

**Table CE2.3 Annual household site fuel consumption in the Midwest—totals and averages, 2015**

	Number of housing units (million)	Total site energy consumption <sup>1</sup> (trillion Btu)					Average site energy consumption <sup>1</sup> (million Btu per household using the fuel)				
		Total Midwest <sup>2</sup>	Total	Electricity	Natural gas	Propane	Fuel oil/kerosene	Total	Electricity	Natural gas	Propane
<b>All homes</b>	26.4	2,486	861	1,510	107	Q	94.3	32.6	76.8	46.3	39.4
<b>Census division</b>											
East North Central	18.1	1,755	564	1,123	64	Q	97.0	31.1	81.1	50.1	Q
West North Central	8.3	731	297	387	43	Q	88.3	35.9	66.7	41.6	Q
<b>Census urban/rural classification<sup>3</sup></b>											
Urban	20.7	1,946	597	1,331	12	Q	93.8	28.8	76.6	31.0	Q
Urbanized area	17.2	1,631	482	1,137	7	Q	94.9	28.0	79.5	27.6	Q
Urban cluster	3.5	314	115	193	Q	Q	88.5	32.5	63.2	Q	Q
Rural	5.6	540	263	179	94	Q	96.1	46.8	78.4	49.4	Q
<b>Metropolitan or micropolitan statistical area</b>											
In metropolitan statistical area	21.3	2,034	648	1,313	67	Q	95.6	30.5	78.5	49.4	Q
In micropolitan statistical area	3.3	297	128	150	19	Q	88.8	38.4	70.0	41.3	Q
Not in metropolitan or micropolitan statistical area	1.8	155	85	47	21	Q	88.2	48.1	60.5	42.4	Q
<b>Climate region<sup>4</sup></b>											
Very cold/Cold	21.2	2,019	638	1,292	80	Q	95.2	30.1	78.8	46.9	Q
Mixed-humid	5.2	467	223	218	26	Q	90.4	43.1	66.7	44.5	Q
Mixed-dry/Hot-dry	N	N	N	N	N	N	N	N	N	N	N
Hot-humid	N	N	N	N	N	N	N	N	N	N	N
Marine	N	N	N	N	N	N	N	N	N	N	N

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		Total Midwest <sup>2</sup>	Total	Electricity	Natural gas	Propane	Fuel oil/ kerosene	Total	Electricity	Natural gas	Propane
<b>All homes</b>	26.4	2,486	861	1,510	107	Q	94.3	32.6	76.8	46.3	39.4
<b>Housing unit type</b>											
Single-family detached	18.2	2,048	666	1,272	101	Q	112.8	36.7	87.7	49.5	Q
Single-family attached	1.3	110	35	75	N	N	85.8	27.4	71.0	N	N
Apartments in buildings with 2–4 units	2.0	110	41	67	Q	N	55.9	21.0	51.7	Q	N
Apartments in buildings with 5 or more units	4.0	147	75	70	Q	Q	36.8	18.9	29.1	Q	Q
Mobile homes	1.0	72	43	26	Q	Q	73.4	43.7	65.5	Q	Q
<b>Ownership of housing unit</b>											
Owned	17.8	1,944	653	1,187	98	Q	109.5	36.8	85.7	48.6	Q
Single-family	16.4	1,852	609	1,141	97	Q	112.7	37.1	87.5	50.9	Q
Apartments	0.6	35	12	23	N	N	61.7	21.8	50.0	N	N
Mobile homes	0.8	56	31	24	Q	Q	74.5	41.0	64.4	Q	Q
Rented <sup>5</sup>	8.6	542	208	323	9	Q	62.9	24.2	55.7	30.4	Q
Single-family	3.0	305	92	206	Q	Q	101.5	30.6	82.0	Q	Q
Apartments	5.4	221	104	115	Q	Q	41.1	19.3	35.2	Q	Q
Mobile homes	Q	Q	Q	Q	Q	N	Q	Q	Q	Q	N

