

Data release date: June 2023

Revised data release date: March 2024

**Table CE5.4 Detailed household natural gas and propane end-use consumption—averages, 2020**

Average site energy consumption  
(million Btu per household using the end use)

	Natural gas				Propane					
	Space heating <sup>a</sup>	Water heating	Clothes dryers <sup>b</sup>	Cooking <sup>c</sup>	Pool heaters	Hot tub heaters	Space heating <sup>a</sup>	Water heating	Clothes dryers <sup>b</sup>	Cooking <sup>c</sup>
<b>All homes</b>	44.90	18.15	2.06	2.02	39.34	3.93	35.70	16.67	1.88	2.09
<b>Census region and division</b>										
Northeast	52.35	19.91	2.00	2.19	47.41	3.43	38.69	17.94	2.07	2.22
New England	49.93	19.56	2.23	2.42	Q	3.36	35.59	17.25	1.68	2.35
Middle Atlantic	52.97	20.00	1.96	2.14	47.60	3.45	40.34	18.43	2.24	2.15
Midwest	62.85	17.01	1.98	2.02	39.26	3.82	56.79	17.17	1.98	2.36
East North Central	65.06	16.85	1.94	2.02	38.61	3.54	59.83	16.89	2.01	2.56
West North Central	57.63	17.40	2.13	2.05	Q	4.30	52.23	17.69	1.89	2.02
South	33.73	16.62	2.22	1.86	43.02	4.11	17.65	15.49	1.77	1.97
South Atlantic	37.36	16.93	2.34	1.99	48.18	4.55	17.19	15.17	1.68	1.87
East South Central	38.79	17.22	2.72	2.16	Q	3.41	17.54	16.29	Q	2.35
West South Central	27.35	16.13	2.06	1.68	37.64	3.95	19.03	15.57	1.92	1.96
West	29.70	19.31	2.12	2.03	32.72	4.01	30.15	16.57	1.55	1.79
Mountain	40.71	18.75	2.09	2.07	34.54	3.75	41.96	17.13	1.54	1.59
Mountain North	51.85	20.32	2.78	2.13	Q	Q	54.49	17.36	Q	1.75
Mountain South	24.71	16.66	1.76	2.02	27.73	3.65	25.59	16.97	Q	1.49
Pacific	23.57	19.57	2.13	2.02	31.48	4.12	21.80	16.19	1.55	1.89
<b>Census urban/rural classification<sup>d</sup></b>										
Urban	44.22	18.18	2.04	2.03	37.87	3.79	23.29	16.57	1.67	1.90
Urbanized area	43.64	18.23	2.03	2.03	38.18	3.77	24.64	16.88	1.68	1.88
Urban cluster	49.10	17.66	2.12	2.05	Q	4.21	20.06	15.60	1.64	1.93
Rural	51.73	17.86	2.36	1.92	48.44	4.83	39.58	16.71	1.95	2.16
<b>Climate region<sup>e</sup></b>										

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Average site energy consumption  
(million Btu per household using the end use)

