

Table CE4.6 Annual household site end-use consumption by fuel in the U.S.—averages, 2015

	Number of housing units (million)	Average site energy consumption <sup>1</sup>																	
		Electricity (kWh per household using the end use)						Natural gas (ccf per household using the end use)				Propane (gallons per household using the end use)			Fuel oil/kerosene (gallons per household using the end use)				
		Total U.S. <sup>2</sup>	Space heating <sup>3</sup>	Water heating	Air conditioning	Refrigerators	Other <sup>4</sup>	Total	Space heating <sup>3</sup>	Water heating	Other <sup>4</sup>	Total	Space heating <sup>3</sup>	Water heating	Other <sup>4</sup>	Total	Space heating <sup>3</sup>	Water heating	Other
<b>All homes</b>	118.2	10,720	3,242	3,140	2,084	756	5,112	578	450	181	59	341	340	195	81	490	437	151	178
<b>Census region and division</b>																			
Northeast	21.0	8,211	2,909	3,051	997	687	4,722	667	543	194	59	321	416	188	66	532	474	151	Q
New England	5.6	7,515	2,035	2,737	660	649	4,775	634	497	205	60	271	385	187	49	627	580	146	Q
Middle Atlantic	15.4	8,465	3,190	3,182	1,101	701	4,703	675	553	192	59	372	441	189	84	455	391	155	Q
Midwest	26.4	9,567	3,738	3,170	1,166	761	5,135	768	608	186	47	507	468	214	73	287	310	N	Q
East North Central	18.1	9,129	3,653	3,222	1,079	753	4,918	805	638	188	49	549	494	205	95	Q	Q	N	Q
West North Central	8.3	10,524	3,899	3,073	1,356	779	5,609	678	536	180	39	456	438	233	45	Q	Q	N	N
South	44.4	13,895	3,330	3,126	3,326	779	5,625	462	335	162	70	290	268	198	99	335	302	Q	Q
South Atlantic	23.5	13,447	3,088	3,043	3,136	765	5,505	494	362	171	69	312	294	238	130	347	311	Q	Q
East South Central	7.2	14,536	3,991	3,476	2,640	734	5,692	462	343	175	91	211	187	189	49	Q	Q	N	N
West South Central	13.8	14,324	3,345	3,062	4,002	827	5,795	422	297	148	65	316	317	162	75	Q	Q	N	N
West	26.4	8,525	2,753	3,229	1,507	768	4,536	419	282	182	59	295	229	183	75	434	300	Q	Q
Mountain	8.5	9,416	2,454	2,930	2,196	787	5,105	629	442	213	62	344	228	182	Q	N	N	N	N
Mountain North	4.2	8,384	3,183	3,101	874	809	5,189	737	504	245	58	489	321	Q	Q	N	N	N	N
Mountain South	4.3	10,442	1,952	2,810	3,317	765	5,023	483	341	172	65	278	Q	190	58	N	N	N	N
Pacific	17.9	8,100	2,880	3,359	1,121	759	4,265	321	186	168	58	263	230	183	69	434	300	Q	Q
<b>Census urban/rural classification<sup>5</sup></b>																			
Urban	94.7	9,868	2,643	2,950	2,079	734	4,865	568	442	179	58	268	310	220	91	502	444	144	Q
Urbanized area	82.2	9,779	2,517	2,904	2,133	734	4,852	568	441	180	58	295	353	244	106	514	453	145	Q
Urban cluster	12.5	10,450	3,412	3,196	1,724	734	4,947	568	446	174	53	196	227	148	40	447	406	139	N
Rural	23.5	14,165	5,194	3,617	2,105	845	6,112	692	534	208	73	375	350	188	77	466	421	169	Q
<b>Metropolitan or micropolitan statistical area</b>																			
In metropolitan statistical area	98.5	10,344	2,893	3,034	2,122	756	5,075	574	445	181	59	374	372	205	85	489	433	149	187
In micropolitan statistical area	12.3	12,585	4,647	3,497	1,663	757	5,296	593	484	172	57	266	263	188	73	459	437	136	Q
Not in metropolitan or micropolitan statistical area	7.4	12,635	4,684	3,514	2,333	751	5,309	628	484	210	48	307	321	156	75	524	455	168	Q
<b>Climate region<sup>6</sup></b>																			
Very cold/Cold	42.5	8,913	3,394	3,135	880	732	5,092	769	600	200	57	384	413	196	58	534	497	148	Q
Mixed-humid	33.5	12,302	4,354	3,478	2,029	753	5,409	563	429	180	58	384	334	227	136	428	352	153	Q
Mixed-dry/Hot-dry	12.7	7,651	1,297	2,438	2,177	767	4,163	307	167	161	61	251	240	200	67	Q	Q	N	N
Hot-humid	22.8	13,805	2,335	2,719	4,421	787	5,348	350	244	142	69	148	143	141	53	Q	Q	N	N
Marine	6.7	9,596	3,408	4,024	445	800	4,754	368	228	178	47	278	212	164	69	Q	Q	N	Q

