R 31,777
1995	2,500	61	9,678	1,130	R 2,269	200	337	4,592	R 8,527	55	1,847	86	3	(s)	3,455	R 26,172	7,802	R 33,975
1996	2,438	23	9,999	1,186	R 2,344	200	335	4,890	R 8,954	61	1,907	61	3	(s)	3,527	R 26,934	7,967	R 34,900
1997	2,396	46	10,109	1,202	R 2,366	212	291	5,121	R 9,191	58	1,915	80	3	(s)	3,542	R 27,303	7,966	R 35,269
1998	2,254	67	9,882	1,210	R 2,249	R 199	230	5,132	R 9,021	55	1,784	86	3	(s)	3,587	R 26,699	8,074	R 34,773
1999	2,188	58	9,438	1,186	R 2,512	R 151	207	5,229	R 9,286	49	1,791	90	4	(s)	3,611	R 26,477	8,195	R 34,672
2000	2,259	65	9,550	1,199	R 2,498	150	241	4,914	R 9,001	42	1,781	99	4	(s)	3,631	R 26,402	8,213	R 34,615
2001	2,194	29	8,674	1,299	R 2,212	295	203	5,105	R 9,113	33	1,571	108	5	(s)	3,400	R 25,095	7,541	R 32,636
2002	2,020	61	8,865	1,203	R 2,313	R 308	190	5,084	R 9,099	39	1,543	130	5	(s)	3,379	R 25,115	7,510	R 32,625
2003	2,044	51	8,510	1,169	R 2,185	R 323	220	5,271	R 9,169	43	1,511	168	3	(s)	3,454	R 24,927	7,601	R 32,528
2004	2,046	138	8,573	1,213	R 2,292	371	249	5,636	R 9,761	33	1,613	201	4	(s)	3,473	R 25,818	7,669	R 33,487
2005	1,954	44	7,930	1,262	R 2,138	R 354	281	5,539	R 9,575	32	1,604	227	4	(s)	3,477	R 24,825	7,622	R 32,447
2006	1,914	61	7,881	1,258	R 2,171	374	239	5,661	R 9,703	29	1,606	280	4	1	3,451	R 24,903	7,480	R 32,382
2007	1,864	25	8,098	1,256	R 2,207	302	193	5,415	R 9,373	16	1,562	368	5	1	3,507	R 24,792	7,593	R 32,385
2008	1,792	41	8,103	1,348	R 1,904	R 245	194	4,823	R 8,514	17	1,486	518	5	1	3,444	R 23,894	7,439	R 31,333
2009	1,394	-24	7,629	1,073	R 1,992	238	130	4,300	R 7,733	18	1,336	602	4	2	3,130	R 21,796	6,652	R 28,448
2010	1,625	-6	8,302	1,153	R 2,208	260	120	4,360	R 8,100	16	1,577	726	4	3	3,314	R 23,632	7,015	R 30,647
2011	1,567	11	8,502	R 1,235	R 2,157	R 254	135	4,275	R 8,056	17	1,602	754	4	4	3,382	R 23,872	7,096	R 30,968
2012	1,516	4	8,823	R 1,270	R 2,355	252	70	4,138	R 8,084	22	1,621	709	4	7	3,363	R 24,124	6,924	R 31,048
2013	1,547	-17	9,131	R 1,264	R 2,544	263	48	4,157	R 8,276	33	1,676	707	4	9	3,362	R 24,703	R 6,883	R 31,586
2014	1,529	-22	9,450	R 1,364	R 2,409	210	41	4,010	R 8,033	12	1,685	755	4	11	3,404	R 24,835	6,932	R 31,767
2015	1,380	-18	9,427	R 1,168	R 2,624	258	34	4,074	R 8,157	13	1,666	774	4	14	3,366	R 24,755	6,668	R 31,424
2016	1,206	-19	R 9,610	R 1,154	R 2,591	262	52	4,124	R 8,183	12	1,648	798	4	19	3,333	R 24,767	6,535	R 31,302
2017	1,197	-29	9,849	1,202	2,687	264	50	4,181	8,384	13	1,707	819	4	22	3,358	25,292	6,581	31,873

