

Table CE4.4 Annual household site end-use consumption by fuel in the South—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 South 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	44.4	618	98	95	140	34	250	772	486	209	77	1,321	828	235	258	371	330	Q	Q
Census division																			
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
Census urban/rural classification⁵																			
Urban	33.4	440	60	64	108	25	182	681	423	188	69	446	250	97	Q	252	228	Q	Q
Urbanized area	28.1	375	48	54	96	21	157	574	353	160	61	Q	Q	91	Q	244	220	Q	Q
Urban cluster	5.4	65	13	10	13	4	26	107	70	29	9	70	60	Q	Q	Q	Q	N	N
Rural	11.0	178	38	31	32	9	68	91	63	21	8	875	578	138	159	Q	Q	Q	Q
Metropolitan or micropolitan statistical area																			
In metropolitan statistical area	34.7	478	68	71	116	27	196	628	389	173	67	793	469	164	Q	345	304	Q	Q
In micropolitan statistical area	6.3	87	20	14	14	4	33	114	77	28	9	200	144	Q	Q	Q	Q	N	N
Not in metropolitan or micropolitan statistical area	3.4	53	10	9	11	3	20	29	20	8	1	328	215	53	Q	Q	Q	N	N
Climate region⁶																			
Very cold/Cold	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	N	N	N	N	N	N
Mixed-humid	21.3	296	61	50	45	16	123	471	319	113	39	1,083	711	172	200	368	327	Q	Q
Mixed-dry/Hot-dry	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Hot-humid	22.4	312	36	44	94	17	121	261	138	87	36	221	99	64	58	Q	Q	N	N
Marine	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Housing unit type																			
Single-family detached	28.7	454	71	57	113	25	188	661	426	171	64	1,146	726	197	222	355	319	Q	Q
Single-family attached	2.3	25	4	4	5	2	10	40	27	11	3	Q	Q	Q	Q	N	N	N	N
Apartments in buildings with 2-4 units	2.4	21	4	5	4	1	8	26	12	8	5	Q	Q	Q	N	Q	Q	N	N
Apartments in buildings with 5 or more units	7.2	62	9	16	9	4	24	30	11	16	3	Q	N	N	Q	Q	Q	Q	N
Mobile homes	3.9	55	10	13	9	2	20	15	9	Q	2	143	94	Q	Q	Q	Q	N	N

Table CE4.4 Annual household site end-use consumption by fuel in the South—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 South 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	44.4	618	98	95	140	34	250	772	486	209	77	1,321	828	235	258	371	330	Q	Q
Ownership of housing unit																			
Owned	28.5	441	67	57	108	25	184	628	407	159	61	1,200	751	203	246	318	283	Q	Q
Single-family	24.8	392	59	47	99	23	164	611	398	155	58	1,073	671	186	217	315	280	Q	Q
Apartments	0.8	8	(*)	1	2	1	4	Q	Q	Q	Q	Q	Q	N	N	N	N	N	N
Mobile homes	2.9	41	7	9	7	2	16	10	Q	Q	2	127	80	Q	Q	Q	Q	N	N
Rented ⁷	16.0	177	31	38	32	9	66	144	78	50	16	120	77	Q	12	Q	Q	Q	N
Single-family	6.2	87	16	15	19	4	33	91	55	27	9	84	Q	Q	8	Q	Q	N	N
Apartments	8.7	76	12	19	11	4	29	48	20	21	7	Q	N	Q	Q	Q	Q	Q	N
Mobile homes	1.0	14	3	4	2	1	5	Q	Q	Q	Q	Q	Q	N	Q	N	N	N	N
Year of construction																			
Before 1950	3.9	46	9	6	11	2	18	118	84	28	7	93	73	Q	12	Q	Q	Q	N
1950 to 1959	3.6	48	9	7	13	3	17	77	50	19	8	77	Q	Q	Q	Q	Q	Q	N
1960 to 1969	4.5	55	8	6	16	3	21	99	61	27	12	147	Q	Q	Q	Q	Q	N	N
1970 to 1979	7.2	97	20	15	21	5	36	113	71	34	8	88	58	Q	12	118	96	Q	Q
1980 to 1989	7.3	103	15	16	22	6	43	101	63	27	12	171	103	Q	45	Q	Q	N	Q
1990 to 1999	7.7	114	16	20	24	6	48	128	84	35	10	159	119	Q	19	Q	Q	Q	N
2000 to 2009	8.2	126	18	20	27	7	54	104	54	32	18	Q	Q	106	Q	Q	Q	N	N
2010 to 2015	2.0	28	3	6	6	1	12	31	19	8	3	60	Q	Q	5	N	N	N	N
Total square footage⁸																			
Fewer than 1,000	8.5	80	14	19	14	4	29	59	25	25	9	67	Q	Q	10	Q	Q	Q	N
1,000 to 1,499	12.2	154	25	30	31	8	60	123	68	41	13	174	116	Q	Q	Q	Q	Q	N
1,500 to 1,999	8.2	115	19	17	30	7	43	143	92	40	11	197	156	18	23	109	98	Q	Q
2,000 to 2,499	4.9	74	11	10	18	4	31	109	73	27	10	230	151	Q	Q	Q	Q	N	Q
2,500 to 2,999	3.3	56	9	6	14	3	24	93	62	23	9	124	91	Q	18	Q	Q	Q	N
3,000 or greater	7.3	138	20	13	34	8	63	244	166	53	25	Q	291	Q	Q	108	102	Q	N
Number of household members																			
1 member	10.9	104	20	11	26	7	40	141	100	25	16	145	110	20	15	Q	Q	Q	N
2 members	15.9	217	36	29	53	13	88	268	180	61	27	519	321	67	131	88	69	Q	Q
3 members	7.5	112	16	19	26	6	45	148	89	47	13	341	218	58	66	Q	Q	Q	N
4 members	6.0	105	14	19	22	5	45	137	74	49	15	Q	Q	Q	Q	Q	Q	N	N
5 members	2.7	51	8	11	10	2	20	52	29	19	5	Q	Q	Q	Q	Q	Q	N	Q
6 or more members	1.4	28	3	7	5	1	12	25	15	9	1	Q	Q	Q	Q	Q	Q	N	N

