

Data release date: June 2023  
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**Table CE3.6 Annual household site end-use expenditures in the United States—totals and averages, 2020**

	Number of housing units (million)	Total energy expenditures <sup>a</sup> (billion dollars)						Average energy expenditures <sup>a</sup> (dollars per household using the end use)					
		Total U.S. <sup>b</sup>	Total	Space heating <sup>c</sup>	Water heating	Air conditioning	Refrigerators	Other <sup>d</sup>	Total	Space heating <sup>c</sup>	Water heating	Air conditioning	Refrigerators
<b>All homes</b>	123.53	232.76	60.78	35.33	32.77	14.27	89.61	1,884	519	287	299	116	725
<b>Census region and division</b>													
Northeast	21.92	49.60	16.66	7.40	4.77	2.88	17.89	2,263	769	339	245	132	816
New England	5.88	14.92	5.31	2.08	1.16	0.86	5.51	2,539	914	357	234	147	937
Middle Atlantic	16.04	34.68	11.35	5.32	3.61	2.02	12.38	2,162	715	333	248	127	772
Midwest	27.04	51.18	17.26	6.18	5.11	3.10	19.53	1,892	644	229	202	115	722
East North Central	18.55	35.51	12.14	4.20	3.37	2.16	13.64	1,915	662	227	196	117	735
West North Central	8.50	15.66	5.12	1.98	1.73	0.93	5.90	1,844	606	234	215	111	694
South	46.84	86.14	17.93	13.91	16.84	4.83	32.63	1,839	412	297	382	104	697
South Atlantic	24.84	45.96	9.60	7.77	8.57	2.63	17.39	1,850	431	314	367	106	700
East South Central	7.38	13.89	3.57	2.26	2.23	0.74	5.09	1,882	490	306	323	101	689
West South Central	14.62	26.30	4.76	3.88	6.04	1.47	10.15	1,799	340	266	436	101	694
West	27.72	45.84	8.92	7.84	6.06	3.46	19.55	1,653	355	284	293	125	705
Mountain	9.22	15.24	3.25	2.13	2.82	0.95	6.08	1,653	367	232	353	104	660
Mountain North	4.62	6.80	2.08	0.96	0.58	0.44	2.74	1,474	456	208	153	96	594
Mountain South	4.60	8.43	1.17	1.17	2.24	0.51	3.34	1,833	273	256	531	111	725
Pacific	18.51	30.60	5.67	5.71	3.23	2.51	13.47	1,653	349	310	256	136	728
<b>Census urban/rural classification<sup>e</sup></b>													
Urban	100.44	180.76	44.72	27.24	26.96	11.47	70.37	1,800	472	272	303	115	701
Urbanized area	89.24	161.24	38.85	24.27	24.54	10.34	63.23	1,807	464	273	310	117	709
Urban cluster	11.20	19.52	5.87	2.97	2.42	1.12	7.13	1,743	539	267	250	101	637
Rural	23.09	51.99	16.06	8.08	5.81	2.80	19.24	2,252	716	351	282	122	833