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Hydrocarbon gas liquids, include natural gas liquids and refinery olefins.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline. There is a discontinuity in this time series between 2014 and 2015 because of coverage. See Technical Notes, Section 4.
[d] Includes asphalt and road oil, kerosene, lubricants, petroleum coke, and the "other petroleum products" category. See Technical Notes, Section 4.
[e] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, 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] Losses and co-products from the production of fuel ethanol.
[i] Solar thermal and photovoltaic energy. Excludes a small amount of solar thermal energy consumed as heat that is included in the residential sector.
[j] 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 industrial utility-scale facilities.
[k] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses. Pre-1990 estimates are not comparable to those for later years. See Section 6 of Technical Notes for an explanation of changes in methodology.

kWh = Kilowatthours. – – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Value less than +0.5 and greater than -0.5.
Notes: Totals may not equal sum of components due to independent rounding. · The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. · 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.

Table CT7. Transportation Sector Energy Consumption Estimates, Selected Years, 1960-2017, United States

Year	Coal	Natural Gas [a]	Petroleum: Aviation Gasoline	Petroleum: Distillate Fuel Oil	Petroleum: HGL [b]	Petroleum: Jet Fuel [c]	Petroleum: Lubricants	Petroleum: Motor Gasoline [d]	Petroleum: Residual Fuel Oil	Petroleum: Total	Electricity Retail Sales	Net Energy [e,f]	Electrical System Energy Losses [g]	Total [e,f]
	Million Short Tons	Billion Cubic Feet	Million Barrels								Billion Kilowatthours			
1960	3	347	59	153	5	136	25	1,367	134	1,880	3	– –	– –	– –
1965	1	501	44	188	8	220	24	1,596	123	2,203	3	– –	– –	– –
1970	(s)	722	20	269	12	353	24	2,040	121	2,839	3	– –	– –	– –
1975	(s)	583	14	364	11	362	26	2,377	113	3,267	3	– –	– –	– –
1980	0	635	13	480	5	389	28	2,357	222	3,494	3	– –	– –	– –
1985	0	504	10	544	8	445	26	2,434	125	3,591	4	– –	– –	– –
1990	0	660	9	629	6	556	29	2,584	162	3,974	5	– –	– –	– –
1995	0	705	8	720	5	553	28	2,801	145	4,259	5	– –	– –	– –
1996	0	718	7	767	4	578	27	2,845	135	4,363	5	– –	– –	– –
1997	0	760	8	802	4	583	28	2,877	113	4,416	5	– –	– –	– –
1998	0	645	7	826	5	592	30	2,967	107	4,533	5	– –	– –	– –
1999	0	657	8	859	4	611	30	3,043	106	4,659	5	– –	– –	– –
2000	0	655	7	887	3	631	30	3,063	141	4,762	5	– –	– –	– –
2001	0	640	7	908	4	604	27	3,079	93	4,722	5	– –	– –	– –
2002	0	682	7	926	4	589	27	3,161	108	4,821	6	– –	– –	– –
2003	0	610	6	960	5	576	25	3,187	91	4,849	7	– –	– –	– –
2004	0	587	6	1,018	5	597	25	3,253	118	5,021	7	– –	– –	– –
2005	0	607	7	1,043	7	613	25	3,266	133	5,094	8	– –	– –	– –
2006	0	608	7	1,101	7	596	24	3,296	144	5,175	7	– –	– –	– –