	Natural gas						Propane			
	Space heating <sup>a</sup>	Water heating	Clothes dryers <sup>b</sup>	Cooking <sup>c</sup>	Pool heaters	Hot tub heaters	Space heating <sup>a</sup>	Water heating	Clothes dryers <sup>b</sup>	Cooking <sup>c</sup>
<b>All homes</b>	44.90	18.15	2.06	2.02	39.34	3.93	35.70	16.67	1.88	2.09
Very cold and Cold	60.75	18.27	2.02	2.11	45.66	3.61	50.88	17.16	1.96	2.29
Mixed-humid	44.01	18.46	2.11	2.10	54.75	4.11	23.63	17.80	1.83	2.08
Mixed-dry and Hot-dry	19.01	17.60	2.09	1.88	30.24	3.71	25.34	16.35	1.61	1.65
Hot-humid	20.80	15.26	2.14	1.65	33.91	3.99	12.46	13.90	1.98	1.82
Marine	30.24	22.34	2.07	2.22	Q	5.35	18.71	15.10	Q	1.88
<b>Housing unit type</b>										
Single-family detached	51.71	18.93	2.14	2.02	39.46	3.94	38.27	17.00	1.93	2.18
Single-family attached	38.94	18.03	1.73	1.97	Q	2.07	22.80	18.24	2.09	2.96
Apartments in buildings with 2–4 units	34.74	18.31	1.56	2.18	N	Q	8.47	16.30	Q	1.38
Apartments in buildings with 5 or more units	15.47	14.84	1.71	2.06	N	4.11	9.25	13.50	N	1.65
Mobile homes	34.60	16.08	2.15	1.64	Q	Q	26.76	15.00	1.64	1.63
<b>Ownership of housing unit</b>										
Owned	50.39	18.56	2.06	2.02	39.51	3.93	36.50	16.61	1.92	2.12
Single-family	51.83	18.76	2.09	2.03	39.52	3.86	37.83	16.79	1.96	2.21
Apartments	31.64	16.03	1.43	1.98	N	Q	Q	Q	N	Q
Mobile homes	33.24	16.42	2.03	1.69	Q	Q	26.62	15.07	1.49	1.62
Rented <sup>f</sup>	28.65	17.13	2.06	2.04	Q	3.93	28.86	17.06	1.59	1.80
Single-family	41.00	19.49	2.24	1.91	Q	Q	40.25	20.51	1.69	1.97
Apartments	20.74	16.06	1.75	2.14	N	3.74	8.70	14.59	Q	1.55
Mobile homes	40.71	14.53	Q	1.42	N	N	27.50	Q	Q	1.73
<b>Year of construction</b>										
Before 1950	57.42	17.73	1.93	2.09	42.54	3.24	50.78	15.33	2.06	2.23

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	Natural gas						Propane			
	Space heating <sup>a</sup>	Water heating	Clothes dryers <sup>b</sup>	Cooking <sup>c</sup>	Pool heaters	Hot tub heaters	Space heating <sup>a</sup>	Water heating	Clothes dryers <sup>b</sup>	Cooking <sup>c</sup>
<b>All homes</b>	44.90	18.15	2.06	2.02	39.34	3.93	35.70	16.67	1.88	2.09
1950 to 1959	48.77	17.18	1.90	1.93	28.25	3.67	46.70	13.86	2.21	2.17
1960 to 1969	44.58	17.15	2.22	2.12	32.65	Q	35.80	15.44	1.48	1.78
1970 to 1979	42.63	18.07	2.24	2.05	33.75	3.88	45.49	15.79	1.79	2.02
1980 to 1989	37.76	17.51	2.07	1.87	39.96	4.25	32.09	16.48	1.76	1.99
1990 to 1999	42.43	19.39	2.20	2.02	41.72	3.87	32.68	18.19	1.71	2.01
2000 to 2009	38.51	20.51	2.16	2.02	42.40	3.77	23.41	18.63	2.10	2.10
2010 to 2015	31.63	17.85	1.91	2.10	42.98	3.66	22.25	16.87	1.93	2.04
2016 to 2020	31.81	17.01	1.74	1.86	41.76	5.77	19.89	14.91	Q	2.63
<b>Total square footage<sup>e</sup></b>										
Less than 1,000	22.99	15.78	1.67	1.90	N	4.33	19.75	14.64	1.49	1.59
1,000 to 1,499	35.78	17.45	1.95	2.08	23.70	3.56	28.90	15.84	1.93	2.05
1,500 to 1,999	45.04	18.20	2.12	1.95	27.49	3.59	28.84	16.00	1.93	2.21
2,000 to 2,499	50.24	17.99	2.13	2.07	39.01	3.90	39.95	16.71	1.84	2.09
2,500 to 2,999	55.74	19.31	2.04	2.05	37.68	3.72	42.70	17.45	1.73	2.36
3,000 or more	68.05	21.49	2.29	2.13	43.87	4.09	46.35	17.96	2.02	2.14
<b>Number of household members</b>										
1 member	38.71	12.72	1.23	1.63	20.16	3.02	33.84	11.36	1.31	1.57
2 members	47.13	16.83	1.84	2.02	40.51	4.10	35.01	15.92	1.71	2.13
3 members	45.67	20.59	2.16	2.19	45.95	4.49	37.81	20.05	2.53	2.31
4 members	47.18	23.50	2.66	2.25	37.77	3.52	39.20	23.02	2.36	2.48
5 members	46.21	24.81	2.94	2.35	34.99	2.69	36.56	22.56	2.25	2.15
6 or more members	50.89	27.10	3.31	2.30	35.68	Q	40.19	23.39	Q	2.40
<b>2020 annual household income</b>										
Less than \$5,000	35.95	18.02	2.29	1.86	N	Q	35.37	14.93	Q	1.46

