

**Table CT1. Energy Consumption Estimates for Selected Energy Sources in Physical Units, Selected Years, 1960-2018, United States**

Year	Coal	Net Imports of Coal Coke	Natural Gas <sup>a</sup>	Petroleum							Nuclear Electric Power	Hydroelectric Power <sup>g</sup>	Fuel Ethanol <sup>h</sup>	Biodiesel
				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				
				Million Short Tons	Billion Cubic Feet	Million Barrels								
1960	398	(s)	11,967	685	227	136	1,453	559	525	3,586	1	149	NA	NA
1965	472	-1	15,280	776	307	220	1,676	587	636	4,202	4	197	NA	NA
1970	523	-2	21,139	927	447	353	2,111	804	722	5,364	22	251	NA	NA
1971	502	-1	21,793	971	457	369	2,195	838	722	5,553	38	270	NA	NA
1972	524	-1	22,101	1,066	520	382	2,334	926	762	5,990	54	276	NA	NA
1973	563	(s)	22,049	1,129	531	387	2,436	1,030	805	6,317	83	275	NA	NA
1974	558	2	21,223	1,076	519	363	2,386	963	771	6,078	114	304	NA	NA
1975	563	1	19,538	1,041	493	365	2,436	899	723	5,958	173	303	NA	NA
1976	604	(s)	19,946	1,147	515	361	2,554	1,025	789	6,391	191	287	NA	NA
1977	625	1	19,521	1,223	519	379	2,620	1,121	866	6,727	251	224	NA	NA
1978	625	5	19,627	1,253	516	386	2,705	1,103	917	6,879	276	283	NA	NA
1979	681	3	20,241	1,208	607	393	2,568	1,032	949	6,757	255	283	NA	NA
1980	703	-1	19,877	1,049	582	391	2,408	918	895	6,242	251	279	NA	NA
1981	733	-1	19,404	1,032	578	368	2,404	762	717	5,861	273	264	2	NA
1982	707	-1	18,001	975	584	370	2,387	627	641	5,583	283	312	5	NA
1983	737	-1	16,835	982	561	382	2,417	519	699	5,559	294	335	10	NA
1984	791	(s)	17,951	1,041	623	430	2,449	501	711	5,756	328	324	12	NA
1985	818	-1	17,281	1,047	628	445	2,493	439	688	5,740	384	284	15	NA
1986	804	-1	16,221	1,064	594	477	2,567	518	722	5,942	414	294	17	NA
1987	837	(s)	17,211	1,086	638	506	2,630	462	761	6,083	455	253	19	NA
1988	884	2	18,030	1,143	651	530	2,685	504	812	6,326	527	226	20	NA
1989	895	1	19,119	1,152	653	544	2,675	500	800	6,324	529	272	20	NA
1990	904	(s)	19,174	1,103	622	556	2,641	449	831	6,201	577	293	18	NA
1991	899	(s)	19,562	1,066	680	537	2,623	423	771	6,101	613	289	21	NA
1992	908	1	20,228	1,090	712	532	2,660	401	839	6,234	619	253	23	NA
1993	944	1	20,790	1,110	705	536	2,729	394	817	6,291	610	280	27	NA
1994	951	2	21,247	1,154	759	557	2,774	373	849	6,467	640	260	31	NA
1995	962	2	22,207	1,170	766	553	2,843	311	826	6,469	673	311	33	NA
1996	1,006	1	22,609	1,232	813	578	2,888	311	880	6,701	675	347	24	NA
1997	1,030	2	22,737	1,254	815	583	2,926	291	927	6,796	629	356	30	NA
1998	1,037	3	22,246	1,263	776	592	3,012	324	937	6,905	674	323	33	NA
1999	1,039	2	22,405	1,304	880	611	3,077	303	950	7,125	728	320	34	NA
2000	1,084	3	23,333	1,362	891	631	3,101	333	893	7,211	754	276	39	NA
2001	1,060	1	22,239	1,404	803	604	3,143	296	922	7,172	769	217	41	(s)
2002	1,066	2	23,027	1,378	838	589	3,229	255	923	7,213	780	264	49	(s)
2003	1,095	2	22,277	1,433	805	576	3,261	282	955	7,312	764	276	67	(s)
2004	1,107	6	22,403	1,485	829	597	3,333	316	1,028	7,588	789	268	85	1
2005	1,126	2	22,014	1,503	783	613	3,343	336	1,015	7,593	782	270	97	2
2006	1,112	2	21,699	1,522	779	596	3,377	251	1,025	7,551	787	289	131	6
2007	1,128	1	23,104	1,532	800	592	3,389	264	972	7,548	806	248	164	8
2008	1,120	2	23,277	1,444	748	563	3,290	228	863	7,136	806	255	231	7
2009	997	-1	22,910	1,325	776	509	3,284	187	771	6,852	799	273	263	8
2010	1,049	(s)	24,087	1,387	827	523	3,282	195	787	7,001	807	260	306	6
2011	1,003	(s)	24,477	1,423	818	520	3,195	168	769	6,894	790	319	307	21
2012	889	(s)	25,538	1,369	841	512	3,178	135	732	6,766	769	276	307	21
2013	924	-1	26,155	1,397	913	524	3,228	116	745	6,923	789	269	315	34
2014	918	-1	26,593	1,474	891	537	3,256	94	720	6,972	797	259	320	34
2015	798	-1	27,244	1,458	931	565	3,350	95	730	7,130	797	249	332	36
2016	731	-1	27,444	1,419	928	591	3,410	119	738	7,206	806	268	342	50
2017	717	-1	<sup>R</sup> 27,146	1,435	965	614	3,404	125	742	7,285	805	300	345	47
2018	688	-1	30,075	1,513	1,097	623	3,405	116	729	7,484	807	293	343	45

