

Table CE4.1 Annual household site end-use consumption by fuel in the U.S.—totals, 2015

	Number of housing units (million)	Total site energy consumption ¹																	
		Electricity (billion kWh)						Natural gas (billion cubic feet)				Propane (million gallons)			Fuel oil/kerosene (million gallons)				
		Total U.S. ²	Space heating ³	Water heating	Air conditioning	Refrigerators	Other ⁴	Total	Space heating ³	Water heating	Other ⁴	Total	Space heating ³	Water heating	Other ⁴	Total	Space heating ³	Water heating	Other
All homes	118.2	1,267	187	173	214	89	604	3,963	2,678	1,019	266	3,952	2,549	835	567	3,381	2,891	432	57
Census region and division																			
Northeast	21.0	172	20	21	18	14	99	895	628	206	61	869	572	175	122	2,874	2,451	390	Q
New England	5.6	42	3	6	3	4	27	158	106	42	10	365	239	79	47	1,519	1,322	175	Q
Middle Atlantic	15.4	130	17	15	15	11	72	737	522	164	51	504	333	96	75	1,356	1,129	215	Q
Midwest	26.4	252	39	30	28	20	135	1,508	1,157	297	54	1,166	887	206	73	Q	Q	N	Q
East North Central	18.1	165	25	20	18	14	89	1,115	857	212	45	695	509	Q	53	Q	Q	N	Q
West North Central	8.3	87	14	10	10	6	46	394	300	85	9	471	378	74	20	Q	Q	N	N
South	44.4	618	98	95	140	34	250	772	486	209	77	1,321	828	235	258	371	330	Q	Q
South Atlantic	23.5	316	47	52	70	18	129	385	248	102	35	740	448	118	Q	355	314	Q	Q
East South Central	7.2	105	21	19	18	5	41	117	76	27	14	223	166	37	19	Q	Q	N	N
West South Central	13.8	197	29	24	53	11	80	270	162	81	28	358	214	80	64	Q	Q	N	N
West	26.4	225	30	27	28	20	120	787	407	307	73	595	262	218	115	74	51	Q	Q
Mountain	8.5	80	8	7	15	7	43	375	241	116	18	278	124	100	Q	N	N	N	N
Mountain North	4.2	36	4	3	3	3	22	253	170	75	8	123	Q	Q	Q	N	N	N	N
Mountain South	4.3	45	4	4	12	3	21	122	71	41	10	155	Q	79	29	N	N	N	N
Pacific	17.9	145	22	20	13	14	76	413	167	191	55	317	138	118	61	74	51	Q	Q
Census urban/rural classification⁵																			
Urban	94.7	935	117	116	172	69	461	3,578	2,396	939	242	983	566	222	196	2,296	1,965	300	Q
Urbanized area	82.2	804	95	97	153	60	399	3,151	2,093	837	221	783	423	184	176	1,925	1,634	260	Q
Urban cluster	12.5	131	21	20	19	9	62	427	304	102	22	200	143	38	19	371	331	Q	N
Rural	23.5	332	70	57	42	20	143	385	282	80	23	2,968	1,984	613	372	1,085	926	132	Q
Metropolitan or micropolitan statistical area																			
In metropolitan statistical area	98.5	1,019	134	129	182	74	500	3,503	2,340	919	244	2,700	1,664	644	392	2,494	2,116	330	48
In micropolitan statistical area	12.3	155	35	27	18	9	65	319	235	67	17	552	383	86	82	380	345	Q	Q
Not in metropolitan or micropolitan statistical area	7.4	93	18	17	14	5	39	141	103	33	5	700	502	105	93	Q	Q	71	Q
Climate region⁶																			
Very cold/Cold	42.5	379	53	46	32	31	216	2,253	1,668	481	105	1,919	1,307	437	175	2,200	1,949	215	Q
Mixed-humid	33.5	412	79	63	64	25	181	986	684	236	65	1,490	1,005	209	277	1,156	922	217	Q
Mixed-dry/Hot-dry	12.7	97	6	7	22	10	53	319	117	154	48	162	49	84	29	Q	Q	N	N
Hot-humid	22.8	315	36	44	95	18	122	262	138	88	36	221	99	64	58	Q	Q	N	N
Marine	6.7	64	13	12	2	5	32	143	71	60	12	Q	Q	Q	29	Q	Q	N	Q