2007	0	646	6	1,108	6	592	25	3,319	158	5,215	8	– –	– –	– –
2008	0	674	6	1,002	10	563	23	3,233	147	4,985	8	– –	– –	– –
2009	0	697	5	959	7	509	21	3,227	126	4,853	8	– –	– –	– –
2010	0	703	5	1,009	2	523	26	3,221	142	4,927	8	– –	– –	– –
2011	0	718	5	1,040	R 2	520	24	3,136	123	R 4,851	8	– –	– –	– –
2012	0	761	5	995	R 2	512	22	3,120	107	R 4,763	7	– –	– –	– –
2013	0	863	4	1,023	2	524	24	3,168	92	R 4,837	8	– –	– –	– –
2014	0	735	4	1,069	2	537	25	3,204	71	4,911	8	– –	– –	– –
2015	0	718	4	1,086	2	565	27	3,225	74	R 4,982	8	– –	– –	– –
2016	0	R 729	4	1,077	R 2	591	25	3,284	99	5,083	7	– –	– –	– –
2017	0	770	4	1,086	2	614	23	3,280	106	5,116	8	– –	– –	– –
							Trillion Btu							
1960	76	359	298	892	19	739	152	7,183	844	10,125	10	10,571	26	10,597
1965	16	518	222	1,093	32	1,215	149	8,386	770	11,866	10	12,410	24	12,434
1970	7	740	100	1,569	44	1,973	147	10,716	761	R 15,311	11	R 16,069	26	16,094
1975	1	595	71	2,121	43	2,029	155	12,485	711	17,615	10	18,221	24	18,245
1980	0	650	64	2,795	18	2,179	172	12,383	1,398	19,009	11	19,670	27	19,697
1985	0	521	50	3,170	30	2,497	156	12,784	786	19,472	14	20,057	32	20,089
1990	0	683	45	3,661	23	3,129	176	13,575	1,016	21,626	16	22,385	38	22,423
1995	0	728	40	4,191	18	3,132	168	R 14,576	911	R 23,036	17	R 23,781	37	R 23,818
1996	0	740	37	4,465	16	3,274	163	R 14,823	851	R 23,630	17	R 24,387	37	R 24,424
1997	0	790	40	4,668	14	3,308	172	R 14,976	712	R 23,891	17	R 24,697	38	R 24,735
1998	0	667	35	4,807	18	3,357	180	R 15,436	674	R 24,506	17	R 25,190	38	R 25,228
1999	0	675	39	4,996	14	3,462	182	R 15,828	665	R 25,187	17	R 25,879	41	R 25,920
2000	0	674	36	5,159	12	3,580	179	R 15,933	888	R 25,787	18	R 26,479	41	R 26,521
2001	0	656	35	5,286	14	3,426	164	R 16,013	586	R 25,524	19	R 26,198	41	R 26,239
2002	0	699	34	5,387	14	3,340	162	R 16,436	677	R 26,051	19	R 26,768	41	R 26,810
2003	0	627	30	5,584	18	3,265	150	R 16,565	571	R 26,184	23	R 26,835	52	R 26,887
2004	0	603	31	5,925	19	3,383	152	R 16,901	740	R 27,150	25	R 27,777	55	R 27,832
2005	0	625	35	6,068	28	3,475	151	R 16,958	837	R 27,553	26	R 28,204	56	R 28,259
2006	0	627	33	6,390	R 28	3,379	147	R 17,088	906	R 27,972	25	R 28,624	53	R 28,677
2007	0	665	32	6,411	22	3,358	152	R 17,066	994	R 28,034	28	R 28,727	59	R 28,786
2008	0	694	28	5,792	40	3,193	141	R 16,510	926	R 26,630	26	R 27,350	55	R 27,405
2009	0	717	27	R 5,538	28	2,883	127	R 16,422	791	R 25,815	27	R 26,558	55	R 26,613
2010	0	721	27	R 5,826	R 7	2,963	155	R 16,320	892	R 26,190	26	R 26,938	54	R 26,992
2011	0	736	27	R 6,000	R 7	2,950	148	R 15,877	776	R 25,785	26	R 26,547	53	R 26,600
2012	0	782	25	R 5,738	R 7	2,901	135	R 15,795	671	R 25,272	25	R 26,079	49	R 26,128
2013	0	888	22	R 5,898	R 7	2,969	143	R 16,030	581	R 25,650	26	R 26,564	51	R 26,615
2014	0	762	22	R 6,159	R 7	3,042	149	R 16,209	447	R 26,034	26	R 26,823	51	R 26,874
2015	0	747	21	R 6,255	R 7	3,204	163	R 16,308	463	R 26,421	26	R 27,194	50	R 27,244
2016	0	R 758	20	R 6,202	R 7	3,350	154	R 16,601	623	R 26,958	26	R 27,742	48	R 27,790
2017	0	801	21	6,253	7	3,481	142	16,576	665	27,145	26	27,972	48	28,020

