

**Table 7. Energy Consumption Estimates by Source, Selected Years, 1960-2007, United States**

Year	Coal	Net Imports of Coal Coke	Natural Gas <sup>a</sup>	Petroleum						Nuclear Electric Power	Hydro-electric Power <sup>e</sup>	Biomass	Geothermal, Solar/PV, and Wind <sup>g,h</sup>	Other <sup>i</sup>	Total <sup>g</sup>	
				Distillate Fuel Oil	Jet Fuel	LPG <sup>b</sup>	Motor Gasoline <sup>c</sup>	Residual Fuel Oil	Other <sup>d</sup>							Total
				Million Short Tons	Billion Cubic Feet	Million Barrels										Billion Kilowatthours
1960	398	(s)	11,967	685	136	227	1,453	559	525	3,586	1	149	--	--	--	--
1965	472	-1	15,280	776	220	307	1,676	587	636	4,202	4	197	--	--	--	--
1970	523	-2	21,139	927	353	447	2,111	804	722	5,364	22	251	--	--	--	--
1975	563	1	19,538	1,041	365	486	2,436	899	730	5,958	173	303	--	--	--	--
1980	703	-1	19,877	1,049	391	538	2,408	918	939	6,242	251	279	--	--	--	--
1985	818	-1	17,281	1,047	445	584	2,493	439	733	5,740	384	284	--	--	--	--
1990	904	(s)	19,174	1,103	556	568	2,641	449	885	6,201	577	293	--	--	--	--
1995	962	2	22,207	1,170	553	693	2,843	311	899	6,469	673	311	--	--	--	--
1996	1,006	1	22,609	1,232	578	736	2,888	311	957	6,701	675	347	--	--	--	--
1997	1,030	2	22,737	1,254	583	744	2,926	291	998	6,796	629	356	--	--	--	--
1998	1,037	3	22,246	1,263	592	713	3,012	324	1,001	6,905	674	323	--	--	--	--
1999	1,039	2	22,405	1,304	611	801	3,077	303	1,029	7,125	728	320	--	--	--	--
2000	1,084	3	23,333	1,362	631	816	3,101	333	967	7,211	754	276	--	--	--	--
2001	1,060	1	22,239	1,404	604	746	3,143	296	979	7,172	769	217	--	--	--	--
2002	1,066	2	23,007	1,378	589	789	3,229	255	972	7,213	780	264	--	--	--	--
2003	1,095	2	22,277	1,433	576	757	3,261	282	1,003	7,312	764	276	--	--	--	--
2004	1,107	6	22,389	1,485	597	780	3,333	316	1,076	7,588	789	268	--	--	--	--
2005	1,126	2	22,011	1,503	613	741	3,343	336	1,057	7,593	782	270	--	--	--	--
2006	1,112	2	R 21,685	1,522	596	749	3,377	251	1,055	7,551	787	289	--	--	--	--
2007	1,128	1	23,047	1,532	592	761	3,389	264	1,011	7,548	806	248	--	--	--	--

