

Table CE2.1 Annual household site fuel consumption in the United States—totals and averages, 2020

	Number of housing units (million)	Total site energy consumption ^a (trillion Btu)					Average site energy consumption ^a (million Btu per household using the fuel)				
		Total U.S. ^b	Total	Electricity	Natural gas	Propane	Fuel oil or kerosene	Total	Electricity	Natural gas	Propane
All homes	123.53	9,481	4,453	4,241	391	396	76.8	36.1	56.6	35.4	69.7
Census region and division											
Northeast	21.92	1,956	599	942	82	333	89.2	27.3	64.9	31.7	74.5
New England	5.88	528	147	182	29	170	89.9	24.9	60.7	31.7	82.7
Middle Atlantic	16.04	1,428	453	760	52	163	89.0	28.2	66.0	31.7	67.5
Midwest	27.04	2,619	902	1,521	170	26	96.9	33.3	76.1	62.8	62.1
East North Central	18.55	1,823	591	1,103	108	21	98.3	31.9	78.0	66.6	59.8
West North Central	8.50	796	310	419	62	4	93.7	36.5	71.5	57.1	77.3
South	46.84	3,116	2,138	865	86	28	66.5	45.6	43.4	20.9	43.7
South Atlantic	24.84	1,584	1,109	405	44	25	63.8	44.7	45.1	19.5	46.7
East South Central	7.38	523	350	152	19	2	70.9	47.4	48.1	21.9	29.1
West South Central	14.62	1,009	679	307	23	Q	69.0	46.4	39.5	23.1	Q
West	27.72	1,790	814	913	54	9	64.6	29.4	44.6	32.3	60.3
Mountain	9.22	727	330	370	26	Q	78.9	35.8	56.6	42.9	Q
Mountain North	4.62	413	141	256	16	Q	89.5	30.5	69.4	56.4	Q
Mountain South	4.60	314	189	115	10	Q	68.3	41.2	40.1	30.7	Q
Pacific	18.51	1,063	484	542	28	8	57.4	26.2	39.0	26.4	68.7
Census urban/rural classification^c											
Urban	100.44	7,510	3,370	3,827	78	234	74.8	33.6	56.2	23.6	65.6
Urbanized area	89.24	6,649	2,967	3,417	61	205	74.5	33.2	55.7	24.4	65.4
Urban cluster	11.20	861	404	410	18	29	76.9	36.0	60.2	21.1	67.1
Rural	23.09	1,971	1,083	414	313	161	85.4	46.9	61.4	40.5	76.6
Climate region^d											
Very cold/Cold	42.50	4,044	1,311	2,203	241	289	95.2	30.9	75.0	48.2	78.1
Mixed-humid	36.79	2,830	1,451	1,179	97	104	76.9	39.4	55.2	27.0	54.9
Mixed-dry/Hot-dry	15.06	887	445	421	21	Q	58.9	29.6	34.8	30.0	Q
Hot-humid	22.31	1,306	1,049	232	24	Q	58.6	47.0	30.5	16.9	Q
Marine	6.87	413	197	206	8	Q	60.2	28.7	46.2	25.0	Q
Housing unit type											
Single-family detached	77.07	7,293	3,261	3,351	344	337	94.6	42.3	67.4	38.9	79.8
Single-family attached	7.45	500	215	270	6	10	67.1	28.8	51.3	27.9	55.9
Apartments in buildings with 2–4 units	9.34	500	212	268	3	16	53.5	22.7	45.6	12.4	47.1
Apartments in buildings with 5 or more units	22.84	769	475	270	6	19	33.7	20.8	22.8	11.4	30.8
Mobile homes	6.83	419	290	83	34	12	61.3	42.5	37.3	25.9	42.4
Ownership of housing unit											
Owned	82.92	7,501	3,381	3,428	354	338	90.5	40.8	65.4	37.1	77.0
Single-family	73.22	6,950	3,059	3,247	325	319	94.9	41.8	67.9	38.7	80.9
Apartments	4.32	218	94	115	Q	10	50.6	21.6	40.1	Q	41.2
Mobile homes	5.38	333	228	67	29	9	61.8	42.4	37.9	26.1	43.6
Rented ^e	40.61	1,980	1,073	813	37	58	48.8	26.4	36.2	24.7	44.9
Single-family	11.30	843	417	374	25	28	74.6	36.9	52.2	38.1	61.2
Apartments	27.86	1,051	594	423	8	26	37.7	21.3	28.5	11.8	35.2
Mobile homes	1.45	86	62	16	5	3	59.5	43.0	35.3	25.1	39.3
Year of construction											
Before 1950	20.26	1,836	611	1,023	75	127	90.6	30.2	67.0	43.7	68.1
1950 to 1959	12.48	1,058	397	552	28	81	84.8	31.8	60.2	40.2	75.1
1960 to 1969	12.76	980	415	487	31	46	76.8	32.6	55.9	34.0	66.1
1970 to 1979	18.34	1,306	673	522	61	50	71.2	36.7	53.1	39.7	67.4
1980 to 1989	16.30	1,086	609	394	43	39	66.6	37.4	48.3	32.7	74.4
1990 to 1999	17.16	1,336	696	543	72	25	77.8	40.5	58.2	35.6	59.0
2000 to 2009	16.16	1,236	669	487	54	26	76.5	41.4	54.1	29.4	84.7
2010 to 2015	5.53	360	218	126	15	1	65.1	39.5	42.4	27.5	39.4
2016 to 2020	4.56	284	164	107	12	Q	62.3	36.1	43.9	26.1	Q
Total square footage^f											
Less than 1,000	30.01	1,265	697	505	26	37	42.1	23.2	30.7	18.8	37.3
1,000 to 1,499	28.08	1,733	901	737	54	41	61.7	32.1	46.3	29.0	51.6
1,500 to 1,999	22.22	1,778	835	800	63	80	80.0	37.6	57.7	30.1	67.5
2,000 to 2,499	15.62	1,430	649	638	71	72	91.5	41.5	64.8	38.6	74.1

