Number of

housing

units Total site energy consumption^a (million) (trillion Btu)

		E	lectricity					r	Natural ga	is		F	Propane			F	uel oil or	kerosene		
	Total Mid- west ^b	Total	Total	Space heating ^c	Water heating	Air condi- tioning	Refrig- erators	Other ^d	Total	Space heating ^c	Water heating	Other ^d	Total	Space heating ^c	Water heating	Other ^d	Total	Space heating ^c	Water heating	Other ^d
All homes	27.04	2,619	902	125	91	131	77	478	1,521	1,195	275	51	170	141	19	10	26	23	Q	Q
Census division																				
East North Central	18.55	1,823	591	77	58	84	52	321	1,103	870	193	40	108	89	12	7	21	19	Q	Q
West North Central	8.50	796	310	48	33	47	25	157	419	325	83	11	62	52	7	4	4	4	Q	N
Census urban/rural classification ^e																				
Urban	20.77	1,971	632	77	51	101	57	346	1,325	1,038	244	43	8	6	1	1	6	5	Q	N
Urbanized area	17.20	1,654	513	57	38	85	47	285	1,131	882	211	38	6	4	Q	Q	5	4	Q	N
Urban cluster	3.57	317	119	21	12	17	9	60	194	156	33	5	3	2	Q	Q	Q	Q	N	N
Rural	6.28	648	270	48	40	30	20	132	196	157	31	8	162	135	18	9	20	18	Q	Q
Climate region ^f																				
Very cold and Cold	22.09	2,178	702	94	70	94	61	383	1,306	1,028	233	45	146	123	15	8	25	22	Q	Q
Mixed-humid	4.96	441	200	31	21	38	15	95	215	167	43	6	24	18	4	2	Q	Q	N	Q
Mixed-dry and Hot-dry	N	N	N	N	N	N	N	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	N	N	N	N	N	N	N
Marine	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Housing unit type																				
Single-family detached	18.58	2,144	710	88	64	106	60	392	1,253	1,006	207	41	157	131	17	9	23	21	Q	Q
			37	5	3	5	3	20	74	57	15	41	2	Q	Q	Q	23 Q	Q	Q	N
Single-family attached	1.33	113	57	5	3	5	3	20	/4	57	13	۷۲	<u>۲</u>	ų	ų	ų	ų	ų	ų	
Apartments in buildings with 2-4 units	1.95	125	42	9	5	6	4	18	81	57	21	4	N	N	Ν	N	Q	Q	Q	N
Apartments in buildings with 5 or																				
more units	4.20	164	79	16	13	10	7	33	82	51	28	3	1	1	Q	Q	Q	Q	Q	N
Mobile homes	0.97	73	34	6	6	4	2	15	30	25	5	1	9	8	1	*	Q	Q	N	N
Ownership of housing unit																				
Owned	19.48	2,164	721	93	64	106	62	395	1,266	1,010	213	42	156	129	18	10	21	19	Q	Q
Single-family	17.73	2,041	672	83	57	100	58	374	1,200	961	199	40	148	121	17	10	21	19	Q	Q
Apartments	0.94	61	20	5	2	3	2	8	42	30	10	1	Q	Q	N	N	N	N	N	N
Mobile homes	0.81	61	29	6	5	3	2	13	24	19	4	1	8	7	1	*	Q	Q	N	N
Rented ^g	7.56	456	181	32	27	25	15	83	256	185	62	9	14	12	1	1	4	4	Q	N
Single-family	2.19	216	74	10	10	11	5	37	127	102	22	3	12	11	Q	*	Q	Q	Q	N
Apartments	5.22	227	102	21	16	13	9	43	122	78	40	5	1	1	Q	Q	Q	Q	Q	N
Mobile homes	0.16	12	5	1	1	1	*	2	6	6	Q	*	Q	Q	N	Q	N	N	N	N
Year of construction																				
Before 1950	6.11	672	197	26	19	32	16	104	420	344	63	13	45	40	4	2	9	8	Q	Q
1950 to 1959	3.18	331	99	11	9	17	9	54	209	170	34	6	16	13	1	1	Q	Q	Q	Q
1960 to 1969	2.90	276	84	11	7	13	8	45	177	141	31	5	13	9	2	2	Q	Q	Q	N
1970 to 1979	4.05	373	138	25	15	19	11	68	196	151	38	7	35	32	2	1	4	3	Q	N
1980 to 1989	2.71	214	87	16	10	13	7	42	116	90	23	4	8	6	1	1	Q	Q	Q	Q
1990 to 1999	3.56	354	131	10	10	17	12	77	193	146	40	7	29	23	4	2	Q	Q	N	Q
2000 to 2009	2.95	276	108	14	12	17		60	155	140	34	7	17	13	3	2	Q	Q	N	N N
2010 to 2015	0.86	70	34	5	5	4	3	17	32	25	54 6	1	4	3	3	1	Q	Q	Q	N
2010 (0 2013	0.00	/0	54	<u>з</u>	<u>с</u>	4	3	1/	52	23	0	T	4	3	ų		ų	ų	ų	IN

Number of housing

units Total site energy consumption^a (million) (trillion Btu)