<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> 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.

**UNITED STATES** Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2018, 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 Biodiesel <sup>a</sup>	Motor Gasoline including Fuel Ethanol <sup>a</sup>
				Distillate Fuel Oil excluding Biodiesel <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	<sup>R</sup> 69,812	<sup>R</sup> 20,384	<sup>R</sup> 6,110	<sup>R</sup> 12,648	
1981	15,938	-16	19,750	6,014	2,098	2,062	12,631	4,791	4,289	31,884	<sup>R</sup> 67,555	<sup>R</sup> 19,928	<sup>R</sup> 6,014	<sup>R</sup> 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	7,615	2,707	2,883	<sup>R</sup> 15,805	1,173	4,618	<sup>R</sup> 34,801	<sup>R</sup> 77,890	<sup>R</sup> 23,487	<sup>R</sup> 7,657	<sup>R</sup> 16,714	
2010	20,828	-6	24,568	7,977	2,885	2,963	15,570	1,228	4,713	<sup>R</sup> 35,336	<sup>R</sup> 80,726	<sup>R</sup> 24,634	<sup>R</sup> 8,011	<sup>R</sup> 16,632	
2011	19,664	11	24,954	8,098	2,799	2,950	15,110	1,058	4,611	<sup>R</sup> 34,626	<sup>R</sup> 79,255	<sup>R</sup> 25,015	<sup>R</sup> 8,211	<sup>R</sup> 16,175	
2012	17,381	4	26,076	7,782	2,893	2,901	15,022	849	4,393	<sup>R</sup> 33,839	<sup>R</sup> 77,300	<sup>R</sup> 26,138	<sup>R</sup> 7,897	<sup>R</sup> 16,085	
2013	18,039	-17	26,789	7,869	3,166	2,969	15,240	731	4,455	<sup>R</sup> 34,429	<sup>R</sup> 79,240	<sup>R</sup> 26,845	<sup>R</sup> 8,051	<sup>R</sup> 16,332	
2014	17,997	-22	27,377	8,312	3,066	3,042	15,361	590	4,315	<sup>R</sup> 34,686	<sup>R</sup> 80,038	<sup>R</sup> 27,439	<sup>R</sup> 8,492	<sup>R</sup> 16,473	
2015	15,549	-18	28,180	8,212	3,224	3,204	15,788	595	4,381	<sup>R</sup> 35,405	<sup>R</sup> 79,116	<sup>R</sup> 28,241	<sup>R</sup> 8,403	<sup>R</sup> 16,941	
2016	14,227	-19	28,393	7,904	3,178	3,350	16,051	751	4,506	<sup>R</sup> 35,739	<sup>R</sup> 78,339	<sup>R</sup> 28,453	<sup>R</sup> 8,170	<sup>R</sup> 17,238	
2017	13,840	-29	<sup>R</sup> 28,063	8,009	3,280	3,481	16,002	784	<sup>R</sup> 4,523	<sup>R</sup> 36,081	<sup>R</sup> 77,955	<sup>R</sup> 28,132	<sup>R</sup> 8,263	<sup>R</sup> 17,201	
2018	13,250	-26	31,086	8,472	3,710	3,533	16,013	729	4,446	36,902	81,212	31,159	8,715	17,209	