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	Total U.S. ^b	Total	Electricity	Natural gas	Propane	Fuel oil or kerosene	Total	Electricity	Natural gas	Propane	Fuel oil or kerosene	
All homes	123.53	9,481	4,453	4,241	391	396	76.8	36.1	56.6	35.4	69.7	
2,500 to 2,999	10.31	1,072	458	517	50	47	104.0	44.5	73.0	44.2	77.2	
3,000 or more	17.29	2,203	914	1,044	127	119	127.4	52.8	89.3	46.8	104.7	
Number of household members												
1 member	33.59	1,845	823	854	82	85	54.9	24.5	44.2	31.7	58.9	
2 members	45.31	3,554	1,646	1,577	175	156	78.4	36.3	58.5	35.6	72.9	
3 members	18.27	1,581	755	699	57	69	86.6	41.4	61.2	38.0	71.4	
4 members	15.56	1,443	694	653	44	52	92.8	44.6	64.3	37.9	73.1	
5 members	6.44	611	315	260	18	19	94.9	48.9	62.8	34.0	81.3	
6 or more members	4.37	446	219	198	15	14	102.2	50.3	67.8	42.1	81.5	
2020 annual household income												
Less than \$5,000	4.48	253	137	101	9	6	56.5	30.6	42.1	29.1	56.9	
\$5,000 to \$9,999	4.01	208	110	82	7	9	51.9	27.5	39.5	20.4	53.8	
\$10,000 to \$19,999	10.25	588	294	244	29	21	57.4	28.7	44.5	28.5	48.0	
\$20,000 to \$39,999	24.07	1,568	776	661	68	63	65.1	32.2	49.5	32.6	60.2	
\$40,000 to \$59,999	19.61	1,372	667	603	55	48	70.0	34.0	52.8	33.9	60.2	
\$60,000 to \$99,999	27.71	2,178	1,017	964	94	104	78.6	36.7	57.5	36.5	77.6	
\$100,000 to \$149,999	16.54	1,462	667	675	61	59	88.4	40.3	60.8	40.7	69.1	
\$150,000 or more	16.86	1,852	786	911	69	86	109.8	46.6	74.1	42.5	92.2	
Payment method for energy bills												
All paid by household	112.70	8,982	4,239	3,996	380	366	79.7	37.6	59.8	36.3	76.0	
Some paid by household, some included in rent or condo fee	6.32	302	117	152	8	25	47.7	18.4	28.2	20.7	36.6	
All included in rent or condo fee	4.34	183	94	83	2	4	42.2	21.6	32.5	15.0	25.1	
Some other method	0.16	14	4	9	Q	Q	87.8	22.1	75.7	Q	Q	
Main heating fuel												
Natural gas	62.71	5,996	1,933	4,052	4	7	95.6	30.8	64.6	11.6	33.8	
Electricity	42.57	2,081	1,899	133	43	5	48.9	44.6	15.9	12.6	23.5	
Fuel oil or kerosene	4.93	547	152	11	11	373	110.8	30.8	11.6	11.8	75.6	
Propane	5.21	512	198	1	312	Q	98.2	38.0	5.6	59.9	Q	
Wood	2.25	115	83	5	18	9	50.9	36.8	19.2	21.2	38.5	
Some other fuel ^f	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	
Does not use heating equipment	5.79	229	186	39	3	Q	39.5	32.2	16.5	11.3	Q	