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		Total Midwest <sup>2</sup>	Total	Electricity	Natural gas	Propane	Fuel oil/ kerosene	Total	Electricity	Natural gas	Propane
<b>All homes</b>	26.4	2,486	861	1,510	107	Q	94.3	32.6	76.8	46.3	39.4
<b>Year of construction</b>											
Before 1950	6.2	653	193	426	28	Q	104.9	31.1	80.2	46.1	Q
1950 to 1959	3.3	326	91	229	Q	Q	99.7	27.7	78.7	Q	Q
1960 to 1969	3.0	257	83	168	4	Q	86.2	27.7	72.6	21.7	Q
1970 to 1979	4.0	353	129	206	18	Q	89.2	32.5	74.8	62.3	Q
1980 to 1989	2.7	229	95	125	9	Q	85.1	35.1	75.4	45.6	Q
1990 to 1999	3.5	332	130	177	24	N	95.2	37.5	79.7	44.9	N
2000 to 2009	3.1	287	115	160	12	Q	91.8	36.9	74.0	56.8	Q
2010 to 2015	0.6	48	25	20	Q	N	77.1	39.7	60.6	Q	N
<b>Total square footage<sup>6</sup></b>											
Fewer than 1,000	5.1	239	102	131	Q	Q	46.5	19.8	39.6	Q	Q
1,000 to 1,499	4.0	273	121	146	5	Q	67.4	29.9	58.6	22.7	Q
1,500 to 1,999	3.4	338	118	206	13	N	98.4	34.4	75.5	38.9	N
2,000 to 2,499	3.7	397	121	250	26	Q	107.6	32.8	84.8	57.4	Q
2,500 to 2,999	3.1	340	110	211	13	Q	109.2	35.4	84.3	47.9	Q
3,000 or greater	6.9	899	289	566	44	Q	129.5	41.6	99.8	50.3	Q
<b>Number of household members</b>											
1 member	6.9	485	154	322	9	Q	70.8	22.4	62.0	28.9	Q
2 members	9.7	912	330	531	46	Q	93.9	33.9	77.0	41.2	Q
3 members	3.9	415	135	261	18	Q	105.3	34.2	80.7	62.7	Q
4 members	3.4	382	132	234	16	Q	111.9	38.6	89.2	51.5	Q
5 members	1.5	174	69	90	Q	Q	116.2	46.1	90.0	Q	Q
6 or more members	1.0	118	42	72	Q	N	123.8	44.5	102.1	Q	N

**Table CE2.3 Annual household site fuel consumption in the Midwest—totals and averages, 2015**

	Number of housing units (million)	Total site energy consumption <sup>1</sup> (trillion Btu)					Average site energy consumption <sup>1</sup> (million Btu per household using the fuel)				
		Total Midwest <sup>2</sup>	Total	Electricity	Natural gas	Propane	Fuel oil/ kerosene	Total	Electricity	Natural gas	Propane
<b>All homes</b>	26.4	2,486	861	1,510	107	Q	94.3	32.6	76.8	46.3	39.4
<b>2015 annual household income</b>											
Less than \$20,000	4.6	307	117	183	6	Q	67.2	25.7	59.5	19.9	Q
\$20,000 to \$39,999	6.6	558	185	353	20	Q	84.7	28.1	71.7	46.8	Q
\$40,000 to \$59,999	4.2	374	133	219	20	Q	88.7	31.6	74.6	43.1	Q
\$60,000 to \$79,999	3.9	390	135	231	20	Q	99.3	34.5	75.5	48.2	Q
\$80,000 to \$99,999	2.3	247	84	145	Q	Q	105.4	35.7	78.8	63.8	Q
\$100,000 to \$119,999	1.6	182	66	103	Q	Q	113.9	41.2	88.1	48.4	Q
\$120,000 to \$139,999	1.2	156	55	95	Q	N	124.8	43.8	95.3	Q	N
\$140,000 or more	1.9	273	86	180	Q	N	143.8	45.5	109.8	Q	N
<b>Payment method for energy bills</b>											
All paid by household	24.0	2,364	820	1,432	105	Q	98.6	34.2	80.5	47.3	Q
Some paid by household, some included in rent or condo fee	1.5	70	23	44	Q	Q	47.2	15.4	35.0	Q	Q
All included in rent or condo fee	0.7	40	14	26	N	N	55.1	19.3	53.5	N	N
Some other method	Q	Q	Q	Q	Q	N	Q	Q	Q	Q	N
<b>Main heating fuel</b>											
Natural gas	18.7	2,020	528	1,490	Q	Q	108.0	28.3	79.7	Q	Q
Electricity	5.4	261	239	15	7	N	48.1	44.0	17.8	17.7	N
Fuel oil/kerosene	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
Propane	1.5	157	65	N	92	N	102.6	42.4	N	60.1	N