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

**Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2018, United States (Continued)**  
(Trillion Btu)

Year	Nuclear Electric Power	Renewable Energy										Electricity Net Imports <sup>k</sup>	Total <sup>f</sup>
		Hydro-electric Power <sup>e,f</sup>	Biomass					Geo-thermal <sup>f</sup>	Solar <sup>f,j</sup>	Wind	Total <sup>f</sup>		
			Wood and Waste <sup>f,g</sup>	Fuel Ethanol <sup>h</sup>	Biodiesel	Losses and Co-products <sup>i</sup>	Total <sup>f</sup>						
1960	6	1,608	1,320	NA	NA	NA	1,320	(s)	NA	NA	2,928	15	45,034
1965	43	2,059	1,335	NA	NA	NA	1,335	2	NA	NA	3,396	(s)	53,966
1970	239	2,634	1,431	NA	NA	NA	1,431	6	NA	NA	4,070	7	67,720
1971	413	2,824	1,432	NA	NA	NA	1,432	6	NA	NA	4,262	12	69,164
1972	584	2,864	1,503	NA	NA	NA	1,503	15	NA	NA	4,382	26	72,677
1973	910	2,861	1,529	NA	NA	NA	1,529	20	NA	NA	4,411	49	75,724
1974	1,272	3,177	1,540	NA	NA	NA	1,540	26	NA	NA	4,742	43	73,915
1975	1,900	3,155	1,499	NA	NA	NA	1,499	34	NA	NA	4,687	21	71,953
1976	2,111	2,976	1,713	NA	NA	NA	1,713	38	NA	NA	4,727	29	75,967
1977	2,702	2,333	1,838	NA	NA	NA	1,838	37	NA	NA	4,209	59	77,947
1978	3,024	2,937	2,038	NA	NA	NA	2,038	31	NA	NA	5,005	67	79,978
1979	2,776	2,931	2,152	NA	NA	NA	2,152	40	NA	NA	5,123	69	80,836
1980	2,739	2,900	2,472	NA	NA	NA	2,472	53	NA	NA	5,425	71	78,048
1981	3,008	2,758	2,587	7	NA	6	2,600	59	NA	NA	5,417	113	76,094
1982	3,131	3,266	2,630	19	NA	16	2,665	51	NA	NA	5,981	100	73,006
1983	3,203	3,527	2,841	34	NA	29	2,904	64	NA	(s)	6,496	121	72,879
1984	3,553	3,386	2,894	42	NA	35	2,972	81	(s)	(s)	6,438	135	76,511
1985	4,076	2,970	2,923	51	NA	42	3,016	97	(s)	(s)	6,084	140	76,407
1986	4,380	3,071	2,825	59	NA	48	2,932	108	(s)	(s)	6,111	122	76,592
1987	4,754	2,635	2,755	68	NA	55	2,878	112	(s)	(s)	5,624	158	78,960
1988	5,587	2,334	2,892	69	NA	55	3,016	106	(s)	(s)	5,457	108	82,711
1989	5,602	2,837	3,034	70	NA	56	3,159	162	54	22	6,235	37	84,732
1990	6,104	3,046	2,626	62	NA	49	2,737	171	59	29	6,042	8	84,455
1991	6,422	3,016	2,654	72	NA	56	2,782	178	62	31	6,068	67	84,379
1992	6,479	2,617	2,787	81	NA	64	2,932	179	63	30	5,821	87	85,732