**Trillion Btu**

1960	9,831	-6	12,385	3,992	739	912	7,631	3,517	3,129	19,919	6	1,608	1,320	1	15	45,080
1965	11,582	-18	15,779	4,519	1,215	1,232	8,806	3,691	3,784	23,246	43	2,059	1,335	4	(s)	54,030
1970	12,269	-58	21,693	5,401	1,973	1,689	11,091	5,057	4,312	29,522	239	2,634	1,431	11	7	67,747
1975	12,656	14	R 19,977	6,061	2,047	1,807	12,798	5,649	4,370	32,732	1,900	3,155	1,499	70	21	72,023
1980	15,461	-35	R 20,384	6,110	2,190	1,976	12,648	5,772	5,508	34,204	2,739	2,900	2,472	110	-86	78,150
1985	17,540	-13	R 17,843	6,098	2,497	2,103	13,098	2,759	4,371	30,925	4,076	2,970	2,923	198	103	R 76,565
1990	19,168	5	R 19,752	6,422	3,129	2,059	13,872	2,820	5,249	33,552	6,104	3,046	2,626	425	-6	R 84,672
1995	20,099	61	R 22,833	6,818	3,132	2,512	14,825	1,955	5,314	34,556	7,075	3,205	2,901	396	108	R 91,235
1996	21,002	23	R 23,262	7,175	3,274	2,660	15,064	1,952	5,635	35,759	7,087	3,590	3,014	420	87	R 94,244
1997	21,444	46	R 23,477	7,304	3,308	2,690	15,254	1,828	5,881	36,266	6,597	3,640	2,919	429	92	R 94,910
1998	21,583	67	R 23,016	7,359	3,357	2,575	15,701	2,036	5,905	36,933	7,068	3,297	2,726	429	72	R 95,192
1999	21,582	58	R 23,026	7,595	3,462	2,897	16,036	1,905	6,066	37,960	7,610	3,268	2,764	447	90	R 96,804
2000	22,576	65	R 23,803	7,935	3,580	2,945	16,155	2,091	5,695	38,402	7,862	2,811	2,783	440	124	R 98,866
2001	21,906	29	R 22,836	8,179	3,426	2,697	16,373	1,861	5,797	38,333	8,033	2,242	2,374	446	97	R 96,296
2002	21,903	61	R 23,806	8,028	3,340	2,852	16,819	1,605	5,755	38,400	8,143	2,689	2,397	498	136	R 98,033
2003	22,324	51	R 23,188	8,349	3,265	2,747	16,981	1,772	5,936	39,051	7,959	2,825	2,403	509	127	R 98,436
2004	R 22,466	138	R 22,859	8,652	3,383	2,824	17,379	1,990	6,365	40,593	8,222	2,690	2,510	547	188	R 100,213
2005	22,795	44	R 22,645	8,755	3,475	2,682	17,444	2,111	6,265	40,733	8,160	2,703	R 2,538	587	261	R 100,465
2006	22,446	61	R 22,290	8,864	3,379	2,701	17,622	1,581	6,274	40,420	8,214	2,869	R 2,566	679	296	R 99,841
2007	22,740	25	23,678	8,921	3,358	2,733	17,689	1,659	5,999	40,358	8,458	2,446	2,573	770	420	101,468

<sup>a</sup> Includes supplemental gaseous fuels.  
<sup>b</sup> Liquefied petroleum gases.  
<sup>c</sup> Beginning in 1993, includes fuel ethanol blended into motor gasoline.  
<sup>d</sup> Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, and 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."  
<sup>e</sup> Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.  
<sup>f</sup> Wood, wood-derived fuels, and waste. Prior to 2001, includes non-biomass waste.  
<sup>g</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>h</sup> Geothermal, solar thermal, photovoltaic, and wind energy.

<sup>i</sup> Includes: net imports of electricity; fuel ethanol blended into motor gasoline that is not included in the motor gasoline column, from 1981 through 1992; losses and co-products from the production of fuel ethanol, beginning in 1981; and beginning in 1980, an adjustment to remove 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.  
 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 available at [http://www.eia.doe.gov/emeu/states/\\_seds.html](http://www.eia.doe.gov/emeu/states/_seds.html) under "Complete Data Files."  
 Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

**Table 8. Residential Sector Energy Consumption Estimates, Selected Years, 1960-2007, United States**

Year	Coal Million Short Tons	Natural Gas <sup>a</sup> Billion Cubic Feet	Petroleum				Biomass	Geothermal <sup>d</sup>	Solar/PV <sup>d,e</sup>	Retail Electricity Sales	Net Energy <sup>d,f</sup>	Electrical System Energy Losses <sup>g</sup>	Total <sup>d,f</sup>
			Distillate Fuel Oil	Kerosene	LPG <sup>b</sup>	Total	Wood <sup>c</sup>			Billion Kilowatthours			
			Million Barrels				Million Cords						
1960	24	3,103	269	62	85	417	31	--	--	201	--	--	--
1965	15	3,903	294	59	108	461	23	--	--	291	--	--	--
1970	9	4,837	322	53	153	528	20	--	--	466	--	--	--
1975	3	4,924	310	28	142	481	21	--	--	588	--	--	--
1980	1	4,752	226	19	88	333	42	--	--	717	--	--	--
1985	2	4,433	188	28	91	306	51	--	--	794	--	--	--
1990	1	4,391	168	11	101	280	29	--	--	924	--	--	--
1995	1	4,850	155	13	112	280	26	--	--	1,043	--	--	--
1996	1	5,241	159	16	131	306	27	--	--	1,083	--	--	--
1997	1	4,984	150	16	127	294	21	--	--	1,076	--	--	--
1998	1	4,520	133	19	120	272	19	--	--	1,130	--	--	--
1999	1	4,726	142	20	148	309	20	--	--	1,145	--	--	--
2000	(s)	4,996	155	17	156	328	22	--	--	1,192	--	--	--
2001	(s)	4,771	156	17	148	321	19	--	--	1,202	--	--	--
2002	1	4,889	148	11	150	308	19	--	--	1,265	--	--	--
2003	1	5,079	155	12	155	323	20	--	--	1,276	--	--	--
2004	1	4,869	159	15	147	321	21	--	--	1,292	--	--	--
2005	(s)	4,827	147	15	143	304	R 21	--	--	1,359	--	--	--
2006	(s)	4,368	122	12	R 126	R 260	R 20	--	--	1,352	--	--	--
2007	(s)	4,717	125	8	134	266	22	--	--	1,392	--	--	--