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	Natural gas					Propane				
	Space heating <sup>a</sup>	Water heating	Clothes dryers <sup>b</sup>	Cooking <sup>c</sup>	Pool heaters	Hot tub heaters	Space heating <sup>a</sup>	Water heating	Clothes dryers <sup>b</sup>	Cooking <sup>c</sup>
<b>All homes</b>	44.90	18.15	2.06	2.02	39.34	3.93	35.70	16.67	1.88	2.09
\$5,000 to \$9,999	36.38	15.93	1.44	1.74	N	Q	20.49	13.15	Q	1.75
\$10,000 to \$19,999	37.45	16.52	1.49	1.70	Q	Q	32.90	13.82	Q	1.82
\$20,000 to \$39,999	40.66	16.58	1.88	1.85	31.89	4.55	34.59	15.05	1.60	1.87
\$40,000 to \$59,999	42.50	16.75	1.92	1.92	38.24	3.24	36.17	15.49	2.00	2.17
\$60,000 to \$99,999	44.63	18.11	2.10	2.05	38.96	3.80	34.69	17.63	2.05	2.15
\$100,000 to \$149,999	46.67	18.98	2.18	2.27	34.90	3.61	39.47	18.84	1.79	2.36
\$150,000 or more	55.78	21.44	2.27	2.19	41.29	4.20	39.98	17.82	2.11	2.23
<b>Payment method for energy bills</b>										
All paid by household	46.53	18.41	2.06	2.01	39.04	3.96	36.09	16.74	1.88	2.10
Some paid by household, some included in rent or condo fee	24.07	15.83	1.91	2.25	Q	Q	24.16	15.04	Q	1.24
All included in rent or condo fee	27.84	15.32	2.16	1.78	N	Q	19.36	17.22	Q	2.08
Some other method	68.79	19.10	Q	3.17	N	N	N	Q	N	Q

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	Natural gas					Propane				
	Space heating <sup>a</sup>	Water heating	Clothes dryers <sup>b</sup>	Cooking <sup>c</sup>	Pool heaters	Hot tub heaters	Space heating <sup>a</sup>	Water heating	Clothes dryers <sup>b</sup>	Cooking <sup>c</sup>
<b>All homes</b>	44.90	18.15	2.06	2.02	39.34	3.93	35.70	16.67	1.88	2.09

Data source: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Forms EIA-457A, D, E, F, G of the *2020 Residential Energy Consumption Survey*

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

Btu = British thermal units

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

<sup>b</sup> *Clothes dryers* excludes electricity used for controls and spinning the drum.

<sup>c</sup> *Cooking* includes ranges (units with both a cooktop and an oven), separate cooktops, and separate ovens. Microwaves, small kitchen appliances, and outdoor cooking are excluded.

<sup>d</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>e</sup> The Building America program, sponsored by the U.S. Department of Energy's Office of Energy Efficiency and Renewable Energy (EERE), created these climate regions. We combined climate regions for this publication. The Subarctic region is included with data for *Very-cold and Cold*.

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

<sup>g</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 of the home is based on respondent reports. Previous RECS cycles calculated square footage based on interviewer measurements. For households that did not report an exact square footage estimate, the square footage of the home was imputed based on a reported square footage range and/or characteristics of the home. See *2020 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 households in reporting sample.

N = No households in reporting sample.

