

Table CE2.1 Annual household site fuel consumption in the U.S.—totals and averages, 2015

	Number of housing units (million)	Total site energy consumption ¹ (trillion Btu)					Average site energy consumption ¹ (million Btu per household using the fuel)				
		Total U.S. ²	Total	Electricity	Natural gas	Propane	Fuel oil/ kerosene	Total	Electricity	Natural gas	Propane
All homes	118.2	9,114	4,324	3,965	361	464	77.1	36.6	57.8	31.2	67.3
Census region and division											
Northeast	21.0	1,984	588	921	79	395	94.4	28.0	68.7	29.3	73.0
New England	5.6	547	144	161	33	209	97.3	25.6	64.8	24.7	86.1
Middle Atlantic	15.4	1,436	444	760	46	186	93.4	28.9	69.6	33.9	62.4
Midwest	26.4	2,486	861	1,510	107	Q	94.3	32.6	76.8	46.3	39.4
East North Central	18.1	1,755	564	1,123	64	Q	97.0	31.1	81.1	50.1	Q
West North Central	8.3	731	297	387	43	Q	88.3	35.9	66.7	41.6	Q
South	44.4	3,064	2,107	785	121	51	68.9	47.4	46.9	26.5	46.0
South Atlantic	23.5	1,584	1,077	391	68	49	67.5	45.9	50.1	28.5	47.6
East South Central	7.2	498	357	119	20	Q	69.2	49.6	47.0	19.2	Q
West South Central	13.8	981	673	275	33	Q	71.3	48.9	42.9	28.8	Q
West	26.4	1,581	768	749	54	10	59.9	29.1	39.8	27.0	59.2
Mountain	8.5	631	274	332	25	N	74.1	32.1	55.8	31.4	N
Mountain North	4.2	357	121	224	11	N	84.0	28.6	65.2	44.6	N
Mountain South	4.3	274	152	108	14	N	64.3	35.6	43.0	25.4	N
Pacific	17.9	949	494	416	29	10	53.1	27.6	32.4	24.0	59.2
Census urban/rural classification³											
Urban	94.7	7,181	3,190	3,586	90	315	75.8	33.7	56.9	24.4	69.0
Urbanized area	82.2	6,239	2,744	3,159	72	264	75.9	33.4	56.9	27.0	70.6
Urban cluster	12.5	942	446	426	18	51	75.2	35.7	56.6	17.9	61.4
Rural	23.5	1,933	1,134	379	271	149	82.4	48.3	68.1	34.3	64.0

Table CE2.1 Annual household site fuel consumption in the U.S.—totals and averages, 2015

	Number of housing units (million)	Total site energy consumption ¹ (trillion Btu)					Average site energy consumption ¹ (million Btu per household using the fuel)				
		Total U.S. ²	Total	Electricity	Natural gas	Propane	Fuel oil/ kerosene	Total	Electricity	Natural gas	Propane
All homes	118.2	9,114	4,324	3,965	361	464	77.1	36.6	57.8	31.2	67.3
Metropolitan or micropolitan statistical area											
In metropolitan statistical area	98.5	7,577	3,478	3,511	247	343	76.9	35.3	57.6	34.1	67.1
In micropolitan statistical area	12.3	950	529	319	50	52	77.2	42.9	59.3	24.3	63.0
Not in metropolitan or micropolitan statistical area	7.4	586	317	135	64	Q	79.7	43.1	60.1	28.0	71.8
Climate region⁴											
Very cold/Cold	42.5	4,004	1,292	2,235	175	302	94.2	30.4	76.2	35.1	73.4
Mixed-humid	33.5	2,705	1,407	1,003	136	159	80.7	42.0	57.3	35.1	58.8
Mixed-dry/Hot-dry	12.7	660	332	313	15	Q	51.8	26.1	30.0	22.9	Q
Hot-humid	22.8	1,363	1,074	268	20	Q	59.7	47.1	35.6	13.5	Q
Marine	6.7	382	218	146	Q	Q	57.3	32.7	37.8	25.4	Q
Housing unit type											
Single-family detached	73.9	6,991	3,177	3,109	314	390	94.6	43.0	69.0	34.7	78.4
Single-family attached	7.0	491	204	274	4	Q	70.0	29.1	57.1	28.9	Q
Apartments in buildings with 2–4 units	9.4	503	216	256	8	24	53.5	23.0	43.0	20.5	44.7
Apartments in buildings with 5 or more units	21.1	724	436	251	6	31	34.2	20.6	22.6	11.5	31.3
Mobile homes	6.8	406	291	74	29	11	59.8	42.9	44.8	19.4	35.7

