

Data release date: June 2023

Revised data release date: March 2024

**Table CE3.8 Annual household site end-use expenditures in the Midwest—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 Mid-west <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>	27.04	51.18	17.26	6.18	5.11	3.10	19.53	1,892	644	229	202	115	722
<b>Census division</b>													
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
<b>Census urban/rural classification<sup>e</sup></b>													
Urban	20.77	36.39	11.87	4.11	3.98	2.30	14.13	1,752	575	198	204	111	680
Urbanized area	17.20	30.32	9.79	3.38	3.37	1.95	11.84	1,763	573	197	209	114	688
Urban cluster	3.57	6.07	2.08	0.73	0.61	0.35	2.29	1,702	586	206	183	99	643
Rural	6.28	14.79	5.39	2.07	1.13	0.80	5.41	2,356	875	331	195	128	861
<b>Climate region<sup>f</sup></b>													
Very cold and Cold	22.09	41.44	14.20	4.92	3.76	2.54	16.03	1,876	649	223	183	116	726
Mixed-humid	4.96	9.74	3.06	1.26	1.35	0.56	3.51	1,966	622	255	285	113	708
Mixed-dry and Hot-dry	N	N	N	N	N	N	N	N	N	N	N	N	N
Hot-humid	N	N	N	N	N	N	N	N	N	N	N	N	N
Marine	N	N	N	N	N	N	N	N	N	N	N	N	N
<b>Housing unit type</b>													
Single-family detached	18.58	40.61	13.87	4.42	4.10	2.38	15.84	2,186	752	239	234	129	852
Single-family attached	1.33	2.18	0.72	0.25	0.22	0.15	0.85	1,636	542	190	170	110	639
Apartments in buildings with 2–4 units	1.95	2.55	0.92	0.42	0.24	0.16	0.80	1,308	473	215	145	86	410

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		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>	27.04	51.18	17.26	6.18	5.11	3.10	19.53	1,892	644	229	202	115	722
Apartments in buildings with 5 or more units	4.20	4.09	1.16	0.80	0.40	0.32	1.42	974	282	189	104	75	337
Mobile homes	0.97	1.74	0.58	0.29	0.14	0.09	0.63	1,784	615	299	161	93	645
<b>Ownership of housing unit</b>													
Owned	19.48	41.29	14.10	4.50	4.13	2.48	16.08	2,119	729	232	222	128	825
Single-family	17.73	38.60	13.13	4.08	3.88	2.31	15.18	2,177	746	231	230	131	856
Apartments	0.94	1.23	0.47	0.18	0.12	0.09	0.37	1,317	506	187	134	100	395
Mobile homes	0.81	1.46	0.49	0.24	0.12	0.08	0.52	1,790	622	297	162	97	644
Rented <sup>e</sup>	7.56	9.89	3.16	1.68	0.98	0.61	3.46	1,308	424	222	147	82	457
Single-family	2.19	4.20	1.46	0.59	0.43	0.22	1.51	1,921	676	270	229	99	689
Apartments	5.22	5.41	1.61	1.04	0.52	0.39	1.85	1,038	314	199	113	75	354
Mobile homes	0.16	0.28	0.09	0.05	0.02	0.01	0.10	1,751	582	305	159	73	651
<b>Year of construction</b>													
Before 1950	6.11	12.16	4.63	1.34	1.24	0.67	4.28	1,989	773	219	230	110	699
1950 to 1959	3.18	6.13	2.18	0.67	0.66	0.36	2.27	1,930	690	210	226	114	715
1960 to 1969	2.90	5.08	1.76	0.57	0.55	0.32	1.89	1,754	610	197	199	111	652
1970 to 1979	4.05	7.68	2.74	0.94	0.76	0.45	2.79	1,898	682	233	202	113	688
1980 to 1989	2.71	4.50	1.48	0.59	0.45	0.29	1.70	1,662	547	217	178	106	626
1990 to 1999	3.56	7.22	2.13	0.84	0.66	0.46	3.12	2,028	602	237	193	130	877
2000 to 2009	2.95	5.68	1.59	0.78	0.53	0.37	2.41	1,926	542	266	185	127	815
2010 to 2015	0.86	1.56	0.43	0.25	0.15	0.10	0.63	1,804	506	284	177	116	735
2016 to 2020	0.73	1.17	0.33	0.21	0.10	0.07	0.45	1,605	452	290	142	100	626
<b>Total square footage<sup>h</sup></b>													