	(million)	(trillion Btu	1)																	
		E	ectricity					!	latural ga	s		P	ropane			F	uel oil or	kerosene		
	Total Mid-			Space	Water	Air condi	Refrig-			Space	Water			Space	Water			Space	Water	
	west⁵	Total	Total	heating ^c	heating	tioning	erators	Other ^a	Total	heating ^c	heating	Other ^d	Total I	neating ^c	heating	Other ^a	Total	heating ^c	heating	Other ^a
All homes	27.04	2,619	902	125	91	131	77	478	1,521	1,195	275	51	170	141	19	10	26	23	Q	Q
2016 to 2020	0.73	54	23	3	4	3	2	12	27	20	6	1	3	2	1	*	Q	Q	Q	N
Total square footage ^h																				
Less than 1,000	5.29	274	111	21	16	13	10	51	151	106	41	5	10	7	1	Q	Q	Q	Q	N
1,000 to 1,499	5.28	422	147	22	19	20	13	74	252	192	51	8	21	16	2	2	Q	Q	Q	Q
1,500 to 1,999	4.73	462	158	21	16	25	13	83	278	223	48	8	23	19	2	1	4	3	Q	Q
2,000 to 2,499	3.79	418	139	17	14	21	12	75	238	193	37	8	36	31	3	1	6	Q	Q	Q
2,500 to 2,999	2.92	337	108	13	8	17	10	62	195	156	33	7	26	22	3	1	Q	Q	Q	Q
3,000 or more	5.03	706	238	31	18	36	20	134	407	325	67	15	56	45	7	4	Q	Q	N	Q
Number of household members																				
1 member	7.74	560	176	32	14	25	17	87	338	274	55	9	35	30	4	1	11	10	Q	Q
2 members	10.41	1,047	351	47	32	50	31	191	609	484	103	21	77	65	8	4	10	10	Q	Q
3 members	3.62	391	147	19	18	22	11	78	214	165	42	7	26	21	2	3	Q	Q	Q	Q
4 members	3.08	357	127	16	14	19	10	69	210	160	43	7	19	14	3	2	Q	Q	Q	N
5 members	1.36	156	61	8	8	10	4	31	88	66	18	3	8	7	Q	Q	Q	Q	N	N
6 or more members	0.83	108	40	4	5	6	3	22	62	46	14	2	6	5	Q	Q	Q	Q	N	N
2020 annual household income																				
Less than \$5,000	1.01	76	30	5	5	3	2	15	42	32	9	1	Q	Q	Q	Q	Q	Q	N	N
\$5,000 to \$9,999	0.92	62	23	3	3	3	2	11	34	25	8	1	2	Q	Q	Q	Q	Q	Q	N
\$10,000 to \$19,999	2.31	159	58	12	7	8	5	26	88	68	18	2	11	10	Q	*	Q	Q	Q	N
\$20,000 to \$39,999	5.27	442	153	25	18	22	13	76	252	200	44	8	32	27	3	1	6	6	Q	N
\$40,000 to \$59,999	4.28	382	127	18	14	18	11	66	229	184	39	6	23	19	2	1	Q	Q	N	N
\$60,000 to \$99,999	6.42	646	220	29	23	33	18	117	372	291	69	12	46	37	6	3	8	6	Q	Q
\$100,000 to \$149,999	3.71	414	144	19	11	22	13	79	238	187	42	9	29	24	4	2	Q	Q	N	Q
\$150,000 or more	3.14	438	146	14	10	23	13	87	266	208	47	11	24	18	3	3	Q	Q	Q	Q
Payment method for energy bills																				
All paid by household	24.66	2,488	859	117	86	126	72	458	1,437	1,138	252	47	168	139	18	10	24	22	Q	Q
Some paid by household, some																				
included in rent or condo fee	1.50	82	26	5	3	3	3	13	53	36	15	2	Q	Q	Q	Q	Q	Q	Q	N
All included in rent or condo fee	0.84	43	16	3	2	2	2	7	26	17	8	Q	Q	Q	N	Q	Q	Q	Q	N
Some other method	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	N	N	N	N	N	N	N	N
Main heating fuel																				
Natural gas	18.81	2,065	559	26	32	98	55	349	1,504	1,193	264	48	1	Q	Q	Q	Q	Q	Q	N
Electricity	5.20	249	229	94	36	22	12	65	14	2	9	2	7	2	2	2	Q	N	Q	Q
Fuel oil or kerosene	0.28	32	9	Q	2	1	1	5	Q	N	Q	Q	Q	Q	Q	Q	22	21	Q	Q
Propane	2.12	239	82	4	16	9	7	46	*	N	N	*	156	137	15	5	Q	Q	N	N
Wood	0.51	28	19	1	4	2	2	11	Q	Q	Q	Q	6	2	2	2	Q	Q	N	Q
Some other fuel ⁱ	Q	Q	Q	N	Q	Q	Q	Q	N	N	N	N	N	N	N	N	N	N	N	N
Does not use heating equipment	0.12	5	4	N	1	Q	*	3	0	N	Q	0			N	N				N

Number of housing units (million	Total	ite energy c n Btu)	onsumptio	nª															
		Electrici	ty					Natural g	as			Propane				Fuel oil or	kerosene		
Tota Mic west	l-	tal Tota	Space I heating ^c		Air condi- tioning		Other ^d	Total	Space heating ^c		Other ^d	Total	Space heating ^c	Water heating	Other ^d	Total	Space heating ^c	Water heating	Other ^d
27.0	4 2,6	19 90	2 125	91	131	77	478	1,521	1,195	275	51	170	141	19	10	26	23	Q	Q

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

All homes

^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 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.

^c Includes main (primary) and secondary space heating.

^d Includes end uses not shown in this table. A more detailed breakout of end uses is shown in the CE5 tables.

^e 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

^f 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 Verycold and Cold .

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

^h 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.

ⁱ 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.

* = Estimate is less than 0.5 and rounds to zero.