**Table CE4.6 Annual household site end-use consumption by fuel in the U.S.—averages, 2015**

	Number of housing units (million)	Average site energy consumption <sup>1</sup>																	
		Electricity (kWh per household using the end use)						Natural gas (ccf per household using the end use)			Propane (gallons per household using the end use)			Fuel oil/kerosene (gallons per household using the end use)					
		Total U.S. <sup>2</sup>	Space heating <sup>3</sup>	Water heating	Air conditioning	Refrigerators	Other <sup>4</sup>	Total	Space heating <sup>3</sup>	Water heating	Other <sup>4</sup>	Total	Space heating <sup>3</sup>	Water heating	Other <sup>4</sup>	Total	Space heating <sup>3</sup>	Water heating	Other
<b>All homes</b>	118.2	10,720	3,242	3,140	2,084	756	5,112	578	450	181	59	341	340	195	81	490	437	151	178
<b>Housing unit type</b>																			
Single-family detached	73.9	12,606	3,940	3,372	2,621	880	6,157	692	528	194	64	380	371	197	93	571	529	147	170
Single-family attached	7.0	8,523	2,578	2,782	1,590	688	4,105	562	429	162	56	316	Q	Q	Q	Q	Q	Q	N
Apartments in buildings with 2-4 units	9.4	6,727	2,296	2,700	978	527	3,180	423	293	179	64	224	Q	Q	Q	325	244	Q	N
Apartments in buildings with 5 or more units	21.1	6,040	1,529	2,404	840	486	2,730	224	141	135	37	126	Q	Q	Q	228	122	157	N
Mobile homes	6.8	12,574	3,888	3,843	1,810	631	4,884	451	354	188	35	212	180	181	46	262	236	Q	Q
<b>Ownership of housing unit</b>																			
Owned	74.5	12,246	3,826	3,281	2,491	874	5,999	678	519	186	63	367	358	199	90	535	494	145	135
Single-family	66.2	12,518	3,932	3,312	2,596	900	6,207	697	533	188	63	392	377	201	96	569	530	144	122
Apartments	3.3	6,528	1,379	1,838	1,252	671	3,432	442	305	166	80	Q	Q	Q	N	Q	Q	Q	N
Mobile homes	5.0	12,455	3,804	3,622	1,890	659	4,946	454	363	153	37	199	186	201	56	269	241	Q	Q
Rented <sup>7</sup>	43.7	8,119	2,428	2,938	1,337	555	3,600	391	294	170	50	212	228	178	34	371	286	164	Q
Single-family	14.7	11,052	3,403	3,353	2,235	698	4,948	594	449	205	64	238	279	165	41	598	542	Q	Q
Apartments	27.2	6,218	1,776	2,551	832	477	2,799	273	183	149	41	168	Q	203	Q	276	171	161	N
Mobile homes	1.8	12,901	4,089	4,441	1,574	556	4,716	439	Q	Q	24	252	Q	Q	Q	Q	Q	N	N
<b>Year of construction</b>																			
Before 1950	20.8	8,807	3,334	3,124	1,595	646	4,515	644	524	179	45	377	456	185	50	500	453	154	Q
1950 to 1959	12.6	9,293	2,979	2,986	2,069	716	4,517	598	495	171	54	295	402	179	56	581	519	152	Q
1960 to 1969	12.8	9,531	3,431	2,743	2,281	720	4,531	535	427	162	51	288	350	168	Q	460	400	149	Q
1970 to 1979	18.3	10,757	3,872	3,174	1,979	729	4,696	523	408	168	59	307	323	187	48	468	434	121	Q
1980 to 1989	16.0	10,987	2,796	2,849	2,139	758	5,182	483	363	180	68	282	257	201	95	428	354	142	Q
1990 to 1999	16.8	12,411	3,320	3,407	2,319	856	5,971	609	460	202	55	326	297	227	68	452	389	Q	N
2000 to 2009	17.0	12,838	3,033	3,340	2,351	885	6,195	601	406	208	91	448	341	208	141	464	455	185	Q
2010 to 2015	3.8	11,671	2,831	3,504	1,945	711	5,380	534	385	204	69	342	317	163	72	Q	Q	Q	N
<b>Total square footage<sup>8</sup></b>																			
Fewer than 1,000	26.6	6,627	2,028	2,635	987	504	2,940	274	194	140	39	181	181	200	51	243	156	153	Q
1,000 to 1,499	26.1	10,015	2,867	3,132	1,829	649	4,375	443	318	180	56	219	204	179	44	298	234	185	Q
1,500 to 1,999	17.5	11,716	3,676	3,330	2,554	830	5,135	561	417	176	61	282	291	154	56	440	403	111	Q
2,000 to 2,499	14.1	11,604	3,618	3,278	2,371	847	5,672	682	496	191	66	426	407	192	81	496	426	189	Q
2,500 to 2,999	10.8	12,271	4,051	3,283	2,454	884	6,253	751	581	190	56	332	343	192	67	620	572	148	Q
3,000 or greater	23.1	14,210	4,657	3,593	2,791	992	7,553	855	662	215	72	474	447	219	133	665	631	137	Q

