

Table CE4.18 Annual household end-use expenditures by fuel in the Midwest—averages, 2015

	Number of housing units (million)	Average energy expenditures ¹ (dollars per household using the fuel and end use)																		
		Electricity					Natural gas				Propane				Fuel oil/kerosene					
		Total Mid-west ²	Total	Space heating ³	Water heating	Air conditioning	Refrigerators	Other ⁴	Total	Space heating ³	Water heating	Other ⁴	Total	Space heating ³	Water heating	Other ⁴	Total	Space heating ³	Water heating	Other
All homes	26.4	1,760	1,194	425	374	148	99	659	661	520	164	41	774	723	324	100	670	724	N	Q
Census division																				
East North Central	18.1	1,762	1,176	435	393	140	101	650	677	533	162	42	889	818	327	126	Q	Q	N	Q
West North Central	8.3	1,757	1,234	407	339	166	96	676	623	489	169	38	633	608	319	67	Q	Q	N	N
Census urban/rural classification⁵																				
Urban	20.7	1,644	1,078	309	341	144	97	633	659	519	162	38	515	659	Q	Q	Q	Q	N	Q
Urbanized area	17.2	1,629	1,061	311	325	143	96	626	669	526	158	39	451	Q	Q	Q	Q	Q	N	Q
Urban cluster	3.5	1,718	1,162	298	404	147	99	667	614	490	181	35	Q	Q	Q	Q	Q	Q	N	N
Rural	5.6	2,189	1,622	760	440	163	108	753	679	526	182	68	827	732	320	111	Q	Q	N	N
Metropolitan or micropolitan statistical area																				
In metropolitan statistical area	21.3	1,723	1,145	383	356	148	100	661	662	517	161	40	825	763	333	98	Q	Q	N	Q
In micropolitan statistical area	3.3	1,855	1,332	481	424	132	100	663	653	526	177	51	769	744	314	119	Q	Q	N	N
Not in metropolitan or micropolitan statistical area	1.8	2,026	1,526	691	410	183	93	623	672	565	206	48	638	607	Q	81	Q	Q	N	N
Climate region⁶																				
Very cold/Cold	21.2	1,695	1,122	386	364	121	98	648	652	515	158	40	774	740	338	84	Q	Q	N	Q
Mixed-humid	5.2	2,028	1,491	561	407	255	103	703	707	546	194	50	773	681	252	Q	Q	Q	N	N
Mixed-dry/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	18.2	2,030	1,334	493	404	182	110	770	746	587	172	40	820	746	315	112	Q	Q	N	Q
Single-family attached	1.3	1,513	1,011	364	343	101	99	569	612	477	137	69	N	N	N	N	N	N	N	N
Apartments in buildings with 2-4 units	2.0	1,175	833	303	316	80	76	420	501	350	164	37	Q	Q	Q	N	N	N	N	N
Apartments in buildings with 5 or more units	4.0	903	731	241	280	44	69	344	276	177	134	40	Q	Q	Q	N	Q	Q	N	N
Mobile homes	1.0	1,752	1,458	714	488	96	71	478	558	504	Q	18	Q	Q	Q	Q	Q	Q	N	N