**Table CE3.6 Annual household site end-use expenditures in the United States—totals and averages, 2020**

	Number of housing units (million)	Total energy expenditures <sup>a</sup> (billion dollars)						Average energy expenditures <sup>a</sup> (dollars per household using the end use)					
		Total U.S. <sup>b</sup>	Space heating <sup>c</sup>	Water heating	Air conditioning	Refrigerators	Other <sup>d</sup>	Total	Space heating <sup>c</sup>	Water heating	Air conditioning	Refrigerators	Other <sup>d</sup>
<b>All homes</b>	123.53	232.76	60.78	35.33	32.77	14.27	89.61	1,884	519	287	299	116	725
<b>Climate region<sup>f</sup></b>													
Very cold and Cold	42.50	82.82	28.77	10.70	6.99	4.93	31.42	1,948	684	253	186	117	739
Mixed-humid	36.79	73.72	20.81	11.94	10.20	4.12	26.66	2,004	574	325	296	112	725
Mixed-dry and Hot-dry	15.06	26.07	3.49	3.99	5.03	2.07	11.49	1,732	262	266	388	138	763
Hot-humid	22.31	39.57	5.02	6.32	10.12	2.39	15.71	1,774	264	285	482	108	704
Marine	6.87	10.57	2.69	2.38	0.44	0.75	4.31	1,540	417	347	124	111	628
<b>Housing unit type</b>													
Single-family detached	77.07	169.90	46.53	22.31	24.42	10.05	66.59	2,205	625	290	350	131	864
Single-family attached	7.45	12.32	3.33	1.95	1.63	0.82	4.59	1,653	476	262	248	111	616
Apartments in buildings with 2–4 units	9.34	13.14	3.30	2.68	1.64	0.86	4.67	1,406	378	288	217	93	499
Apartments in buildings with 5 or more units	22.84	25.28	4.51	5.97	3.33	1.92	9.56	1,107	220	262	170	85	419
Mobile homes	6.83	12.12	3.11	2.43	1.75	0.63	4.20	1,773	476	357	289	93	614
<b>Ownership of housing unit</b>													
Owned	82.92	177.03	48.48	23.79	25.10	10.71	68.96	2,135	607	288	332	130	832
Single-family	73.22	161.09	44.49	20.73	22.85	9.70	63.33	2,200	628	284	342	133	865
Apartments	4.32	6.37	1.52	1.18	0.89	0.49	2.30	1,474	397	274	225	113	533
Mobile homes	5.38	9.57	2.48	1.88	1.37	0.52	3.33	1,779	480	350	287	97	619
Rented <sup>g</sup>	40.61	55.72	12.30	11.54	7.67	3.56	20.65	1,372	330	285	226	89	508
Single-family	11.30	21.12	5.38	3.52	3.20	1.17	7.86	1,869	509	313	340	104	695
Apartments	27.86	32.05	6.29	7.46	4.09	2.29	11.93	1,151	248	269	176	83	428
Mobile homes	1.45	2.54	0.63	0.55	0.38	0.11	0.87	1,752	462	382	296	77	598

**Table CE3.6 Annual household site end-use expenditures in the United States—totals and averages, 2020**

	Number of housing units (million)	Total energy expenditures <sup>a</sup> (billion dollars)						Average energy expenditures <sup>a</sup> (dollars per household using the end use)					
		Total U.S. <sup>b</sup>	Total	Space heating <sup>c</sup>	Water heating	Air conditioning	Refrigerators	Other <sup>d</sup>	Total	Space heating <sup>c</sup>	Water heating	Air conditioning	Refrigerators
<b>All homes</b>	123.53	232.76	60.78	35.33	32.77	14.27	89.61	1,884	519	287	299	116	725
<b>Year of construction</b>													
Before 1950	20.26	40.63	13.86	5.61	4.66	2.34	14.16	2,006	705	278	276	116	699
1950 to 1959	12.48	24.31	7.46	3.32	3.39	1.45	8.68	1,948	619	266	308	117	696
1960 to 1969	12.76	23.64	6.42	3.43	3.35	1.50	8.95	1,854	529	269	299	118	701
1970 to 1979	18.34	33.27	8.95	5.11	4.84	2.00	12.37	1,814	522	279	302	110	675
1980 to 1989	16.30	29.38	7.07	4.66	4.49	1.82	11.34	1,802	465	287	312	112	696
1990 to 1999	17.16	33.38	7.44	5.25	4.85	2.12	13.73	1,946	457	307	310	124	800
2000 to 2009	16.16	31.15	6.35	4.99	4.76	1.96	13.08	1,927	420	310	320	122	809
2010 to 2015	5.53	9.56	1.80	1.68	1.37	0.62	4.09	1,730	345	305	268	113	740
2016 to 2020	4.56	7.44	1.43	1.29	1.05	0.45	3.21	1,633	329	284	247	100	704
<b>Total square footage<sup>h</sup></b>													
Less than 1,000	30.01	36.94	7.78	8.00	4.70	2.59	13.88	1,231	284	267	186	87	463
1,000 to 1,499	28.08	45.60	11.16	8.14	6.55	2.86	16.88	1,624	424	291	267	102	601
1,500 to 1,999	22.22	43.49	11.46	6.39	6.40	2.69	16.55	1,957	540	289	325	122	745
2,000 to 2,499	15.62	33.92	9.38	4.49	4.93	1.99	13.13	2,172	622	288	346	128	841
2,500 to 2,999	10.31	24.22	6.89	2.96	3.45	1.43	9.49	2,349	681	288	360	139	921
3,000 or more	17.29	48.59	14.11	5.36	6.74	2.71	19.67	2,809	831	310	414	157	1,137
<b>Number of household members</b>													
1 member	33.59	45.57	14.01	6.19	6.23	3.18	15.97	1,357	443	184	217	96	475
2 members	45.31	86.16	23.58	11.93	12.01	5.41	33.21	1,901	544	264	293	120	733
3 members	18.27	39.46	9.65	6.33	5.52	2.25	15.71	2,160	553	348	342	123	860
4 members	15.56	35.24	7.96	6.18	5.10	1.99	14.00	2,265	540	399	367	128	900
5 members	6.44	15.25	3.20	2.68	2.32	0.84	6.22	2,368	533	418	400	130	965



