

Table CE3.8 Annual household end-use expenditures in the Midwest—totals and averages, 2015

	Number of housing units (million)	Total energy expenditures ¹ (billion dollars)						Average energy expenditures ¹ (dollars per household using the end use)					
		Total Mid- west ²	Space heating ³	Water heating	Air condi- tioning	Refrig- erators	Other ⁴	Total	Space heating ³	Water heating	Air condi- tioning	Refrig- erators	Other ⁴
All homes	26.4	46.42	15.79	6.48	3.60	2.60	17.95	1,760	604	246	148	99	681
Census division													
East North Central	18.1	31.88	11.03	4.47	2.33	1.81	12.23	1,762	612	247	140	101	676
West North Central	8.3	14.54	4.76	2.01	1.27	0.79	5.72	1,757	587	243	166	96	691
Census urban/rural classification⁵													
Urban	20.7	34.11	11.30	4.51	2.74	2.00	13.55	1,644	546	217	144	97	653
Urbanized area	17.2	28.01	9.40	3.57	2.26	1.65	11.13	1,629	547	208	143	96	647
Urban cluster	3.5	6.10	1.91	0.94	0.48	0.35	2.42	1,718	541	264	147	99	682
Rural	5.6	12.31	4.49	1.97	0.86	0.60	4.40	2,189	825	350	163	108	782
Metropolitan or micropolitan statistical area													
In metropolitan statistical area	21.3	36.65	12.30	4.83	2.89	2.11	14.53	1,723	580	227	148	100	683
In micropolitan statistical area	3.3	6.20	2.14	1.03	0.41	0.33	2.29	1,855	664	307	132	100	686
Not in metropolitan or micropolitan statistical area	1.8	3.57	1.36	0.62	0.30	0.16	1.13	2,026	789	357	183	93	639
Climate region⁶													
Very cold/Cold	21.2	35.94	12.37	4.96	2.34	2.07	14.21	1,695	587	234	121	98	670
Mixed-humid	5.2	10.48	3.43	1.52	1.26	0.53	3.74	2,028	676	294	255	103	724
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

Table CE3.8 Annual household end-use expenditures in the Midwest—totals and averages, 2015

	Number of housing units (million)	Total energy expenditures ¹ (billion dollars)						Average energy expenditures ¹ (dollars per household using the end use)					
		Total Mid-west ²	Total	Space heating ³	Water heating	Air conditioning	Refrigerators	Other ⁴	Total	Space heating ³	Water heating	Air conditioning	Refrigerators
All homes	26.4	46.42	15.79	6.48	3.60	2.60	17.95	1,760	604	246	148	99	681
Housing unit type													
Single-family detached	18.2	36.86	12.81	4.51	3.11	1.99	14.43	2,030	710	249	182	110	795
Single-family attached	1.3	1.94	0.65	0.27	0.12	0.12	0.77	1,513	508	214	101	99	605
Apartments in buildings with 2–4 units	2.0	2.30	0.73	0.45	0.13	0.15	0.85	1,175	373	228	80	76	434
Apartments in buildings with 5 or more units	4.0	3.60	0.93	0.83	0.16	0.27	1.41	903	235	208	44	69	353
Mobile homes	1.0	1.72	0.67	0.41	0.09	0.07	0.48	1,752	760	422	96	71	490
Ownership of housing unit													
Owned	17.8	35.49	12.28	4.35	2.95	1.96	13.95	1,999	698	245	175	111	786
Single-family	16.4	33.49	11.54	3.97	2.85	1.85	13.28	2,038	707	241	182	113	808
Apartments	0.6	0.73	0.22	0.11	0.05	0.05	0.30	1,292	381	197	80	96	537
Mobile homes	0.8	1.27	0.52	0.27	0.06	0.06	0.36	1,685	740	359	89	74	478
Rented ⁷	8.6	10.93	3.52	2.13	0.65	0.64	4.00	1,268	412	247	87	75	464
Single-family	3.0	5.31	1.92	0.82	0.38	0.26	1.92	1,764	640	272	145	87	639
Apartments	5.4	5.18	1.45	1.17	0.24	0.37	1.96	961	270	217	52	69	363
Mobile homes	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q

Table CE3.8 Annual household end-use expenditures in the Midwest—totals and averages, 2015