Table CE4.4 Annual household site end-use consumption by fuel in the South—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 South 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	44.4	618	98	95	140	34	250	772	486	209	77	1,321	828	235	258	371	330	Q	Q
2015 annual household income																			
Less than \$20,000	9.1	99	19	19	20	5	35	105	60	34	12	164	107	38	18	Q	Q	Q	N
\$20,000 to \$39,999	11.1	138	23	24	29	8	54	150	94	42	14	204	153	Q	21	60	60	N	N
\$40,000 to \$59,999	7.7	107	18	17	25	6	41	138	90	37	11	127	77	Q	13	Q	Q	N	N
\$60,000 to \$79,999	5.0	72	11	12	16	4	29	70	45	19	7	179	116	Q	Q	Q	Q	Q	N
\$80,000 to \$99,999	3.3	52	7	7	13	3	21	67	43	17	7	92	70	Q	Q	Q	Q	Q	N
\$100,000 to \$119,999	2.6	42	6	6	10	3	17	57	37	16	4	49	Q	Q	Q	Q	Q	Q	N
\$120,000 to \$139,999	1.7	31	4	4	8	2	14	36	26	8	2	112	70	Q	Q	Q	Q	N	Q
\$140,000 or more	3.9	76	10	6	18	4	38	148	92	36	20	Q	Q	Q	Q	Q	Q	Q	Q
Payment method for energy bills																			
All paid by household	41.8	595	93	92	136	33	242	740	473	193	74	1,300	828	219	253	364	326	Q	Q
Some paid by household, some included in rent or condo fee	0.8	8	2	1	2	(*)	3	10	4	5	1	Q	N	Q	Q	Q	Q	N	N
All included in rent or condo fee	1.5	11	2	2	2	1	4	18	8	9	1	N	N	N	N	N	N	N	N
Some other method	0.4	3	1	Q	1	(*)	1	Q	Q	Q	Q	Q	N	Q	Q	Q	Q	Q	N
Main heating fuel																			
Natural gas	13.7	173	6	9	53	12	93	713	482	180	51	Q	N	Q	Q	Q	Q	Q	N
Electricity	24.9	369	88	71	69	18	124	53	3	25	24	408	101	109	198	Q	Q	Q	Q
Fuel oil/kerosene	0.8	10	1	2	2	1	4	Q	Q	N	Q	Q	Q	N	Q	343	313	Q	Q
Propane	1.9	27	2	4	5	2	14	N	N	N	N	882	720	115	48	N	N	N	N

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 South includes all primary occupied housing units in the South Census Region. 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.

(*) 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.