**Table CE3.6 Annual household site end-use expenditures in the United States—totals and averages, 2020**

	Number of housing units (million)	Total energy expenditures <sup>a</sup> (billion dollars)						Average energy expenditures <sup>a</sup> (dollars per household using the end use)					
		Total U.S. <sup>b</sup>	Total	Space heating <sup>c</sup>	Water heating	Air condi- tioning	Refrig- erators	Other <sup>d</sup>	Total	Space heating <sup>c</sup>	Water heating	Air condi- tioning	Refrig- erators
<b>All homes</b>	123.53	232.76	60.78	35.33	32.77	14.27	89.61	1,884	519	287	299	116	725
Does not use heating equipment	5.79	7.94	N	1.74	1.95	0.62	3.62	1,371	N	309	439	109	626

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.

<sup>a</sup> Consumption and expenditures for biomass (wood), coal, district steam, and solar thermal are excluded.

<sup>b</sup> *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.

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

<sup>d</sup> Includes end uses not shown in this table. A more detailed breakout of end uses is shown in the *CE5* tables.

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

<sup>h</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.

<sup>i</sup> *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.

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**Relative standard errors (RSEs) for Table CE3.6 Annual household site end-use expenditures in the United States—totals and averages, 2020**

	RSEs for number of housing units	RSEs for total energy expenditures <sup>a</sup>						RSEs for average energy expenditures <sup>a</sup>					
		Total U.S. <sup>b</sup>	Total	Space heating <sup>c</sup>	Water heating	Air conditioning	Refrigerators	Other <sup>d</sup>	Total	Space heating <sup>c</sup>	Water heating	Air conditioning	Refrigerators
<b>All homes</b>	0.00	0.35	0.51	0.63	0.66	0.36	0.51	0.35	0.53	0.62	0.62	0.35	0.51
<b>Census region and division</b>													
Northeast	0.00	0.88	1.20	1.66	1.92	0.98	1.41	0.88	1.24	1.64	1.71	0.96	1.41
New England	0.00	1.25	1.78	2.03	2.75	1.67	1.92	1.25	1.79	2.00	2.68	1.63	1.92
Middle Atlantic	0.00	1.26	1.54	2.16	2.38	1.27	2.06	1.26	1.57	2.15	2.13	1.25	2.06
Midwest	0.00	0.75	1.14	1.46	1.55	0.96	1.14	0.75	1.14	1.45	1.47	0.96	1.14
East North Central	0.00	1.00	1.62	1.85	1.87	1.13	1.52	1.00	1.62	1.83	1.75	1.16	1.52
West North Central	0.00	0.94	1.56	2.28	2.19	1.36	1.57	0.94	1.53	2.28	2.02	1.31	1.57
South	0.00	0.59	0.99	1.02	1.03	0.68	0.81	0.59	1.03	1.02	1.05	0.67	0.81
South Atlantic	0.00	0.89	1.47	1.31	1.58	0.92	1.23	0.89	1.54	1.31	1.55	0.90	1.23
East South Central	0.00	1.11	1.92	2.01	1.89	1.72	1.85	1.11	1.87	2.01	1.95	1.67	1.85
West South Central	0.00	1.04	1.75	1.66	1.86	1.48	1.54	1.04	1.78	1.66	1.82	1.45	1.54
West	0.00	0.86	1.39	1.18	1.97	0.88	1.23	0.86	1.54	1.17	1.67	0.89	1.23
Mountain	0.00	1.12	1.70	1.69	2.42	1.26	1.69	1.12	1.66	1.67	2.08	1.25	1.69
Mountain North	0.00	1.53	2.05	2.88	3.66	1.85	2.12	1.53	1.96	2.85	3.34	1.84	2.12
Mountain South	0.00	1.65	3.11	2.42	2.63	1.55	2.54	1.65	3.19	2.41	2.35	1.54	2.54
Pacific	0.00	1.13	1.94	1.29	3.40	1.21	1.63	1.13	2.18	1.31	2.85	1.23	1.63
<b>Census urban/rural classification<sup>e</sup></b>													
Urban	0.28	0.53	0.70	0.78	0.85	0.54	0.70	0.43	0.70	0.75	0.74	0.42	0.60
Urbanized area	0.42	0.61	0.79	0.85	0.93	0.66	0.82	0.45	0.77	0.85	0.78	0.46	0.63
Urban cluster	2.74	2.99	3.34	2.92	3.71	3.22	3.30	1.24	2.15	1.72	2.28	1.30	1.50