Table CE2.1 Annual household site fuel consumption in the U.S.—totals and averages, 2015

	Number of housing units (million)	Total site energy consumption ¹ (trillion Btu)					Average site energy consumption ¹ (million Btu per household using the fuel)				
		Total U.S. ²	Total	Electricity	Natural gas	Propane	Fuel oil/ kerosene	Total	Electricity	Natural gas	Propane
All homes	118.2	9,114	4,324	3,965	361	464	77.1	36.6	57.8	31.2	67.3
Ownership of housing unit											
Owned	74.5	6,825	3,113	3,020	323	368	91.6	41.8	67.7	33.5	73.4
Single-family	66.2	6,347	2,828	2,865	302	352	95.9	42.7	69.6	35.8	78.2
Apartments	3.3	175	74	94	Q	Q	52.4	22.3	45.2	Q	Q
Mobile homes	5.0	304	211	61	20	11	61.1	42.5	45.3	18.2	36.8
Rented ⁵	43.7	2,289	1,211	945	38	96	52.4	27.7	39.3	19.4	51.0
Single-family	14.7	1,135	553	518	17	47	77.4	37.7	59.7	21.8	82.2
Apartments	27.2	1,052	577	413	12	49	38.7	21.2	27.5	15.3	37.9
Mobile homes	1.8	103	80	13	9	Q	56.3	44.0	42.6	23.0	Q
Year of construction											
Before 1950	20.8	1,842	624	1,009	61	147	88.7	30.1	65.3	34.5	68.7
1950 to 1959	12.6	1,067	401	549	24	93	84.4	31.7	60.3	26.9	79.9
1960 to 1969	12.8	961	417	447	34	63	75.0	32.5	53.9	26.3	63.2
1970 to 1979	18.3	1,290	673	515	40	62	70.3	36.7	52.2	28.0	64.3
1980 to 1989	16.0	1,053	601	362	39	51	65.7	37.5	48.0	25.8	58.6
1990 to 1999	16.8	1,317	712	518	63	23	78.3	42.3	60.2	29.8	62.0
2000 to 2009	17.0	1,328	744	479	83	22	78.2	43.8	59.1	40.9	63.6
2010 to 2015	3.8	257	153	85	17	Q	67.0	39.8	51.7	31.2	Q

Table CE2.1 Annual household site fuel consumption in the U.S.—totals and averages, 2015

	Number of housing units (million)	Total site energy consumption ¹ (trillion Btu)					Average site energy consumption ¹ (million Btu per household using the fuel)				
		Total U.S. ²	Total	Electricity	Natural gas	Propane	Fuel oil/ kerosene	Total	Electricity	Natural gas	Propane
All homes	118.2	9,114	4,324	3,965	361	464	77.1	36.6	57.8	31.2	67.3
Total square footage⁶											
Fewer than 1,000	26.6	1,072	601	406	25	39	40.3	22.6	27.5	16.5	33.3
1,000 to 1,499	26.1	1,542	893	575	39	35	59.0	34.2	44.4	20.0	41.0
1,500 to 1,999	17.5	1,359	699	558	45	57	77.8	40.0	56.3	25.8	60.4
2,000 to 2,499	14.1	1,268	559	584	70	55	89.8	39.6	68.3	38.9	68.1
2,500 to 2,999	10.8	1,111	452	537	37	85	102.9	41.9	74.9	30.3	85.1
3,000 or greater	23.1	2,762	1,120	1,305	145	192	119.6	48.5	85.3	43.3	91.3
Number of household members											
1 member	28.7	1,591	720	747	49	75	55.3	25.0	44.8	20.4	51.3
2 members	42.7	3,229	1,558	1,340	161	171	75.6	36.5	56.9	30.4	66.4
3 members	19.4	1,643	754	729	63	96	84.6	38.8	61.2	34.6	75.6
4 members	15.5	1,472	707	638	51	77	94.9	45.6	67.3	42.6	75.7
5 members	7.2	698	357	296	25	20	97.1	49.6	71.2	56.3	61.6
6 or more members	4.6	481	228	215	12	26	103.8	49.2	74.8	28.2	99.3
2015 annual household income											
Less than \$20,000	22.9	1,303	667	520	41	75	57.0	29.2	43.2	19.8	53.9
\$20,000 to \$39,999	27.3	1,882	905	835	63	78	68.9	33.2	54.2	27.0	64.8
\$40,000 to \$59,999	18.4	1,354	675	564	46	69	73.6	36.7	56.4	28.9	63.6
\$60,000 to \$79,999	15.2	1,218	583	499	57	79	80.0	38.3	59.1	33.6	72.4
\$80,000 to \$99,999	9.7	827	379	379	33	36	85.4	39.1	62.7	44.1	68.5
\$100,000 to \$119,999	8.1	733	338	334	30	31	90.4	41.7	66.0	29.7	78.3
\$120,000 to \$139,999	5.4	552	240	256	25	31	101.7	44.2	73.4	35.0	77.8
\$140,000 or more	11.2	1,244	537	578	66	64	111.2	47.9	71.1	46.9	81.5