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	Natural gas (hundred cubic feet per household using the end use)					Propane (gallons per household using the end use)				
	Space heating <sup>a</sup>	Water heating	Clothes dryers <sup>b</sup>	Cooking <sup>c</sup>	Pool heaters	Hot tub heaters	Space heating <sup>a</sup>	Water heating	Clothes dryers <sup>b</sup>	Cooking <sup>c</sup>
<b>All homes</b>	446	181	20	20	391	39	390	182	21	23
<b>Census region and division</b>										
Northeast	513	194	20	21	464	33	423	196	23	24
New England	488	191	22	24	Q	33	389	189	18	26
Middle Atlantic	519	195	19	21	465	33	441	202	24	23
Midwest	617	167	19	20	384	38	621	188	22	26
East North Central	636	165	19	20	378	35	654	185	22	28
West North Central	570	172	21	20	Q	42	571	193	21	22
South	334	165	22	18	424	40	193	169	19	22
South Atlantic	367	166	23	19	472	45	188	166	18	20
East South Central	383	170	27	21	Q	34	192	178	Q	26
West South Central	277	162	21	17	373	39	208	170	21	21
West	312	197	21	21	335	40	330	181	17	20
Mountain	458	208	23	23	367	40	459	187	17	17
Mountain North	584	228	31	24	Q	Q	596	190	Q	19
Mountain South	278	181	19	22	290	39	280	186	Q	16
Pacific	231	192	21	20	313	41	238	177	17	21
<b>Census urban/rural classification<sup>d</sup></b>										
Urban	439	181	20	20	377	38	255	181	18	21
Urbanized area	433	181	20	20	380	37	269	185	18	21
Urban cluster	494	178	21	21	Q	43	219	171	18	21
Rural	518	179	24	19	479	48	433	183	21	24
<b>Climate region<sup>e</sup></b>										
Very cold and Cold	607	184	20	21	455	36	556	188	21	25

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	Natural gas (hundred cubic feet per household using the end use)					Propane (gallons per household using the end use)				
	Space heating <sup>a</sup>	Water heating	Clothes dryers <sup>b</sup>	Cooking <sup>c</sup>	Pool heaters	Hot tub heaters	Space heating <sup>a</sup>	Water heating	Clothes dryers <sup>b</sup>	Cooking <sup>c</sup>
<b>All homes</b>	446	181	20	20	391	39	390	182	21	23
Mixed-humid	433	181	21	21	537	40	258	195	20	23
Mixed-dry and Hot-dry	196	177	21	19	308	37	277	179	18	18
Hot-humid	206	151	21	16	334	39	136	152	22	20
Marine	289	215	20	21	Q	51	205	165	Q	21
<b>Housing unit type</b>										
Single-family detached	515	189	21	20	393	39	418	186	21	24
Single-family attached	385	178	17	19	Q	20	249	199	23	32
Apartments in buildings with 2–4 units	342	180	15	21	N	Q	93	178	Q	15
Apartments in buildings with 5 or more units	153	147	17	20	N	40	101	148	N	18
Mobile homes	352	164	22	17	Q	Q	293	164	18	18
<b>Ownership of housing unit</b>										
Owned	501	185	20	20	393	39	399	182	21	23
Single-family	516	187	21	20	393	38	414	184	21	24
Apartments	311	158	14	19	N	Q	Q	Q	N	Q
Mobile homes	338	167	20	17	Q	Q	291	165	16	18
Rented <sup>f</sup>	284	170	21	20	Q	39	316	187	17	20
Single-family	408	194	22	19	Q	Q	440	224	18	22
Apartments	205	159	17	21	N	36	95	160	Q	17
Mobile homes	416	149	Q	14	N	N	301	Q	Q	19
<b>Year of construction</b>										
Before 1950	565	174	19	20	418	31	555	168	23	24
1950 to 1959	483	170	19	19	277	36	511	152	24	24
1960 to 1969	441	169	22	21	321	Q	391	169	16	19