**Table CE3.8 Annual household site end-use expenditures in the Midwest—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 Mid-west <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>	27.04	51.18	17.26	6.18	5.11	3.10	19.53	1,892	644	229	202	115	722
Less than 1,000	5.29	6.13	1.95	1.05	0.55	0.41	2.18	1,159	373	198	114	78	411
1,000 to 1,499	5.28	8.46	2.83	1.22	0.81	0.52	3.07	1,601	544	232	170	99	581
1,500 to 1,999	4.73	9.00	3.05	1.08	0.96	0.53	3.38	1,905	651	230	216	113	714
2,000 to 2,499	3.79	8.04	2.78	0.91	0.81	0.47	3.07	2,122	741	241	231	125	810
2,500 to 2,999	2.92	6.35	2.22	0.63	0.63	0.39	2.49	2,175	766	215	226	133	853
3,000 or more	5.03	13.19	4.42	1.29	1.34	0.78	5.35	2,621	885	257	275	155	1,063
<b>Number of household members</b>													
1 member	7.74	10.76	4.22	1.14	1.00	0.72	3.67	1,390	550	147	140	95	475
2 members	10.41	20.32	6.93	2.28	1.98	1.27	7.86	1,952	674	220	200	123	755
3 members	3.62	7.86	2.44	1.04	0.83	0.44	3.11	2,173	676	288	251	122	858
4 members	3.08	6.94	2.14	0.96	0.71	0.38	2.74	2,252	706	313	250	125	890
5 members	1.36	3.14	0.91	0.45	0.36	0.16	1.26	2,309	670	328	287	117	929
6 or more members	0.83	2.16	0.62	0.31	0.22	0.12	0.89	2,595	750	377	285	147	1,071
<b>2020 annual household income</b>													
Less than \$5,000	1.01	1.60	0.53	0.25	0.12	0.08	0.62	1,575	518	249	152	83	609
\$5,000 to \$9,999	0.92	1.31	0.42	0.22	0.12	0.08	0.48	1,430	470	237	153	87	523
\$10,000 to \$19,999	2.31	3.25	1.22	0.46	0.29	0.21	1.07	1,411	536	198	147	90	466
\$20,000 to \$39,999	5.27	8.87	3.22	1.15	0.85	0.52	3.12	1,684	620	219	177	100	593
\$40,000 to \$59,999	4.28	7.47	2.60	0.93	0.72	0.47	2.76	1,745	612	217	183	110	644
\$60,000 to \$99,999	6.42	12.56	4.14	1.54	1.28	0.74	4.85	1,957	647	241	207	116	756
\$100,000 to \$149,999	3.71	8.07	2.65	0.84	0.85	0.50	3.22	2,178	724	226	235	136	870
\$150,000 or more	3.14	8.05	2.49	0.80	0.86	0.49	3.41	2,568	798	256	281	157	1,087
<b>Payment method for energy bills</b>													