**Trillion Btu**

1960	578	3,212	1,568	354	343	2,265	627	0	0	687	7,370	1,702	9,071
1965	348	4,019	1,713	334	434	2,481	468	0	0	993	8,309	2,372	10,681
1970	207	4,953	1,878	298	579	2,755	401	0	0	1,591	9,907	3,853	13,760
1975	62	R 5,024	1,807	161	528	2,495	425	0	0	2,007	10,014	4,829	14,842
1980	31	R 4,855	1,316	107	325	1,748	846	0	0	2,448	9,859	5,906	15,765
1985	39	R 4,566	1,092	159	327	1,578	1,010	0	0	2,709	9,848	6,241	16,088
1990	31	R 4,519	978	64	365	1,407	582	6	56	3,153	9,708	7,296	17,004
1995	17	R 4,984	905	74	404	1,383	520	7	65	3,557	10,493	8,080	18,573
1996	16	R 5,391	926	89	473	1,488	540	7	65	3,694	11,161	8,401	19,562
1997	16	R 5,125	874	93	461	1,428	428	7	65	3,671	10,703	8,319	19,022
1998	12	R 4,671	772	108	434	1,314	380	8	65	3,856	10,272	8,746	19,018
1999	14	R 4,857	828	111	534	1,473	400	9	64	3,906	10,687	8,935	19,623
2000	11	R 5,100	905	95	564	1,563	430	9	61	4,069	11,209	9,256	20,465
2001	11	R 4,902	908	95	535	1,539	374	9	60	4,100	10,965	9,138	20,103
2002	12	R 4,994	860	60	543	1,463	380	10	59	4,317	11,211	9,625	20,836
2003	12	R 5,231	905	70	564	1,539	400	13	58	4,353	11,582	9,606	21,189
2004	11	R 4,969	924	85	532	1,541	410	14	59	4,408	11,392	R 9,754	R 21,146
2005	8	R 4,960	854	84	517	1,455	R 428	16	61	4,638	R 11,545	10,144	R 21,689
2006	6	R 4,484	712	66	R 454	R 1,233	R 390	18	67	4,611	R 10,790	9,972	R 20,762
2007	7	4,839	726	44	481	1,251	430	22	75	4,750	11,355	10,249	21,604

<sup>a</sup> Includes supplemental gaseous fuels.

<sup>b</sup> Liquefied petroleum gases.

<sup>c</sup> Wood and wood-derived fuels.

<sup>d</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>e</sup> Solar thermal and photovoltaic energy. Includes small amounts consumed by the commercial sector that cannot be separately identified. See Section 5 of the Technical Notes for an explanation of estimation methodology.

<sup>f</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>g</sup> Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

-- = 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 changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data available at [http://www.eia.doe.gov/emeu/states/\\_seds.html](http://www.eia.doe.gov/emeu/states/_seds.html) under "Complete Data Files."