Data source: U.S. Energy Information Administration, Office of Energy Demand and Integrated 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

^a Consumption and expenditures for biomass (wood), coal, district steam, and solar thermal are excluded. Electricity consumption from on-site solar photovoltaic generation (that is, solar panels) is included.

^b Total 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.

^c 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, while urban clusters have at least 2,500 but less than 50,000 people. All other areas are rural.

^d 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/Cold.

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

^f 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.

^g Some other fuel includes coal and district steam.

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.

Data release date: March 2023

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	Number of housing units (million)	Total site energy consumption ^a				Average site energy consumption ^a (per household using the fuel)			
		Electricity (billion kWh)	Natural gas (billion cf)	Propane (million gallons)	Fuel oil or kerosene (million gallons)	Electricity (kWh)	Natural gas (ccf)	Propane (gallons)	Fuel oil or kerosene (gallons)
Total U.S. ^b									
All homes	123.53	1,305	4,217	4,280	2,880	10,566	563	387	507
Census region and division									
Northeast	21.92	176	922	894	2,421	8,016	635	346	542
New England	5.88	43	178	322	1,238	7,308	593	346	602
Middle Atlantic	16.04	133	744	572	1,183	8,275	646	346	491
Midwest	27.04	264	1,492	1,864	187	9,773	747	686	452
East North Central	18.55	173	1,078	1,181	156	9,345	763	729	435
West North Central	8.50	91	415	683	31	10,705	708	624	562
South	46.84	627	857	936	205	13,376	430	228	318
South Atlantic	24.84	325	397	484	185	13,089	443	214	340
East South Central	7.38	102	150	206	17	13,882	474	239	212
West South Central	14.62	199	310	247	Q	13,609	398	252	Q
West	27.72	239	946	586	68	8,608	462	354	439
Mountain	9.22	97	414	280	Q	10,500	633	469	Q
Mountain North	4.62	41	288	175	Q	8,942	781	617	Q
Mountain South	4.60	56	127	106	Q	12,064	442	335	Q
Pacific	18.51	142	532	305	60	7,665	382	289	500
Census urban/rural classification^c									
Urban	100.44	988	3,803	858	1,706	9,834	558	258	478
Urbanized area	89.24	869	3,390	662	1,493	9,743	553	267	476
Urban cluster	11.20	118	413	196	213	10,562	607	231	489
Rural	23.09	317	415	3,422	1,174	13,749	615	443	558
Climate region^d									
Very cold/Cold	42.50	384	2,202	2,633	2,107	9,043	750	528	568
Mixed-humid	36.79	425	1,159	1,066	754	11,556	543	295	400
Mixed-dry/Hot-dry	15.06	130	428	229	Q	8,665	354	328	Q
Hot-humid	22.31	307	230	265	Q	13,781	302	185	Q
Marine	6.87	58	198	86	Q	8,410	444	273	Q
Housing unit type									
Single-family detached	77.07	956	3,336	3,759	2,456	12,402	671	425	581
Single-family attached	7.45	63	267	61	75	8,443	507	305	407
Apartments in buildings with 2–4 units	9.34	62	264	30	120	6,665	449	135	343
Apartments in buildings with 5 or more units	22.84	139	267	64	141	6,093	226	125	224
Mobile homes	6.83	85	84	367	88	12,456	380	284	309
Ownership of housing unit									
Owned	82.92	991	3,411	3,874	2,460	11,949	650	406	560
Single-family	73.22	897	3,231	3,551	2,325	12,246	676	423	589
Apartments	4.32	27	113	Q	71	6,345	393	Q	300
Mobile homes	5.38	67	68	317	65	12,414	385	285	317
Rented ^e	40.61	314	806	406	420	7,741	359	270	327
Single-family	11.30	122	372	269	207	10,802	520	417	446
Apartments	27.86	174	418	87	190	6,246	282	129	256
Mobile homes	1.45	18	17	50	23	12,610	361	274	286
Year of construction									
Before 1950	20.26	179	1,006	820	924	8,843	659	478	496