**Relative standard errors (RSEs) for Table CE3.6 Annual household site end-use expenditures in the United States—totals and averages, 2020**

	RSEs for number of housing units	RSEs for total energy expenditures <sup>a</sup>						RSEs for average energy expenditures <sup>a</sup>					
		Total U.S. <sup>b</sup>	Total	Space heating <sup>c</sup>	Water heating	Air conditioning	Refrigerators	Other <sup>d</sup>	Total	Space heating <sup>c</sup>	Water heating	Air conditioning	Refrigerators
<b>All homes</b>	0.00	0.35	0.51	0.63	0.66	0.36	0.51	0.35	0.53	0.62	0.62	0.35	0.51
Rural	1.23	1.37	1.69	1.67	2.04	1.71	1.75	0.75	1.32	1.20	1.45	1.06	1.28
<b>Climate region<sup>f</sup></b>													
Very cold and Cold	0.54	0.69	0.84	1.13	1.30	0.85	1.04	0.54	0.74	0.99	1.07	0.72	0.95
Mixed-humid	0.77	1.12	1.37	1.39	1.40	1.31	1.34	0.74	1.04	1.24	1.11	0.88	1.04
Mixed-dry and Hot-dry	1.23	1.70	3.33	1.93	2.19	1.86	2.12	1.40	3.14	1.81	1.90	1.44	1.79
Hot-humid	0.69	1.35	2.41	1.63	1.66	1.38	1.77	1.04	1.92	1.33	1.50	1.05	1.60
Marine	2.39	2.81	3.33	2.84	6.30	3.79	3.69	1.96	2.83	2.37	5.56	2.46	2.82
<b>Housing unit type</b>													
Single-family detached	0.00	0.42	0.65	0.77	0.71	0.52	0.61	0.42	0.66	0.75	0.75	0.50	0.61
Single-family attached	0.00	1.35	2.23	2.16	2.78	1.68	1.77	1.35	2.27	2.15	2.73	1.67	1.77
Apartments in buildings with 2–4 units	0.00	1.72	2.43	2.01	3.94	2.08	3.22	1.72	2.59	1.99	3.51	2.02	3.22
Apartments in buildings with 5 or more units	0.00	1.24	2.43	1.89	2.02	1.07	1.63	1.24	2.54	1.91	1.82	1.00	1.63
Mobile homes	0.00	1.48	2.95	2.75	2.77	2.20	2.57	1.48	3.06	2.80	2.43	2.13	2.57
<b>Ownership of housing unit</b>													
Owned	0.42	0.58	0.70	0.81	0.89	0.65	0.74	0.44	0.64	0.69	0.79	0.55	0.64
Single-family	0.36	0.53	0.68	0.75	0.83	0.62	0.71	0.46	0.67	0.70	0.78	0.55	0.66
Apartments	4.13	6.12	7.77	6.32	6.31	5.29	7.50	4.10	5.96	4.41	4.45	3.10	5.80
Mobile homes	2.05	2.82	4.14	3.80	3.96	3.16	3.77	1.57	3.25	3.15	3.17	2.19	2.78
Rented <sup>g</sup>	0.86	1.35	1.89	1.62	2.00	1.32	1.54	0.87	1.41	1.42	1.41	0.89	1.16
Single-family	2.35	2.83	3.81	3.14	3.94	2.73	2.98	1.19	2.49	2.03	2.41	1.75	1.72

**Relative standard errors (RSEs) for Table CE3.6 Annual household site end-use expenditures in the United States—totals and averages, 2020**