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

**Table 9. Commercial Sector Energy Consumption Estimates, Selected Years, 1960-2007, 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>	Retail Electricity Sales Billion kWh	Net Energy <sup>f,h</sup>	Electrical System Energy Losses <sup>i</sup>	Total <sup>f,h</sup>
			Distillate Fuel Oil	Kerosene	LPG <sup>b</sup>	Motor Gasoline <sup>c</sup>	Residual Fuel Oil	Total <sup>d</sup>		Wood and Waste <sup>f,g</sup>	Geothermal <sup>f</sup>					
1960	17	1,020	85	8	15	13	89	210	0	--	--	159	--	--	--	
1965	11	1,444	92	9	19	15	103	238	0	--	--	231	--	--	--	
1970	7	2,399	101	11	27	16	114	269	0	--	--	352	--	--	--	
1975	7	2,508	101	9	25	17	78	230	0	--	--	468	--	--	--	
1980	5	2,611	89	7	16	20	90	222	0	--	--	559	--	--	--	
1985	6	2,432	108	6	16	18	36	185	0	--	--	689	--	--	--	
1990	5	2,623	92	2	18	21	37	170	(s)	--	--	838	--	--	--	
1995	5	3,031	82	4	20	3	23	132	(s)	--	--	953	--	--	--	
1996	5	3,158	83	4	23	5	22	137	(s)	--	--	980	--	--	--	
1997	6	3,215	76	4	22	8	18	129	(s)	--	--	1,027	--	--	--	
1998	4	2,999	74	5	21	7	14	121	(s)	--	--	1,078	--	--	--	
1999	4	3,045	75	5	26	5	12	123	(s)	--	--	1,104	--	--	--	
2000	4	3,182	84	5	28	9	15	140	(s)	--	--	1,159	--	--	--	
2001	4	3,023	87	6	26	7	11	137	(s)	--	--	1,191	--	--	--	
2002	4	3,144	76	3	27	9	13	127	(s)	--	--	1,205	--	--	--	
2003	4	3,179	83	3	27	12	18	143	(s)	--	--	1,199	--	--	--	
2004	5	3,129	81	4	26	9	19	138	(s)	--	--	1,230	--	--	--	
2005	4	2,999	77	4	25	9	18	133	(s)	--	--	1,275	--	--	--	
2006	3	R 2,832	69	3	22	9	12	115	(s)	--	--	1,300	--	--	--	
2007	3	3,017	66	2	24	12	12	115	(s)	--	--	1,336	--	--	--	

  

Trillion Btu															
1960	402	1,056	494	48	61	67	559	1,228	0	12	0	543	3,240	1,344	4,584
1965	263	1,483	534	54	77	77	645	1,386	0	9	0	789	3,930	1,884	5,814
1970	163	2,455	587	61	102	86	714	1,551	0	8	0	1,201	5,377	2,910	8,287
1975	146	R 2,556	587	49	93	89	492	1,310	0	8	0	1,598	5,617	3,845	9,462
1980	117	R 2,666	518	41	57	107	565	1,287	0	21	0	1,906	5,963	4,597	10,560
1985	138	R 2,503	631	33	58	96	228	1,045	0	24	0	2,351	6,030	5,418	11,448
1990	124	R 2,698	536	12	64	111	230	953	1	94	3	2,860	6,703	6,620	13,323
1995	116	R 3,117	479	22	71	18	141	732	1	113	5	3,252	7,309	7,388	14,697
1996	120	R 3,251	483	21	84	27	137	751	1	129	5	3,344	7,575	7,607	15,182
1997	129	R 3,306	444	25	81	43	111	704	1	131	6	3,503	7,756	7,939	15,695
1998	101	R 3,098	429	31	77	39	85	661	1	118	7	3,678	7,642	8,342	15,984
1999	102	R 3,132	438	27	94	28	73	661	1	121	7	3,766	7,769	8,614	16,383
2000	86	R 3,254	491	30	99	45	92	756	1	119	8	3,956	8,159	8,999	17,158
2001	88	R 3,109	508	31	94	37	70	742	1	91	8	4,063	8,082	9,056	17,138
2002	88	R 3,224	444	16	96	45	80	681	(s)	95	9	4,110	8,190	9,164	17,355
2003	83	R 3,293	481	19	100	60	111	771	1	100	11	4,090	8,333	9,026	17,359
2004	103	R 3,195	470	20	94	45	122	752	1	105	12	4,198	8,352	9,289	R 17,641
2005	96	R 3,088	447	22	91	46	116	722	1	104	14	4,351	8,360	9,517	17,877
2006	R 64	R 2,911	401	15	R 80	49	75	621	1	101	14	4,435	R 8,132	9,591	R 17,723
2007	64	3,101	384	9	85	61	75	615	1	100	14	4,560	8,442	9,837	18,279

<sup>a</sup> Includes supplemental gaseous fuels.  
<sup>b</sup> Liquefied petroleum gases.  
<sup>c</sup> Beginning in 1993, includes fuel ethanol blended into motor gasoline.  
<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 waste. Prior to 2001, includes non-biomass waste.  
<sup>h</sup> Small amounts of solar thermal and photovoltaic energy consumed in the commercial sector cannot be separately identified and are included in residential consumption. From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. 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>i</sup> Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.  
kWh = Kilowatthours. -- = 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 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 available at [http://www.eia.doe.gov/emeu/states/\\_seds.html](http://www.eia.doe.gov/emeu/states/_seds.html) under "Complete Data Files."  
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