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		Electricity (billion kWh)	Natural gas (billion cf)	Propane (million gallons)	Fuel oil or kerosene (million gallons)	Electricity (kWh)	Natural gas (ccf)	Propane (gallons)	Fuel oil or kerosene (gallons)
All homes	123.53	1,305	4,217	4,280	2,880	10,566	563	387	507
1950 to 1959	12.48	116	546	309	591	9,327	596	439	546
1960 to 1969	12.76	122	482	336	336	9,546	552	372	481
1970 to 1979	18.34	197	521	666	366	10,756	530	434	490
1980 to 1989	16.30	179	394	474	283	10,957	483	357	542
1990 to 1999	17.16	204	544	788	182	11,884	583	389	429
2000 to 2009	16.16	196	489	593	187	12,133	543	321	617
2010 to 2015	5.53	64	127	160	9	11,567	427	300	286
2016 to 2020	4.56	48	107	134	Q	10,568	441	285	Q
Total square footage^f									
Less than 1,000	30.01	204	501	290	266	6,802	304	205	272
1,000 to 1,499	28.08	264	732	595	297	9,407	460	318	376
1,500 to 1,999	22.22	245	796	693	584	11,009	574	329	492
2,000 to 2,499	15.62	190	634	773	527	12,173	644	423	539
2,500 to 2,999	10.31	134	514	546	344	13,031	726	483	562
3,000 or more	17.29	268	1,041	1,384	863	15,489	890	511	762
Number of household members									
1 member	33.59	241	850	901	621	7,184	440	347	429
2 members	45.31	482	1,570	1,912	1,133	10,648	582	390	531
3 members	18.27	221	694	626	503	12,120	607	415	519
4 members	15.56	203	649	483	379	13,072	639	415	532
5 members	6.44	92	258	193	139	14,336	625	372	591
6 or more members	4.37	64	197	165	105	14,730	677	460	594
2020 annual household income									
Less than \$5,000	4.48	40	100	96	46	8,958	417	318	415
\$5,000 to \$9,999	4.01	32	81	72	66	8,060	391	223	392
\$10,000 to \$19,999	10.25	86	242	321	152	8,402	441	312	350
\$20,000 to \$39,999	24.07	228	659	744	457	9,451	494	356	438
\$40,000 to \$59,999	19.61	195	600	599	348	9,964	526	371	438
\$60,000 to \$99,999	27.71	298	959	1,026	755	10,751	572	399	565
\$100,000 to \$149,999	16.54	196	673	667	429	11,821	606	445	503
\$150,000 or more	16.86	230	903	756	627	13,660	734	465	671
Payment method for energy bills									
All paid by household	112.70	1,243	3,975	4,159	2,666	11,025	595	397	554
Some paid by household, some included in rent or condo fee	6.32	34	151	91	180	5,400	278	226	266
All included in rent or condo fee	4.34	27	82	27	29	6,326	322	164	183
Some other method	0.16	1	9	Q	Q	6,489	745	Q	Q
Main heating fuel									
Natural gas	62.71	567	4,030	48	50	9,035	643	127	246
Electricity	42.57	557	132	471	39	13,073	157	137	171
Fuel oil or kerosene	4.93	45	10	121	2,717	9,025	113	129	551
Propane	5.21	58	1	3,416	Q	11,142	55	656	Q
Wood	2.25	24	5	194	65	10,787	194	231	281
Some other fuel ^g	Q	Q	Q	Q	Q	Q	Q	Q	Q
Does not use heating equipment	5.79	55	38	30	Q	9,430	163	124	Q

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All homes	123.53	1,305	4,217	4,280	2,880	10,566	563	387	507

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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.

kWh = kilowatthours

cf = cubic feet

ccf = hundred cubic feet

^a Consumption and expenditures for biomass (wood), coal, district steam, and solar thermal are excluded. Electricity consumption from on-site solar photovoltaic generation (that is, solar panels) is included.