Number of

housing

units

(million) Total site energy consumption^a

	E	lectricity	(billion kV	Vh)			M	latural ga	as (billion o	cubic feet)	F	Propane (million gal	llons)	ı	uel oil or	kerosene	(million ga	allons)
	Total																		
	Mid-		Space		Air condi	Refrig-	d		Space	Water	d		Space	Water	d		Space	Water	d
	west⁵	Total	heating ^c	heating	tioning	erators	Other ^a	Total	heating	heating	Other ^ª	Total	heating ^c	heating	Other ^a	Total	heating	heating	Other
All homes	27.04	264	37	27	38	22	140	1,492	1,172	270	50	1,864	1,543	206	114	187	166	Q	Q
Census division																			
East North Central	18.55	173	23	17	24	15	94	1,078	850	188	39	1,181	975	132	74	156	135	Q	Q
West North Central	8.50	91	14	10	14	7	46	415	322	82	11	683	568	74	41	31	31	Q	N
Census urban/rural classification ^e																			
Urban	20.77	185	23	15	30	17	101	1,299	1,018	239	42	91	67	11	13	41	35	Q	N
Urbanized area	17.20	150	17	11	25	14	84	1,108	864	207	37	61	46	Q	Q	37	30	Q	N
Urban cluster	3.57	35	6	4	5	3	18	191	154	33	5	30	21	Q	Q	Q	Q	N	N
Rural	6.28	79	14	12	9	6	39	193	154	31	8	1,773	1,476	195	102	145	131	Q	Q
Climate region ^f																			
Very cold and Cold	22.09	206	28	20	27	18	112	1,278	1,006	228	44	1,598	1,343	162	92	179	162	Q	Q
Mixed-humid	4.96	59	9	6	11	4	28	215	167	42	6	266	200	44	22	Q	Q	N	Q
Mixed-dry and Hot-dry	N	N	N	N	N	N	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	N	N	N	N	N	N
Marine	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Housing unit type																			
Single-family detached	18.58	208	26	19	31	18	115	1,229	986	203	40	1,721	1,431	187	103	170	153	Q	Q
Single-family attached	1.33	11	1	1	2	1	6	73	56	14	2	26	Q	Q	Q	Q	Q	Q	N
Apartments in buildings with 2–4 units	1.95	12	3	1	2	1	5	80	55	21	4	N	N	N	N	Q	Q	Q	N
Apartments in buildings with 5 or																			
more units	4.20	23	5	4	3	2	10	81	50	28	3	16	9	Q	Q	Q	Q	Q	N
Mobile homes	0.97	10	2	2	1	1	4	30	24	4	1	101	87	10	3	Q	Q	N	N
Ownership of housing unit																			
Owned	19.48	211	27	19	31	18	116	1,242	991	209	41	1,709	1,409	192	108	154	140	Q	Q
Single-family	17.73	197	24	17	29	17	110	1,178	943	195	39	1,615	1,328	182	105	153	139	Q	Q
Apartments	0.94	6	1	*	1	1	2	41	29	10	1	Q	Q	N	N	N	N	N	N
Mobile homes	0.81	8	2	2	1	1	4	23	19	4	1	92	79	10	3	Q	Q	N	N
Rented ⁸	7.56	53	9	8	7	4	24	250	181	61	8	155	135	14	6	32	26	Q	N
Single-family	2.19	22	3	3	3	2	11	124	99	22	3	132	119	Q	4	Q	Q	Q	N
Apartments	5.22	30	6	5	4	3	13	120	76	39	5	14	7	Q	Q	Q	Q	Q	N
Mobile homes	0.16	1	*	*	*	*	1	6	6	Q	*	Q	Q	N	Q	N	N	N	N
Year of construction																			
Before 1950	6.11	58	8	5	9	5	31	411	337	62	13	494	435	43	17	68	61	Q	Q
1950 to 1959	3.18	29	3	3	5	3	16	205	166	33	5	175	145	16	14	Q	Q	Q	Q
1960 to 1969	2.90	25	3	2	4	2	13	174	138	31	5	138	102	19	17	Q	Q	Q	N
1970 to 1979	4.05	40	7	4	6	3	20	193	148	37	7	382	350	26	6	26	24	Q	N
1980 to 1989	2.71	26	5	3	4	2	12	114	88	23	3	89	67	14	8	Q	Q	Q	Q
1990 to 1999	3.56	39	4	3	5	3	22	190	143	40	7	316	250	46	20	Q	Q	N	Q
2000 to 2009	2.95	32	4	3	4	3	17	147	107	34	7	189	139	28	21	Q	Q	N	N
2010 to 2015	0.86	10	1	2	1	1	5	31	24	6	1	48	34	Q	10	Q	Q	Q	N

