

Table CE3.3 Annual household site end-use consumption in the Midwest—totals and averages, 2015

	Number of housing units (million)	Total site energy consumption ¹ (trillion Btu)						Average site energy consumption ¹ (million Btu per household using the end use)					
		Total Mid-west ²	Space heating ³	Water heating	Air conditioning	Refrigerators	Other ⁴	Total	Space heating ³	Water heating	Air conditioning	Refrigerators	Other ⁴
All homes	26.4	2,486	1,378	419	97	68	524	94.3	52.7	15.9	4.0	2.6	19.9
Census division													
East North Central	18.1	1,755	999	294	62	46	354	97.0	55.4	16.3	3.7	2.6	19.6
West North Central	8.3	731	379	125	35	22	169	88.3	46.8	15.1	4.6	2.7	20.4
Census urban/rural classification⁵													
Urban	20.7	1,946	1,102	328	73	51	392	93.8	53.2	15.8	3.8	2.5	18.9
Urbanized area	17.2	1,631	938	270	60	42	321	94.9	54.7	15.7	3.8	2.4	18.7
Urban cluster	3.5	314	163	57	13	10	71	88.5	46.3	16.1	4.1	2.7	19.9
Rural	5.6	540	277	91	24	17	132	96.1	50.9	16.3	4.5	3.0	23.4
Metropolitan or micropolitan statistical area													
In metropolitan statistical area	21.3	2,034	1,144	341	76	54	418	95.6	54.0	16.0	3.9	2.5	19.7
In micropolitan statistical area	3.3	297	154	53	12	9	69	88.8	47.6	15.9	3.7	2.8	20.7
Not in metropolitan or micropolitan statistical area	1.8	155	80	25	9	5	36	88.2	46.7	14.3	5.5	2.8	20.4
Climate region⁶													
Very cold/Cold	21.2	2,019	1,152	341	61	53	411	95.2	54.7	16.1	3.2	2.5	19.4
Mixed-humid	5.2	467	226	78	36	15	112	90.4	44.7	15.1	7.2	2.9	21.7
Mixed-dry/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

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All homes	26.4	2,486	1,378	419	97	68	524	94.3	52.7	15.9	4.0	2.6	19.9
Housing unit type													
Single-family detached	18.2	2,048	1,170	318	84	53	423	112.8	64.8	17.5	4.9	2.9	23.3
Single-family attached	1.3	110	62	16	3	3	25	85.8	48.4	12.9	2.7	2.6	19.6
Apartments in buildings with 2–4 units	2.0	110	54	26	3	4	23	55.9	27.6	13.2	2.0	1.9	11.6
Apartments in buildings with 5 or more units	4.0	147	54	45	4	7	38	36.8	13.6	11.2	1.1	1.7	9.4
Mobile homes	1.0	72	38	14	3	2	15	73.4	43.7	14.5	2.9	2.0	15.1
Ownership of housing unit													
Owned	17.8	1,944	1,101	298	80	52	412	109.5	62.6	16.8	4.7	2.9	23.2
Single-family	16.4	1,852	1,053	281	77	49	393	112.7	64.5	17.1	4.9	3.0	23.9
Apartments	0.6	35	16	8	1	1	9	61.7	27.7	14.0	2.0	2.3	15.8
Mobile homes	0.8	56	32	9	2	2	11	74.5	46.2	12.4	2.6	2.1	14.5
Rented ⁷	8.6	542	277	121	17	16	111	62.9	32.4	14.0	2.3	1.9	12.9
Single-family	3.0	305	179	53	10	7	56	101.5	59.5	17.7	4.0	2.3	18.6
Apartments	5.4	221	92	63	6	9	51	41.1	17.2	11.6	1.3	1.7	9.5
Mobile homes	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q