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	Number of housing units (million)	Total site energy consumption ¹																	
		Electricity (billion kWh)						Natural gas (billion cubic feet)				Propane (million gallons)			Fuel oil/kerosene (million gallons)				
		Total U.S. ²	Space heating ³	Water heating	Air conditioning	Refrigerators	Other ⁴	Total	Space heating ³	Water heating	Other ⁴	Total	Space heating ³	Water heating	Other ⁴	Total	Space heating ³	Water heating	Other
All homes	118.2	1,267	187	173	214	89	604	3,963	2,678	1,019	266	3,952	2,549	835	567	3,381	2,891	432	57
Housing unit type																			
Single-family detached	73.9	931	133	107	172	65	455	3,117	2,197	727	193	3,439	2,303	645	491	2,841	2,513	276	52
Single-family attached	7.0	60	8	8	10	5	29	270	186	64	20	48	Q	Q	Q	Q	Q	Q	N
Apartments in buildings with 2-4 units	9.4	63	10	11	7	5	30	252	137	90	26	83	Q	Q	Q	172	129	Q	N
Apartments in buildings with 5 or more units	21.1	128	18	27	15	10	58	249	105	122	22	63	Q	Q	Q	223	113	110	N
Mobile homes	6.8	85	17	20	11	4	33	75	53	17	5	319	165	95	59	84	76	Q	Q
Ownership of housing unit																			
Owned	74.5	912	128	106	166	65	447	3,024	2,140	689	194	3,539	2,312	695	532	2,682	2,368	280	35
Single-family	66.2	829	115	90	154	59	411	2,871	2,045	650	177	3,302	2,200	623	479	2,562	2,266	267	30
Apartments	3.3	22	2	3	4	2	11	92	50	28	14	Q	Q	Q	N	Q	Q	Q	N
Mobile homes	5.0	62	12	14	8	3	25	61	46	11	4	224	106	65	53	80	72	Q	Q
Rented ⁷	43.7	355	58	67	48	24	157	939	537	330	71	413	238	140	35	699	523	153	Q
Single-family	14.7	162	27	25	27	10	73	516	339	141	37	185	129	40	16	339	307	Q	Q
Apartments	27.2	169	27	35	19	13	76	409	192	183	34	134	Q	70	Q	355	212	143	N
Mobile homes	1.8	24	5	6	2	1	9	14	Q	Q	1	94	Q	Q	Q	Q	Q	N	N
Year of construction																			
Before 1950	20.8	183	27	22	27	13	94	995	726	219	50	670	506	111	53	1,071	927	138	Q
1950 to 1959	12.6	117	16	13	22	9	57	545	387	126	33	264	171	65	28	675	594	74	Q
1960 to 1969	12.8	122	17	14	24	9	58	444	302	115	27	368	247	83	Q	461	396	43	Q
1970 to 1979	18.3	197	37	29	32	13	86	516	341	142	34	441	322	76	44	451	397	45	Q
1980 to 1989	16.0	176	25	26	30	12	83	364	222	112	30	422	230	90	103	376	303	59	Q
1990 to 1999	16.8	209	29	30	35	14	100	524	347	144	33	695	437	178	80	171	148	Q	N
2000 to 2009	17.0	218	30	31	37	15	105	487	296	139	52	905	516	186	202	164	123	40	Q
2010 to 2015	3.8	45	6	8	7	3	21	88	57	23	7	186	119	47	20	Q	Q	Q	N
Total square footage⁸																			
Fewer than 1,000	26.6	176	29	35	21	13	78	404	201	169	34	279	109	120	50	284	175	98	Q
1,000 to 1,499	26.1	262	42	47	41	17	114	573	340	183	49	422	261	105	56	258	187	68	Q
1,500 to 1,999	17.5	205	33	29	40	14	90	556	370	144	42	496	368	82	45	417	382	27	Q
2,000 to 2,499	14.1	164	22	20	30	12	80	584	410	136	38	764	545	137	82	400	343	47	Q
2,500 to 2,999	10.8	133	19	13	24	10	68	538	397	116	25	403	270	82	51	620	544	67	Q
3,000 or greater	23.1	328	42	30	59	23	174	1,308	959	271	78	1,588	997	308	283	1,402	1,260	126	Q