Number of housing

- units
- (million) Total site energy consumption^a

Total wert Spac Total Water beaking Water biolog Water biolog Water other Water Total Water beaking Lob 2020 0.203 0.264 33 0 1.4 3 1.4 3 1.4 1.0 1.4 2.2 2.4 1.0 1.4 2.2 2.4 1.0 1.4 1.4 1.4 1.		E	ectricity	/ (billion k\	Wh)			r	latural ga	s (billion d	ubic feet)		Propane (million gal	lons)	I	uel oil o	kerosene	(million g	allons)
west* Total heating he		Total																		
All homes 27.04 26.4 37 77 38 22 140 1,492 1,172 270 50 1,864 1,543 206 11 2016 to 2020 0.73 7 1 1 1 3 27 20 6 1 32 20 11 1 Total square footage* 5 4 3 5 6 4 22 246 189 50 8 224 180 104 40 5 305 80 14 Q 105 5 305 80 14 Q 16 305 80 14 Q 14 10 15 305 80 14 10 15 9 4 7 5 26 332 200 161		Mid-		Space	Water	Air condi-	Refrig-			Space	Water			Space	Water			Space	Water	
2016 to 2020 0,73 7 1 1 1 1 3 27 20 6 1 32 20 11 1 Total square footage" Less than 1,000 5.29 33 6 5 4 3 12 14 14 40 5 105 80 14 Q 23 16 Loop 10,1999 4,73 46 6 5 7 4 24 273 18 47 8 249 120 23 16 2,000 to 2,999 3.29 32 4 2 5 3 18 192 153 32 6 288 244 34 10 3,000 rome 5.03 70 9 5 16 63 220 151 161 41 7 26 29 4 7 5 26 332 269 54 9 379 326 39 15 161 41 7 208 152 37 19 36 38 38 <th></th> <th>west^b</th> <th>Total</th> <th>heating</th> <th>heating</th> <th>tioning</th> <th>erators</th> <th>Other^d</th> <th>Total</th> <th>heating^c</th> <th>heating</th> <th>Other^d</th> <th>Total</th> <th>heating^c</th> <th>heating</th> <th>Other^d</th> <th>Total</th> <th>heating^c</th> <th>heating</th> <th>Other^d</th>		west ^b	Total	heating	heating	tioning	erators	Other ^d	Total	heating ^c	heating	Other ^d	Total	heating ^c	heating	Other ^d	Total	heating ^c	heating	Other ^d
2016 to 2020 0,73 7 1 1 1 1 3 27 20 6 1 32 20 11 1 Tolaspare forage* Less than 1,000 5.29 33 6 5 4 3 15 148 104 40 5 105 80 224 120 25 19 1,500 to 1,999 4.73 46 6 5 7 4 42 273 10 6 38 338 33 16 2,000 to 2,499 2.32 32 4 2 5 3 18 192 153 32 6 288 74 4 10 3,000 rome 5.03 70 9 5 10 6 35 20 133 32 10 14 10 16 10 10 16 10 10 14 10 16 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10<		27.04	264	37	27	38	22	140	1,492	1,172	270	50	1,864	1,543	206	114	187	166	Q	Q
Less than 1,000 5.29 33 6 5 4 3 15 148 104 40 5 105 80 14 Q 1,000 to 1,499 5.28 43 6 5 6 4 22 246 189 50 8 224 180 25 19 2,000 to 2,499 3.79 41 5 4 6 3 22 130 32 6 288 339 33 16 2,500 to 2,499 3.79 41 5 4 6 3 220 130 66 28 244 34 10 3,000 or more 5.03 70 9 5 10 6 39 400 319 66 15 610 42 Number of household members 1.041 103 14 10 15 9 56 577 40 12 84 71 Q 9 379 326 39 13 44 10 12 84 71 Q 14 Q		0.73	7	1	1	1	1	3	27		6	1	32	20	11	1	Q	Q	Q	N
Less than 1,000 5.29 33 6 5 4 3 15 148 104 40 5 105 80 14 Q 1,000 to 1,499 5.28 43 6 5 6 4 22 246 189 50 8 224 180 25 19 2,000 to 2,499 3.79 41 5 4 6 3 22 190 36 8 388 399 33 16 2,500 to 2,499 3.79 41 5 4 6 3 220 139 36 8 388 399 33 16 3,000 or more 5.03 70 9 5 10 6 39 400 319 66 15 610 40 7 26 32 269 54 9 379 326 39 93 35 36 3 23 210 161 11 7 286 229 25 32 3 188 379 326 39 37 <td< td=""><td>age^h</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	age ^h																			
1.500 to 1,999 4.73 46 6 5 7 4 24 273 218 47 8 249 210 23 16 2.000 to 2,499 3.79 41 5 4 6 3 22 24 190 36 8 388 339 33 16 2.000 to 2,499 3.23 2 4 2 5 3 10 6 39 400 319 66 15 610 491 76 42 Numeer fousehold members 1 103 14 105 9 56 597 475 101 121 840 710 86 45 3 38 388 398 33 15 3 32 202 161 41 7 266 297 25 32 32 10 161 41 7 266 32 37 19 5 36 39 30 31 12 40 70 06 30 30 31 12 14 <td></td> <td>5.29</td> <td>33</td> <td>6</td> <td>5</td> <td>4</td> <td>3</td> <td>15</td> <td>148</td> <td>104</td> <td>40</td> <td>5</td> <td>105</td> <td>80</td> <td>14</td> <td>Q</td> <td>Q</td> <td>Q</td> <td>Q</td> <td>N</td>		5.29	33	6	5	4	3	15	148	104	40	5	105	80	14	Q	Q	Q	Q	N