Table CE4.6 Annual household site end-use consumption by fuel in the U.S.—averages, 2015

	Average site energy consumption <sup>1</sup>																			
	Electricity (kWh per household using the end use)							Natural gas (ccf per household using the end use)					Propane (gallons per household using the end use)			Fuel oil/kerosene (gallons per household using the end use)				
	Total U.S. <sup>2</sup>	Total	Space heating <sup>3</sup>	Water heating	Air conditioning	Refrigerators	Other <sup>4</sup>	Total	Space heating <sup>3</sup>	Water heating	Other <sup>4</sup>	Total	Space heating <sup>3</sup>	Water heating	Other <sup>4</sup>	Total	Space heating <sup>3</sup>	Water heating	Other	
<b>All homes</b>	118.2	10,720	3,242	3,140	2,084	756	5,112	578	450	181	59	341	340	195	81	490	437	151	178	
<b>Number of household members</b>																				
1 member	28.7	7,340	2,746	1,536	1,550	629	3,333	449	406	92	44	223	286	111	42	374	367	73	Q	
2 members	42.7	10,693	3,496	2,658	2,131	783	5,041	570	463	153	54	333	315	160	90	484	437	128	Q	
3 members	19.4	11,384	3,039	3,772	2,208	780	5,517	611	465	212	62	378	377	259	88	551	482	185	Q	
4 members	15.5	13,353	3,349	4,882	2,460	835	6,675	668	447	265	70	466	414	331	107	551	455	237	Q	
5 members	7.2	14,539	3,837	5,593	2,581	830	6,724	711	499	290	72	616	619	318	82	449	364	Q	Q	
6 or more members	4.6	14,434	3,645	6,380	2,260	811	7,387	756	463	341	88	308	296	Q	67	723	603	Q	N	
<b>2015 annual household income</b>																				
Less than \$20,000	22.9	8,547	3,095	2,907	1,567	575	3,559	427	342	156	54	217	267	154	42	392	342	128	Q	
\$20,000 to \$39,999	27.3	9,716	3,067	2,967	1,849	695	4,412	541	440	166	48	296	310	223	62	472	415	147	Q	
\$40,000 to \$59,999	18.4	10,748	3,086	3,122	2,142	726	4,940	562	433	173	53	316	317	193	44	463	410	190	Q	
\$60,000 to \$79,999	15.2	11,225	3,405	3,431	2,034	789	5,382	596	459	182	64	368	347	176	71	527	490	141	N	
\$80,000 to \$99,999	9.7	11,470	3,043	3,365	2,296	869	5,681	633	476	195	57	483	424	208	90	499	443	135	Q	
\$100,000 to \$119,999	8.1	12,227	3,453	3,316	2,324	873	6,112	664	478	205	57	325	328	217	79	570	498	147	N	
\$120,000 to \$139,999	5.4	12,959	3,713	3,656	2,735	904	6,630	734	554	218	64	384	352	173	90	566	473	Q	Q	
\$140,000 or more	11.2	14,053	4,169	3,293	2,838	1,019	7,958	708	533	212	81	513	434	238	192	594	569	168	Q	
<b>Payment method for energy bills</b>																				
All paid by household	105.8	11,310	3,362	3,203	2,211	786	5,387	618	476	185	62	356	343	195	85	534	492	145	178	
Some paid by household, some included in rent or condo fee	6.1	4,800	1,895	1,874	797	499	2,485	262	212	145	30	185	Q	Q	Q	321	211	164	N	
All included in rent or condo fee	5.5	6,274	2,064	2,629	1,045	498	2,875	335	226	153	34	113	Q	Q	Q	Q	Q	Q	N	
Some other method	0.9	8,532	2,597	2,846	1,447	513	4,215	475	353	182	Q	Q	Q	Q	Q	Q	Q	Q	N	
<b>Main heating fuel</b>																				
Natural gas	57.7	8,911	1,707	3,126	2,029	793	5,452	652	462	184	54	98	Q	Q	Q	75	63	Q	Q	
Electricity	40.9	13,619	3,784	3,084	2,209	711	4,492	195	57	156	105	175	107	174	139	147	52	Q	Q	
Fuel oil/kerosene	5.8	8,847	2,264	3,340	1,211	667	5,084	153	Q	207	67	116	158	Q	64	555	484	151	Q	
Propane	5.0	12,053	2,495	3,390	1,877	870	7,036	Q	N	Q	Q	565	449	195	45	Q	N	Q	N	