Table CE2.1 Annual household site fuel consumption in the U.S.—totals and averages, 2015

	Number of housing units (million)	Total site energy consumption ¹ (trillion Btu)					Average site energy consumption ¹ (million Btu per household using the fuel)				
		Total U.S. ²	Total	Electricity	Natural gas	Propane	Fuel oil/ kerosene	Total	Electricity	Natural gas	Propane
All homes	118.2	9,114	4,324	3,965	361	464	77.1	36.6	57.8	31.2	67.3
Payment method for energy bills											
All paid by household	105.8	8,540	4,082	3,699	348	411	80.7	38.6	61.8	32.5	73.3
Some paid by household, some included in rent or condo fee	6.1	283	100	131	7	45	46.4	16.4	26.6	16.9	44.1
All included in rent or condo fee	5.5	241	117	114	3	Q	44.0	21.4	33.9	10.3	Q
Some other method	0.9	50	25	21	Q	Q	58.4	29.1	48.0	Q	Q
Main heating fuel											
Natural gas	57.7	5,517	1,753	3,758	3	3	95.7	30.4	65.2	8.9	10.3
Electricity	40.9	2,096	1,902	133	57	Q	51.2	46.5	19.7	16.0	20.2
Fuel oil/kerosene	5.8	645	175	16	12	443	111.2	30.2	15.7	10.6	76.2
Propane	5.0	468	206	Q	259	Q	93.4	41.1	Q	51.6	Q

Table CE2.1 Annual household site fuel consumption in the U.S.—totals and averages, 2015

	Number of housing units (million)	Total site energy consumption ¹ (trillion Btu)					Average site energy consumption ¹ (million Btu per household using the fuel)				
		Total U.S. ²	Total	Electricity	Natural gas	Propane	Fuel oil/ kerosene	Total	Electricity	Natural gas	Propane
All homes	118.2	9,114	4,324	3,965	361	464	77.1	36.6	57.8	31.2	67.3

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 the District of Columbia. Vacant housing units, seasonal units, second homes, military houses, and group quarters are excluded.

³Housing 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.

⁴These 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).

⁵Rented includes households that occupy their primary housing units without paying rent.

⁶Total 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 CE2.1 Annual household site fuel consumption in the U.S.—totals and averages, 2015

	Number of housing units (million)	Total site energy consumption ¹				Average site energy consumption ¹ (per household using the fuel)			
		Electricity (billion kWh)	Natural gas (billion cf)	Propane (million gallons)	Fuel oil/ kerosene (million gallons)	Electricity (kWh)	Natural gas (ccf)	Propane (gallons)	Fuel oil/ kerosene (gallons)
Total U.S. ²									
All homes	118.2	1,267	3,963	3,952	3,381	10,720	578	341	490
Census region and division									
Northeast	21.0	172	895	869	2,874	8,211	667	321	532
New England	5.6	42	158	365	1,519	7,515	634	271	627
Middle Atlantic	15.4	130	737	504	1,356	8,465	675	372	455
Midwest	26.4	252	1,508	1,166	Q	9,567	768	507	287
East North Central	18.1	165	1,115	695	Q	9,129	805	549	Q
West North Central	8.3	87	394	471	Q	10,524	678	456	Q
South	44.4	618	772	1,321	371	13,895	462	290	335
South Atlantic	23.5	316	385	740	355	13,447	494	312	347
East South Central	7.2	105	117	223	Q	14,536	462	211	Q
West South Central	13.8	197	270	358	Q	14,324	422	316	Q
West	26.4	225	787	595	74	8,525	419	295	434
Mountain	8.5	80	375	278	N	9,416	629	344	N
Mountain North	4.2	36	253	123	N	8,384	737	489	N
Mountain South	4.3	45	122	155	N	10,442	483	278	N
Pacific	17.9	145	413	317	74	8,100	321	263	434
Census urban/rural classification³									
Urban	94.7	935	3,578	983	2,296	9,868	568	268	502
Urbanized area	82.2	804	3,151	783	1,925	9,779	568	295	514
Urban cluster	12.5	131	427	200	371	10,450	568	196	447
Rural	23.5	332	385	2,968	1,085	14,165	692	375	466