2,000 to 2,499 3,79 41 5 4 6 3 22 234 190 36 8 388 339 33 16 2,500 to 2,999 2.92 32 4 2 5 3 16 192 153 32 6 288 244 44 44 10 3,000 rm ore 5.03 70 9 5 10 6 39 400 319 66 15 610 491 76 42 Number of household members 7.74 52 9 4 7 5 26 332 269 54 9 379 326 39 15 3 members 3.62 43 5 5 6 3 22 23 21 14 1 24 7 266 279 25 32 3 members 3.36 12 1 1 1 1 4 41 32 8 1 0 0 25 37 19 56 6 18 <		5.28	43		5	6		22	246	189	50			180			Q			Q
2.500 to 2.999 2.92 32 4 2 5 3 18 192 153 32 6 288 244 34 10 3.000 or more 5.03 70 9 5 10 6 39 400 319 66 15 610 491 76 42 Number of household members 1 103 14 10 15 9 56 537 475 101 21 840 710 86 45 3 members 3.62 43 5 5 6 32 200 157 42 7 208 112 27 9 4 5 3 200 157 42 7 208 152 37 19 8 65 18 3 84 71 0 <		4.73	46	6	5	7	4	24	273	218	47	8	249	210	23	16	27	24	Q	Q
3,000 or more 5.03 70 9 5 10 6 39 400 319 66 15 610 491 76 42 Number of household members 1 member 7.74 52 9 4 7 5 56 32 269 54 9 379 326 39 16 43 2 members 10.41 103 14 100 15 9 56 597 475 101 21 840 710 66 45 3 members 3.62 43 5 5 6 3 23 210 161 41 7 286 229 25 32 4 members 3.88 17 2 1 1 9 86 65 18 3 84 71 Q		3.79	41	5	4	6	3	22	234	190	36	8	388	339	33	16	40	Q	Q	Q
3,000 or more 5.03 70 9 5 10 6 39 400 319 66 15 610 491 76 42 Number of household members 1 member 7.74 52 9 4 7 5 56 32 269 54 9 379 326 39 16 43 2 members 10.41 103 14 100 15 9 56 597 475 101 21 840 710 66 45 3 members 3.62 43 5 5 6 3 23 210 161 41 7 286 229 25 32 4 members 3.88 17 2 1 1 9 86 65 18 3 84 71 Q		2.92	32	4	2	5	3	18	192	153	32	6	288	244	34	10	Q	Q	Q	Q
1 member 7.74 52 9 4 7 5 26 332 269 54 9 379 326 39 15 2 members 10.41 103 14 10 15 9 56 597 475 101 21 840 710 86 45 3 members 3.62 43 5 5 6 3 20 206 157 42 7 286 229 25 32 4 members 3.08 37 5 4 5 3 20 206 157 42 7 208 152 37 19 5 mome members 0.83 12 1 1 2 1 7 61 46 14 2 66 56 Q																	Q			Q
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3 members 3.62 4.3 5 5 6 3 2.3 2.10 1.61 4.1 7 2.86 2.29 2.5 3.2 4 members 3.08 3.7 5 4 5 3 2.06 15.7 4.2 7 2.08 15.2 3.7 19 5 members 1.36 1.8 2 2 3 1 9 8.6 6.5 1.8 3 8.4 71 Q Q G G G Members 3.81 1 1 1 1 7 6.1 46 1.4 2 6.6 5.6 Q Q Q G G G G G G G Q <td></td> <td></td> <td></td> <td></td> <td>10</td> <td></td> <td>73</td> <td>69</td> <td>Q</td> <td>Q</td>					10												73	69	Q	Q
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6 or more members 0.83 12 1 1 2 1 7 61 46 14 2 66 56 Q Q 2020 annual household income Less than \$5,000 1.01 9 1 1 1 4 41 32 8 1 Q Q Q Q \$5,000 to \$9,999 0.92 7 1 1 1 3 34 25 8 1 Q Q Q Q \$10,000 to \$19,999 2.31 17 3 2 2 1 8 86 67 17 2 119 108 Q 2 \$20,000 to \$39,999 5.27 45 7 5 6 4 22 247 196 43 8 347 297 35 16 \$40,000 to \$39,999 4.28 37 5 4 5 3 19 225 180 39 6 249 212 26 13 \$50,000 to \$149,999 3.71																	Q			N
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\$10,000 to \$19,999 2.31 17 3 2 2 1 8 86 67 17 2 119 108 Q 2 \$20,000 to \$39,999 5.27 45 7 5 6 4 22 247 196 43 8 347 297 35 16 \$40,000 to \$59,999 4.28 37 5 4 5 3 19 225 180 39 6 249 212 26 11 \$60,000 to \$59,999 6.42 65 8 7 10 5 34 365 285 68 12 502 406 60 35 \$100,000 to \$149,999 3.71 42 6 3 6 4 23 234 184 42 9 323 266 39 18 \$150,000 or more 3.14 43 4 3 7 4 25 261 205 46 11 263 201 111 Some paid by household 24.66 252 34		1.01	9	1	1	1	1	4	41	32	8	1	Q	Q	Q	Q	Q	Q	N	N
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\$40,000 to \$59,999 4.28 37 5 4 5 3 19 225 180 39 6 249 212 26 11 \$60,000 to \$99,999 6.42 65 8 7 10 5 34 365 285 68 12 502 406 60 35 \$100,000 to \$149,999 3.71 42 6 3 6 4 23 234 184 42 9 323 266 39 18 \$150,000 or more 3.14 43 4 3 7 4 25 261 205 46 11 263 201 34 28 Payment method for energy bils 225 37 21 134 1,410 1,116 247 46 1,832 1,520 201 111 Some paid by household, some 1.50 8 1 1 1 4 52 35 15 2 Q Q Q Q Q Q Q Q Q Q Q Q	9	2.31	17	3	2	2	1	8	86	67	17	2	119	108	Q	2	Q	Q	Q	N