	RSEs for number of housing units	RSEs for total energy expenditures <sup>a</sup>						RSEs for average energy expenditures <sup>a</sup>					
		Total U.S. <sup>b</sup>	Total	Space heating <sup>c</sup>	Water heating	Air conditioning	Refrigerators	Other <sup>d</sup>	Total	Space heating <sup>c</sup>	Water heating	Air conditioning	Refrigerators
<b>All homes</b>	0.00	0.35	0.51	0.63	0.66	0.36	0.51	0.35	0.53	0.62	0.62	0.35	0.51
Apartments	0.64	1.26	2.06	1.83	1.98	1.32	1.67	1.07	1.97	1.72	1.66	0.96	1.50
Mobile homes	7.62	7.76	9.76	9.55	9.03	8.66	8.66	3.89	7.40	6.27	5.43	4.81	5.79
<b>Year of construction</b>													
Before 1950	0.00	1.12	1.65	1.80	2.10	1.24	1.54	1.12	1.63	1.79	2.00	1.22	1.54
1950 to 1959	0.00	1.53	2.08	2.55	2.34	1.48	2.01	1.53	1.99	2.53	2.22	1.48	2.01
1960 to 1969	0.00	1.52	2.13	2.25	3.50	1.98	2.03	1.52	2.08	2.25	3.26	1.93	2.03
1970 to 1979	0.00	1.13	1.82	1.55	2.10	1.20	1.55	1.13	1.80	1.54	2.03	1.19	1.55
1980 to 1989	0.00	1.29	2.12	1.68	2.15	1.39	1.78	1.29	2.16	1.68	2.03	1.39	1.78
1990 to 1999	0.00	1.22	1.74	1.61	2.47	1.19	1.75	1.22	1.80	1.61	2.33	1.18	1.75
2000 to 2009	0.00	1.14	1.63	1.28	1.97	1.46	1.67	1.14	1.67	1.27	1.90	1.41	1.67
2010 to 2015	2.84	3.68	4.02	3.77	4.66	3.68	4.43	1.99	3.01	2.44	3.05	1.90	2.90
2016 to 2020	3.44	4.17	5.26	4.04	5.18	4.00	5.02	2.40	3.54	3.11	4.03	2.34	3.44
<b>Total square footage<sup>h</sup></b>													
Less than 1,000	1.20	1.71	2.06	2.16	2.31	1.67	2.13	1.07	1.88	1.69	1.68	1.03	1.56
1,000 to 1,499	1.54	1.72	2.26	2.07	2.28	1.89	1.80	0.77	1.49	1.33	1.59	1.09	1.07
1,500 to 1,999	1.59	1.72	1.93	2.20	2.33	1.87	1.96	0.80	1.32	1.57	1.69	1.06	1.17
2,000 to 2,499	2.32	2.52	2.76	2.96	3.40	2.65	2.56	0.83	1.37	1.56	2.25	1.05	1.16
2,500 to 2,999	2.55	2.59	3.01	2.90	3.34	2.95	2.80	1.00	1.87	1.68	2.25	1.76	1.50
3,000 or more	1.93	2.05	2.15	2.10	2.79	2.37	2.49	0.96	1.52	1.57	1.80	1.22	1.41
<b>Number of household members</b>													
1 member	1.25	1.56	1.81	1.94	1.95	1.61	1.87	0.84	1.24	1.26	1.33	0.83	1.22
2 members	1.15	1.23	1.35	1.54	1.68	1.47	1.39	0.70	1.15	0.97	1.22	0.81	0.91



**Relative standard errors (RSEs) for Table CE3.6 Annual household site end-use expenditures in the United States—totals and averages, 2020**