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All homes	26.4	2,486	1,378	419	97	68	524	94.3	52.7	15.9	4.0	2.6	19.9
Year of construction													
Before 1950	6.2	653	390	101	26	14	122	104.9	63.2	16.3	4.8	2.3	19.6
1950 to 1959	3.3	326	192	54	13	8	59	99.7	58.7	16.5	4.6	2.5	17.9
1960 to 1969	3.0	257	145	44	11	7	51	86.2	49.5	14.7	4.0	2.3	16.9
1970 to 1979	4.0	353	197	60	13	10	74	89.2	50.4	15.1	3.5	2.4	18.6
1980 to 1989	2.7	229	120	39	10	7	53	85.1	45.5	14.4	3.9	2.6	19.7
1990 to 1999	3.5	332	170	60	12	11	80	95.2	49.3	17.1	3.5	3.1	23.0
2000 to 2009	3.1	287	141	53	11	10	72	91.8	45.3	16.8	3.5	3.2	23.2
2010 to 2015	0.6	48	23	9	1	2	14	77.1	36.3	14.2	2.3	2.8	21.5
Total square footage⁸													
Fewer than 1,000	5.1	239	110	60	7	9	54	46.5	21.5	11.7	1.5	1.7	10.5
1,000 to 1,499	4.0	273	140	54	10	9	60	67.4	35.2	13.4	2.6	2.1	14.8
1,500 to 1,999	3.4	338	188	58	12	9	71	98.4	54.6	16.8	3.8	2.8	20.5
2,000 to 2,499	3.7	397	230	62	15	10	80	107.6	62.3	16.7	4.3	2.8	21.7
2,500 to 2,999	3.1	340	195	51	15	9	70	109.2	63.7	16.4	4.9	2.9	22.4
3,000 or greater	6.9	899	516	134	38	22	189	129.5	75.0	19.3	5.8	3.2	27.2
Number of household members													
1 member	6.9	485	314	56	17	14	84	70.8	46.0	8.1	2.8	2.1	12.3
2 members	9.7	912	517	135	38	26	196	93.9	53.7	13.9	4.2	2.7	20.2
3 members	3.9	415	221	77	15	11	91	105.3	56.4	19.5	4.1	2.7	23.1
4 members	3.4	382	192	82	15	10	84	111.9	56.2	24.0	4.6	2.9	24.6
5 members	1.5	174	82	39	8	5	41	116.2	57.7	25.9	5.8	3.1	27.4
6 or more members	1.0	118	54	30	4	2	28	123.8	56.6	31.7	4.4	2.5	28.9

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All homes	26.4	2,486	1,378	419	97	68	524	94.3	52.7	15.9	4.0	2.6	19.9
2015 annual household income													
Less than \$20,000	4.6	307	166	59	9	9	64	67.2	37.2	12.9	2.5	2.0	13.9
\$20,000 to \$39,999	6.6	558	325	91	21	16	106	84.7	49.5	13.8	3.5	2.4	16.1
\$40,000 to \$59,999	4.2	374	209	63	15	10	77	88.7	50.5	14.8	3.8	2.4	18.2
\$60,000 to \$79,999	3.9	390	212	66	16	10	86	99.3	54.4	16.8	4.2	2.6	22.0
\$80,000 to \$99,999	2.3	247	136	42	10	7	52	105.4	58.2	17.8	4.5	2.9	22.2
\$100,000 to \$119,999	1.6	182	95	32	7	5	43	113.9	59.9	19.8	4.7	3.1	26.9
\$120,000 to \$139,999	1.2	156	84	25	7	4	35	124.8	67.2	20.3	5.9	3.5	28.1
\$140,000 or more	1.9	273	151	42	11	7	61	143.8	79.7	22.1	6.1	3.8	32.1
Payment method for energy bills													
All paid by household	24.0	2,364	1,319	387	94	64	500	98.6	55.5	16.2	4.2	2.7	20.8
Some paid by household, some included in rent or condo fee	1.5	70	34	18	2	2	13	47.2	23.5	12.3	1.4	1.6	8.9
All included in rent or condo fee	0.7	40	19	11	1	1	8	55.1	25.4	15.7	1.2	1.8	11.2
Some other method	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
Main heating fuel													
Natural gas	18.7	2,020	1,180	326	75	49	389	108.0	63.1	17.5	4.3	2.6	20.8
Electricity	5.4	261	105	54	11	12	78	48.1	19.4	10.0	2.3	2.2	14.4
Fuel oil/kerosene	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
Propane	1.5	157	80	25	8	5	39	102.6	52.2	16.3	5.3	3.3	25.7

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¹Consumption and expenditures for biomass (wood), coal, district steam, and solar thermal are excluded. Electricity consumption from on-site solar photovoltaic generation (i.e., solar panels) is included.

²Total 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.

³Includes main (primary) and secondary space heating.

⁴Includes end uses not shown in this table. A more detailed breakout of end uses is shown in the Series 5 tables.

⁵Housing 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.

⁶These climate regions were created by the Building America program, sponsored by the U.S. Department of Energy's Office of Energy Efficiency and Renewable Energy (EERE).

⁷Rented includes households that occupy their primary housing units without paying rent.

⁸Total 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 for some housing units was calculated based on measurements taken by the interviewer. For households responding without the presence of an interviewer, square footage was imputed based on characteristics of the housing unit. See 2015 RECS Square Footage Methodology for full details about data collection and processing.

Q = Data withheld because either the Relative Standard Error (RSE) was greater than 50% or fewer than 10 cases responded.

N = No cases responded.

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

Source: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Forms EIA-457A, C, D, E, F, G of the 2015 Residential Energy Consumption Survey.