**Table CE4.6 Annual household site end-use consumption by fuel in the U.S.—averages, 2015**

	Number of housing units (million)	Average site energy consumption <sup>1</sup>																	
		Electricity (kWh per household using the end use)						Natural gas (ccf per household using the end use)			Propane (gallons per household using the end use)			Fuel oil/kerosene (gallons per household using the end use)					
		Total U.S. <sup>2</sup>	Space heating <sup>3</sup>	Water heating	Air conditioning	Refrigerators	Other <sup>4</sup>	Total	Space heating <sup>3</sup>	Water heating	Other <sup>4</sup>	Total	Space heating <sup>3</sup>	Water heating	Other <sup>4</sup>	Total	Space heating <sup>3</sup>	Water heating	Other
<b>All homes</b>	118.2	10,720	3,242	3,140	2,084	756	5,112	578	450	181	59	341	340	195	81	490	437	151	178

<sup>1</sup>Consumption and expenditures for biomass (wood), coal, district steam, and solar thermal are excluded. Electricity consumption from on-site solar photovoltaic generation (i.e., solar panels) is included.

<sup>2</sup>Total U.S. includes all primary occupied housing units in the 50 states and District of Columbia. Vacant housing units, seasonal units, second homes, military houses, and group quarters are excluded.

<sup>3</sup>Includes main (primary) and secondary space heating.

<sup>4</sup>Includes end uses not in this table. A more detailed breakout of end uses is shown in the Series 5 tables.

<sup>5</sup>Housing units are classified using criteria created by the U.S. Census Bureau based on 2010 Census data. Urbanized areas are densely settled groupings of blocks or tracts with 50,000 or more people. Urban clusters have at least 2,500 but less than 50,000 people. All other areas are rural.

<sup>6</sup>These climate regions were created by the Building America program, sponsored by the U.S. Department of Energy's Office of Energy Efficiency and Renewable Energy (EERE).

<sup>7</sup>Rented includes households that occupy their primary housing units without paying rent.

<sup>8</sup>Total square footage includes all basements, finished or conditioned (heated or cooled) areas of attics, and conditioned garage space that is attached to the home. Unconditioned and unfinished areas in attics and attached garages are excluded. The square footage for some housing units was calculated based on measurements taken by the interviewer. For households responding without the presence of an interviewer, square footage was imputed based on characteristics of the housing unit. See 2015 RECS Square Footage Methodology for full details about data collection and processing.

Q = Data withheld because either the Relative Standard Error (RSE) was greater than 50% or fewer than 10 cases responded.

N = No cases responded.

Notes: Because of rounding, data may not sum to totals. See RECS Terminology for definition of terms used in these tables.

Source: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Forms EIA-457A, C, D, E, F, G of the 2015 Residential Energy Consumption Survey.