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\$100,000 to \$149,999 3.71 42 6 3 6 4 23 234 184 42 9 323 266 39 18 \$150,000 or more 3.14 43 4 3 7 4 25 261 205 46 11 263 201 34 28 Payment method for energy bills A 25 37 21 134 1,410 1,116 247 46 1,832 1,520 201 111 Some paid by household, some 1.50 8 1 1 1 4 52 35 15 2 Q <t< td=""><td>9</td><td>4.28</td><td>37</td><td>5</td><td>4</td><td>5</td><td>3</td><td>19</td><td>225</td><td>180</td><td>39</td><td>6</td><td>249</td><td>212</td><td>26</td><td>11</td><td>Q</td><td>Q</td><td>N</td><td>N</td></t<>	9	4.28	37	5	4	5	3	19	225	180	39	6	249	212	26	11	Q	Q	N	N
\$150,000 or more 3.14 43 4 3 7 4 25 261 205 46 11 263 201 34 28 Payment method for energy bils All paid by household 24.66 252 34 25 37 21 134 1,410 1,116 247 46 1,832 1,520 201 111 Some paid by household, some included in rent or condo fee 1.50 8 1 1 1 4 52 35 15 2 Q Q Q Q All included in rent or condo fee 0.84 5 1 1 1 * 2 26 17 7 Q Q N Q	9	6.42	65	8	7	10	5	34	365	285	68	12	502	406	60	35	56	47	Q	Q
Payment method for energy bills All paid by household 24.66 252 34 25 37 21 134 1,410 1,116 247 46 1,832 1,520 201 111 Some paid by household, some included in rent or condo fee 1.50 8 1 1 1 4 52 35 15 2 Q </td <td>999</td> <td>3.71</td> <td>42</td> <td>6</td> <td>3</td> <td>6</td> <td>4</td> <td>23</td> <td>234</td> <td>184</td> <td>42</td> <td>9</td> <td>323</td> <td>266</td> <td>39</td> <td>18</td> <td>Q</td> <td>Q</td> <td>N</td> <td>Q</td>	999	3.71	42	6	3	6	4	23	234	184	42	9	323	266	39	18	Q	Q	N	Q
All paid by household 24.66 252 34 25 37 21 134 1,410 1,116 247 46 1,832 1,520 201 111 Some paid by household, some included in rent or condo fee 1.50 8 1 1 1 4 52 35 15 2 Q Q Q Q All included in rent or condo fee 0.84 5 1 1 1 * 2 26 17 7 Q Q N Q Some other method Q Q Q Q Q Q Q Q N<		3.14	43	4	3	7	4	25	261	205	46	11	263	201	34	28	Q	Q	Q	Q
Some paid by household, some included in rent or condo fee 1.50 8 1 1 1 4 52 35 15 2 Q Q Q Q All included in rent or condo fee 0.84 5 1 1 1 * 2 26 17 7 Q Q Q N Q Some other method Q Q Q Q Q Q Q Q Q Q Q Q Q N	for energy bills																			
included in rent or condo fee 1.50 8 1 1 1 4 52 35 15 2 Q Q Q Q All included in rent or condo fee 0.84 5 1 1 1 * 2 26 17 7 Q Q Q N Q Some other method Q Q Q Q Q Q Q Q Q N </td <td>old</td> <td>24.66</td> <td>252</td> <td>34</td> <td>25</td> <td>37</td> <td>21</td> <td>134</td> <td>1,410</td> <td>1,116</td> <td>247</td> <td>46</td> <td>1,832</td> <td>1,520</td> <td>201</td> <td>111</td> <td>176</td> <td>158</td> <td>Q</td> <td>Q</td>	old	24.66	252	34	25	37	21	134	1,410	1,116	247	46	1,832	1,520	201	111	176	158	Q	Q
All included in rent or condo fee 0.84 5 1 1 1 * 2 26 17 7 Q Q Q N Q Some other method Q Q Q Q Q Q Q Q Q Q Q Q Q Q N <td>sehold, some</td> <td></td>	sehold, some																			
Some other method Q	r condo fee	1.50	8	1	1	1	1	4	52	35	15	2	Q	Q	Q	Q	Q	Q	Q	N
Main heating fuel Natural gas 18.81 164 8 9 29 16 102 1,476 1,170 259 47 15 Q Q Q Electricity 5.20 67 28 11 6 4 19 14 2 9 2 72 25 22 25	t or condo fee	0.84	5	1	1	1	*	2	26	17	7	Q	Q	Q	N	Q	Q	Q	Q	N
Natural gas 18.81 164 8 9 29 16 102 1,476 1,170 259 47 15 Q	od	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	N	N	N	N	N	N	N	N
Electricity 5.20 67 28 11 6 4 19 14 2 9 2 72 25 22 25	I																			
		18.81	164	8	9	29	16	102	1,476	1,170	259	47	15	Q	Q	Q	Q	Q	Q	N
Fuel oil or kerosene 0.28 3 Q 1 * * 1 Q N Q O O O O O O		5.20	67	28	11	6	4	19	14	2	9	2	72	25	22	25	Q	N	Q	Q
	ne	0.28	3	Q	1	*	*	1	Q	N	Q	Q	Q	Q	Q	Q	161	151	Q	Q
Propane 2.12 24 1 5 3 2 13 * N N * 1,704 1,495 159 51		2.12	24	1	5	3	2	13	*	N	N	*	1,704	1,495	159	51	Q	Q	N	N
Wood 0.51 6 * 1 * * 3 Q Q Q G1 21 20 20		0.51	6	*	1	*	*	3	Q	Q	Q	Q	61	21	20	20	Q	Q	N	Q
Some other fuel ¹ Q Q N Q Q Q N N N N N N N N		Q	Q	N	Q	Q	Q	Q	N	N	N	N	N	N	N	N	N	N	N	N
Does not use heating equipment 0.12 1 N * Q * 1 Q N Q Q N N N N	ing equipment	0.12	1	N	*	Q		1	Q	N	Q	Q	N	N	N	N	N	N	N	N