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		Total Midwest <sup>2</sup>	Total	Electricity	Natural gas	Propane	Fuel oil/ kerosene	Total	Electricity	Natural gas	Propane
<b>All homes</b>	26.4	2,486	861	1,510	107	Q	94.3	32.6	76.8	46.3	39.4

<sup>1</sup>Consumption 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.

<sup>2</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>3</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>4</sup>These 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).

<sup>5</sup>Rented includes households that occupy their primary housing units without paying rent.

<sup>6</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 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.

**Table CE2.3 Annual household site fuel consumption in the Midwest—totals and averages, 2015**

	Number of housing units (million)	Total site energy consumption <sup>1</sup>				Average site energy consumption <sup>1</sup> (per household using the fuel)				
		Total Midwest <sup>2</sup>	Electricity (billion kWh)	Natural gas (billion cf)	Propane (million gallons)	Fuel oil/ kerosene (million gallons)	Electricity (kWh)	Natural gas (ccf)	Propane (gallons)	Fuel oil/ kerosene (gallons)
<b>All homes</b>	26.4	252	1,508	1,166	Q	9,567	768	507	287	
<b>Census division</b>										
East North Central	18.1	165	1,115	695	Q	9,129	805	549	Q	
West North Central	8.3	87	394	471	Q	10,524	678	456	Q	
<b>Census urban/rural classification<sup>3</sup></b>										
Urban	20.7	175	1,329	132	Q	8,440	765	340	Q	
Urbanized area	17.2	141	1,136	74	Q	8,215	794	303	Q	
Urban cluster	3.5	34	194	Q	Q	9,528	633	Q	Q	
Rural	5.6	77	179	1,034	Q	13,722	783	541	Q	
<b>Metropolitan or micropolitan statistical area</b>										
In metropolitan statistical area	21.3	190	1,310	733	Q	8,927	783	541	Q	
In micropolitan statistical area	3.3	38	151	205	Q	11,247	706	452	Q	
Not in metropolitan or micropolitan statistical area	1.8	25	47	229	Q	14,099	602	464	Q	
<b>Climate region<sup>4</sup></b>										
Very cold/Cold	21.2	187	1,288	880	Q	8,821	786	514	Q	
Mixed-humid	5.2	65	220	286	Q	12,626	675	487	Q	
Mixed-dry/Hot-dry	N	N	N	N	N	N	N	N	N	
Hot-humid	N	N	N	N	N	N	N	N	N	
Marine	N	N	N	N	N	N	N	N	N	

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<b>All homes</b>	26.4	252	1,508	1,166	Q	9,567	768	507	287	
<b>Housing unit type</b>										
Single-family detached	18.2	195	1,271	1,108	Q	10,754	877	541	Q	
Single-family attached	1.3	10	75	N	N	8,042	709	N	N	
Apartments in buildings with 2–4 units	2.0	12	67	Q	N	6,143	515	Q	N	
Apartments in buildings with 5 or more units	4.0	22	70	Q	Q	5,536	290	Q	Q	
Mobile homes	1.0	13	26	Q	Q	12,815	653	Q	Q	
<b>Ownership of housing unit</b>										
Owned	17.8	191	1,187	1,070	Q	10,774	856	532	Q	
Single-family	16.4	179	1,141	1,058	Q	10,868	875	557	Q	
Apartments	0.6	4	23	N	N	6,386	497	N	N	
Mobile homes	0.8	9	24	Q	Q	12,025	640	Q	Q	
Rented <sup>5</sup>	8.6	61	321	97	Q	7,080	555	332	Q	
Single-family	3.0	27	205	Q	Q	8,978	816	Q	Q	
Apartments	5.4	31	114	Q	Q	5,667	351	Q	Q	
Mobile homes	Q	Q	Q	Q	N	Q	Q	Q	N	