Table CE2.1 Annual household site fuel consumption in the U.S.—totals and averages, 2015

	Number of housing units (million)	Total site energy consumption ¹				Average site energy consumption ¹ (per household using the fuel)			
		Electricity (billion kWh)	Natural gas (billion cf)	Propane (million gallons)	Fuel oil/kerosene (million gallons)	Electricity (kWh)	Natural gas (ccf)	Propane (gallons)	Fuel oil/kerosene (gallons)
Total U.S. ²									
All homes	118.2	1,267	3,963	3,952	3,381	10,720	578	341	490
Metropolitan or micropolitan statistical area									
In metropolitan statistical area	98.5	1,019	3,503	2,700	2,494	10,344	574	374	489
In micropolitan statistical area	12.3	155	319	552	380	12,585	593	266	459
Not in metropolitan or micropolitan statistical area	7.4	93	141	700	Q	12,635	628	307	524
Climate region⁴									
Very cold/Cold	42.5	379	2,253	1,919	2,200	8,913	769	384	534
Mixed-humid	33.5	412	986	1,490	1,156	12,302	563	384	428
Mixed-dry/Hot-dry	12.7	97	319	162	Q	7,651	307	251	Q
Hot-humid	22.8	315	262	221	Q	13,805	350	148	Q
Marine	6.7	64	143	Q	Q	9,596	368	278	Q
Housing unit type									
Single-family detached	73.9	931	3,117	3,439	2,841	12,606	692	380	571
Single-family attached	7.0	60	270	48	Q	8,523	562	316	Q
Apartments in buildings with 2–4 units	9.4	63	252	83	172	6,727	423	224	325
Apartments in buildings with 5 or more units	21.1	128	249	63	223	6,040	224	126	228
Mobile homes	6.8	85	75	319	84	12,574	451	212	262

Table CE2.1 Annual household site fuel consumption in the U.S.—totals and averages, 2015

	Number of housing units (million)	Total site energy consumption ¹				Average site energy consumption ¹ (per household using the fuel)			
		Electricity (billion kWh)	Natural gas (billion cf)	Propane (million gallons)	Fuel oil/kerosene (million gallons)	Electricity (kWh)	Natural gas (ccf)	Propane (gallons)	Fuel oil/kerosene (gallons)
Total U.S. ²									
All homes	118.2	1,267	3,963	3,952	3,381	10,720	578	341	490
Ownership of housing unit									
Owned	74.5	912	3,024	3,539	2,682	12,246	678	367	535
Single-family	66.2	829	2,871	3,302	2,562	12,518	697	392	569
Apartments	3.3	22	92	Q	Q	6,528	442	Q	Q
Mobile homes	5.0	62	61	224	80	12,455	454	199	269
Rented ⁵	43.7	355	939	413	699	8,119	391	212	371
Single-family	14.7	162	516	185	339	11,052	594	238	598
Apartments	27.2	169	409	134	355	6,218	273	168	276
Mobile homes	1.8	24	14	94	Q	12,901	439	252	Q
Year of construction									
Before 1950	20.8	183	995	670	1,071	8,807	644	377	500
1950 to 1959	12.6	117	545	264	675	9,293	598	295	581
1960 to 1969	12.8	122	444	368	461	9,531	535	288	460
1970 to 1979	18.3	197	516	441	451	10,757	523	307	468
1980 to 1989	16.0	176	364	422	376	10,987	483	282	428
1990 to 1999	16.8	209	524	695	171	12,411	609	326	452
2000 to 2009	17.0	218	487	905	164	12,838	601	448	464
2010 to 2015	3.8	45	88	186	Q	11,671	534	342	Q