**Table CE4.6 Annual household site end-use consumption by fuel in the U.S.—averages, 2015**

	Number of housing units (million)		Average site energy consumption <sup>1</sup> (million Btu per household using the fuel and end use)																	
	Total U.S. <sup>2</sup>	Total	Electricity					Natural gas					Propane			Fuel oil/kerosene				
			Total	Space heating <sup>3</sup>	Water heating	Air conditioning	Refrigerators	Other <sup>4</sup>	Total	Space heating <sup>3</sup>	Water heating	Other <sup>4</sup>	Total	Space heating <sup>3</sup>	Water heating	Other <sup>4</sup>	Total	Space heating <sup>3</sup>	Water heating	Other
<b>All homes</b>	118.2	77.1	36.6	11.1	10.7	7.1	2.6	17.4	57.8	45.0	18.1	5.9	31.2	31.0	17.8	7.4	67.3	59.9	20.7	24.4
<b>Census region and division</b>																				
Northeast	21.0	94.4	28.0	9.9	10.4	3.4	2.3	16.1	68.7	55.8	20.0	6.1	29.3	38.0	17.2	6.0	73.0	65.1	20.8	Q
New England	5.6	97.3	25.6	6.9	9.3	2.3	2.2	16.3	64.8	50.8	21.0	6.1	24.7	35.1	17.1	4.5	86.1	79.7	20.1	Q
Middle Atlantic	15.4	93.4	28.9	10.9	10.9	3.8	2.4	16.0	69.6	57.0	19.8	6.1	33.9	40.3	17.3	7.7	62.4	53.6	21.3	Q
Midwest	26.4	94.3	32.6	12.8	10.8	4.0	2.6	17.5	76.8	60.8	18.6	4.7	46.3	42.8	19.6	6.7	39.4	42.6	N	Q
East North Central	18.1	97.0	31.1	12.5	11.0	3.7	2.6	16.8	81.1	64.2	19.0	4.9	50.1	45.1	18.8	8.7	Q	Q	N	Q
West North Central	8.3	88.3	35.9	13.3	10.5	4.6	2.7	19.1	66.7	52.7	17.8	3.9	41.6	40.0	21.3	4.1	Q	Q	N	N
South	44.4	68.9	47.4	11.4	10.7	11.3	2.7	19.2	46.9	34.0	16.5	7.2	26.5	24.5	18.1	9.0	46.0	41.5	Q	Q
South Atlantic	23.5	67.5	45.9	10.5	10.4	10.7	2.6	18.8	50.1	36.7	17.4	7.0	28.5	26.9	21.8	11.8	47.6	42.8	Q	Q
East South Central	7.2	69.2	49.6	13.6	11.9	9.0	2.5	19.4	47.0	34.8	17.8	9.2	19.2	17.1	17.2	4.4	Q	Q	N	N
West South Central	13.8	71.3	48.9	11.4	10.4	13.7	2.8	19.8	43.0	30.3	15.1	6.6	28.8	29.0	14.8	6.8	Q	Q	N	N
West	26.4	59.9	29.1	9.4	11.0	5.1	2.6	15.5	39.8	26.3	17.6	5.8	27.0	20.9	16.7	6.9	59.2	40.9	Q	Q
Mountain	8.5	74.1	32.1	8.4	10.0	7.5	2.7	17.4	55.8	39.0	19.1	5.6	31.4	20.8	16.6	Q	N	N	N	N
Mountain North	4.2	84.0	28.6	10.9	10.6	3.0	2.8	17.7	65.2	44.7	21.7	5.2	44.6	29.3	Q	Q	N	N	N	N
Mountain South	4.3	64.3	35.6	6.7	9.6	11.3	2.6	17.1	43.0	29.8	15.7	6.0	25.4	Q	17.4	5.3	N	N	N	N
Pacific	17.9	53.1	27.6	9.8	11.5	3.8	2.6	14.6	32.4	18.7	16.9	5.9	24.0	21.0	16.7	6.3	59.2	40.9	Q	Q
<b>Census urban/rural classification<sup>5</sup></b>																				
Urban	94.7	75.8	33.7	9.0	10.1	7.1	2.5	16.6	56.9	44.2	17.9	5.8	24.4	28.3	20.1	8.3	69.0	61.0	19.8	Q
Urbanized area	82.2	75.9	33.4	8.6	9.9	7.3	2.5	16.6	56.9	44.2	18.0	5.9	27.0	32.2	22.3	9.7	70.6	62.2	19.9	Q
Urban cluster	12.5	75.2	35.7	11.6	10.9	5.9	2.5	16.9	56.6	44.5	17.4	5.3	17.9	20.7	13.6	3.6	61.4	55.7	19.1	N
Rural	23.5	82.4	48.3	17.7	12.3	7.2	2.9	20.9	68.2	52.6	20.4	7.2	34.3	31.9	17.1	7.0	64.0	57.8	23.1	Q
<b>Metropolitan or micropolitan statistical area</b>																				
In metropolitan statistical area	98.5	76.9	35.3	9.9	10.4	7.2	2.6	17.3	57.6	44.6	18.1	6.0	34.1	34.0	18.7	7.8	67.1	59.5	20.5	25.6
In micropolitan statistical area	12.3	77.2	42.9	15.9	11.9	5.7	2.6	18.1	59.3	48.4	17.2	5.7	24.3	24.0	17.1	6.6	63.0	60.0	18.6	Q
Not in metropolitan or micropolitan statistical area	7.4	79.7	43.1	16.0	12.0	8.0	2.6	18.1	60.4	46.7	20.0	4.6	28.0	29.3	14.2	6.9	71.8	62.4	23.0	Q
<b>Climate region<sup>6</sup></b>																				
Very cold/Cold	42.5	94.2	30.4	11.6	10.7	3.0	2.5	17.4	76.2	59.5	19.7	5.7	35.1	37.7	17.9	5.3	73.4	68.3	20.4	Q
Mixed-humid	33.5	80.7	42.0	14.9	11.9	6.9	2.6	18.5	57.3	43.6	18.4	5.9	35.1	30.5	20.7	12.4	58.8	48.4	21.1	Q
Mixed-dry/Hot-dry	12.7	51.8	26.1	4.4	8.3	7.4	2.6	14.2	30.0	16.0	16.0	6.0	22.9	21.9	18.3	6.1	Q	Q	N	N
Hot-humid	22.8	59.7	47.1	8.0	9.3	15.1	2.7	18.2	35.7	24.9	14.5	7.0	13.5	13.0	12.9	4.9	Q	Q	N	N
Marine	6.7	57.3	32.7	11.6	13.7	1.5	2.7	16.2	37.8	23.4	18.3	4.8	25.4	19.3	15.0	6.3	Q	Q	N	Q

Table CE4.6 Annual household site end-use consumption by fuel in the U.S.—averages, 2015