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	Number of housing units (million)	Total site energy consumption ¹																	
		Electricity (billion kWh)						Natural gas (billion cubic feet)				Propane (million gallons)			Fuel oil/kerosene (million gallons)				
		Total U.S. ²	Space heating ³	Water heating	Air conditioning	Refrigerators	Other ⁴	Total	Space heating ³	Water heating	Other ⁴	Total	Space heating ³	Water heating	Other ⁴	Total	Space heating ³	Water heating	Other
All homes	118.2	1,267	187	173	214	89	604	3,963	2,678	1,019	266	3,952	2,549	835	567	3,381	2,891	432	57
Number of household members																			
1 member	28.7	211	39	21	37	18	96	747	578	126	43	537	388	94	54	548	501	40	Q
2 members	42.7	457	72	55	81	33	215	1,341	962	294	86	1,758	1,153	322	283	1,242	1,076	156	Q
3 members	19.4	221	29	33	37	15	107	728	471	206	51	695	448	145	102	699	578	103	Q
4 members	15.5	207	25	32	34	13	104	634	372	214	48	558	316	157	86	558	461	96	Q
5 members	7.2	105	14	20	16	6	48	296	178	96	21	273	169	80	24	146	118	Q	Q
6 or more members	4.6	67	7	13	9	4	34	217	116	83	18	131	75	Q	20	188	157	Q	N
2015 annual household income																			
Less than \$20,000	22.9	195	38	34	29	13	81	515	319	154	42	452	272	122	58	549	469	62	Q
\$20,000 to \$39,999	27.3	265	42	41	43	19	120	833	579	208	45	691	458	149	84	571	493	62	Q
\$40,000 to \$59,999	18.4	198	30	28	35	13	91	562	382	145	35	509	347	126	35	506	437	Q	Q
\$60,000 to \$79,999	15.2	171	24	25	27	12	82	503	345	125	33	622	434	120	68	576	515	61	N
\$80,000 to \$99,999	9.7	111	14	14	20	8	55	382	263	97	22	361	261	61	39	263	222	35	Q
\$100,000 to \$119,999	8.1	99	14	11	17	7	50	336	228	87	21	325	211	72	43	225	197	28	N
\$120,000 to \$139,999	5.4	70	8	8	13	5	36	256	180	61	16	273	182	46	45	225	188	Q	Q
\$140,000 or more	11.2	157	16	11	30	11	89	576	380	144	52	719	386	138	Q	464	369	87	Q
Payment method for energy bills																			
All paid by household	105.8	1,196	176	163	204	83	570	3,700	2,539	914	248	3,812	2,495	769	549	2,991	2,644	289	57
Some paid by household, some included in rent or condo fee	6.1	29	4	3	4	3	15	129	67	53	9	77	Q	Q	Q	328	206	122	N
All included in rent or condo fee	5.5	34	5	6	5	3	16	113	61	45	7	34	Q	Q	Q	Q	Q	Q	N
Some other method	0.9	7	1	1	1	(*)	4	20	12	7	Q	Q	Q	Q	Q	Q	Q	Q	N
Main heating fuel																			
Natural gas	57.7	514	21	29	103	46	314	3,758	2,663	892	203	29	Q	Q	Q	23	13	Q	Q
Electricity	40.9	557	155	109	81	29	184	132	9	74	48	620	181	157	282	Q	10	Q	Q
Fuel oil/kerosene	5.8	51	3	9	6	4	30	16	Q	9	6	127	42	Q	56	3,223	2,807	381	Q
Propane	5.0	60	4	9	8	4	35	Q	N	Q	Q	2,833	2,249	468	116	Q	N	Q	N

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		Electricity (billion kWh)						Natural gas (billion cubic feet)				Propane (million gallons)			Fuel oil/kerosene (million gallons)				
		Total U.S. ²	Space heating ³	Water heating	Air condi- tioning	Refrig- erators	Other ⁴	Total	Space heating ³	Water heating	Other ⁴	Total	Space heating ³	Water heating	Other ⁴	Total	Space heating ³	Water heating	Other
All homes	118.2	1,267	187	173	214	89	604	3,963	2,678	1,019	266	3,952	2,549	835	567	3,381	2,891	432	57

¹Consumption 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.

²Total 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.

³Includes main (primary) and secondary space heating.

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

⁵Housing 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.

⁶These 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).

⁷Rented includes households that occupy their primary housing units without paying rent.

⁸Total 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.

(*) Number rounds to zero.

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.