[a] Transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and, since 1990, natural gas consumed as vehicle fuel.
[b] Hydrocarbon gas liquids, assumed to be propane only.
[c] 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 "Industrial sector, Other Petroleum."
[d] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[e] There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of fuel ethanol beginning in 1981.
[f] For 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.
[g] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses. Pre-1990 estimates are not comparable to those for later years. See Section 6 of Technical Notes for an explanation of changes in methodology.
– – = Not applicable.
Where shown, R = Revised data and (s) = Value less than 0.5.
Notes: Totals may not equal sum of components due to independent rounding. · 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.

Table CT8. Electric Power Sector Consumption Estimates, Selected Years, 1960-2017, United States

Year	Coal	Natural Gas [a]	Petroleum: Distillate Fuel Oil [b]	Petroleum: Petroleum Coke	Petroleum: Residual Fuel Oil [c]	Petroleum: Total	Nuclear Electric Power	Hydroelectric Power [d]	Biomass: Wood and Waste [e,f]	Geothermal [f]	Solar [f,g]	Wind [f]	Electricity Net Imports [h]	Total [f,i]
	Million Short Tons	Billion Cubic Feet	Million Barrels				Billion Kilowatthours			Billion Kilowatthours				
1960	177	1,725	4	0	84	88	1	146	– –	(s)	NA	NA	5	– –
1965	245	2,321	5	0	110	115	4	194	– –	(s)	NA	NA	(s)	– –
1970	320	3,932	24	3	311	339	22	248	– –	1	NA	NA	2	– –
1975	406	3,158	39	(s)	467	506	173	300	– –	3	NA	NA	6	– –
1980	569	3,682	29	1	391	421	251	276	– –	5	NA	NA	21	– –
1985	694	3,044	15	1	159	175	384	281	– –	9	(s)	(s)	41	– –
1990	783	3,245	17	5	185	207	577	290	– –	15	(s)	3	2	– –
1995	850	4,237	19	13	90	122	673	305	– –	13	(s)	3	39	– –
1996	897	3,807	19	13	100	132	675	341	– –	14	1	3	40	– –
1997	921	4,065	19	17	114	150	629	351	– –	15	1	3	34	– –
1998	937	4,588	23	21	167	210	674	318	– –	15	1	3	26	– –
1999	941	4,820	24	19	152	195	728	315	– –	15	(s)	4	29	– –
2000	986	5,206	30	16	139	185	754	271	– –	14	(s)	6	34	– –
2001	964	5,342	29	17	160	206	769	214	– –	14	1	7	22	– –
2002	978	5,672	22	29	105	156	780	260	– –	14	1	10	21	– –
2003	1,005	5,135	28	29	138	195	764	272	– –	14	1	11	6	– –
2004	1,016	5,464	19	37	140	196	789	265	– –	15	1	14	11	– –
2005	1,037	5,869	20	40	139	199	782	267	– –	15	1	18	25	– –
2006	1,027	6,222	13	36	57	105	787	286	– –	15	1	27	18	– –
2007	1,045	6,841	15	28	63	107	806	246	– –	15	1	34	31	– –
2008	1,040	6,668	13	26	38	76	806	253	– –	15	1	55	33	– –
2009	934	6,873	12	23	29	64	799	272	– –	15	1	74	34	– –
2010	975	7,387	14	24	25	62	807	258	– –	15	1	95	26	– –
2011	932	7,574	11	24	15	50	790	318	– –	15	2	120	37	– –