	Number of housing units (million)		Average site energy consumption <sup>1</sup> (million Btu per household using the fuel and end use)																	
	Total U.S. <sup>2</sup>	Total	Electricity					Natural gas					Propane			Fuel oil/kerosene				
			Total	Space heating <sup>3</sup>	Water heating	Air conditioning	Refrigerators	Other <sup>4</sup>	Total	Space heating <sup>3</sup>	Water heating	Other <sup>4</sup>	Total	Space heating <sup>3</sup>	Water heating	Other <sup>4</sup>	Total	Space heating <sup>3</sup>	Water heating	Other
<b>All homes</b>	118.2	77.1	36.6	11.1	10.7	7.1	2.6	17.4	57.8	45.0	18.1	5.9	31.2	31.0	17.8	7.4	67.3	59.9	20.7	24.4
<b>Housing unit type</b>																				
Single-family detached	73.9	94.6	43.0	13.4	11.5	8.9	3.0	21.0	69.0	52.7	19.3	6.4	34.7	33.9	18.0	8.5	78.4	72.6	20.1	23.4
Single-family attached	7.0	70.0	29.1	8.8	9.5	5.4	2.3	14.0	57.1	43.5	16.4	5.8	28.9	Q	Q	Q	Q	Q	Q	N
Apartments in buildings with 2-4 units	9.4	53.5	23.0	7.8	9.2	3.3	1.8	10.8	43.0	29.9	18.1	6.6	20.5	Q	Q	Q	44.7	33.6	Q	N
Apartments in buildings with 5 or more units	21.1	34.2	20.6	5.2	8.2	2.9	1.7	9.3	22.6	14.2	13.6	3.7	11.5	Q	Q	Q	31.3	16.7	21.5	N
Mobile homes	6.8	59.8	42.9	13.3	13.1	6.2	2.2	16.7	44.8	35.3	18.4	3.5	19.4	16.4	16.6	4.2	35.7	32.1	Q	Q
<b>Ownership of housing unit</b>																				
Owned	74.5	91.6	41.8	13.1	11.2	8.5	3.0	20.5	67.7	51.8	18.6	6.3	33.5	32.7	18.2	8.2	73.4	67.8	19.9	18.5
Single-family	66.2	95.9	42.7	13.4	11.3	8.9	3.1	21.2	69.6	53.1	18.8	6.3	35.8	34.4	18.3	8.7	78.2	72.8	19.8	16.8
Apartments	3.3	52.4	22.3	4.7	6.3	4.3	2.3	11.7	45.2	31.3	17.0	8.2	Q	Q	N	Q	Q	Q	N	
Mobile homes	5.0	61.1	42.5	13.0	12.4	6.4	2.2	16.9	45.3	36.3	15.2	3.8	18.2	17.0	18.4	5.2	36.8	32.9	Q	Q
Rented <sup>7</sup>	43.7	52.4	27.7	8.3	10.0	4.6	1.9	12.3	39.4	29.6	17.1	5.1	19.4	20.8	16.2	3.1	51.0	39.3	22.5	Q
Single-family	14.7	77.4	37.7	11.6	11.4	7.6	2.4	16.9	59.7	45.0	20.5	6.6	21.8	25.5	15.1	3.8	82.2	74.5	Q	Q
Apartments	27.2	38.7	21.2	6.1	8.7	2.8	1.6	9.5	27.6	18.5	15.0	4.2	15.3	Q	18.6	Q	37.9	23.5	22.1	N
Mobile homes	1.8	56.3	44.0	14.0	15.2	5.4	1.9	16.1	42.6	Q	Q	2.3	23.0	Q	Q	Q	Q	Q	N	N
<b>Year of construction</b>																				
Before 1950	20.8	88.7	30.1	11.4	10.7	5.4	2.2	15.4	65.3	53.1	18.2	4.6	34.5	41.6	16.9	4.5	68.7	62.2	21.1	Q
1950 to 1959	12.6	84.4	31.7	10.2	10.2	7.1	2.4	15.4	60.3	49.8	17.2	5.5	26.9	36.7	16.4	5.1	79.9	71.3	20.8	Q
1960 to 1969	12.8	75.0	32.5	11.7	9.4	7.8	2.5	15.5	53.9	43.0	16.3	5.2	26.3	32.0	15.3	Q	63.2	55.0	20.5	Q
1970 to 1979	18.3	70.3	36.7	13.2	10.8	6.8	2.5	16.0	52.2	40.6	16.7	6.0	28.0	29.5	17.0	4.3	64.3	59.7	16.7	Q
1980 to 1989	16.0	65.7	37.5	9.5	9.7	7.3	2.6	17.7	48.0	36.1	17.8	6.8	25.8	23.4	18.4	8.7	58.6	48.5	19.5	Q
1990 to 1999	16.8	78.3	42.3	11.3	11.6	7.9	2.9	20.4	60.2	45.4	19.9	5.5	29.8	27.1	20.7	6.2	62.0	53.5	Q	N
2000 to 2009	17.0	78.2	43.8	10.3	11.4	8.0	3.0	21.1	59.1	39.8	20.5	9.1	40.9	31.2	19.0	12.9	63.6	62.4	25.4	Q
2010 to 2015	3.8	67.0	39.8	9.7	12.0	6.6	2.4	18.4	52.0	37.5	19.8	6.9	31.2	29.0	14.9	6.5	Q	Q	Q	N
<b>Total square footage<sup>8</sup></b>																				
Fewer than 1,000	26.6	40.3	22.6	6.9	9.0	3.4	1.7	10.0	27.6	19.4	14.1	4.0	16.5	16.5	18.2	4.7	33.3	21.4	21.0	Q
1,000 to 1,499	26.1	59.0	34.2	9.8	10.7	6.2	2.2	14.9	44.4	31.8	18.0	5.7	20.0	18.6	16.3	4.1	41.0	32.2	25.5	Q
1,500 to 1,999	17.5	77.8	40.0	12.5	11.4	8.7	2.8	17.5	56.3	41.9	17.6	6.1	25.8	26.6	14.1	5.1	60.4	55.3	15.3	Q
2,000 to 2,499	14.1	89.8	39.6	12.3	11.2	8.1	2.9	19.4	68.3	49.6	19.1	6.7	38.9	37.2	17.5	7.4	68.1	58.5	25.8	Q
2,500 to 2,999	10.8	102.9	41.9	13.8	11.2	8.4	3.0	21.3	74.9	57.9	18.9	5.7	30.3	31.3	17.5	6.1	85.1	78.6	20.4	Q
3,000 or greater	23.1	119.6	48.5	15.9	12.3	9.5	3.4	25.8	85.3	66.1	21.4	7.2	43.3	40.9	20.0	12.1	91.3	86.6	18.9	Q