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	Number of housing units (million)		Total site energy consumption ¹ (trillion Btu)																	
	Total U.S. ²	Total	Electricity			Natural gas					Propane			Fuel oil/kerosene						
			Total	Space heating ³	Water heating	Air conditioning	Refrigerators	Other ⁴	Total	Space heating ³	Water heating	Other ⁴	Total	Space heating ³	Water heating	Other ⁴	Total	Space heating ³	Water heating	Other
All homes	118.2	9,114	4,324	638	590	731	303	2,062	3,965	2,678	1,019	268	361	233	76	52	464	397	59	8
Census region and division																				
Northeast	21.0	1,984	588	69	72	61	49	338	921	646	212	63	79	52	16	11	395	337	54	Q
New England	5.6	547	144	12	19	9	12	92	161	109	43	10	33	22	7	4	209	182	24	Q
Middle Atlantic	15.4	1,436	444	57	53	51	36	247	760	537	169	53	46	30	9	7	186	155	30	Q
Midwest	26.4	2,486	861	131	102	97	68	462	1,510	1,158	298	54	107	81	19	Q	Q	Q	N	Q
East North Central	18.1	1,755	564	84	68	62	46	304	1,123	863	214	45	64	47	Q	5	Q	Q	N	Q
West North Central	8.3	731	297	47	34	35	22	158	387	294	84	9	43	35	7	2	Q	Q	N	N
South	44.4	3,064	2,107	334	324	479	117	853	785	494	213	79	121	76	21	24	51	45	Q	Q
South Atlantic	23.5	1,584	1,077	161	176	238	61	441	391	252	104	35	68	41	11	Q	49	43	Q	Q
East South Central	7.2	498	357	73	65	61	18	140	119	77	27	15	20	15	3	2	Q	Q	N	N
West South Central	13.8	981	673	100	83	179	38	272	275	165	82	29	33	20	7	6	Q	Q	N	N
West	26.4	1,581	768	103	92	95	69	408	749	380	296	72	54	24	20	10	10	7	Q	Q
Mountain	8.5	631	274	27	26	50	23	148	332	212	103	17	25	11	9	Q	N	N	N	N
Mountain North	4.2	357	121	14	11	9	12	75	224	150	67	7	11	Q	Q	Q	N	N	N	N
Mountain South	4.3	274	152	13	14	41	11	73	108	62	37	9	14	Q	7	3	N	N	N	N
Pacific	17.9	949	494	76	67	45	46	260	416	168	193	55	29	13	11	6	10	7	Q	Q
Census urban/rural classification⁵																				
Urban	94.7	7,181	3,190	398	396	588	235	1,573	3,586	2,400	941	245	90	52	20	18	315	270	41	Q
Urbanized area	82.2	6,239	2,744	325	329	523	204	1,361	3,159	2,097	839	223	72	39	17	16	264	224	36	Q
Urban cluster	12.5	942	446	73	67	64	31	211	426	303	102	22	18	13	3	2	51	45	Q	N
Rural	23.5	1,933	1,134	240	194	143	67	489	379	278	78	23	271	181	56	34	149	127	18	Q
Metropolitan or micropolitan statistical area																				
In metropolitan statistical area	98.5	7,577	3,478	456	441	622	253	1,706	3,511	2,344	920	246	247	152	59	36	343	291	45	7
In micropolitan statistical area	12.3	950	529	120	92	63	32	223	319	234	67	17	50	35	8	8	52	47	Q	Q
Not in metropolitan or micropolitan statistical area	7.4	586	317	61	57	47	19	133	135	99	31	5	64	46	10	8	Q	Q	10	Q
Climate region⁶																				
Very cold/Cold	42.5	4,004	1,292	181	158	109	106	738	2,235	1,656	474	105	175	119	40	16	302	268	30	Q
Mixed-humid	33.5	2,705	1,407	269	215	219	85	619	1,003	696	241	67	136	92	19	25	159	127	30	Q
Mixed-dry/Hot-dry	12.7	660	332	21	23	75	33	181	313	112	153	47	15	4	8	3	Q	Q	N	N
Hot-humid	22.8	1,363	1,074	123	152	323	60	416	268	141	90	37	20	9	6	5	Q	Q	N	N
Marine	6.7	382	218	44	42	5	18	108	146	73	61	12	Q	Q	Q	3	Q	Q	N	Q