1993	6,410	2,892	2,737	95	NA	74	2,906	186	65	31	6,079	95	87,295
1994	6,694	2,683	2,839	106	NA	82	3,028	173	67	36	5,987	153	89,011
1995	7,075	3,205	2,901	114	NA	86	3,101	152	68	33	6,559	134	90,995
1996	7,087	3,590	3,014	82	NA	61	3,157	163	69	33	7,012	137	94,005
1997	6,597	3,640	2,919	104	NA	80	3,103	167	68	34	7,012	116	94,656
1998	7,068	3,297	2,726	115	NA	86	2,927	168	67	31	6,491	88	94,933
1999	7,610	3,268	2,754	119	NA	90	2,963	172	66	46	6,515	99	96,526
2000	7,862	2,811	2,773	137	NA	99	3,008	164	63	57	6,104	115	98,695
2001	8,029	2,242	2,374	144	1	108	R 2,627	164	62	70	R 5,164	75	R 96,039
2002	8,145	2,689	2,397	171	2	130	R 2,701	171	60	105	R 5,726	72	R 97,542
2003	7,960	2,793	2,403	233	2	168	R 2,806	173	58	113	R 5,944	22	R 97,835
2004	8,223	2,688	2,510	293	3	201	R 3,008	178	58	142	R 6,075	39	R 100,014
2005	8,161	2,703	2,538	335	12	227	R 3,112	181	58	178	R 6,232	85	R 100,109
2006	8,215	2,869	2,496	453	33	280	R 3,262	181	61	264	R 6,637	63	R 99,388
2007	8,459	2,446	2,502	569	45	369	R 3,485	186	66	341	R 6,523	107	R 100,916
2008	8,426	2,511	2,494	800	39	519	R 3,851	192	74	546	R 7,175	112	R 98,765
2009	8,355	2,669	2,387	910	41	603	R 3,940	200	78	721	R 7,608	116	R 93,969
2010	8,434	2,539	2,685	1,061	33	727	R 4,506	208	91	923	R 6,267	89	97,516
2011	8,269	3,103	2,675	1,065	113	756	R 4,608	212	112	1,168	R 9,204	127	R 96,854
2012	8,062	2,629	2,618	1,064	115	711	R 4,507	212	159	1,340	R 8,847	161	R 94,370
2013	8,244	2,562	2,835	1,092	182	709	R 4,818	214	225	1,601	R 9,420	197	R 97,102
2014	8,338	2,467	2,917	1,111	181	757	R 4,966	214	R 338	1,728	R 9,712	182	R 98,270
2015	8,337	2,321	2,830	1,153	191	776	R 4,950	212	427	1,777	R 9,687	227	R 97,367
2016	8,427	2,472	R 2,727	1,187	266	801	R 4,981	210	570	2,096	R 10,329	206	R 97,301
2017	8,419	2,767	R 2,676	1,199	253	821	R 4,950	210	777	2,343	R 11,047	192	R 97,613
2018	8,438	2,663	2,748	1,197	243	824	5,012	209	916	2,482	11,282	152	101,084

<sup>e</sup> Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, 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> Solar thermal and photovoltaic energy.

<sup>k</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>.