**Table CE3.8 Annual household site end-use expenditures in the Midwest—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 Mid-west <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>	27.04	51.18	17.26	6.18	5.11	3.10	19.53	1,892	644	229	202	115	722
All paid by household	24.66	48.65	16.41	5.78	4.89	2.91	18.66	1,973	671	235	211	119	757
Some paid by household, some included in rent or condo fee	1.50	1.61	0.54	0.25	0.14	0.12	0.56	1,078	364	166	109	81	376
All included in rent or condo fee	0.84	0.84	0.27	0.15	0.07	0.06	0.29	1,003	333	174	98	77	349
Some other method	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
<b>Main heating fuel</b>													
Natural gas	18.81	35.43	11.20	3.56	3.89	2.28	14.50	1,884	595	189	218	122	771
Electricity	5.20	8.24	3.28	1.41	0.75	0.44	2.36	1,586	631	271	157	85	454
Fuel oil or kerosene	0.28	0.76	0.39	0.10	0.03	0.03	0.21	2,707	1,399	347	119	109	743
Propane	2.12	5.69	2.30	0.87	0.36	0.27	1.88	2,687	1,086	412	189	130	890
Wood	0.51	0.90	0.09	0.20	0.06	0.07	0.48	1,746	235	421	159	129	936
Some other fuel <sup>i</sup>	Q	Q	N	Q	Q	Q	Q	Q	N	Q	Q	Q	Q
Does not use heating equipment	0.12	0.15	N	0.04	Q	0.01	0.09	1,218	N	299	Q	79	769

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		Total Mid-west <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>	27.04	51.18	17.26	6.18	5.11	3.10	19.53	1,892	644	229	202	115	722

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 Midwest* includes all primary occupied housing units in the Midwest Census Region. 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 CE3.8 Annual household site end-use expenditures in the Midwest—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 Mid-west <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	0.75	1.14	1.46	1.55	0.96	1.14	0.75	1.14	1.45	1.47	0.96	1.14	
<b>Census division</b>														
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	
<b>Census urban/rural classification<sup>e</sup></b>														
Urban	0.97	1.38	1.71	1.78	2.09	1.57	1.68	0.91	1.34	1.52	1.78	1.12	1.30	
Urbanized area	1.23	1.68	2.09	2.18	2.43	1.85	2.05	1.09	1.58	1.86	2.06	1.25	1.57	
Urban cluster	4.97	5.60	6.26	6.23	5.94	5.69	5.83	2.12	3.00	3.62	3.12	2.22	3.04	
Rural	3.21	3.35	4.13	4.51	3.42	3.55	3.55	1.48	2.37	3.18	2.41	2.13	2.07	
<b>Climate region<sup>f</sup></b>														
Very cold and Cold	0.49	1.00	1.42	1.79	1.86	1.18	1.36	0.88	1.34	1.74	1.67	1.09	1.27	
Mixed-humid	2.18	3.01	3.75	4.00	3.57	3.28	3.43	1.95	2.75	3.00	2.57	2.45	2.82	
Mixed-dry and Hot-dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Hot-humid	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Marine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
<b>Housing unit type</b>														
Single-family detached	0.00	0.79	1.31	1.68	1.74	1.16	1.21	0.79	1.29	1.67	1.67	1.16	1.21	
Single-family attached	0.00	2.51	2.13	6.00	4.32	3.47	4.39	2.51	2.02	5.98	4.52	3.41	4.39	
Apartments in buildings with 2–4 units	0.00	2.92	4.73	6.53	8.07	5.40	4.93	2.92	4.73	6.53	7.77	4.90	4.93	