**Table 10. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2007, United States**

Year	Coal Million Short Tons	Net Imports of Coal Coke (s)	Natural Gas <sup>a</sup> Billion Cubic Feet	Petroleum						Hydro-electric Power <sup>e,f</sup> Billion kWh	Biomass		Retail Electricity Sales Billion kWh	Net Energy <sup>f,h</sup>	Electrical System Energy Losses <sup>i</sup>	Total <sup>f,h</sup>
				Distillate Fuel Oil	LPG <sup>b</sup>	Motor Gasoline <sup>c</sup>	Residual Fuel Oil	Other <sup>d</sup>	Total		Wood and Waste <sup>f,g</sup>	Geo-thermal <sup>f</sup>				
1960	177	(s)	5,771	174	122	73	252	370	991	4	--	--	324	--	--	--
1965	201	-1	7,112	197	172	65	252	499	1,185	3	--	--	429	--	--	--
1970	187	-2	9,249	211	255	55	258	611	1,390	3	--	--	571	--	--	--
1975	147	1	8,365	230	308	43	240	653	1,474	3	--	--	688	--	--	--
1980	127	-1	8,198	227	429	30	215	871	1,772	3	--	--	815	--	--	--
1985	116	-1	6,867	192	469	41	119	662	1,484	3	--	--	837	--	--	--
1990	115	(s)	8,255	198	444	35	65	829	1,571	3	--	--	946	--	--	--
1995	106	2	9,384	194	557	38	54	833	1,677	5	--	--	1,013	--	--	--
1996	103	1	9,685	204	578	38	53	890	1,764	6	--	--	1,034	--	--	--
1997	102	2	9,714	207	590	41	46	924	1,808	6	--	--	1,038	--	--	--
1998	96	3	9,493	208	567	38	37	919	1,768	5	--	--	1,051	--	--	--
1999	93	2	9,158	204	624	29	33	948	1,838	5	--	--	1,058	--	--	--
2000	94	3	9,293	206	630	29	38	892	1,795	4	--	--	1,064	--	--	--
2001	91	1	8,463	223	568	57	32	905	1,786	3	--	--	997	--	--	--
2002	84	2	8,620	207	609	59	30	896	1,801	4	--	--	990	--	--	--
2003	86	2	8,273	195	570	62	35	927	1,790	4	--	--	1,012	--	--	--
2004	86	6	8,341	208	602	71	40	989	1,911	3	--	--	1,018	--	--	--
2005	84	2	7,709	217	566	68	45	966	1,862	3	--	--	1,019	--	--	--
2006	82	2	R 7,654	217	R 594	72	38	975	R 1,895	3	--	--	1,011	--	--	--
2007	79	1	7,823	217	598	59	31	941	1,845	2	--	--	1,028	--	--	--
<b>Trillion Btu</b>																
1960	4,548	-6	5,973	1,016	489	381	1,584	2,278	5,748	39	680	0	1,107	18,089	2,738	20,827
1965	5,134	-18	7,350	1,150	688	342	1,582	3,026	6,789	33	855	0	1,463	21,606	3,493	25,099
1970	4,664	-58	9,498	1,226	964	288	1,624	3,686	7,788	34	1,019	0	1,948	24,892	4,714	29,607
1975	3,658	14	8,571	1,339	1,144	223	1,509	3,932	8,148	32	1,063	0	2,346	23,832	5,643	29,475
1980	3,155	-35	R 8,409	1,324	1,577	158	1,349	5,119	9,527	33	1,600	0	2,781	25,423	6,705	32,128
1985	2,777	-13	R 7,096	1,119	1,690	218	748	3,966	7,741	33	1,875	0	2,855	R 22,366	6,574	R 28,940
1990	2,754	5	R 8,520	1,150	1,608	185	411	4,922	8,277	31	1,634	2	3,226	R 24,456	7,466	R 31,922
1995	2,500	61	R 9,678	1,131	2,019	200	337	4,930	8,617	55	1,847	3	3,455	R 26,263	7,849	R 34,112
1996	2,438	23	R 9,999	1,187	2,089	200	335	5,245	9,056	61	1,907	3	3,527	R 27,036	8,022	R 35,058
1997	2,396	46	R 10,109	1,203	2,134	212	291	5,450	9,290	58	1,915	3	3,542	R 27,403	8,028	R 35,431
1998	2,254	67	R 9,882	1,211	2,048	199	230	5,427	9,116	55	1,784	3	3,587	R 26,795	8,136	R 34,931
1999	2,188	58	R 9,438	1,187	2,256	152	207	5,594	9,396	49	1,791	4	3,611	R 26,588	8,260	R 34,848
2000	2,259	65	R 9,459	1,200	2,271	150	241	5,257	9,119	42	1,781	4	3,631	R 26,431	8,261	R 34,692
2001	2,194	29	R 8,674	1,300	2,054	295	203	5,368	9,220	33	1,571	5	3,400	R 25,204	7,579	R 32,783
2002	2,020	61	R 9,088	1,204	2,200	309	190	5,308	9,211	39	1,543	5	3,379	R 25,453	7,534	R 32,986
2003	2,044	51	R 8,773	1,136	2,068	324	220	5,491	9,240	43	1,506	3	3,454	R 25,262	7,622	R 32,884
2004	2,046	138	R 8,485	1,214	2,180	372	249	5,854	9,870	33	R 1,608	4	3,473	R 25,843	7,683	R 33,526
2005	1,954	44	R 7,935	1,264	2,047	356	281	5,729	9,678	32	1,600	4	3,477	R 24,941	7,606	R 32,547
2006	1,914	61	R 7,872	1,263	R 2,140	376	239	5,797	R 9,816	29	R 1,662	4	3,451	R 25,083	7,462	R 32,544
2007	1,861	25	8,041	1,265	2,146	306	193	5,591	9,501	16	1,619	5	3,507	24,928	7,566	32,494