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	Space heating <sup>a</sup>	Water heating	Clothes dryers <sup>b</sup>	Cooking <sup>c</sup>	Pool heaters	Hot tub heaters	Space heating <sup>a</sup>	Water heating	Clothes dryers <sup>b</sup>	Cooking <sup>c</sup>
<b>All homes</b>	446	181	20	20	391	39	390	182	21	23
1970 to 1979	426	180	22	20	342	38	497	173	20	22
1980 to 1989	378	175	21	19	392	42	351	180	19	22
1990 to 1999	425	194	22	20	414	38	357	199	19	22
2000 to 2009	387	206	22	20	428	38	256	204	23	23
2010 to 2015	318	180	19	21	431	36	243	184	21	22
2016 to 2020	320	171	18	19	419	58	218	163	Q	29
<b>Total square footage<sup>g</sup></b>										
Less than 1,000	228	156	17	19	N	42	216	160	16	17
1,000 to 1,499	355	173	19	21	239	35	316	173	21	22
1,500 to 1,999	448	181	21	19	274	36	315	175	21	24
2,000 to 2,499	499	179	21	21	389	39	437	183	20	23
2,500 to 2,999	554	192	20	20	374	37	467	191	19	26
3,000 or more	678	215	23	21	437	41	507	196	22	23
<b>Number of household members</b>										
1 member	385	127	12	16	201	30	370	124	14	17
2 members	469	168	18	20	403	41	383	174	19	23
3 members	453	204	21	22	458	45	413	219	28	25
4 members	469	234	26	22	374	35	429	252	26	27
5 members	460	246	29	23	351	27	400	247	25	24
6 or more members	507	271	33	23	362	Q	439	256	Q	26
<b>2020 annual household income</b>										
Less than \$5,000	355	179	23	18	N	Q	387	163	Q	16
\$5,000 to \$9,999	360	158	14	17	N	Q	224	144	Q	19
\$10,000 to \$19,999	372	164	15	17	Q	Q	360	151	Q	20
\$20,000 to \$39,999	405	166	19	18	319	45	378	165	17	20



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	Space heating <sup>a</sup>	Water heating	Clothes dryers <sup>b</sup>	Cooking <sup>c</sup>	Pool heaters	Hot tub heaters	Space heating <sup>a</sup>	Water heating	Clothes dryers <sup>b</sup>	Cooking <sup>c</sup>
<b>All homes</b>	446	181	20	20	391	39	390	182	21	23
\$40,000 to \$59,999	423	167	19	19	386	33	395	169	22	24
\$60,000 to \$99,999	444	180	21	20	387	38	379	193	22	24
\$100,000 to \$149,999	465	189	22	23	348	36	432	206	20	26
\$150,000 or more	553	212	22	22	410	42	437	195	23	24
<b>Payment method for energy bills</b>										
All paid by household	463	183	20	20	388	39	395	183	21	23
Some paid by household, some included in rent or condo fee	238	156	19	22	Q	Q	264	164	Q	14
All included in rent or condo fee	275	152	22	17	N	Q	212	188	Q	23
Some other method	676	188	Q	31	N	N	N	Q	N	Q

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	Space heating <sup>a</sup>	Water heating	Clothes dryers <sup>b</sup>	Cooking <sup>c</sup>	Pool heaters	Hot tub heaters	Space heating <sup>a</sup>	Water heating	Clothes dryers <sup>b</sup>	Cooking <sup>c</sup>
<b>All homes</b>	446	181	20	20	391	39	390	182	21	23

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

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

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<sup>d</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>e</sup> The Building America program, sponsored by the U.S. Department of Energy's Office of Energy Efficiency and Renewable Energy (EERE), created these climate regions. We combined climate regions for this publication. The Subarctic region is included with data for *Very-cold and Cold*.

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

<sup>g</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 of the home is based on respondent reports. Previous RECS cycles calculated square footage based on interviewer measurements. For households that did not report an exact square footage estimate, the square footage of the home was imputed based on a reported square footage range and/or characteristics of the home. See *2020 RECS Square Footage Methodology* for full details about data collection and processing.