^b *Total 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.

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^g *Some other fuel* includes coal and district steam.

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.

Relative standard errors (RSEs) for Table CE2.1 Annual household site fuel consumption in the United States—totals and averages, 2020

	RSEs for number of housing units											
	RSEs for total site energy consumption ^a						RSEs for average site energy consumption ^a					
	Total U.S. ^b	Total	Electricity	Natural gas	Propane	Fuel oil or kerosene	Total	Electricity	Natural gas	Propane	Fuel oil or kerosene	
All homes	0.00	0.40	0.38	0.91	3.80	3.43	0.40	0.38	0.70	2.91	2.14	
Census region and division												
Northeast	0.00	0.78	1.14	1.67	8.21	4.00	0.78	1.14	1.39	6.66	2.25	
New England	0.00	1.34	1.39	3.82	9.62	3.82	1.34	1.39	2.55	7.09	2.09	
Middle Atlantic	0.00	1.07	1.49	2.16	10.49	6.75	1.07	1.49	1.67	8.93	4.08	
Midwest	0.00	0.90	1.02	1.66	6.25	19.73	0.90	1.02	1.13	3.62	11.23	
East North Central	0.00	1.13	1.34	1.92	8.20	22.30	1.13	1.34	1.53	5.31	13.17	
West North Central	0.00	1.29	1.33	2.62	7.68	31.76	1.29	1.33	1.73	4.87	13.91	
South	0.00	0.65	0.67	1.86	5.36	14.24	0.65	0.67	1.68	4.92	7.54	
South Atlantic	0.00	1.02	0.96	3.00	8.78	15.52	1.02	0.96	2.41	7.63	8.46	
East South Central	0.00	1.54	1.39	4.61	11.48	32.85	1.54	1.39	3.59	8.74	24.26	
West South Central	0.00	1.22	1.21	3.32	11.70	79.06	1.22	1.21	2.36	9.20	14.83	
West	0.00	0.74	0.80	1.22	9.27	12.40	0.74	0.80	1.09	7.05	9.90	
Mountain	0.00	1.03	1.42	1.76	13.49	41.67	1.03	1.42	1.57	9.30	27.36	
Mountain North	0.00	1.40	1.76	2.14	19.73	42.33	1.40	1.76	1.73	12.68	45.03	
Mountain South	0.00	1.70	1.94	3.56	18.86	20.25	1.70	1.94	3.03	13.90	0.00	
Pacific	0.00	1.09	1.16	2.00	13.80	13.15	1.09	1.16	1.70	10.61	9.86	
Census urban/rural classification^c												
Urban	0.28	0.60	0.55	1.00	8.42	4.09	0.48	0.44	0.68	6.40	2.60	
Urbanized area	0.42	0.69	0.69	1.08	9.61	4.52	0.49	0.51	0.74	7.22	2.76	
Urban cluster	2.74	3.19	2.92	4.58	15.48	14.34	1.53	1.51	2.38	10.06	8.36	
Rural	1.23	1.49	1.41	3.82	4.08	5.45	0.94	0.89	3.07	2.86	3.50	
Climate region^d												
Very cold/Cold	0.54	0.77	0.92	1.44	5.05	3.35	0.62	0.81	0.99	3.35	2.04	
Mixed-humid	0.77	1.17	1.00	1.95	7.50	8.43	0.78	0.73	1.34	5.49	4.72	