2012	824	9,111	9	15	12	36	769	274	– –	16	4	141	47	– –
2013	858	8,191	10	21	12	43	789	265	– –	16	9	168	58	– –
2014	852	8,146	14	21	15	50	797	258	– –	16	17	181	53	– –
2015	738	9,613	12	20	15	47	797	248	– –	16	24	191	66	– –
2016	679	9,985	10	21	11	41	806	266	– –	16	35	227	60	– –
2017	665	9,266	9	17	10	37	805	299	– –	16	53	254	56	– –
							Trillion Btu							
1960	4,227	1,785	22	0	530	553	6	1,569	2	(s)	NA	NA	15	8,157
1965	5,821	2,408	29	0	693	722	43	2,026	3	2	NA	NA	(s)	11,026
1970	7,228	4,048	141	19	1,958	2,117	239	2,600	4	6	NA	NA	7	16,248
1975	8,789	3,232	226	2	2,937	3,166	1,900	3,122	2	34	NA	NA	21	20,266
1980	12,158	3,804	169	5	2,459	2,634	2,739	2,867	4	53	NA	NA	71	24,324
1985	14,586	3,157	85	7	998	1,090	4,076	2,937	14	97	(s)	(s)	140	26,094
1990	16,259	3,333	97	30	1,163	1,289	6,104	3,014	317	161	4	29	8	30,510
1995	17,465	4,327	108	81	566	755	7,075	3,149	422	138	5	33	134	33,495
1996	18,428	3,882	109	80	628	817	7,087	3,528	438	148	5	33	137	34,497
1997	18,903	4,147	111	102	715	927	6,597	3,581	446	150	5	34	116	34,899
1998	19,216	4,698	136	124	1,047	1,306	7,068	3,241	444	151	5	31	88	36,240
1999	19,279	4,924	140	112	959	1,211	7,610	3,218	453	152	5	46	99	36,990
2000	20,220	5,318	175	99	871	1,144	7,862	2,768	453	144	5	57	115	38,079
2001	19,614	5,496	170	103	1,003	1,276	8,029	2,209	337	142	6	70	75	37,245
2002	19,783	5,789	127	175	659	961	8,145	2,650	380	147	6	105	72	38,034
2003	20,183	5,259	161	175	869	1,205	7,960	2,749	392	146	5	113	22	38,032
2004	20,304	5,609	111	211	879	1,201	8,223	2,655	383	148	6	142	39	38,705
2005	20,735	6,036	114	231	876	1,222	8,161	2,670	401	147	6	178	85	39,635
2006	20,460	6,394	73	203	361	637	8,215	2,839	408	145	5	264	63	39,423
2007	20,805	7,028	89	163	397	648	8,459	2,430	419	145	6	341	107	40,381
2008	20,511	6,849	73	146	240	459	8,426	2,494	431	146	9	546	112	39,979
2009	18,224	7,044	70	132	181	382	8,355	2,650	438	146	9	721	116	38,081
2010	19,133	7,550	80	137	154	370	8,434	2,521	459	148	12	923	89	39,637
2011	18,035	7,734	64	138	93	295	8,269	3,085	437	149	17	1,167	127	39,311
2012	15,821	9,313	52	85	77	214	8,062	2,606	453	148	40	1,339	161	38,152
2013	16,450	8,398	55	123	77	255	8,244	2,529	470	151	83	1,600	197	38,374
2014	16,427	8,385	82	118	95	295	8,338	2,454	530	151	165	1,726	182	38,648
2015	14,138	9,945	70	112	94	276	8,337	2,308	525	148	228	1,776	227	37,902
2016	12,997	10,325	55	118	71	244	8,427	2,459	505	146	328	2,094	206	37,722
2017	12,622	9,578	55	97	66	218	8,419	2,752	510	147	486	2,341	192	37,256

[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 beg inning 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 the total.

– – = Not applicable. NA = Not available.

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

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.