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



**Table CT4. Residential Sector Energy Consumption Estimates, Selected Years, 1960-2018, United States**

Year	Coal <sup>a</sup> Million Short Tons	Natural Gas <sup>b</sup> Billion Cubic Feet	Petroleum				Biomass Wood <sup>d</sup>	Geothermal <sup>e</sup>	Solar <sup>e,f</sup>	Electricity Retail Sales	Net Energy <sup>e,g</sup>	Electrical System Energy Losses <sup>h</sup>	Total <sup>e,g</sup>
			Distillate Fuel Oil	HGL <sup>c</sup>	Kerosene	Total				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	--	--	--
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	4,347	75	112	2	190	--	--	--	1,411	--	--	--
2017	0	4,412	75	112	1	189	--	--	--	1,379	--	--	--
2018	0	4,996	88	132	1	221	--	--	--	1,469	--	--	--

**Trillion Btu**

1960	578	3,212	1,568	305	354	2,228	627	NA	NA	687	7,332	1,701	9,033
1965	348	4,019	1,713	386	334	2,432	468	NA	NA	993	8,261	2,372	10,632
1970	207	4,953	1,878	549	298	2,726	401	NA	NA	1,591	9,877	3,851	13,729
1975	62	5,024	1,807	512	161	2,479	425	NA	NA	2,007	9,998	4,816	14,815
1980	31	4,855	1,316	312	107	1,734	846	NA	NA	2,448	9,846	5,886	15,732
1985	39	4,566	1,092	315	159	1,566	1,010	NA	NA	2,709	9,835	6,206	16,042
1990	31	4,519	978	353	64	1,395	582	6	55	3,153	9,694	R 7,236	R 16,931
1995	17	4,984	904	395	74	1,374	520	7	63	3,557	10,481	R 8,028	R 18,509
2000	11	5,104	904	556	95	1,554	420	9	58	4,069	11,191	R 9,194	R 20,385
2001	11	4,902	907	526	95	1,529	374	9	55	4,100	10,951	R 9,076	R 20,027
2002	12	5,006	859	538	60	1,457	380	10	53	4,317	11,212	9,551	20,763
2003	12	5,224	931	545	70	1,547	400	13	52	4,353	11,576	R 9,505	R 21,081
2004	11	4,993	923	512	85	1,520	410	14	51	4,408	11,387	9,656	21,043
2005	8	4,958	853	514	84	1,450	428	16	50	4,638	11,528	R 10,047	R 21,574
2006	6	4,483	709	446	66	1,222	380	18	53	4,611	10,752	R 9,879	R 20,632
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	1,325	470	26	58	4,711	11,589	10,046	21,635
2009	0	4,899	582	548	28	1,157	504	33	60	4,657	11,290	R 9,762	R 21,052
2010	0	4,887	561	530	29	1,120	541	37	65	4,933	11,564	10,296	21,860
2011	0	4,817	522	493	19	1,033	524	40	71	4,855	11,323	10,022	21,346
2012	0	4,253	482	396	8	885	438	40	79	4,690	10,369	R 9,460	R 19,829
2013	0	5,037	491	463	8	962	572	40	91	4,759	11,446	R 9,573	R 21,018
2014	0	5,258	532	490	14	1,035	579	40	R 110	4,801	R 11,805	9,614	R 21,418
2015	0	4,794	550	446	10	1,006	513	40	128	4,791	R 11,257	9,330	R 20,587
2016	0	4,525	434	430	14	877	R 442	40	R 162	4,815	R 10,846	9,300	R 20,146
2017	0	4,592	431	431	8	870	R 425	40	R 194	4,704	R 10,810	9,047	R 19,856
2018	0	5,200	506	507	8	1,021	517	40	221	5,013	11,996	9,478	21,474

<sup>a</sup> Beginning in 2008, data are no longer collected and are assumed to be zero.  
<sup>b</sup> Includes supplemental gaseous fuels that are commingled with natural gas.  
<sup>c</sup> Hydrocarbon gas liquids, assumed to be propane only.  
<sup>d</sup> Wood and wood-derived fuels.  
<sup>e</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>f</sup> Solar thermal and photovoltaic energy. Includes solar thermal energy consumed as heat by the commercial and industrial sectors.  
<sup>g</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.