Number	
of	
housing	

units (million) Total site energy consumption^a

		Electricity	/ (billion k\	Wh)				Natural g	as (billion o	cubic feet)		Propane (million ga	llons)		Fuel oil or	kerosene	(million g	allons)
	Total Mid- west ^b	Total	Space heating ^c	Water heating	Air condi- tioning	Refrig- erators	Other ^d	Total	Space heating ^c	Water heating	Other ^d	Total	Space heating ^c	Water heating	Other ^d	Total	Space heating ^c	Water heating	Other ^d
All homes	27.04	264	37	27	38	22	140	1,492	1,172	270	50	1,864	1,543	206	114	187	166	Q	Q

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.

kWh = kilowatthours

^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 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.

^c Includes main (primary) and secondary space heating.

^d Includes end uses not shown in this table. A more detailed breakout of end uses is shown in the CE5 tables.

^e 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.

^f 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*.

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

^h 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.

ⁱ 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.

* = Estimate is less than 0.5 and rounds to zero.

Relative standard errors (RSEs) for Table CE4.3 Annual household site end-use consumption by fuel in the Midwest—totals, 2020

RSEs for number of

housing units Total site energy consumption^a

		E	ectricity					P	latural ga	s		F	ropane			I	uel oil o	kerosene		
	Total																			
	Mid-			Space	Water	Air condi	Refrig-			Space	Water			Space	Water			Space	Water	
	west ^b	Total	Total	heating ^c	heating	tioning	erators	Other ^d	Total	heating ^c	heating	Other ^d	Total	heating ^c	heating	Other ^d	Total	heating ^c	heating	Other ^d
All homes	0.00	0.90	1.02	4.60	3.24	1.50	0.83	1.14	1.66	1.73	1.99	5.73	6.25	6.87	9.01	14.37	19.73	20.71	43.95	50.33
Census division																				
East North Central	0.00	1.13	1.34	6.48	4.37	1.81	0.99	1.59	1.92	2.02	2.35	6.90	8.20	8.75	13.00	18.29	22.30	23.87	44.60	50.33
West North Central	0.00	1.29	1.33	5.45	5.11	2.17	1.33	1.60	2.62	2.69	3.07	11.51	7.68	8.47	9.94	19.53	31.76	31.90	15.91	0.00
Census urban/rural classification ^e																				
Urban	0.97	1.57	1.54	4.81	4.22	2.07	1.50	1.74	1.93	2.05	2.21	5.63	27.91	32.30	36.21	38.71	27.27	30.55	45.87	0.00
Urbanized area	1.23	1.84	1.84	5.61	5.12	2.48	1.84	2.14	2.16	2.31	2.38	6.10	34.37	38.15	39.57	54.72	30.32	34.47	45.87	0.00
Urban cluster	4.97	6.09	5.79	11.08	9.62	6.00	5.61	5.75	7.16	7.43	7.21	16.48	39.38	45.21	82.46	52.22	68.90	68.90	0.00	0.00
Rural	3.21	3.48	3.61	8.85	6.29	3.46	3.47	3.57	6.11	6.47	6.20	16.75	6.14	6.69	9.18	15.54	24.44	24.92	75.70	50.33
Climate region ^f																				
Very cold and Cold	0.49	1.09	1.31	5.60	3.90	1.82	1.06	1.31	1.83	1.88	2.31	6.18	6.88	7.50	9.67	16.22	20.18	21.09	43.95	58.74
Mixed-humid	2.18	3.28	3.10	7.10	7.13	3.70	3.25	3.56	4.54	4.72	5.71	13.76	16.25	17.69	18.98	24.66	14.03	14.03	0.00	14.03
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	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Housing unit type																				
Single-family detached	0.00	0.88	1.11	5.33	3.98	1.71	0.98	1.21	1.66	1.73	2.02	6.32	6.76	7.37	9.92	16.06	21.89	22.66	62.83	50.33
Single-family attached	0.00	2.19	3.33	11.86	13.90	4.78	3.21	4.45	3.02	3.28	4.15	16.47	43.96	50.09	50.29	65.15	96.53	95.11	12.11	0.00
Apartments in buildings with 2–4 units	0.00	4.38	4.40	13.14	15.06	8.21	5.57	5.58	6.69	8.29	8.94	25.58	0.00	0.00	0.00	0.00	74.28	72.90	15.81	0.00
	0.00	4.30	4.40	15.14	15.00	0.21	5.57	5.58	0.09	0.29	0.54	23.38	0.00	0.00	0.00	0.00	74.20	72.90	13.81	0.00
Apartments in buildings with 5 or more units	0.00	3.69	3.92	11.92	8.03	4.35	2.22	4.20	7.17	9.28	6.93	15.07	33.76	30.18	66.80	75.16	60.10	69.73	71.18	0.00
Mobile homes	0.00	4.33	4.81	11.92	10.26	7.55	4.07	4.20 5.07	13.53	9.28	20.92	18.72	23.80	23.66	45.95	40.96	78.76	78.76	0.00	0.00
Ownership of housing unit																				
Owned	0.87	1.17	1.37	5.62	4.18	1.93	1.21	1.32	1.90	1.98	2.13	6.04	6.76	7.34	8.98	15.50	23.10	23.45	81.31	50.33
Single-family	0.60	1.09	1.38	5.76	4.42	1.92	1.12	1.33	1.81	1.90	2.13	6.25	7.21	7.86	9.47	15.91	23.31	23.69	81.31	50.33
Apartments	11.27	13.82	14.98	27.05	24.23	15.29	13.28	14.36	15.33	16.73	15.22	18.04	15.97	15.97	0.00	0.00	0.00	0.00	0.00	0.00
Mobile homes	4.59	5.96	6.95	16.52	12.06	9.02	6.04	6.87	15.34	14.94	21.67	20.75	25.08	24.84	45.95	43.78	78.76	78.76	0.00	0.00
Rented ^g	2.25	3.48	3.56	7.27	6.98	4.14	2.96	4.05	4.94	5.81	5.24	13.63	21.01	23.15	39.32	32.49	35.29	40.80	51.56	0.00
Single-family	4.85	5.70	5.91	13.11	10.42	7.54	6.15	6.18	7.38	7.83	7.75	15.94	22.77	25.02	36.29	36.53	54.09	62.44	88.05	0.00
Apartments	2.02	3.64	3.59	8.51	8.54	4.98	2.67	4.30	6.38	7.61	7.21	19.81	37.37	32.97	66.80	75.16	49.32	54.49	58.82	0.00
Mobile homes	23.49	24.93	23.72	48.41	29.92	26.71	22.15	27.42	32.47	32.14	60.54	49.27	15.73	15.73	0.00	15.73	0.00	0.00	0.00	0.00
Year of construction																				
Before 1950	0.00	2.25	2.44	9.27	7.51	3.71	1.96	2.83	3.85	4.13	4.71	8.17	14.74	15.58	18.69	28.63	30.56	32.01	14.95	70.71
1950 to 1959	0.00	2.89	3.03	12.30	10.59	4.54	2.88	4.10	3.73	4.13	4.52	14.01	20.10	20.84	27.66	41.59	43.02	41.88	15.81	14.47
1960 to 1969	0.00	2.88	3.73	13.87	11.86	4.50	3.36	3.92	4.26	4.57	5.04	9.68	23.22	26.76	27.82	48.78	56.37	64.64	71.42	0.00
1970 to 1979	0.00	2.41	2.92	10.20	8.71	3.26	2.25	2.78	4.07	4.26	6.08	17.85	14.34	14.84	21.12	23.38	42.40	43.68	76.68	0.00
1980 to 1989	0.00	3.83	3.81	11.72	10.37	5.28	3.74	3.73	7.07	7.40	7.43	17.20	22.86	25.42	32.09	45.23	44.84	46.72	15.29	17.27