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Data release date: June 2023

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**Relative standard errors (RSEs) for Table CE5.4 Detailed household natural gas and propane end-use consumption—averages, 2020**

	RSEs for average site energy consumption									
	Natural gas					Propane				
	Space heating <sup>a</sup>	Water heating	Clothes dryers <sup>b</sup>	Cooking <sup>c</sup>	Pool heaters	Hot tub heaters	Space heating <sup>a</sup>	Water heating	Clothes dryers <sup>b</sup>	Cooking <sup>c</sup>
<b>All homes</b>	0.83	0.58	1.90	1.10	5.90	6.25	3.09	1.73	5.13	2.32
<b>Census region and division</b>										
Northeast	1.63	1.35	3.39	2.07	8.56	19.24	6.45	3.05	9.92	3.23
New England	2.43	2.98	7.40	4.65	0.00	21.43	6.99	4.26	10.72	5.23
Middle Atlantic	2.03	1.64	3.39	2.63	8.73	23.95	8.55	4.47	12.66	4.99
Midwest	1.18	1.21	3.11	2.50	14.13	19.10	3.80	2.79	10.26	6.56
East North Central	1.56	1.54	3.44	2.76	14.62	26.72	5.51	3.62	12.54	8.87
West North Central	1.87	1.44	7.04	4.57	0.00	28.37	5.25	3.90	12.71	10.05
South	1.77	1.17	4.45	2.10	10.57	7.34	6.56	4.03	12.29	3.96
South Atlantic	2.37	2.15	7.70	3.46	16.41	16.42	9.52	6.29	17.13	6.75
East South Central	3.88	2.95	10.08	8.03	43.22	22.01	9.93	7.56	0.00	7.87
West South Central	2.78	1.70	6.36	2.65	14.05	9.43	10.82	5.70	19.60	7.32
West	1.45	1.08	4.47	2.10	10.31	9.12	9.35	3.65	10.38	5.73
Mountain	1.97	1.52	9.48	3.13	11.99	11.69	11.35	5.18	23.01	9.03
Mountain North	1.94	1.99	18.85	4.99	23.93	34.31	13.92	6.23	70.50	12.33
Mountain South	3.87	2.76	6.57	4.36	12.84	14.09	19.64	8.01	30.55	12.27
Pacific	2.26	1.39	4.94	2.53	14.32	12.29	13.12	4.83	11.94	8.34
<b>Census urban/rural classification<sup>d</sup></b>										
Urban	0.86	0.58	2.01	1.24	5.76	6.31	8.22	3.31	8.49	5.18
Urbanized area	0.95	0.62	2.12	1.22	5.84	6.52	9.14	3.96	9.26	6.22
Urban cluster	2.54	2.13	6.13	5.57	31.48	28.04	13.16	8.17	19.43	8.63
Rural	2.33	1.98	5.09	3.18	16.98	15.62	3.19	2.05	6.20	2.72

**Relative standard errors (RSEs) for Table CE5.4 Detailed household natural gas and propane end-use consumption—averages, 2020**

**RSEs for average site energy consumption**

	Natural gas				Propane					
	Space heating <sup>a</sup>	Water heating	Clothes dryers <sup>b</sup>	Cooking <sup>c</sup>	Pool heaters	Hot tub heaters	Space heating <sup>a</sup>	Water heating	Clothes dryers <sup>b</sup>	Cooking <sup>c</sup>
<b>All homes</b>	0.83	0.58	1.90	1.10	5.90	6.25	3.09	1.73	5.13	2.32
<b>Climate region<sup>e</sup></b>										
Very cold and Cold	1.02	0.77	2.70	1.93	9.72	10.90	3.32	2.19	6.39	3.68
Mixed-humid	1.51	1.45	3.31	2.36	10.65	16.50	6.99	3.09	13.99	4.85
Mixed-dry and Hot-dry	2.75	1.72	4.82	2.75	12.10	11.75	17.28	5.27	15.89	11.05
Hot-humid	3.28	1.72	7.33	3.15	13.31	8.21	11.33	5.20	13.58	6.48
Marine	3.28	2.87	8.33	3.72	27.02	17.29	17.46	8.64	20.93	14.40
<b>Housing unit type</b>										
Single-family detached	0.88	0.68	2.08	1.33	6.01	6.43	3.32	1.81	5.61	2.56
Single-family attached	2.39	2.15	4.98	3.56	36.19	26.96	21.85	9.37	12.65	16.06
Apartments in buildings with 2–4 units	3.48	2.25	11.12	3.78	0.00	43.37	34.23	6.17	24.11	30.31
Apartments in buildings with 5 or more units	3.10	1.80	11.12	3.89	0.00	31.26	11.73	8.71	0.00	23.52
Mobile homes	4.29	4.73	19.66	5.39	0.00	60.38	7.94	5.43	14.55	5.75
<b>Ownership of housing unit</b>										
Owned	0.93	0.61	1.80	1.21	5.90	6.23	3.17	1.74	5.44	2.43
Single-family	0.92	0.63	1.96	1.28	5.92	6.24	3.36	1.82	5.73	2.44
Apartments	5.83	3.56	9.67	6.39	0.00	36.16	27.08	7.73	0.00	43.14
Mobile homes	4.76	5.01	24.45	6.13	0.00	60.38	8.59	4.74	14.46	6.23
Rented <sup>f</sup>	2.22	1.35	7.64	2.65	45.58	19.05	9.93	4.70	13.86	7.81
Single-family	2.61	2.11	10.18	4.62	45.58	28.90	10.80	5.09	18.29	9.36
Apartments	2.72	1.49	11.60	2.93	0.00	26.32	13.87	6.01	24.11	21.54
Mobile homes	12.86	10.40	16.60	13.89	0.00	0.00	19.39	45.90	0.00	18.77