<sup>h</sup> 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.

**UNITED STATES** Table CT5. Commercial Sector Energy Consumption Estimates, Selected Years, 1960-2018, United States

Year	Coal Million Short Tons	Natural Gas <sup>a</sup> Billion Cubic Feet	Petroleum						Hydro-electric Power <sup>e,f</sup> Billion kWh	Biomass		Geothermal <sup>f</sup>	Solar <sup>f,h</sup> Billion kWh	Electricity Retail Sales	Net Energy <sup>f,i</sup>	Electrical System Energy Losses <sup>j</sup>	Total <sup>f,i</sup>
			Distillate Fuel Oil	HGL <sup>b</sup>	Kerosene	Motor Gasoline <sup>c</sup>	Residual Fuel Oil	Total <sup>d</sup>		Wood and Waste <sup>f,g</sup>	Geothermal <sup>f</sup>						
			Million Barrels														
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	--	--	--	
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)	--	--	(s)	1,336	--	--	--	
2009	3	3,119	68	36	1	10	11	127	(s)	--	--	(s)	1,307	--	--	--	
2010	3	3,103	68	36	1	10	10	125	(s)	--	--	(s)	1,330	--	--	--	
2011	3	3,155	68	37	1	9	9	123	(s)	--	--	(s)	1,328	--	--	--	
2012	2	2,895	62	35	(s)	8	5	110	(s)	--	--	(s)	1,327	--	--	--	
2013	2	3,295	59	39	(s)	8	4	111	(s)	--	--	(s)	1,337	--	--	--	
2014	2	3,466	62	42	(s)	11	1	116	(s)	--	--	(s)	1,352	--	--	--	
2015	2	3,202	62	39	(s)	74	1	176	(s)	--	--	(s)	1,361	--	--	--	
2016	1	3,110	56	39	(s)	74	1	171	(s)	--	--	(s)	1,367	--	--	--	
2017	1	3,164	56	41	(s)	71	1	169	(s)	--	--	(s)	1,353	--	--	--	
2018	1	3,515	56	46	(s)	72	(s)	175	(s)	--	--	(s)	1,382	--	--	--	

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	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	5,994	4,582	10,576
1985	138	2,503	631	95	33	96	228	1,083	NA	24	NA	NA	2,351	6,068	5,388	11,456
1990	124	2,698	536	102	12	111	230	991	1	94	3	(s)	2,860	6,741	R 5,393	R 13,334
1995	116	3,117	478	109	22	18	141	769	1	113	5	(s)	3,252	7,347	R 7,366	R 14,712
2000	86	3,261	490	151	30	44	92	807	1	119	8	1	3,956	8,217	R 8,980	R 17,197
2001	88	3,109	508	143	31	37	70	790	1	91	8	1	4,063	8,131	R 9,029	R 17,160
2002	88	3,223	444	141	16	45	80	726	(s)	95	9	1	4,110	8,235	R 9,133	R 17,368
2003	83	3,271	496	157	19	60	111	842	1	100	11	1	4,090	8,384	R 8,972	R 17,356
2004	103	3,211	470	152	20	45	122	810	1	105	12	1	4,198	8,427	R 9,239	R 17,665
2005	96	3,083	447	132	22	46	116	762	1	104	14	2	4,351	8,397	R 9,443	R 17,840
2006	64	2,908	400	123	15	48	75	662	1	101	14	3	4,435	8,174	R 9,527	R 17,701
2007	70	3,095	381	122	9	60	75	648	1	101	14	4	4,560	8,480	R 9,730	R 18,210
2008	80	3,235	384	158	4	45	71	663	1	107	15	6	4,559	8,652	R 9,698	R 18,350
2009	73	3,199	395	139	4	52	71	661	1	109	17	8	4,459	8,512	R 9,337	R 17,849
2010	70	3,173	391	140	5	52	62	650	1	108	19	12	4,539	8,557	R 9,460	R 18,016
2011	62	3,226	391	143	3	44	54	635	(s)	112	20	20	4,531	8,594	R 9,345	R 17,939
2012	44	2,968	355	136	1	39	31	562	(s)	106	20	33	4,528	8,250	R 9,113	R 17,362
2013	41	3,391	343	152	1	40	24	560	(s)	117	20	41	4,562	8,722	R 9,157	R 17,879
2014	40	3,584	356	160	2	54	8	581	(s)	123	20	52	4,614	9,002	R 9,206	R 18,208
2015	31	3,327	359	148	1	376	4	889	(s)	126	20	57	4,643	9,082	R 9,028	R 18,110
2016	24	3,235	325	150	2	375	4	857	2	132	20	62	4,665	8,985	R 9,001	R 17,987
2017	21	3,291	322	156	1	361	4	844	2	131	20	76	4,616	8,989	R 8,875	R 17,865
2018	19	3,656	322	176	1	366	3	869	2	131	20	94	4,715	9,494	R 8,920	R 18,414