Mixed-dry/Hot-dry	1.23	1.57	1.41	2.20	14.86	20.25	1.24	1.10	1.85	12.07	0.00	
Hot-humid	0.69	1.36	1.45	3.62	9.85	79.06	1.07	1.16	2.79	7.79	14.83	
Marine	2.39	2.62	2.57	3.92	23.25	38.60	2.16	2.27	3.06	17.64	19.79	
Housing unit type												
Single-family detached	0.00	0.45	0.39	0.95	4.36	3.62	0.45	0.39	0.73	3.05	1.95	
Single-family attached	0.00	1.67	1.54	2.57	21.88	19.75	1.67	1.54	1.96	16.43	9.85	
Apartments in buildings with 2–4 units	0.00	2.20	2.13	3.85	19.80	19.31	2.20	2.13	3.24	15.77	13.07	
Apartments in buildings with 5 or more units	0.00	1.22	1.60	2.70	18.33	17.56	1.22	1.60	2.30	13.36	7.75	
Mobile homes	0.00	1.58	1.95	7.25	10.02	15.62	1.58	1.95	5.37	6.62	7.56	
Ownership of housing unit												
Owned	0.42	0.59	0.62	1.06	4.03	3.86	0.49	0.45	0.78	2.88	2.05	
Single-family	0.36	0.57	0.59	1.01	4.49	3.89	0.52	0.44	0.76	3.14	1.90	
Apartments	4.13	6.67	5.26	8.48	48.26	31.82	4.49	3.11	5.54	34.11	22.14	
Mobile homes	2.05	2.71	3.33	8.98	11.04	19.32	1.71	2.19	6.24	7.32	9.08	
Rented ^e	0.86	1.51	1.31	2.48	9.90	8.63	0.98	0.95	1.82	8.35	5.37	
Single-family	2.35	2.88	2.97	4.12	14.02	11.58	1.37	1.52	2.39	8.93	9.17	
Apartments	0.64	1.34	1.45	2.95	14.09	14.25	1.16	1.44	2.34	11.08	6.08	
Mobile homes	7.62	7.67	7.57	16.57	29.31	32.13	4.35	4.27	13.46	19.29	15.17	
Year of construction												
Before 1950	0.00	1.35	1.24	2.21	9.94	7.08	1.35	1.24	1.99	7.65	4.69	
1950 to 1959	0.00	1.48	1.79	2.35	13.70	9.33	1.48	1.79	2.02	11.42	4.32	
1960 to 1969	0.00	1.56	1.63	2.92	15.61	10.42	1.56	1.63	2.26	9.52	6.18	
1970 to 1979	0.00	1.34	1.27	2.61	8.92	8.62	1.34	1.27	1.86	6.89	6.02	
1980 to 1989	0.00	1.34	1.35	2.87	8.47	10.48	1.34	1.35	2.20	7.03	6.71	
1990 to 1999	0.00	1.32	1.26	2.75	8.62	9.88	1.32	1.26	2.00	6.43	9.31	
2000 to 2009	0.00	1.40	1.29	2.57	8.25	14.40	1.40	1.29	2.31	6.90	10.33	
2010 to 2015	2.84	4.04	3.92	5.73	12.48	45.17	2.66	2.30	4.17	7.93	40.65	
2016 to 2020	3.44	4.72	4.03	7.24	15.10	85.22	2.96	2.12	4.65	9.27	46.46	
Total square footage^f												
Less than 1,000	1.20	1.65	1.74	2.35	12.27	11.17	1.03	1.28	1.94	9.92	7.47	
1,000 to 1,499	1.54	1.89	1.82	2.92	6.78	10.05	0.89	1.02	1.71	5.87	5.97	
1,500 to 1,999	1.59	1.68	1.98	2.31	7.06	9.09	0.78	1.10	1.62	6.07	3.87	

Relative standard errors (RSEs) for Table CE2.1 Annual household site fuel consumption in the United States—totals and averages, 2020