**Relative standard errors (RSEs) for Table CE5.4 Detailed household natural gas and propane end-use consumption—averages, 2020**

**RSEs for average site energy consumption**

	Natural gas				Propane					
	Space heating <sup>a</sup>	Water heating	Clothes dryers <sup>b</sup>	Cooking <sup>c</sup>	Pool heaters	Hot tub heaters	Space heating <sup>a</sup>	Water heating	Clothes dryers <sup>b</sup>	Cooking <sup>c</sup>
<b>All homes</b>	0.83	0.58	1.90	1.10	5.90	6.25	3.09	1.73	5.13	2.32
<b>Year of construction</b>										
Before 1950	2.22	1.73	4.50	2.03	15.62	40.76	6.73	4.22	12.83	7.71
1950 to 1959	2.30	1.90	5.84	3.69	15.49	32.85	11.51	5.89	25.56	8.04
1960 to 1969	2.70	1.45	7.67	3.79	13.62	27.74	10.71	6.07	17.68	10.07
1970 to 1979	2.07	1.89	5.01	3.18	28.71	15.93	7.14	3.63	11.38	6.71
1980 to 1989	2.51	1.57	5.12	3.15	17.62	13.46	6.70	5.18	13.29	6.39
1990 to 1999	2.49	1.64	5.19	3.58	9.23	12.21	6.98	2.81	11.26	7.00
2000 to 2009	2.31	1.89	5.21	3.59	11.85	11.43	9.10	4.27	15.47	5.10
2010 to 2015	4.24	3.38	7.61	5.85	34.40	18.17	11.22	6.60	30.35	9.60
2016 to 2020	4.47	3.18	9.23	5.25	14.84	11.83	11.66	7.74	20.19	12.10
<b>Total square footage<sup>e</sup></b>										
Less than 1,000	2.56	1.38	8.49	3.23	0.00	26.07	12.07	4.31	24.47	9.14
1,000 to 1,499	2.01	1.35	4.91	2.65	19.73	26.31	6.63	5.09	16.91	7.32
1,500 to 1,999	1.83	1.73	5.29	2.58	17.13	13.88	6.71	4.15	12.83	6.21
2,000 to 2,499	1.80	1.66	4.63	2.96	20.92	11.88	6.46	4.54	9.76	3.96
2,500 to 2,999	2.21	1.98	4.67	3.88	12.47	17.31	9.30	3.50	11.08	7.80
3,000 or more	1.58	1.46	3.46	2.68	7.99	8.00	5.38	3.24	10.13	5.33
<b>Number of household members</b>										
1 member	1.78	1.06	4.94	2.35	18.50	21.70	6.56	2.68	11.11	6.60
2 members	1.54	0.69	2.97	1.90	10.90	10.06	4.39	1.96	5.94	3.33
3 members	2.33	1.59	3.26	2.70	10.22	11.73	9.82	2.85	18.00	8.08
4 members	2.29	1.48	4.92	2.96	11.29	13.90	7.45	4.30	11.49	5.35
5 members	3.48	2.56	5.45	4.84	15.81	25.35	12.99	4.70	19.19	9.89