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	RSEs for number of housing units	RSEs for total energy expenditures <sup>a</sup>						RSEs for average energy expenditures <sup>a</sup>						
		Total Midwest <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	0.75	1.14	1.46	1.55	0.96	1.14	0.75	1.14	1.45	1.47	0.96	1.14	
Apartments in buildings with 5 or more units	0.00	2.87	5.87	4.05	4.36	2.46	4.12	2.87	5.78	4.06	4.15	2.44	4.12	
Mobile homes	0.00	3.34	6.00	6.70	8.02	4.83	6.28	3.34	5.52	6.70	7.19	4.69	6.28	
<b>Ownership of housing unit</b>														
Owned	0.87	1.11	1.45	1.95	1.94	1.32	1.35	0.88	1.35	1.75	1.57	1.07	1.20	
Single-family	0.60	1.04	1.42	1.93	1.88	1.25	1.35	0.90	1.37	1.83	1.65	1.19	1.24	
Apartments	11.27	12.88	14.55	12.31	15.47	13.16	13.98	5.14	8.60	6.98	8.11	6.45	6.80	
Mobile homes	4.59	5.32	7.98	8.46	9.18	6.63	7.60	3.68	6.03	7.20	7.92	5.22	6.91	
Rented <sup>e</sup>	2.25	3.11	3.55	4.11	3.93	3.21	4.01	1.65	2.61	3.16	2.94	2.22	2.78	
Single-family	4.85	5.45	6.59	6.70	7.27	6.00	5.91	2.24	3.77	4.58	4.38	3.56	3.67	
Apartments	2.02	2.90	3.89	4.66	4.75	3.10	4.40	2.18	3.65	4.11	4.02	2.35	3.86	
Mobile homes	23.49	24.10	25.74	28.43	27.41	23.05	28.61	11.49	16.14	22.01	15.18	11.66	17.00	
<b>Year of construction</b>														
Before 1950	0.00	1.80	2.63	3.18	3.82	2.19	2.67	1.80	2.53	3.20	3.59	2.21	2.67	
1950 to 1959	0.00	2.90	3.76	5.63	4.37	3.14	3.80	2.90	3.71	5.63	4.13	2.95	3.80	
1960 to 1969	0.00	2.76	3.73	4.01	4.88	3.70	4.06	2.76	3.50	4.01	4.63	3.61	4.06	
1970 to 1979	0.00	2.31	3.37	4.16	3.40	2.44	2.91	2.31	3.38	4.15	3.33	2.43	2.91	
1980 to 1989	0.00	2.65	3.58	4.43	5.06	3.32	3.66	2.65	3.58	4.43	4.96	3.27	3.66	
1990 to 1999	0.00	2.46	3.10	4.53	3.71	3.14	3.96	2.46	3.09	4.45	3.73	3.14	3.96	
2000 to 2009	0.00	2.73	3.64	3.71	4.69	3.27	3.50	2.73	3.71	3.73	4.51	3.27	3.50	
2010 to 2015	5.76	7.54	8.38	10.06	9.14	6.98	8.24	4.72	5.96	7.75	6.86	4.30	5.87	
2016 to 2020	6.83	9.22	10.71	10.14	11.61	7.64	10.44	5.39	7.29	7.79	8.03	4.61	7.14	

**Relative standard errors (RSEs) for Table CE3.8 Annual household site end-use expenditures in the Midwest—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 Midwest <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	0.75	1.14	1.46	1.55	0.96	1.14	0.75	1.14	1.45	1.47	0.96	1.14
<b>Total square footage<sup>h</sup></b>													
Less than 1,000	3.29	3.58	4.30	4.03	5.56	4.20	4.61	2.12	3.32	3.41	4.10	2.48	3.45
1,000 to 1,499	4.29	4.67	5.38	5.77	5.47	4.85	4.99	1.54	2.76	3.39	2.79	1.88	2.72
1,500 to 1,999	3.84	3.83	4.34	4.57	5.14	4.55	4.14	1.50	2.11	3.33	3.10	2.21	2.53
2,000 to 2,499	3.93	3.82	4.55	5.28	5.34	4.41	4.08	1.91	2.98	4.28	4.23	2.38	2.35
2,500 to 2,999	4.68	5.32	6.14	5.84	6.18	5.68	5.72	2.18	3.52	5.05	3.24	3.17	2.65
3,000 or more	3.47	3.95	4.38	5.09	5.11	4.13	4.42	1.80	2.84	4.04	2.99	2.39	2.54
<b>Number of household members</b>													
1 member	3.09	3.80	3.78	4.19	5.13	3.70	4.56	1.79	2.27	2.28	3.31	1.64	2.86
2 members	2.28	2.56	2.98	3.36	2.83	3.06	2.78	1.35	1.91	2.30	2.28	1.67	1.78
3 members	4.59	5.19	6.12	7.65	5.49	5.52	5.19	2.62	3.81	5.42	3.80	3.62	3.20
4 members	5.39	5.81	6.76	6.49	6.73	6.26	6.31	1.96	3.99	4.34	3.17	2.65	2.85
5 members	7.66	8.50	10.48	8.25	9.30	9.85	9.21	3.31	5.57	5.58	5.23	5.46	5.26
6 or more members	12.00	11.73	12.38	13.90	13.27	12.79	12.21	3.70	6.36	8.17	6.06	6.65	4.48
<b>2020 annual household income</b>													
Less than \$5,000	10.86	12.15	13.35	16.38	13.80	11.36	14.50	6.01	7.36	12.63	10.28	4.57	10.21
\$5,000 to \$9,999	11.72	11.27	12.57	13.59	15.91	14.26	12.09	5.49	8.58	8.87	10.39	8.46	7.19
\$10,000 to \$19,999	6.55	6.83	7.40	8.31	9.35	7.21	8.19	3.69	5.40	4.91	5.97	3.12	5.93
\$20,000 to \$39,999	3.87	4.67	5.35	4.85	5.76	4.67	5.05	2.06	3.15	3.20	3.28	1.98	2.81
\$40,000 to \$59,999	4.29	4.09	4.49	5.10	4.98	4.73	4.71	1.97	3.33	3.86	3.40	1.91	2.38
\$60,000 to \$99,999	3.08	3.09	3.45	3.98	4.06	3.07	3.47	1.46	2.07	3.03	2.62	2.06	2.16
\$100,000 to \$149,999	4.72	4.88	5.48	6.02	6.17	5.28	5.23	2.25	3.56	4.70	3.91	2.43	2.85