Table CE4.6 Annual household site end-use consumption by fuel in the U.S.—averages, 2015

	Number of housing units (million)	Average site energy consumption <sup>1</sup> (million Btu per household using the fuel and end use)																			
		Electricity						Natural gas				Propane			Fuel oil/kerosene						
		Total U.S. <sup>2</sup>	Total	Space heating <sup>3</sup>	Water heating	Air conditioning	Refrigerators	Other <sup>4</sup>	Total	Space heating <sup>3</sup>	Water heating	Other <sup>4</sup>	Total	Space heating <sup>3</sup>	Water heating	Other <sup>4</sup>	Total	Space heating <sup>3</sup>	Water heating	Other	
<b>All homes</b>		118.2	77.1	36.6	11.1	10.7	7.1	2.6	17.4	57.8	45.0	18.1	5.9	31.2	31.0	17.8	7.4	67.3	59.9	20.7	24.4
<b>Number of household members</b>																					
1 member		28.7	55.3	25.0	9.4	5.2	5.3	2.1	11.4	44.9	40.5	9.3	4.5	20.4	26.1	10.2	3.9	51.3	50.4	10.0	Q
2 members		42.7	75.6	36.5	11.9	9.1	7.3	2.7	17.2	56.9	46.2	15.3	5.5	30.4	28.8	14.6	8.2	66.4	60.1	17.6	Q
3 members		19.4	84.6	38.8	10.4	12.9	7.5	2.7	18.8	61.2	46.6	21.2	6.3	34.6	34.4	23.7	8.0	75.6	66.1	25.4	Q
4 members		15.5	94.9	45.6	11.4	16.7	8.4	2.8	22.8	67.3	44.9	26.7	7.1	42.6	37.8	30.2	9.8	75.7	62.6	32.6	Q
5 members		7.2	97.1	49.6	13.1	19.1	8.8	2.8	22.9	71.2	50.1	28.9	7.3	56.3	56.5	29.1	7.5	61.6	49.9	Q	Q
6 or more members		4.6	103.8	49.2	12.4	21.8	7.7	2.8	25.2	74.8	45.7	33.6	8.9	28.2	27.0	Q	6.1	99.3	82.8	Q	N
<b>2015 annual household income</b>																					
Less than \$20,000		22.9	57.0	29.2	10.6	9.9	5.3	2.0	12.1	43.2	34.6	15.7	5.5	19.8	24.4	14.0	3.9	53.9	47.0	17.6	Q
\$20,000 to \$39,999		27.3	68.9	33.2	10.5	10.1	6.3	2.4	15.1	54.2	44.1	16.7	4.9	27.0	28.3	20.3	5.7	64.8	57.0	20.2	Q
\$40,000 to \$59,999		18.4	73.6	36.7	10.5	10.7	7.3	2.5	16.9	56.4	43.4	17.4	5.4	28.9	28.9	17.6	4.0	63.6	56.2	26.1	Q
\$60,000 to \$79,999		15.2	80.0	38.3	11.6	11.7	6.9	2.7	18.4	59.1	45.5	18.0	6.4	33.6	31.7	16.1	6.5	72.4	67.3	19.3	N
\$80,000 to \$99,999		9.7	85.4	39.1	10.4	11.5	7.8	3.0	19.4	62.7	47.2	19.2	5.7	44.1	38.7	19.0	8.2	68.5	60.8	18.4	Q
\$100,000 to \$119,999		8.1	90.4	41.7	11.8	11.3	7.9	3.0	20.9	66.0	47.6	20.4	5.7	29.7	30.0	19.8	7.2	78.3	68.4	20.2	N
\$120,000 to \$139,999		5.4	101.7	44.2	12.7	12.5	9.3	3.1	22.6	73.4	55.4	21.7	6.4	35.0	32.1	15.8	8.2	77.8	65.0	Q	Q
\$140,000 or more		11.2	111.2	47.9	14.2	11.2	9.7	3.5	27.2	71.1	53.4	21.4	8.2	46.9	39.7	21.7	17.6	81.5	78.0	23.1	Q
<b>Payment method for energy bills</b>																					
All paid by household		105.8	80.7	38.6	11.5	10.9	7.5	2.7	18.4	61.8	47.5	18.5	6.3	32.5	31.3	17.8	7.7	73.3	67.6	20.0	24.4
Some paid by household, some included in rent or condo fee		6.1	46.4	16.4	6.5	6.4	2.7	1.7	8.5	26.6	21.5	14.7	3.1	16.9	Q	Q	Q	44.1	29.1	22.5	N
All included in rent or condo fee		5.5	44.0	21.4	7.0	9.0	3.6	1.7	9.8	33.9	22.7	15.5	3.4	10.3	Q	Q	Q	Q	Q	Q	N
Some other method		0.9	58.4	29.1	8.9	9.7	4.9	1.8	14.4	48.0	35.6	18.4	Q	Q	Q	Q	Q	Q	Q	Q	N
<b>Main heating fuel</b>																					
Natural gas		57.7	95.7	30.4	5.8	10.7	6.9	2.7	18.6	65.2	46.2	18.4	5.4	8.9	Q	Q	Q	10.3	8.6	Q	Q
Electricity		40.9	51.2	46.5	12.9	10.5	7.5	2.4	15.3	19.7	5.7	15.8	10.5	16.0	9.8	15.9	12.7	20.2	7.2	Q	Q
Fuel oil/kerosene		5.8	111.2	30.2	7.7	11.4	4.1	2.3	17.3	15.7	Q	21.2	6.9	10.6	14.5	Q	5.9	76.2	66.4	20.7	Q
Propane		5.0	93.4	41.1	8.5	11.6	6.4	3.0	24.0	Q	N	Q	Q	51.6	41.0	17.8	4.1	Q	N	Q	N