Table CE4.4 Annual household site end-use consumption by fuel in the South—totals, 2015

	Number of housing units (million)		Total site energy consumption ¹ (trillion Btu)																	
	Total South 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	44.4	3,064	2,107	334	324	479	117	853	785	494	213	79	121	76	21	24	51	45	Q	Q
Census division																				
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
Census urban/rural classification⁵																				
Urban	33.4	2,267	1,500	205	217	370	85	621	692	430	191	71	41	23	9	Q	35	31	Q	Q
Urbanized area	28.1	1,930	1,279	162	184	326	73	534	583	359	162	62	Q	Q	8	Q	34	30	Q	Q
Urban cluster	5.4	336	220	43	33	44	12	87	109	71	29	9	6	5	Q	Q	Q	Q	N	N
Rural	11.0	797	607	129	107	109	31	232	93	64	21	8	80	53	13	15	Q	Q	Q	Q
Metropolitan or micropolitan statistical area																				
In metropolitan statistical area	34.7	2,391	1,632	231	243	395	93	670	639	395	176	68	72	43	15	Q	47	42	Q	Q
In micropolitan statistical area	6.3	432	295	69	49	48	15	114	116	78	28	10	18	13	Q	Q	Q	Q	N	N
Not in metropolitan or micropolitan statistical area	3.4	240	180	34	32	36	9	69	30	20	9	1	30	20	5	Q	Q	Q	N	N
Climate region⁶																				
Very cold/Cold	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	N	N	N	N	N	N
Mixed-humid	21.3	1,636	1,010	208	171	155	55	421	477	323	114	40	99	65	16	18	51	45	Q	Q
Mixed-dry/Hot-dry	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Hot-humid	22.4	1,352	1,065	123	150	321	59	412	266	141	89	37	20	9	6	5	Q	Q	N	N
Marine	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Housing unit type																				
Single-family detached	28.7	2,373	1,549	243	194	385	87	640	671	432	174	65	105	66	18	20	49	44	Q	Q
Single-family attached	2.3	129	86	13	15	19	5	33	42	28	11	3	Q	Q	Q	Q	N	N	N	N
Apartments in buildings with 2-4 units	2.4	101	73	14	15	13	4	27	26	13	8	5	Q	Q	Q	N	Q	Q	N	N
Apartments in buildings with 5 or more units	7.2	244	212	30	55	32	12	83	30	11	16	3	Q	N	N	Q	Q	Q	Q	N
Mobile homes	3.9	216	187	34	44	30	9	69	16	10	Q	3	13	9	Q	Q	Q	Q	N	N

Table CE4.4 Annual household site end-use consumption by fuel in the South—totals, 2015

	Number of housing units (million)		Total site energy consumption ¹ (trillion Btu)																	
	Total South ²	Total	Electricity					Natural gas				Propane			Fuel oil/keresene					
			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	44.4	3,064	2,107	334	324	479	117	853	785	494	213	79	121	76	21	24	51	45	Q	Q
Ownership of housing unit																				
Owned	28.5	2,295	1,504	227	195	369	86	626	637	413	162	62	110	69	19	22	44	39	Q	Q
Single-family	24.8	2,099	1,338	201	159	339	77	561	620	404	157	59	98	61	17	20	43	38	Q	Q
Apartments	0.8	33	26	1	4	6	2	12	Q	Q	Q	Q	Q	Q	N	N	N	N	N	N
Mobile homes	2.9	163	140	24	32	24	7	53	10	Q	Q	2	12	7	Q	Q	Q	Q	N	N
Rented ⁷	16.0	769	603	107	129	109	31	227	147	80	51	16	11	7	Q	1	Q	Q	Q	N
Single-family	6.2	403	297	55	50	64	15	113	93	56	28	9	8	Q	Q	1	Q	Q	Q	N
Apartments	8.7	312	259	42	66	39	14	98	49	20	22	7	Q	N	Q	Q	Q	Q	Q	N
Mobile homes	1.0	53	46	10	12	6	2	16	Q	Q	Q	Q	Q	Q	N	Q	N	N	N	N
Year of construction																				
Before 1950	3.9	299	158	30	19	38	8	61	121	85	29	7	8	7	Q	1	Q	Q	Q	N
1950 to 1959	3.6	259	165	30	22	45	9	59	78	51	20	8	7	Q	Q	Q	Q	Q	Q	N
1960 to 1969	4.5	308	188	26	22	56	11	73	101	62	27	12	13	Q	Q	Q	Q	Q	N	N
1970 to 1979	7.2	470	331	67	50	72	18	124	114	72	34	8	8	5	Q	1	16	13	Q	Q
1980 to 1989	7.3	473	350	52	55	76	20	147	103	64	27	12	16	9	Q	4	Q	Q	N	Q
1990 to 1999	7.7	538	390	55	67	81	21	165	130	85	35	10	14	11	Q	2	Q	Q	Q	N
2000 to 2009	8.2	585	431	62	69	92	24	183	106	55	32	18	Q	Q	10	Q	Q	Q	N	N
2010 to 2015	2.0	132	95	11	19	19	5	40	32	20	8	4	5	Q	Q	(*)	N	N	N	N
Total square footage⁸																				
Fewer than 1,000	8.5	340	273	46	64	48	15	101	60	25	25	10	6	Q	Q	1	Q	Q	Q	N
1,000 to 1,499	12.2	670	524	85	102	105	27	205	125	70	42	14	16	11	Q	Q	Q	Q	Q	N
1,500 to 1,999	8.2	573	394	64	58	101	23	147	146	94	41	12	18	14	2	2	15	13	Q	Q
2,000 to 2,499	4.9	391	253	38	35	62	14	104	111	74	28	10	21	14	Q	Q	Q	Q	N	Q
2,500 to 2,999	3.3	307	190	31	20	47	11	82	95	63	23	9	11	8	Q	2	Q	Q	Q	N
3,000 or greater	7.3	783	472	70	46	115	27	215	248	168	54	25	Q	27	Q	Q	15	14	Q	N
Number of household members																				
1 member	10.9	526	356	69	38	88	23	138	144	102	26	16	13	10	2	1	Q	Q	Q	N
2 members	15.9	1,074	742	122	97	180	44	299	272	183	62	28	47	29	6	12	12	10	Q	Q
3 members	7.5	572	382	56	64	88	21	153	150	90	47	13	31	20	5	6	Q	Q	Q	N
4 members	6.0	526	359	48	65	74	17	155	140	75	50	15	Q	Q	Q	Q	Q	Q	N	N
5 members	2.7	237	174	28	37	34	7	67	53	29	19	5	Q	Q	Q	Q	Q	Q	N	Q
6 or more members	1.4	128	94	11	22	16	4	40	26	15	9	1	Q	Q	Q	Q	Q	Q	N	N