<sup>a</sup> Includes supplemental gaseous fuels.  
<sup>b</sup> Liquefied petroleum gases.  
<sup>c</sup> Beginning in 1993, includes fuel ethanol blended into motor gasoline.  
<sup>d</sup> Includes asphalt and road oil, kerosene, lubricants, and 16 other petroleum products as described in the Technical Notes, Section 4, "Other Petroleum Products."  
<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 waste. Prior to 2001, includes non-biomass waste.  
<sup>h</sup> From 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1981, includes losses and co-products from the production of fuel ethanol. 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>i</sup> Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.  
kWh = Kilowatthours. --- = 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 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 available at [http://www.eia.doe.gov/emeu/states/\\_seds.html](http://www.eia.doe.gov/emeu/states/_seds.html) under "Complete Data Files."  
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

**Table 11. Transportation Sector Energy Consumption Estimates, Selected Years, 1960-2007, United States**

Year	Coal	Natural Gas <sup>a</sup>	Petroleum								Fuel Ethanol <sup>d</sup>	Retail Electricity Sales	Net Energy <sup>e,f</sup>	Electrical System Energy Losses <sup>g</sup>	Total <sup>e,f</sup>
			Aviation Gasoline	Distillate Fuel Oil	Jet Fuel	LPG <sup>b</sup>	Lubricants	Motor Gasoline <sup>c</sup>	Residual Fuel Oil	Total					
	Million Short Tons	Billion Cubic Feet	Million Barrels								Million Barrels	Billion Kilowatthours			
1960	3	347	59	153	136	5	25	1,367	134	1,880	0	3	---	---	---
1965	1	501	44	188	220	8	24	1,596	123	2,203	0	3	---	---	---
1970	(s)	722	20	269	353	12	24	2,040	121	2,839	0	3	---	---	---
1975	(s)	583	14	364	362	11	26	2,377	113	3,267	0	3	---	---	---
1980	0	635	13	480	389	5	28	2,357	222	3,494	0	3	---	---	---
1985	0	504	10	544	445	8	26	2,434	125	3,591	14	4	---	---	---
1990	0	660	9	629	556	6	29	2,584	162	3,974	17	5	---	---	---
1995	0	705	8	720	553	5	28	2,801	145	4,259	32	5	---	---	---
1996	0	718	7	767	578	4	27	2,845	135	4,363	23	5	---	---	---
1997	0	760	8	802	583	4	28	2,877	113	4,416	29	5	---	---	---
1998	0	645	7	826	592	5	30	2,967	107	4,533	32	5	---	---	---
1999	0	657	8	859	611	4	30	3,043	106	4,659	34	5	---	---	---
2000	0	655	7	887	631	3	30	3,063	141	4,762	39	5	---	---	---
2001	0	640	7	908	604	4	27	3,079	93	4,722	40	5	---	---	---
2002	0	682	7	926	589	4	27	3,161	108	4,821	48	6	---	---	---
2003	0	610	6	973	576	4	25	3,187	91	4,862	66	7	---	---	---
2004	0	587	6	1,018	597	5	25	3,253	118	5,021	83	7	---	---	---
2005	0	607	7	1,043	613	7	25	3,266	133	5,094	R 95	8	---	---	---
2006	0	R 608	7	1,101	596	7	24	3,296	144	5,175	R 128	7	---	---	---
2007	0	648	6	1,108	592	6	25	3,319	158	5,215	161	8	---	---	---