	RSEs for number of housing units	RSEs for total energy expenditures <sup>a</sup>						RSEs for average energy expenditures <sup>a</sup>					
		Total U.S. <sup>b</sup>	Total	Space heating <sup>c</sup>	Water heating	Air conditioning	Refrigerators	Other <sup>d</sup>	Total	Space heating <sup>c</sup>	Water heating	Air conditioning	Refrigerators
<b>All homes</b>	0.00	0.35	0.51	0.63	0.66	0.36	0.51	0.35	0.53	0.62	0.62	0.35	0.51
3 members	1.87	1.82	2.27	2.54	2.57	2.29	2.04	0.98	2.07	1.67	1.86	1.44	1.14
4 members	2.08	2.27	2.78	2.75	3.01	2.62	2.45	1.16	2.08	1.44	2.15	1.44	1.53
5 members	4.12	4.32	4.90	4.47	5.68	4.66	4.70	1.80	2.72	2.27	3.89	2.28	2.54
6 or more members	4.58	4.58	6.67	4.80	5.89	5.00	4.98	2.16	5.52	3.07	3.32	2.64	2.79
<b>2020 annual household income</b>													
Less than \$5,000	4.63	5.23	6.79	6.27	6.47	5.47	6.05	2.78	5.03	4.12	4.43	2.83	4.18
\$5,000 to \$9,999	5.53	5.74	6.56	6.78	8.29	5.71	6.21	2.45	4.29	4.35	5.35	3.02	3.33
\$10,000 to \$19,999	3.21	3.25	3.78	3.75	4.77	3.70	3.48	1.61	2.33	2.07	2.98	1.73	2.65
\$20,000 to \$39,999	1.98	2.04	2.21	2.35	2.62	2.35	2.36	1.04	1.61	1.22	1.78	1.25	1.44
\$40,000 to \$59,999	1.83	1.95	2.13	2.50	2.72	2.06	2.28	1.18	1.85	1.79	2.16	1.12	1.44
\$60,000 to \$99,999	1.58	1.60	2.04	1.89	2.31	1.66	1.61	0.72	1.24	1.25	1.65	0.73	1.05
\$100,000 to \$149,999	1.83	2.12	2.24	2.76	3.05	2.14	2.46	1.16	1.88	2.00	2.04	1.14	1.44
\$150,000 or more	1.93	2.17	2.41	2.41	2.70	2.36	2.48	1.04	1.65	1.40	1.80	1.17	1.45
<b>Payment method for energy bills</b>													
All paid by household	0.27	0.40	0.53	0.66	0.67	0.45	0.57	0.36	0.53	0.58	0.66	0.39	0.55
Some paid by household, some included in rent or condo fee	3.90	4.38	5.37	5.86	5.27	3.90	4.94	2.66	4.09	4.00	3.54	2.09	3.77
All included in rent or condo fee	4.78	5.45	6.44	6.69	6.84	5.57	5.54	2.47	4.28	4.25	4.17	2.28	3.24
Some other method	25.04	29.01	41.55	23.96	39.14	28.89	26.04	14.65	29.01	9.43	22.64	14.99	16.99
<b>Main heating fuel</b>													
Natural gas	0.77	0.89	0.96	1.12	1.31	0.94	1.01	0.56	0.82	0.88	0.93	0.61	0.73
Electricity	0.92	1.11	1.58	1.21	1.42	1.15	1.47	0.78	1.32	1.11	1.30	0.79	1.11

**Relative standard errors (RSEs) for Table CE3.6 Annual household site end-use expenditures in the United States—totals and averages, 2020**

	RSEs for number of housing units	RSEs for total energy expenditures <sup>a</sup>						RSEs for average energy expenditures <sup>a</sup>					
		Total U.S. <sup>b</sup>	Total	Space heating <sup>c</sup>	Water heating	Air conditioning	Refrigerators	Other <sup>d</sup>	Total	Space heating <sup>c</sup>	Water heating	Air conditioning	Refrigerators
<b>All homes</b>	0.00	0.35	0.51	0.63	0.66	0.36	0.51	0.35	0.53	0.62	0.62	0.35	0.51
Fuel oil or kerosene	3.50	3.26	3.60	4.05	5.38	3.72	3.67	1.42	2.43	2.95	3.34	1.87	2.12
Propane	3.76	4.22	4.79	4.73	5.08	4.17	4.53	1.54	2.42	2.49	3.41	2.12	2.35
Wood	4.88	6.04	9.51	6.33	9.22	6.80	6.56	2.39	7.06	3.30	6.77	3.76	3.45
Some other fuel <sup>i</sup>	35.67	35.97	75.71	36.19	54.38	38.03	39.05	13.54	74.36	16.48	30.26	15.18	23.75
Does not use heating equipment	4.41	4.58	0.00	4.88	5.78	4.20	4.99	2.27	0.00	2.75	4.18	2.24	3.01

**Relative standard errors (RSEs) for Table CE3.6 Annual household site end-use expenditures in the United States—totals and averages, 2020**

	RSEs for number of housing units	RSEs for total energy expenditures <sup>a</sup>						RSEs for average energy expenditures <sup>a</sup>						
		Total U.S. <sup>b</sup>	Total	Space heating <sup>c</sup>	Water heating	Air conditioning	Refrigerators	Other <sup>d</sup>	Total	Space heating <sup>c</sup>	Water heating	Air conditioning	Refrigerators	Other <sup>d</sup>
		<b>All homes</b>	0.00	0.35	0.51	0.63	0.66	0.36	0.51	0.35	0.53	0.62	0.62	0.35

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> Consumption and expenditures for biomass (wood), coal, district steam, and solar thermal are excluded.

<sup>b</sup> *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.

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

<sup>d</sup> Includes end uses not shown in this table. A more detailed breakout of end uses is shown in the *CE5* tables.

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

<sup>h</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.

<sup>i</sup> *Some other fuel* includes coal and district steam.