**Relative standard errors (RSEs) for Table CE3.8 Annual household site end-use expenditures in the Midwest—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 Mid- west <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	Other <sup>d</sup>
<b>All homes</b>	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	
\$150,000 or more	5.18	5.69	6.15	6.83	5.97	6.09	5.95	2.19	3.36	3.90	4.14	2.53	2.64	
<b>Payment method for energy bills</b>														
All paid by household	0.58	0.84	1.18	1.64	1.65	1.01	1.20	0.83	1.18	1.58	1.55	1.03	1.19	
Some paid by household, some included in rent or condo fee	8.20	9.26	10.61	9.53	12.15	8.84	11.13	4.35	6.65	4.75	7.09	3.36	8.01	
All included in rent or condo fee	10.71	13.10	13.42	13.13	13.96	13.63	16.62	5.80	7.67	6.25	7.78	7.18	10.59	
Some other method	59.10	63.90	68.71	63.60	83.47	57.86	61.72	46.01	56.74	17.19	83.92	33.64	45.38	
<b>Main heating fuel</b>														
Natural gas	1.34	1.64	1.74	2.16	2.38	1.64	1.93	0.88	1.18	1.49	1.72	1.12	1.36	
Electricity	4.18	4.90	5.69	5.76	5.79	4.47	4.90	2.68	3.87	3.45	3.85	2.14	3.16	
Fuel oil or kerosene	20.23	21.86	23.16	24.38	25.76	21.18	22.38	8.76	11.28	15.45	13.90	11.67	10.17	
Propane	6.23	7.10	7.57	7.91	8.68	6.71	7.72	2.65	3.59	4.71	4.30	3.16	3.97	
Wood	13.66	14.65	20.59	16.09	18.23	14.60	15.78	5.64	13.87	9.60	9.65	6.81	7.54	
Some other fuel <sup>l</sup>	14.87	14.87	0.00	14.87	14.87	14.87	14.87	0.00	0.00	0.00	0.00	0.00	0.00	
Does not use heating equipment	32.69	38.51	0.00	37.23	46.21	34.11	43.49	22.15	0.00	23.43	26.39	8.43	30.16	

## Relative standard errors (RSEs) for Table CE3.8 Annual household site end-use expenditures in the Midwest—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 Mid- west <sup>b</sup>	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	Other <sup>d</sup>
<b>All homes</b>	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

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 Midwest* includes all primary occupied housing units in the Midwest Census Region. 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.