**Table CE4.6 Annual household site end-use consumption by fuel in the U.S.—averages, 2015**

	Number of housing units (million)	Average site energy consumption <sup>1</sup> (million Btu per household using the fuel and end use)																		
		Electricity						Natural gas				Propane			Fuel oil/kerosene					
		Total U.S. <sup>2</sup>	Total	Space heating <sup>3</sup>	Water heating	Air conditioning	Refrigerators	Other <sup>4</sup>	Total	Space heating <sup>3</sup>	Water heating	Other <sup>4</sup>	Total	Space heating <sup>3</sup>	Water heating	Other <sup>4</sup>	Total	Space heating <sup>3</sup>	Water heating	Other
<b>All homes</b>	118.2	77.1	36.6	11.1	10.7	7.1	2.6	17.4	57.8	45.0	18.1	5.9	31.2	31.0	17.8	7.4	67.3	59.9	20.7	24.4

<sup>1</sup>Consumption and expenditures for biomass (wood), coal, district steam, and solar thermal are excluded. Electricity consumption from on-site solar photovoltaic generation (i.e., solar panels) is included.

<sup>2</sup>Total U.S. includes all primary occupied housing units in the 50 states and District of Columbia. Vacant housing units, seasonal units, second homes, military houses, and group quarters are excluded.

<sup>3</sup>Includes main (primary) and secondary space heating.

<sup>4</sup>Includes end uses not shown in this table. A more detailed breakout of end uses is shown in the Series 5 tables.

<sup>5</sup>Housing units are classified using criteria created by the U.S. Census Bureau based on 2010 Census data. Urbanized areas are densely settled groupings of blocks or tracts with 50,000 or more people. Urban clusters have at least 2,500 but less than 50,000 people. All other areas are rural.

<sup>6</sup>These climate regions were created by the Building America program, sponsored by the U.S. Department of Energy's Office of Energy Efficiency and Renewable Energy (EERE).

<sup>7</sup>Rented includes households that occupy their primary housing units without paying rent.

<sup>8</sup>Total square footage includes all basements, finished or conditioned (heated or cooled) areas of attics, and conditioned garage space that is attached to the home. Unconditioned and unfinished areas in attics and attached garages are excluded. The square footage for some housing units was calculated based on measurements taken by the interviewer. For households responding without the presence of an interviewer, square footage was imputed based on characteristics of the housing unit. See 2015 RECS Square Footage Methodology for full details about data collection and processing.

Q = Data withheld because either the Relative Standard Error (RSE) was greater than 50% or fewer than 10 cases responded.

N = No cases responded.

Notes: Because of rounding, data may not sum to totals. See RECS Terminology for definition of terms used in these tables.

Source: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Forms EIA-457A, C, D, E, F, G of the 2015 Residential Energy Consumption Survey.