  

Trillion Btu															
1960	76	359	298	892	739	20	152	7,183	844	10,126	0	10	10,572	26	10,597
1965	16	518	222	1,093	1,215	33	149	8,386	770	11,868	0	10	12,412	24	12,435
1970	7	740	100	1,569	1,973	44	147	10,716	761	15,310	0	11	16,068	26	16,094
1975	1	595	71	2,121	2,029	42	155	12,485	711	17,614	0	10	18,219	24	18,244
1980	0	650	64	2,795	2,179	17	172	12,383	1,398	19,009	0	11	19,669	27	19,696
1985	0	521	50	3,170	2,497	28	156	12,784	786	19,471	51	14	20,056	33	20,089
1990	0	683	45	3,661	3,129	22	176	13,575	1,016	21,625	61	16	22,385	37	22,423
1995	0	728	40	4,195	3,132	17	168	14,607	911	23,069	114	17	23,814	39	23,853
1996	0	740	37	4,469	3,274	15	163	14,837	851	23,647	82	17	24,404	38	24,442
1997	0	790	40	4,672	3,308	13	172	14,999	712	23,917	103	17	24,723	38	24,761
1998	0	667	35	4,812	3,357	17	180	15,463	674	24,537	115	17	25,221	38	25,259
1999	0	675	39	5,001	3,462	13	182	15,855	665	25,218	120	17	25,911	40	25,951
2000	0	672	36	5,165	3,580	11	179	15,960	888	25,820	137	18	26,510	42	26,551
2001	0	656	35	5,292	3,426	13	164	16,041	586	25,556	143	19	26,230	42	26,272
2002	0	711	34	5,392	3,340	13	162	16,465	677	26,084	170	19	26,814	42	26,856
2003	0	633	30	5,666	3,265	16	150	16,597	571	26,296	232	24	26,952	52	27,004
2004	0	603	31	5,932	3,383	18	152	16,962	740	27,218	292	25	27,846	55	27,901
2005	0	626	35	6,076	3,475	27	151	17,043	837	27,644	334	26	28,296	56	28,352
2006	0	R 629	33	6,414	3,379	26	147	17,197	906	28,103	R 451	25	R 28,757	55	R 28,812
2007	0	669	32	6,457	3,358	21	152	17,321	994	28,334	569	28	29,031	60	29,091

<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> Liquefied petroleum gases.

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

<sup>d</sup> Beginning in 1981, fuel ethanol is shown separately to display the use of renewable energy by the transportation sector. It is counted only once in the total.

<sup>e</sup> There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of renewable energy sources beginning in 1981.

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

<sup>g</sup> Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

--- = 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 available at [http://www.eia.doe.gov/emeu/states/\\_seds.html](http://www.eia.doe.gov/emeu/states/_seds.html) under "Complete Data Files."