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		Total Midwest <sup>2</sup>	Electricity (billion kWh)	Natural gas (billion cf)	Propane (million gallons)	Fuel oil/ kerosene (million gallons)	Electricity (kWh)	Natural gas (ccf)	Propane (gallons)
<b>All homes</b>	26.4	252	1,508	1,166	Q	9,567	768	507	287
<b>Year of construction</b>									
Before 1950	6.2	57	424	311	Q	9,101	797	505	Q
1950 to 1959	3.3	27	229	Q	Q	8,113	787	Q	Q
1960 to 1969	3.0	24	168	48	Q	8,132	725	238	Q
1970 to 1979	4.0	38	206	202	Q	9,533	750	682	Q
1980 to 1989	2.7	28	125	100	Q	10,296	754	499	Q
1990 to 1999	3.5	38	178	263	N	10,983	799	492	N
2000 to 2009	3.1	34	160	128	Q	10,812	740	622	Q
2010 to 2015	0.6	7	20	Q	N	11,630	608	Q	N
<b>Total square footage<sup>6</sup></b>									
Fewer than 1,000	5.1	30	131	Q	Q	5,792	396	Q	Q
1,000 to 1,499	4.0	35	146	55	Q	8,763	587	248	Q
1,500 to 1,999	3.4	35	206	143	N	10,095	753	426	N
2,000 to 2,499	3.7	35	249	282	Q	9,606	845	628	Q
2,500 to 2,999	3.1	32	211	139	Q	10,378	842	525	Q
3,000 or greater	6.9	85	566	479	Q	12,184	998	551	Q



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		Total Midwest <sup>2</sup>	Electricity (billion kWh)	Natural gas (billion cf)	Propane (million gallons)	Fuel oil/ kerosene (million gallons)	Electricity (kWh)	Natural gas (ccf)	Propane (gallons)	Fuel oil/ kerosene (gallons)
<b>All homes</b>	26.4	252	1,508	1,166	Q	9,567	768	507	287	
<b>Number of household members</b>										
1 member	6.9	45	322	103	Q	6,567	620	317	Q	
2 members	9.7	97	530	509	Q	9,938	769	451	Q	
3 members	3.9	39	261	203	Q	10,019	806	687	Q	
4 members	3.4	39	233	173	Q	11,313	889	564	Q	
5 members	1.5	20	90	Q	Q	13,517	901	Q	Q	
6 or more members	1.0	12	72	Q	N	13,039	1,016	Q	N	
<b>2015 annual household income</b>										
Less than \$20,000	4.6	34	183	63	Q	7,530	592	218	Q	
\$20,000 to \$39,999	6.6	54	352	215	Q	8,222	714	512	Q	
\$40,000 to \$59,999	4.2	39	219	214	Q	9,260	745	471	Q	
\$60,000 to \$79,999	3.9	40	231	215	Q	10,098	754	528	Q	
\$80,000 to \$99,999	2.3	25	145	Q	Q	10,471	787	698	Q	
\$100,000 to \$119,999	1.6	19	104	Q	Q	12,063	885	530	Q	
\$120,000 to \$139,999	1.2	16	95	Q	N	12,836	954	Q	N	
\$140,000 or more	1.9	25	181	Q	N	13,346	1,102	Q	N	
<b>Payment method for energy bills</b>										
All paid by household	24.0	240	1,431	1,150	Q	10,029	805	518	Q	
Some paid by household, some included in rent or condo fee	1.5	7	43	Q	Q	4,506	349	Q	Q	
All included in rent or condo fee	0.7	4	26	N	N	5,648	533	N	N	
Some other method	Q	Q	Q	Q	N	Q	Q	Q	N	

U.S. Energy Information Administration

2015 Residential Energy Consumption Survey: Energy Consumption and Expenditures Tables

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<b>All homes</b>	26.4	252	1,508	1,166	Q	9,567	768	507	287	
<b>Main heating fuel</b>										
Natural gas	18.7	155	1,489	Q	Q	8,283	796	Q	Q	
Electricity	5.4	70	15	81	N	12,905	179	194	N	
Fuel oil/kerosene	Q	Q	Q	Q	Q	Q	Q	Q	Q	
Propane	1.5	19	N	1,009	N	12,430	N	659	N	

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