Table CE2.1 Annual household site fuel consumption in the U.S.—totals and averages, 2015

	Number of housing units (million)	Total site energy consumption ¹					Average site energy consumption ¹ (per household using the fuel)			
		Electricity (billion kWh)	Natural gas (billion cf)	Propane (million gallons)	Fuel oil/kerosene (million gallons)	Total U.S. ²	Electricity (kWh)	Natural gas (ccf)	Propane (gallons)	Fuel oil/kerosene (gallons)
All homes	118.2	1,267	3,963	3,952	3,381	10,720	578	341	490	
Total square footage⁶										
Fewer than 1,000	26.6	176	404	279	284	6,627	274	181	243	
1,000 to 1,499	26.1	262	573	422	258	10,015	443	219	298	
1,500 to 1,999	17.5	205	556	496	417	11,716	561	282	440	
2,000 to 2,499	14.1	164	584	764	400	11,604	682	426	496	
2,500 to 2,999	10.8	133	538	403	620	12,271	751	332	620	
3,000 or greater	23.1	328	1,308	1,588	1,402	14,210	855	474	665	
Number of household members										
1 member	28.7	211	747	537	548	7,340	449	223	374	
2 members	42.7	457	1,341	1,758	1,242	10,693	570	333	484	
3 members	19.4	221	728	695	699	11,384	611	378	551	
4 members	15.5	207	634	558	558	13,353	668	466	551	
5 members	7.2	105	296	273	146	14,539	711	616	449	
6 or more members	4.6	67	217	131	188	14,434	756	308	723	

Table CE2.1 Annual household site fuel consumption in the U.S.—totals and averages, 2015

	Number of housing units (million)	Total site energy consumption ¹				Average site energy consumption ¹ (per household using the fuel)			
		Electricity (billion kWh)	Natural gas (billion cf)	Propane (million gallons)	Fuel oil/kerosene (million gallons)	Electricity (kWh)	Natural gas (ccf)	Propane (gallons)	Fuel oil/kerosene (gallons)
Total U.S. ²									
All homes	118.2	1,267	3,963	3,952	3,381	10,720	578	341	490
2015 annual household income									
Less than \$20,000	22.9	195	515	452	549	8,547	427	217	392
\$20,000 to \$39,999	27.3	265	833	691	571	9,716	541	296	472
\$40,000 to \$59,999	18.4	198	562	509	506	10,748	562	316	463
\$60,000 to \$79,999	15.2	171	503	622	576	11,225	596	368	527
\$80,000 to \$99,999	9.7	111	382	361	263	11,470	633	483	499
\$100,000 to \$119,999	8.1	99	336	325	225	12,227	664	325	570
\$120,000 to \$139,999	5.4	70	256	273	225	12,959	734	384	566
\$140,000 or more	11.2	157	576	719	464	14,053	708	513	594
Payment method for energy bills									
All paid by household	105.8	1,196	3,700	3,812	2,991	11,310	618	356	534
Some paid by household, some included in rent or condo fee	6.1	29	129	77	328	4,800	262	185	321
All included in rent or condo fee	5.5	34	113	34	Q	6,274	335	113	Q
Some other method	0.9	7	20	Q	Q	8,532	475	Q	Q
Main heating fuel									
Natural gas	57.7	514	3,758	29	23	8,911	652	98	75
Electricity	40.9	557	132	620	Q	13,619	195	175	147
Fuel oil/kerosene	5.8	51	16	127	3,223	8,847	153	116	555
Propane	5.0	60	Q	2,833	Q	12,053	Q	565	Q

Table CE2.1 Annual household site fuel consumption in the U.S.—totals and averages, 2015

	Number of housing units (million)	Total site energy consumption ¹				Average site energy consumption ¹ (per household using the fuel)			
		Electricity (billion kWh)	Natural gas (billion cf)	Propane (million gallons)	Fuel oil/ kerosene (million gallons)	Electricity (kWh)	Natural gas (ccf)	Propane (gallons)	Fuel oil/ kerosene (gallons)
Total U.S. ²									
All homes	118.2	1,267	3,963	3,952	3,381	10,720	578	341	490

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 the District of Columbia. Vacant housing units, seasonal units, second homes, military houses, and group quarters are excluded.

³Housing 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.

⁴These 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).

⁵Rented includes households that occupy their primary housing units without paying rent.

⁶Total 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.