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	Total U.S. ²	Total	Electricity					Natural gas					Propane			Fuel oil/kerosene				
			Total	Space heating ³	Water heating	Air conditioning	Refrigerators	Other ⁴	Total	Space heating ³	Water heating	Other ⁴	Total	Space heating ³	Water heating	Other ⁴	Total	Space heating ³	Water heating	Other
All homes	118.2	9,114	4,324	638	590	731	303	2,062	3,965	2,678	1,019	268	361	233	76	52	464	397	59	8
Housing unit type																				
Single-family detached	73.9	6,991	3,177	455	364	586	221	1,552	3,109	2,191	724	194	314	210	59	45	390	345	38	7
Single-family attached	7.0	491	204	29	28	33	16	98	274	189	65	20	4	Q	Q	Q	Q	Q	Q	N
Apartments in buildings with 2-4 units	9.4	503	216	36	36	25	17	102	256	139	91	26	8	Q	Q	Q	24	18	Q	N
Apartments in buildings with 5 or more units	21.1	724	436	61	92	51	35	197	251	106	122	23	6	Q	Q	Q	31	16	15	N
Mobile homes	6.8	406	291	58	70	36	14	113	74	53	17	5	29	15	9	5	11	10	Q	Q
Ownership of housing unit																				
Owned	74.5	6,825	3,113	438	363	566	221	1,525	3,020	2,137	688	195	323	211	64	49	368	325	38	5
Single-family	66.2	6,347	2,828	393	306	525	202	1,402	2,865	2,040	648	177	302	201	57	44	352	311	37	4
Apartments	3.3	175	74	6	9	12	8	39	94	51	29	14	Q	Q	N	Q	Q	Q	Q	N
Mobile homes	5.0	304	211	40	48	28	11	84	61	46	11	4	20	10	6	5	11	10	Q	Q
Rented ⁷	43.7	2,289	1,211	199	227	165	82	537	945	541	331	73	38	22	13	3	96	72	21	Q
Single-family	14.7	1,135	553	91	87	93	35	248	518	340	141	37	17	12	4	1	47	42	Q	Q
Apartments	27.2	1,052	577	91	119	64	44	260	413	195	184	35	12	Q	6	Q	49	29	20	N
Mobile homes	1.8	103	80	18	22	8	3	29	13	Q	Q	1	9	Q	Q	Q	Q	Q	N	N
Year of construction																				
Before 1950	20.8	1,842	624	91	76	92	45	320	1,009	736	223	51	61	46	10	5	147	127	19	Q
1950 to 1959	12.6	1,067	401	54	45	76	30	195	549	389	127	33	24	16	6	3	93	82	10	Q
1960 to 1969	12.8	961	417	58	46	83	31	198	447	304	116	27	34	23	8	Q	63	54	6	Q
1970 to 1979	18.3	1,290	673	127	100	108	45	294	515	339	142	34	40	29	7	4	62	54	6	Q
1980 to 1989	16.0	1,053	601	86	88	102	41	283	362	221	111	30	39	21	8	9	51	42	8	Q
1990 to 1999	16.8	1,317	712	100	102	119	49	343	518	343	142	33	63	40	16	7	23	20	Q	N
2000 to 2009	17.0	1,328	744	102	105	127	51	359	479	290	137	52	83	47	17	18	22	17	6	Q
2010 to 2015	3.8	257	153	21	29	23	9	70	85	55	23	7	17	11	4	2	Q	Q	Q	N
Total square footage⁸																				
Fewer than 1,000	26.6	1,072	601	98	119	72	45	267	406	202	170	34	25	10	11	5	39	24	13	Q
1,000 to 1,499	26.1	1,542	893	144	160	141	58	390	575	341	184	50	39	24	10	5	35	26	9	Q
1,500 to 1,999	17.5	1,359	699	111	98	135	49	306	558	372	144	42	45	34	8	4	57	52	4	Q
2,000 to 2,499	14.1	1,268	559	75	69	101	41	273	584	410	136	38	70	50	13	7	55	47	6	Q
2,500 to 2,999	10.8	1,111	452	65	43	81	32	230	537	396	116	26	37	25	7	5	85	75	9	Q
3,000 or greater	23.1	2,762	1,120	144	102	200	78	595	1,305	957	270	78	145	91	28	26	192	173	17	Q

Table CE4.1 Annual household site end-use consumption by fuel in the U.S.—totals, 2015