	Number of housing units (million)	Total energy expenditures ¹ (billion dollars)						Average energy expenditures ¹ (dollars per household using the end use)					
		Total Mid-west ²	Total	Space heating ³	Water heating	Air conditioning	Refrigerators	Other ⁴	Total	Space heating ³	Water heating	Air conditioning	Refrigerators
All homes	26.4	46.42	15.79	6.48	3.60	2.60	17.95	1,760	604	246	148	99	681
Year of construction													
Before 1950	6.2	11.48	4.25	1.50	0.96	0.55	4.21	1,845	690	242	175	90	677
1950 to 1959	3.3	5.52	1.91	0.73	0.51	0.32	2.05	1,686	583	222	175	99	626
1960 to 1969	3.0	4.75	1.65	0.61	0.41	0.28	1.80	1,589	563	203	153	92	602
1970 to 1979	4.0	6.80	2.44	0.98	0.48	0.37	2.53	1,716	623	247	131	93	638
1980 to 1989	2.7	4.58	1.46	0.70	0.36	0.26	1.79	1,701	553	261	145	98	664
1990 to 1999	3.5	6.54	2.07	0.94	0.43	0.40	2.70	1,878	600	270	128	114	775
2000 to 2009	3.1	5.64	1.67	0.82	0.38	0.36	2.41	1,806	536	262	126	114	771
2010 to 2015	0.6	1.11	0.34	0.20	0.05	0.07	0.46	1,774	535	312	86	105	736
Total square footage⁸													
Fewer than 1,000	5.1	5.29	1.59	1.08	0.25	0.36	2.00	1,028	312	210	58	71	389
1,000 to 1,499	4.0	5.78	2.02	1.05	0.36	0.32	2.03	1,430	508	260	95	79	503
1,500 to 1,999	3.4	6.48	2.28	0.96	0.47	0.36	2.41	1,889	663	280	147	106	703
2,000 to 2,499	3.7	7.03	2.41	0.91	0.56	0.39	2.75	1,905	653	246	161	108	746
2,500 to 2,999	3.1	6.09	2.11	0.71	0.55	0.34	2.38	1,958	689	228	182	110	766
3,000 or greater	6.9	15.75	5.38	1.77	1.41	0.83	6.36	2,266	782	254	215	119	916
Number of household members													
1 member	6.9	8.80	3.68	0.93	0.64	0.56	2.98	1,283	539	136	108	83	434
2 members	9.7	17.44	6.12	2.14	1.43	1.00	6.74	1,794	637	221	156	103	694
3 members	3.9	7.53	2.39	1.14	0.57	0.41	3.03	1,914	611	288	151	104	770
4 members	3.4	7.01	2.04	1.21	0.53	0.36	2.86	2,054	599	354	167	108	839
5 members	1.5	3.48	0.97	0.66	0.28	0.17	1.39	2,325	683	443	209	114	933
6 or more members	1.0	2.17	0.59	0.40	0.14	0.09	0.94	2,273	619	416	163	99	988

Table CE3.8 Annual household end-use expenditures in the Midwest—totals and averages, 2015

	Number of housing units (million)	Total energy expenditures ¹ (billion dollars)						Average energy expenditures ¹ (dollars per household using the end use)					
		Total Mid-west ²	Total	Space heating ³	Water heating	Air conditioning	Refrigerators	Other ⁴	Total	Space heating ³	Water heating	Air conditioning	Refrigerators
All homes	26.4	46.42	15.79	6.48	3.60	2.60	17.95	1,760	604	246	148	99	681
2015 annual household income													
Less than \$20,000	4.6	6.02	2.18	1.02	0.34	0.34	2.14	1,320	490	223	89	76	469
\$20,000 to \$39,999	6.6	10.34	3.70	1.51	0.79	0.61	3.73	1,571	565	230	134	93	566
\$40,000 to \$59,999	4.2	7.06	2.51	1.00	0.55	0.38	2.61	1,675	607	238	138	90	619
\$60,000 to \$79,999	3.9	7.36	2.44	1.01	0.59	0.38	2.94	1,872	626	257	155	98	747
\$80,000 to \$99,999	2.3	4.68	1.54	0.64	0.38	0.27	1.85	1,996	655	272	170	117	788
\$100,000 to \$119,999	1.6	3.52	1.07	0.48	0.28	0.19	1.49	2,205	678	301	177	119	936
\$120,000 to \$139,999	1.2	2.86	0.91	0.30	0.26	0.16	1.23	2,294	728	240	219	131	984
\$140,000 or more	1.9	4.58	1.43	0.51	0.41	0.26	1.97	2,418	756	270	219	138	1,038
Payment method for energy bills													
All paid by household	24.0	44.09	15.07	6.04	3.48	2.43	17.07	1,840	634	252	156	102	712
Some paid by household, some included in rent or condo fee	1.5	1.36	0.42	0.24	0.08	0.11	0.50	910	287	164	60	72	338
All included in rent or condo fee	0.7	0.77	0.24	0.18	0.03	0.05	0.28	1,050	325	243	44	71	377
Some other method	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
Main heating fuel													
Natural gas	18.7	32.93	10.84	3.85	2.83	1.93	13.49	1,761	580	206	162	103	721
Electricity	5.4	8.20	3.29	1.68	0.37	0.42	2.45	1,509	605	308	76	77	451
Fuel oil/kerosene	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
Propane	1.5	4.03	1.45	0.63	0.29	0.19	1.46	2,629	948	413	204	128	952

Table CE3.8 Annual household end-use expenditures in the Midwest—totals and averages, 2015

	Number of housing units (million)	Total energy expenditures ¹ (billion dollars)						Average energy expenditures ¹ (dollars per household using the end use)					
		Total Mid- west ²	Space heating ³	Water heating	Air condi- tioning	Refrig- erators	Other ⁴	Total	Space heating ³	Water heating	Air condi- tioning	Refrig- erators	Other ⁴
All homes	26.4	46.42	15.79	6.48	3.60	2.60	17.95	1,760	604	246	148	99	681

¹Consumption and expenditures for biomass (wood), coal, district steam, and solar thermal are excluded.

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.