<sup>a</sup> Includes supplemental gaseous fuels that are commingled with natural gas.  
<sup>b</sup> Hydrocarbon gas liquids, assumed to be propane only.  
<sup>c</sup> 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.  
<sup>d</sup> Includes small amounts of petroleum coke not shown separately.  
<sup>e</sup> Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, 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> Solar thermal and photovoltaic energy. Excludes a small amount of solar thermal energy consumed as heat that is included in the residential sector.  
<sup>i</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 commercial utility-scale facilities.  
<sup>j</sup> 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, 1960-2018, United States

Table with columns: Year, Coal, Net Imports of Coal Coke, Natural Gas, Distillate Fuel Oil, HGL, Motor Gasoline, Residual Fuel Oil, Other, Total, Hydro-electric Power, Biomass (Wood and Waste, Losses and Co-products, Geothermal), Solar, Electricity Retail Sales, Net Energy, Electrical System Energy Losses, Total.

Table with columns: Year, Coal, Net Imports of Coal Coke, Natural Gas, Distillate Fuel Oil, HGL, Motor Gasoline, Residual Fuel Oil, Other, Total, Hydro-electric Power, Biomass, Solar, Electricity Retail Sales, Net Energy, Electrical System Energy Losses, Total.

a 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.
d Includes asphalt and road oil, kerosene, lubricants, petroleum coke, and the "other petroleum products" category.

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.
k Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

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S** Table CT7. Transportation Sector Energy Consumption Estimates, Selected Years, 1960-2018, United States