Table CE4.4 Annual household site end-use consumption by fuel in the South—totals, 2015

	Number of housing units (million)	Total site energy consumption ¹ (trillion Btu)	Total site energy consumption ¹																		
			Electricity						Natural gas				Propane			Fuel oil/kerosene					
			Total South 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	44.4	3,064	2,107	334	324	479	117	853	785	494	213	79	121	76	21	24	51	45	Q	Q	
2015 annual household income																					
Less than \$20,000	9.1	469	337	64	66	69	18	121	108	61	35	12	15	10	3	2	Q	Q	Q	N	
\$20,000 to \$39,999	11.1	651	472	80	81	99	27	184	153	96	43	14	19	14	Q	2	8	8	N	N	
\$40,000 to \$59,999	7.7	521	364	62	57	85	19	141	140	91	37	11	12	7	Q	1	Q	Q	N	N	
\$60,000 to \$79,999	5.0	341	247	38	41	56	13	99	72	45	19	7	16	11	Q	Q	Q	Q	Q	N	
\$80,000 to \$99,999	3.3	256	177	25	24	46	10	72	67	43	18	7	8	6	Q	Q	Q	Q	Q	N	
\$100,000 to \$119,999	2.6	215	143	20	20	36	9	59	58	38	16	5	5	Q	Q	Q	Q	Q	Q	N	
\$120,000 to \$139,999	1.7	159	107	13	15	27	6	46	37	26	8	3	10	6	Q	Q	Q	Q	N	Q	
\$140,000 or more	3.9	452	260	33	20	61	15	131	150	93	37	20	Q	Q	Q	Q	Q	Q	Q	Q	
Payment method for energy bills																					
All paid by household	41.8	2,953	2,032	318	313	463	112	826	752	480	197	76	119	76	20	23	50	45	Q	Q	
Some paid by household, some included in rent or condo fee	0.8	37	26	8	3	6	2	9	10	4	5	1	Q	N	Q	Q	Q	Q	N	N	
All included in rent or condo fee	1.5	56	38	6	7	7	2	14	19	9	9	1	N	N	N	N	N	N	N	N	
Some other method	0.4	17	11	3	Q	2	1	4	Q	Q	Q	Q	Q	N	Q	Q	Q	Q	Q	N	
Main heating fuel																					
Natural gas	13.7	1,318	591	20	32	181	40	318	725	490	183	52	Q	N	Q	Q	Q	Q	Q	N	
Electricity	24.9	1,354	1,260	301	241	234	62	422	54	3	26	25	37	9	10	18	Q	Q	Q	Q	
Fuel oil/kerosene	0.8	82	34	2	8	6	2	15	Q	Q	N	Q	Q	Q	N	Q	47	43	Q	Q	
Propane	1.9	173	92	5	15	17	6	49	N	N	N	N	81	66	10	4	N	N	N	N	

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 South includes all primary occupied housing units in the South Census Region. 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.
 (*) 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.