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

**Table 12. Electric Power Sector Consumption Estimates, Selected Years, 1960-2007, United States**

Year	Coal Million Short Tons	Natural Gas <sup>a</sup> Billion Cubic Feet	Petroleum				Nuclear Electric Power Billion Kilowatthours	Hydroelectric Power <sup>d</sup> Billion Kilowatthours	Biomass Wood and Waste <sup>e,f</sup> Billion Kilowatthours	Geothermal <sup>f</sup> Billion Kilowatthours	Solar/PV <sup>f,g</sup> Billion Kilowatthours	Wind <sup>f</sup> Billion Kilowatthours	Electricity Net Imports <sup>h</sup> Billion Kilowatthours	Total <sup>f,i</sup>
			Residual Fuel Oil <sup>b</sup> Million Barrels	Distillate Fuel Oil <sup>c</sup> Million Barrels	Petroleum Coke Million Barrels	Total Million Barrels								
1960	177	1,725	84	4	0	88	1	146	--	(s)	0	0	5	--
1965	245	2,321	110	5	0	115	4	194	--	(s)	0	0	(s)	--
1970	320	3,932	311	24	3	339	22	248	--	1	0	0	2	--
1975	406	3,158	467	39	(s)	506	173	300	--	3	0	0	6	--
1980	569	3,682	391	29	1	421	251	276	--	5	0	0	21	--
1985	694	3,044	159	15	1	175	384	281	--	9	(s)	(s)	41	--
1990	783	3,245	185	17	5	207	577	290	--	15	(s)	3	2	--
1995	850	4,237	90	19	13	122	673	305	--	13	(s)	3	39	--
1996	897	3,807	100	19	13	132	675	341	--	14	1	3	40	--
1997	921	4,065	114	19	17	150	629	351	--	15	1	3	34	--
1998	937	4,588	167	23	21	210	674	318	--	15	1	3	26	--
1999	941	4,820	152	24	19	195	728	315	--	15	(s)	4	29	--
2000	986	5,206	139	30	16	185	754	271	--	14	(s)	6	34	--
2001	964	5,342	160	29	17	206	769	214	--	14	1	7	22	--
2002	978	5,672	105	22	29	156	780	260	--	14	1	10	21	--
2003	1,005	5,135	138	28	29	195	764	272	--	14	1	11	6	--
2004	1,016	5,464	140	19	37	196	789	265	--	15	1	14	11	--
2005	1,037	5,869	139	20	40	199	782	267	--	15	1	18	25	--
2006	1,027	6,222	57	13	36	105	787	286	--	15	1	27	18	--
2007	1,045	6,841	63	15	28	107	806	246	--	15	1	34	31	--

**Trillion Btu**

1960	4,227	1,785	530	22	0	553	6	1,569	2	1	0	0	15	8,157
1965	5,821	2,408	693	29	0	722	43	2,026	3	4	0	0	(s)	11,028
1970	7,228	4,048	1,958	141	19	2,117	239	2,600	4	11	0	0	7	16,254
1975	8,789	3,232	2,937	226	2	3,166	1,900	3,122	2	70	0	0	21	20,302
1980	12,158	R 3,804	2,459	169	5	2,634	2,739	2,867	4	110	0	0	71	24,381
1985	14,586	R 3,157	998	85	7	1,090	4,076	2,937	14	198	(s)	(s)	140	26,195
1990	16,259	R 3,333	1,163	97	30	1,289	6,104	3,014	317	326	4	29	8	30,675
1995	17,465	R 4,327	566	108	81	755	7,075	3,149	422	280	5	33	134	33,637
1996	18,428	R 3,882	628	109	80	817	7,087	3,528	438	300	5	33	137	34,649
1997	18,903	R 4,147	715	111	102	927	6,597	3,581	446	309	5	34	116	35,058
1998	19,216	R 4,698	1,047	136	124	1,306	7,068	3,241	444	311	5	31	88	36,400
1999	19,279	R 4,924	959	140	112	1,211	7,610	3,218	453	312	5	46	99	37,150
2000	20,220	R 5,318	871	175	99	1,144	7,862	2,768	453	296	5	57	115	38,232
2001	19,614	R 5,496	1,003	171	103	1,277	8,033	2,209	337	289	6	70	75	37,396
2002	19,783	R 5,789	659	127	175	961	8,143	2,650	380	305	6	105	72	38,189
2003	20,185	R 5,259	869	161	175	1,205	7,959	2,781	397	303	5	115	22	38,227
2004	20,305	R 5,607	879	111	222	1,212	8,222	2,656	388	311	6	142	39	R 38,885
2005	20,737	R 6,036	876	115	243	1,235	8,160	2,670	406	309	6	178	84	R 39,814
2006	20,461	R 6,394	361	74	214	648	8,214	2,839	412	306	5	264	63	39,601
2007	20,807	7,028	397	89	171	657	8,458	2,430	423	308	6	341	107	40,558

<sup>a</sup> Includes supplemental gaseous fuels.

<sup>b</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>c</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>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 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.

<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.

-- = Not applicable.

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 available at [http://www.eia.doe.gov/emeu/states/\\_seds.html](http://www.eia.doe.gov/emeu/states/_seds.html) under "Complete Data Files."

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