**Relative standard errors (RSEs) for Table CE5.4 Detailed household natural gas and propane end-use consumption—averages, 2020**

**RSEs for average site energy consumption**

	Natural gas				Propane					
	Space heating <sup>a</sup>	Water heating	Clothes dryers <sup>b</sup>	Cooking <sup>c</sup>	Pool heaters	Hot tub heaters	Space heating <sup>a</sup>	Water heating	Clothes dryers <sup>b</sup>	Cooking <sup>c</sup>
<b>All homes</b>	0.83	0.58	1.90	1.10	5.90	6.25	3.09	1.73	5.13	2.32
6 or more members	4.03	3.08	8.09	6.14	27.35	19.21	15.76	5.70	49.86	10.87
<b>2020 annual household income</b>										
Less than \$5,000	7.20	4.15	19.98	11.04	0.00	0.00	22.19	5.30	45.17	16.95
\$5,000 to \$9,999	8.60	3.66	20.47	9.69	0.00	34.17	19.37	12.69	0.17	18.00
\$10,000 to \$19,999	3.87	3.09	9.64	5.49	0.00	25.35	11.97	7.69	21.44	8.34
\$20,000 to \$39,999	2.31	1.49	5.93	3.17	31.55	17.81	7.52	4.77	13.11	5.95
\$40,000 to \$59,999	2.39	1.83	5.37	2.72	19.39	22.33	7.80	4.57	18.97	6.96
\$60,000 to \$99,999	1.77	1.07	4.74	1.93	22.15	16.65	5.18	3.45	13.96	4.87
\$100,000 to \$149,999	1.97	1.39	4.79	3.14	11.89	13.28	6.82	3.99	10.05	4.98
\$150,000 or more	1.84	1.36	2.96	2.16	6.79	7.76	8.31	3.81	8.89	6.40
<b>Payment method for energy bills</b>										
All paid by household	0.86	0.58	1.89	1.19	5.87	6.22	2.95	1.75	5.20	2.36
Some paid by household, some included in rent or condo fee	5.35	2.09	19.64	5.02	108.80	56.40	29.62	8.99	33.63	24.55
All included in rent or condo fee	7.49	3.16	48.46	6.38	0.00	29.02	32.38	12.47	38.01	28.59
Some other method	37.98	15.39	18.55	15.81	0.00	0.00	0.00	36.06	0.00	15.08

**Relative standard errors (RSEs) for Table CE5.4 Detailed household natural gas and propane end-use consumption—averages, 2020**

**RSEs for average site energy consumption**

	Natural gas				Propane					
	Space heating <sup>a</sup>	Water heating	Clothes dryers <sup>b</sup>	Cooking <sup>c</sup>	Pool heaters	Hot tub heaters	Space heating <sup>a</sup>	Water heating	Clothes dryers <sup>b</sup>	Cooking <sup>c</sup>
<b>All homes</b>	0.83	0.58	1.90	1.10	5.90	6.25	3.09	1.73	5.13	2.32

Data source: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Forms EIA-457A, D, E, F, G of the *2020 Residential Energy Consumption Survey*

Notes: See RECS Terminology for definition of terms used in these tables.

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

<sup>b</sup> *Clothes dryers* excludes electricity used for controls and spinning the drum.

<sup>c</sup> *Cooking* includes ranges (units with both a cooktop and an oven), separate cooktops, and separate ovens. Microwaves, small kitchen appliances, and outdoor cooking are excluded.

<sup>d</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>e</sup> The Building America program, sponsored by the U.S. Department of Energy's Office of Energy Efficiency and Renewable Energy (EERE), created these climate regions. We combined climate regions for this publication. The Subarctic region is included with data for *Very-cold and Cold*.

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

<sup>g</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 of the home is based on respondent reports. Previous RECS cycles calculated square footage based on interviewer measurements. For households that did not report an exact square footage estimate, the square footage of the home was imputed based on a reported square footage range and/or characteristics of the home. See *2020 RECS Square Footage Methodology* for full details about data collection and processing.