Relative standard errors (RSEs) for Table CE4.3 Annual household site end-use consumption by fuel in the Midwest-totals, 2020

- RSEs for number
- of
- housing
- units Total site energy consumption^a

		E	ectricity	,				r	Natural ga	s		F	Propane			I	uel oil o	kerosene		
	Total																			
	Mid-			Space	Water	Air condi	Refrig-			Space	Water			Space	Water			Space	Water	
	west⁵	Total	Total	heating ^c	heating	tioning	erators	Other ^d	Total	heating ^c	heating	Other [₫]	Total	heating ^c	heating	Other ^d	Total	heating	heating	Other
All homes	0.00	0.90	1.02	4.60	3.24	1.50	0.83	1.14	1.66	1.73	1.99	5.73	6.25	6.87	9.01	14.37	19.73	20.71	43.95	50.33
1990 to 1999	0.00	2.39	3.28	13.67	10.46	3.98	2.71	3.98	4.41	4.58	5.29	15.59	14.75	15.70	18.81	31.42	78.61	81.58	0.00	11.56
2000 to 2009	0.00	3.44	3.22	9.22	7.87	4.67	3.14	3.58	5.16	5.49	5.69	15.43	16.10	17.49	24.54	36.67	71.08	71.08	0.00	0.00
2010 to 2015	5.76	7.74	8.52	15.46	11.50	9.62	7.38	9.20	10.08	10.16	13.03	29.64	23.20	27.00	51.70	49.34	15.91	15.91	15.91	0.00
2016 to 2020	6.83	9.55	10.15	22.34	15.42	12.00	8.02	11.10	12.38	13.28	17.33	15.56	30.66	36.88	36.86	43.50	18.35	18.35	18.35	0.00
Total square footage ^h																				
Less than 1,000	3.29	4.19	3.69	8.10	6.85	5.44	4.11	4.85	5.42	5.91	6.33	11.11	25.68	25.05	33.86	61.22	51.94	50.68	67.19	0.00
1,000 to 1,499	4.29	4.96	5.15	10.50	8.73	5.55	4.99	5.20	5.98	6.21	7.00	13.84	13.82	15.23	24.53	31.99	44.66	46.06	75.37	17.27
1,500 to 1,999	3.84	4.23	4.07	8.06	8.04	5.40	4.18	4.49	5.30	5.56	6.50	6.95	13.81	14.54	26.20	34.27	39.64	42.70	15.91	14.83
2,000 to 2,499	3.93	3.76	4.12	10.12	9.00	5.06	4.43	4.14	5.27	5.34	6.20	16.49	14.90	15.79	20.06	30.17	42.19	42.00	76.45	14.47
2,500 to 2,999	4.68	5.19	5.74	15.96	11.02	6.36	5.49	5.67	6.43	6.62	6.50	19.96	17.60	18.64	24.83	33.95	41.02	42.17	14.95	14.03
3,000 or more	3.47	3.84	4.20	10.55	9.35	5.08	3.93	4.45	4.81	4.88	5.36	10.93	12.15	12.92	15.65	27.88	46.15	46.27	0.00	11.56
Number of household members																				
1 member	3.09	4.17	4.10	9.00	6.77	4.95	3.52	4.50	5.41	5.76	4.30	13.85	12.40	12.72	18.54	35.61	29.11	29.08	56.47	14.47
2 members	2.28	2.54	2.71	7.48	5.88	2.82	2.89	2.64	3.20	3.30	3.48	10.76	9.68	10.04	15.12	22.63	35.45	35.26	79.39	17.27
3 members	4.59	5.01	5.38	11.66	11.84	5.56	5.29	5.27	6.22	6.43	6.47	11.06	23.88	26.00	28.56	31.19	45.19	49.15	12.11	69.75
4 members	5.39	6.13	5.60	12.04	9.87	6.80	6.19	6.15	6.89	6.99	7.65	12.18	18.54	20.45	26.55	32.67	65.36	79.28	76.45	0.00
5 members	7.66	8.62	7.94	18.24	11.90	9.26	9.00	8.45	9.74	10.19	10.80	17.60	31.27	31.86	46.53	42.57	18.89	18.89	0.00	0.00
6 or more members	12.00	11.92	12.14	25.66	20.69	12.97	12.50	12.50	14.06	14.47	17.43	18.86	32.27	32.74	46.47	57.06	15.50	15.50	0.00	0.00
2020 annual household income																				
Less than \$5,000	10.86	12.10	12.95	24.95	21.77	14.87	11.24	14.19	14.35	15.30	15.26	22.49	47.47	50.12	65.88	49.41	96.55	96.55	0.00	0.00
\$5,000 to \$9,999	11.72	12.06	12.17	27.37	18.44	16.22	13.74	12.15	16.80	17.95	18.43	30.16	40.79	42.66	78.83	59.18	54.87	56.08	70.30	0.00
\$10.000 to \$19.999	6.55	6.83	8.01	14.48	11.70	10.13	7.37	8.69	8.61	9.31	10.93	20.68	25.99	26.49	41.30	36.91	74.98	84.79	82.66	0.00
\$20,000 to \$39,999	3.87	4.56	4.94	9.88	7.26	5.93	4.53	5.13	4.98	5.13	5.96	14.62	15.45	16.31	24.13	43.97	37.57	40.12	69.30	0.00
\$40.000 to \$59.999	4.29	4.68	4.39	10.55	7.83	5.03	4.57	4.84	6.13	6.35	6.04	10.36	17.18	18.35	21.22	33.74	51.62	51.62	0.00	0.00
\$60,000 to \$99,999	3.08	3.17	3.57	7.39	7.21	4.21	3.25	3.51	4.01	4.22	4.18	14.38	13.28	13.56	19.86	31.59	38.00	37.06	18.35	60.25
\$100,000 to \$149,999	4.72	4.79	5.58	15.38	11.46	6.08	5.08	5.20	5.93	5.97	7.10	11.52	13.25	14.52	17.12	40.31	41.07	44.15	0.00	14.83
\$150,000 or more	5.18	5.48	5.39	11.59	11.38	5.50	5.66	5.78	5.95	6.34	5.85	13.26	18.81	20.69	18.38	28.72	99.10	99.87	14.95	11.56
Payment method for energy bills																				
All paid by household	0.58	0.94	1.13	4.74	3.51	1.60	0.89	1.20	1.72	1.80	1.99	5.80	6.35	6.96	8.97	14.87	20.94	21.93	48.30	50.33
Some paid by household, some																				
included in rent or condo fee	8.20	10.39	10.29	23.86	17.93	11.99	8.67	11.36	13.07	14.81	12.87	16.67	46.49	56.66	60.39	91.79	50.31	51.10	77.88	0.00
All included in rent or condo fee	10.71	14.84	12.81	17.54	18.46	13.58	12.95	14.79	18.40	20.46	17.13	55.31	67.67	60.81	0.00	84.96	15.49	15.49	15.49	0.00
Some other method	59.10	66.37	57.19	77.70	16.36	76.10	58.47	58.67	67.43	69.20	71.05	88.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Main heating fuel							0 = = = = = = = = = = = =								4					4
Natural gas	1.34	1.62	1.80	6.74	5.28	2.31	1.59	1.90	1.68	1.73	2.10	5.97	40.69	64.43	58.34	54.17	56.92	68.56	17.01	0.00
Electricity	4.18	5.04	5.22	6.03	6.42	6.01	4.59	5.06	14.20	30.17	16.09	22.57	20.50	29.66	27.67	35.45	95.33	0.00	15.29	11.56
Fuel oil or kerosene	20.23	22.04	21.98	50.09	26.53	26.36	21.91	21.78	86.01	0.00	90.76	98.83	67.12	14.11	81.71	77.26	22.40	22.36	56.86	75.82
Propane	6.23	6.94	7.81	22.15	10.74	9.15	6.88	8.23	43.56	0.00	0.00	43.56	6.92	7.17	10.09	13.01	13.81	13.81	0.00	0.00
Wood	13.66	14.98	14.80	29.63	18.81	17.48	14.59	16.01	55.45	81.46	63.92	48.41	25.02	29.81	31.64	40.90	48.40	46.18	0.00	70.71

Relative standard errors (RSEs) for Table CE4.3 Annual household site end-use consumption by fuel in the Midwest-totals, 2020

- RSEs for number of
- housing

units Total site energy consumption^a

		E	lectricity						Natural ga	IS			Propane				Fuel oil oi	kerosene		
	Total Mid-	T 1	- 1	Space		Air condi	Refrig-	out. d		Space		out.d		Space	Water	out, d		Space	Water	out. d
	west	Total	Total	heating	heating	tioning	erators	Other	Total	heating	heating	Other	Total	heating	heating	Other	Total	heating ^c	heating	Other
All homes	0.00	0.90	1.02	4.60	3.24	1.50	0.83	1.14	1.66	1.73	1.99	5.73	6.25	6.87	9.01	14.37	19.73	20.71	43.95	50.33
Some other fuel ⁱ	14.87	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	0.00	0.00	0.00	0.00	0.00	0.00
Does not use heating equipment	32.69	40.25	44.29	0.00	49.25	47.96	34.47	48.24	61.36	0.00	64.64	79.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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.
- ^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 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.

^c Includes main (primary) and secondary space heating.

^d Includes end uses not shown in this table. A more detailed breakout of end uses is shown in the CE5 tables.

^e 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.

^f 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 Verycold and Cold.

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

^h 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.

Some other fuel includes coal and district steam.