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All homes	26.4	1,760	1,194	425	374	148	99	659	661	520	164	41	774	723	324	100	670	724	N	Q
Ownership of housing unit																				
Owned	17.8	1,999	1,332	518	393	175	111	759	732	575	166	41	799	742	316	105	Q	Q	N	Q
Single-family	16.4	2,038	1,346	512	395	182	113	782	743	584	166	41	837	748	316	116	Q	Q	N	Q
Apartments	0.6	1,292	855	252	Q	80	96	503	547	376	189	53	N	N	N	N	N	N	N	N
Mobile homes	0.8	1,685	1,384	747	427	89	74	467	552	501	Q	19	Q	Q	N	Q	Q	Q	N	N
Rented ⁷	8.6	1,268	911	301	348	87	75	451	493	379	159	43	599	579	Q	Q	Q	Q	N	N
Single-family	3.0	1,764	1,130	361	415	145	87	618	706	559	189	53	Q	Q	Q	Q	Q	Q	N	N
Apartments	5.4	961	755	259	295	52	69	355	328	224	138	35	Q	Q	Q	N	Q	Q	N	N
Mobile homes	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	N	N	N	N
Year of construction																				
Before 1950	6.2	1,845	1,152	399	391	175	90	652	703	571	167	40	793	836	Q	73	Q	Q	N	Q
1950 to 1959	3.3	1,686	1,066	327	412	175	99	606	664	520	155	34	Q	Q	Q	N	Q	Q	N	N
1960 to 1969	3.0	1,589	1,047	399	303	153	92	587	651	494	160	35	351	Q	Q	Q	Q	Q	N	N
1970 to 1979	4.0	1,716	1,183	505	376	131	93	616	647	510	153	44	1,100	858	Q	Q	Q	N	N	Q
1980 to 1989	2.7	1,701	1,257	464	365	145	98	646	627	487	153	49	765	Q	Q	Q	Q	Q	N	N
1990 to 1999	3.5	1,878	1,342	445	371	128	114	755	653	519	175	41	780	672	398	59	N	N	N	N
2000 to 2009	3.1	1,806	1,310	391	384	126	114	742	637	480	181	50	827	595	Q	Q	Q	Q	N	N
2010 to 2015	0.6	1,774	1,401	509	375	86	105	704	548	416	189	Q	Q	Q	Q	Q	N	N	N	N
Total square footage⁸																				
Fewer than 1,000	5.1	1,028	768	262	291	58	71	378	368	274	134	37	Q	Q	Q	Q	Q	Q	N	N
1,000 to 1,499	4.0	1,430	1,060	465	353	95	79	485	561	435	163	42	416	Q	Q	Q	Q	Q	N	Q
1,500 to 1,999	3.4	1,889	1,285	537	497	147	106	672	675	512	165	55	679	587	Q	Q	N	N	N	N
2,000 to 2,499	3.7	1,905	1,208	320	392	161	108	725	723	567	165	38	956	860	Q	Q	Q	Q	N	Q
2,500 to 2,999	3.1	1,958	1,274	383	353	182	110	745	728	578	169	36	769	722	Q	Q	Q	Q	N	N
3,000 or greater	6.9	2,266	1,501	635	424	215	119	887	809	637	179	39	824	762	325	138	Q	Q	N	N
Number of household members																				
1 member	6.9	1,283	836	387	204	108	83	420	560	505	91	35	463	567	Q	Q	Q	Q	N	N
2 members	9.7	1,794	1,236	483	341	156	103	672	660	525	144	36	694	680	253	108	Q	Q	N	Q
3 members	3.9	1,914	1,262	391	462	151	104	738	685	518	194	52	1,171	971	Q	Q	Q	Q	N	N
4 members	3.4	2,054	1,412	376	549	167	108	814	740	519	241	44	802	643	Q	Q	Q	Q	N	N
5 members	1.5	2,325	1,640	387	673	209	114	911	781	555	263	41	Q	Q	Q	Q	Q	Q	N	N
6 or more members	1.0	2,273	1,588	492	631	163	99	957	854	546	321	66	Q	Q	Q	Q	N	N	N	N

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All homes	26.4	1,760	1,194	425	374	148	99	659	661	520	164	41	774	723	324	100	670	724	N	Q
2015 annual household income																				
Less than \$20,000	4.6	1,320	937	415	307	89	76	449	529	424	148	54	385	Q	Q	Q	Q	Q	N	N
\$20,000 to \$39,999	6.6	1,571	1,043	360	376	134	93	550	636	516	140	36	801	753	316	73	Q	Q	N	N
\$40,000 to \$59,999	4.2	1,675	1,133	383	343	138	90	601	646	515	158	35	765	761	330	Q	Q	Q	N	N
\$60,000 to \$79,999	3.9	1,872	1,265	491	416	155	98	721	654	494	166	48	777	667	309	Q	Q	Q	N	N
\$80,000 to \$99,999	2.3	1,996	1,324	418	448	170	117	764	699	555	173	34	987	739	Q	Q	Q	Q	N	Q
\$100,000 to \$119,999	1.6	2,205	1,532	552	479	177	119	907	735	533	199	47	797	752	Q	Q	Q	Q	N	N
\$120,000 to \$139,999	1.2	2,294	1,612	535	379	219	131	962	760	583	193	28	Q	Q	Q	Q	N	N	N	N
\$140,000 or more	1.9	2,418	1,607	611	430	219	138	999	875	673	212	44	Q	Q	Q	Q	N	N	N	N
Payment method for energy bills																				
All paid by household	24.0	1,840	1,247	450	383	156	102	689	694	542	168	42	790	723	318	104	Q	Q	N	Q
Some paid by household, some included in rent or condo fee	1.5	910	622	213	257	60	72	330	291	237	113	23	Q	Q	Q	N	Q	Q	N	N
All included in rent or condo fee	0.7	1,050	734	245	349	44	71	360	472	304	175	Q	N	N	N	N	N	N	N	N
Some other method	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	N	N	Q	N	N	N	N
Main heating fuel																				
Natural gas	18.7	1,761	1,076	234	390	162	103	699	684	527	165	37	Q	Q	N	Q	Q	Q	N	Q
Electricity	5.4	1,509	1,460	592	329	76	77	433	196	121	133	132	251	215	Q	Q	N	N	N	N
Fuel oil/kerosene	Q	Q	Q	Q	Q	Q	Q	Q	Q	N	Q	N	Q	Q	Q	Q	Q	Q	N	Q
Propane	1.5	2,629	1,611	327	483	204	128	924	N	N	N	N	1,019	836	331	72	N	N	N	N

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.