	Number of housing units (million)	Total site energy consumption ¹ (trillion Btu)																		
		Electricity						Natural gas					Propane			Fuel oil/kerosene				
		Total U.S. ²	Total	Space heating ³	Water heating	Air conditioning	Refrigerators	Other ⁴	Total	Space heating ³	Water heating	Other ⁴	Total	Space heating ³	Water heating	Other ⁴	Total	Space heating ³	Water heating	Other
All homes	118.2	9,114	4,324	638	590	731	303	2,062	3,965	2,678	1,019	268	361	233	76	52	464	397	59	8
Number of household members																				
1 member	28.7	1,591	720	133	72	127	61	327	747	577	126	43	49	35	9	5	75	69	6	Q
2 members	42.7	3,229	1,558	247	187	277	114	735	1,340	960	293	86	161	105	29	26	171	148	21	Q
3 members	19.4	1,643	754	99	111	127	52	366	729	472	206	51	63	41	13	9	96	79	14	Q
4 members	15.5	1,472	707	86	109	114	44	353	638	374	215	49	51	29	14	8	77	63	13	Q
5 members	7.2	698	357	47	68	56	20	165	296	179	96	21	25	15	7	2	20	16	Q	Q
6 or more members	4.6	481	228	25	43	30	13	117	215	115	82	18	12	7	Q	2	26	22	Q	N
2015 annual household income																				
Less than \$20,000	22.9	1,303	667	130	117	98	44	278	520	323	155	43	41	25	11	5	75	64	9	Q
\$20,000 to \$39,999	27.3	1,882	905	145	140	145	64	411	835	580	209	46	63	42	14	8	78	68	9	Q
\$40,000 to \$59,999	18.4	1,354	675	102	97	121	46	310	564	383	145	36	46	32	12	3	69	60	Q	Q
\$60,000 to \$79,999	15.2	1,218	583	83	86	94	41	280	499	343	123	33	57	40	11	6	79	71	8	N
\$80,000 to \$99,999	9.7	827	379	47	47	68	29	188	379	261	96	22	33	24	6	4	36	31	5	Q
\$100,000 to \$119,999	8.1	733	338	48	39	58	24	169	334	227	86	21	30	19	7	4	31	27	4	N
\$120,000 to \$139,999	5.4	552	240	27	27	46	17	123	256	180	61	16	25	17	4	4	31	26	Q	Q
\$140,000 or more	11.2	1,244	537	55	38	101	39	304	578	381	144	53	66	35	13	Q	64	51	12	Q
Payment method for energy bills																				
All paid by household	105.8	8,540	4,082	601	557	697	282	1,944	3,699	2,537	912	250	348	228	70	50	411	363	40	8
Some paid by household, some included in rent or condo fee	6.1	283	100	14	10	14	10	52	131	68	54	9	7	Q	Q	Q	45	28	17	N
All included in rent or condo fee	5.5	241	117	18	21	16	9	54	114	61	45	7	3	Q	Q	Q	Q	Q	Q	N
Some other method	0.9	50	25	4	3	3	1	12	21	12	8	Q	Q	Q	Q	Q	Q	Q	Q	N
Main heating fuel																				
Natural gas	57.7	5,517	1,753	73	101	352	155	1,073	3,758	2,663	890	205	3	Q	Q	Q	3	2	Q	Q
Electricity	40.9	2,096	1,902	528	371	277	98	627	133	9	75	48	57	17	14	26	Q	1	Q	Q
Fuel oil/kerosene	5.8	645	175	11	31	20	13	101	16	Q	10	6	12	4	Q	5	443	385	52	Q
Propane	5.0	468	206	14	29	28	15	120	Q	N	Q	Q	259	205	43	11	Q	N	Q	N

Table CE4.1 Annual household site end-use consumption by fuel in the U.S.—totals, 2015

	Number of housing units (million)	Total site energy consumption ¹ (trillion Btu)																				
			Electricity					Natural gas					Propane			Fuel oil/kerosene						
			Total U.S. ²	Total	Space heating ³	Water heating	Air condi- tioning	Refrig- erators	Other ⁴	Total	Space heating ³	Water heating	Other ⁴	Total	Space heating ³	Water heating	Other ⁴	Total	Space heating ³	Water heating	Other	
All homes	118.2	9,114	4,324	638	590	731	303	2,062	3,965	2,678	1,019	268	361	233	76	52	464	397	59	8		

¹Consumption 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.

²Total 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.

³Includes main (primary) and secondary space heating.

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

⁵Housing 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.

⁶These 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).

⁷Rented includes households that occupy their primary housing units without paying rent.

⁸Total 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.