	RSEs for number of housing units										
	RSEs for total site energy consumption ^a						RSEs for average site energy consumption ^a				
	Total U.S. ^b	Total	Electricity	Natural gas	Propane	Fuel oil or kerosene	Total	Electricity	Natural gas	Propane	Fuel oil or kerosene
All homes	0.00	0.40	0.38	0.91	3.80	3.43	0.40	0.38	0.70	2.91	2.14
2,000 to 2,499	2.32	2.44	2.40	2.99	9.83	8.74	0.82	1.15	1.48	6.20	3.95
2,500 to 2,999	2.55	2.61	2.85	3.40	11.17	10.41	1.08	1.32	1.75	7.40	4.61
3,000 or more	1.93	2.07	2.08	2.86	7.73	7.91	1.09	1.05	1.58	5.11	3.95
Number of household members											
1 member	1.25	1.66	1.51	2.53	8.77	7.40	1.05	1.05	1.69	5.99	5.32
2 members	1.15	1.27	1.18	1.90	5.57	7.47	0.85	0.66	1.39	4.17	3.54
3 members	1.87	1.80	1.70	3.15	11.93	7.70	1.28	1.09	2.20	8.25	4.58
4 members	2.08	2.31	2.22	3.20	9.96	10.69	1.29	1.21	1.79	5.99	5.83
5 members	4.12	4.26	4.63	5.59	17.82	16.28	2.10	2.04	3.02	12.42	8.45
6 or more members	4.58	4.85	4.53	6.59	21.04	21.34	2.31	2.70	3.01	13.35	10.80
2020 annual household income											
Less than \$5,000	4.63	5.74	5.29	8.85	24.26	29.15	3.65	2.97	6.05	16.61	19.52
\$5,000 to \$9,999	5.53	6.15	5.98	9.80	18.43	23.73	3.16	3.23	7.24	15.93	12.39
\$10,000 to \$19,999	3.21	3.46	3.58	4.98	12.87	14.31	1.91	2.00	3.22	11.60	8.61
\$20,000 to \$39,999	1.98	2.16	2.01	3.22	8.93	10.14	1.30	1.18	1.80	6.91	5.36
\$40,000 to \$59,999	1.83	2.07	2.32	3.13	9.46	11.49	1.44	1.63	2.34	7.25	6.67
\$60,000 to \$99,999	1.58	1.67	1.77	2.36	7.45	7.32	0.92	0.97	1.57	5.49	3.96
\$100,000 to \$149,999	1.83	1.91	2.32	2.50	9.68	9.25	1.19	1.39	1.70	5.71	5.36
\$150,000 or more	1.93	2.23	2.30	2.87	9.37	7.53	1.28	1.10	1.77	7.27	4.33
Payment method for energy bills											
All paid by household	0.27	0.46	0.44	0.97	3.80	3.40	0.46	0.39	0.72	2.85	1.83
Some paid by household, some included in rent or condo fee	3.90	4.50	4.65	6.38	22.10	15.97	3.02	3.04	4.64	19.83	8.38
All included in rent or condo fee	4.78	5.40	5.52	7.93	35.80	26.32	3.00	2.42	6.00	30.21	11.03
Some other method	25.04	37.24	26.38	48.81	77.36	41.60	22.86	16.54	32.84	70.19	33.50
Main heating fuel											
Natural gas	0.77	0.87	0.95	0.95	21.15	24.68	0.54	0.55	0.70	16.59	17.63
Electricity	0.92	1.17	1.11	5.13	5.95	26.87	0.83	0.78	3.87	4.42	19.41
Fuel oil or kerosene	3.50	3.32	3.58	20.58	11.49	3.57	1.57	2.23	17.02	9.78	2.08
Propane	3.76	4.33	4.53	32.85	4.54	60.81	1.70	2.18	30.94	2.20	16.19
Wood	4.88	5.67	5.43	27.19	14.34	20.20	2.37	2.29	20.95	11.01	8.86
Some other fuel ^g	35.67	38.88	35.48	16.20	62.35	84.02	24.00	18.15	0.00	45.18	88.70
Does not use heating equipment	4.41	5.09	5.15	9.50	30.69	52.84	2.37	2.82	4.61	26.82	10.12

Data source: U.S. Energy Information Administration, Office of Energy Demand and Integrated 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.

^a Consumption and expenditures for biomass (wood), coal, district steam, and solar thermal are excluded. Electricity consumption from on-site solar photovoltaic generation (that is, solar panels) is included.

^b Total 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.

^c 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, while urban clusters have at least 2,500 but less than 50,000 people. All other areas are rural.

^d 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/Cold.

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

^f 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.

^g Some other fuel includes coal and district steam.