Year	Coal Million Short Tons	Natural Gas <sup>a</sup> Billion Cubic Feet	Petroleum								Electricity Retail Sales Billion Kilowatthours	Net Energy <sup>l,g</sup>	Electrical System Energy Losses <sup>h</sup>	Total <sup>l,g</sup>
			Aviation Gasoline	Distillate Fuel Oil <sup>b</sup>	HGL <sup>c</sup>	Jet Fuel <sup>d</sup>	Lubricants	Motor Gasoline <sup>e</sup>	Residual Fuel Oil	Total				
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	--	--	--
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	2	520	24	3,136	123	4,851	8	--	--	--
2012	0	761	5	995	2	512	22	3,120	107	4,763	7	--	--	--
2013	0	863	4	1,023	2	524	24	3,168	92	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	4,982	8	--	--	--
2016	0	729	4	1,077	2	591	25	3,284	99	5,083	7	--	--	--
2017	0	770	4	1,086	2	614	23	3,280	106	5,116	8	--	--	--
2018	0	913	4	1,138	2	623	23	3,279	96	5,166	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	15,311	11	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	R 39	R 22,424
1995	0	728	40	4,191	18	3,132	168	14,576	911	23,036	17	23,781	R 38	R 23,819
2000	0	674	36	5,159	12	3,580	179	15,933	888	25,787	18	26,479	R 42	R 26,521
2001	0	656	35	5,286	14	3,426	164	16,013	586	25,524	19	R 26,199	R 42	R 26,241
2002	0	699	34	5,387	14	3,340	162	16,436	677	26,051	19	R 26,771	R 42	R 26,813
2003	0	627	30	5,584	18	3,265	150	16,565	571	26,184	23	R 26,837	R 53	R 26,889
2004	0	603	31	5,925	19	3,383	152	16,901	740	27,150	25	R 27,781	R 56	R 27,837
2005	0	625	35	6,068	28	3,475	151	16,958	837	27,553	26	R 28,215	R 57	R 28,272
2006	0	627	33	6,390	28	3,379	147	17,088	906	27,972	25	R 28,657	R 54	R 28,711
2007	0	665	32	6,411	22	3,358	152	17,066	994	28,034	28	R 28,772	59	R 28,831
2008	0	694	28	5,792	40	3,193	141	16,510	926	26,630	26	R 27,389	55	R 27,444
2009	0	717	27	5,538	28	2,883	127	R 16,425	791	R 25,818	27	R 26,561	55	R 26,616
2010	0	721	27	5,826	7	2,963	155	16,320	892	26,190	26	26,938	54	26,992
2011	0	736	27	6,000	7	2,950	148	15,877	776	25,785	26	26,547	53	26,600
2012	0	782	25	5,738	7	2,901	135	15,795	671	25,272	25	26,079	49	26,128
2013	0	888	22	5,898	7	2,969	143	16,030	581	25,650	26	R 26,565	51	26,615
2014	0	762	22	6,159	7	3,042	149	16,209	447	26,034	26	26,823	51	26,874
2015	0	747	21	6,255	7	3,204	163	16,308	463	26,421	26	27,194	50	27,244
2016	0	758	20	6,202	7	3,350	154	16,601	623	26,958	26	27,742	48	R 27,791
2017	0	801	21	6,253	7	3,481	142	16,576	665	27,145	26	27,972	48	28,020
2018	0	948	22	6,555	8	3,533	137	16,573	604	27,432	26	28,407	49	28,456

<sup>a</sup> 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.

<sup>b</sup> Beginning in 2009, includes biodiesel blended into distillate fuel oil.

<sup>c</sup> Hydrocarbon gas liquids, assumed to be propane only.

<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 "Industrial sector, Other Petroleum."

<sup>e</sup> Beginning in 1993, includes fuel ethanol blended into motor gasoline.

<sup>f</sup> There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of fuel ethanol beginning in 1981.

<sup>g</sup> For 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.

<sup>h</sup> 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, 1960-2018, United States**

Year	Coal Million Short Tons	Natural Gas <sup>a</sup> Billion Cubic Feet	Petroleum				Nuclear Electric Power	Hydroelectric Power <sup>d</sup>	Biomass Wood and Waste <sup>e,f</sup>	Geothermal <sup>f</sup>	Solar <sup>f,g</sup>	Wind <sup>f</sup>	Electricity Net Imports <sup>h</sup>	Total <sup>i,j</sup>
			Distillate Fuel Oil <sup>b</sup>	Petroleum Coke	Residual Fuel Oil <sup>c</sup>	Total								
			Million Barrels											
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)	(s)	2	--
1995	850	4,237	19	13	90	122	673	305	--	13	(s)	3	39	--
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	--
2018	637	10,589	14	18	12	44	807	291	--	16	63	272	44	--
<b>Trillion Btu</b>														
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
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
2018	12,053	10,941	80	101	78	260	8,438	2,651	496	145	576	2,480	152	38,181

<sup>a</sup> Includes supplemental gaseous fuels that are commingled with natural gas.  
<sup>b</sup> 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.  
<sup>c</sup> 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.  
<sup>d</sup> Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.  
<sup>e</sup> Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.  
<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> Solar thermal and photovoltaic energy.  
<sup>h</sup> Electricity traded with Canada and Mexico. Btu value calculated by converting net imports in kilowatthours by 3,412 Btu per kilowatthour.

<sup>i</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 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.