

Table CE4.8 Household Site End-Use Consumption by Fuel in the Midwest Region, Averages, 2009
Physical Units, Final

Housing Unit Characteristics and Energy Usage Indicators	Total Housing Units ¹ (millions)	Average Site Energy Consumption (per household using the fuel and end use)																		
		Electricity (kWh)						Natural Gas (thousand cubic feet)				Propane/LPG (gallons)				Fuel Oil (gallons)				Kerosene (gallons)
		Total	Space Heating ²	Water Heating	Air Conditioning	Refrigerators	Other ³	Total	Space Heating ²	Water Heating	Other ³	Total	Space Heating ²	Water Heating	Other ³	Total	Space Heating ²	Water Heating	Other ³	Total
Total Midwest	25.9	10,583	2,226	2,846	876	1,316	6,740	88	65	22	13	732	662	225	107	443	456	Q	Q	24
Midwest Divisions and States																				
East North Central.....	17.9	10,135	2,158	2,802	745	1,300	6,631	91	67	22	13	684	627	241	98	403	415	Q	Q	25
Illinois.....	4.8	10,392	1,806	3,279	1,022	1,414	6,988	100	71	22	15	621	Q	Q	Q	N	N	N	N	Q
Michigan.....	3.8	8,695	1,514	2,502	371	1,226	6,210	100	73	24	12	770	655	220	103	Q	Q	Q	Q	Q
Wisconsin.....	2.3	8,672	1,578	2,207	296	1,180	5,999	78	63	20	9	692	726	205	126	472	525	N	Q	Q
Indiana, Ohio.....	7.0	11,220	2,705	2,926	875	1,302	6,824	83	62	21	13	647	583	Q	70	Q	Q	N	N	Q
West North Central.....	8.1	11,576	2,338	2,921	1,144	1,352	6,981	80	60	22	11	793	702	205	120	522	532	N	Q	22
Missouri.....	2.3	13,740	2,656	3,165	1,797	1,405	7,611	78	56	25	11	635	526	209	119	Q	Q	N	N	Q
IA, MN, ND, SD.....	3.9	10,719	2,224	2,859	601	1,347	6,807	84	66	21	10	867	785	214	122	534	544	N	Q	18
Kansas, Nebraska.....	1.8	10,633	2,059	2,495	1,349	1,293	6,544	74	55	22	12	Q	Q	Q	Q	N	N	N	N	Q
Urban and Rural⁴																				
Urban.....	19.9	9,532	1,971	2,628	824	1,272	6,168	90	66	22	12	462	476	171	119	428	452	N	Q	32
Rural.....	6.0	14,084	2,947	3,149	1,054	1,463	8,645	77	61	22	16	773	684	233	106	449	457	Q	Q	17
Metropolitan and Micropolitan Statistical Area																				
In metropolitan statistical area.....	19.4	10,094	2,027	2,741	881	1,319	6,584	92	67	23	13	760	694	248	116	430	450	N	Q	30
In micropolitan statistical area.....	4.7	11,560	2,731	2,953	826	1,283	6,843	71	58	18	9	652	567	218	90	Q	Q	Q	N	Q
Not in metropolitan or micropolitan statistical area.....	1.8	13,308	2,614	3,097	959	1,374	8,146	72	61	22	8	745	689	177	105	563	570	N	Q	Q
Climate Region⁵																				
Very Cold/Cold.....	20.4	9,917	2,123	2,729	623	1,293	6,568	91	68	22	13	754	699	213	109	455	470	Q	Q	19
Mixed-Humid.....	5.5	13,041	2,490	3,124	1,701	1,400	7,376	74	55	23	11	673	566	254	103	Q	Q	N	N	36
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.....	19.2	11,726	2,078	3,090	1,005	1,427	7,732	95	69	24	13	768	679	243	119	451	457	Q	Q	24
Single-Family Detached.....	18.0	11,981	2,115	3,114	1,032	1,451	7,899	97	70	24	13	773	681	244	120	446	452	Q	Q	25
Single-Family Attached.....	1.2	8,034	1,586	2,501	612	1,078	5,321	75	56	20	10	Q	Q	Q	Q	Q	Q	N	N	Q
Multi-Family.....	5.6	6,551	2,597	2,039	431	934	3,358	65	53	15	9	412	Q	Q	Q	Q	Q	N	Q	Q
Apartments in 2-4 Unit Buildings.....	1.9	7,620	2,402	2,530	514	1,066	4,655	93	68	22	11	N	N	N	N	Q	Q	N	N	Q
Apartments in 5 or More Unit Buildings.....	3.7	5,987	2,677	1,885	395	864	2,672	46	41	11	7	412	Q	Q	Q	Q	Q	N	Q	Q
Mobile Homes.....	1.1	11,247	2,621	3,286	693	1,339	6,691	66	46	20	12	592	546	Q	65	N	N	N	N	Q
Ownership of Housing Unit⁶																				
Owned.....	18.6	11,777	2,161	3,129	1,002	1,439	7,744	94	69	24	13	749	662	247	109	459	467	Q	Q	22
Single-Family.....	16.9	11,977	2,134	3,156	1,038	1,459	7,900	96	69	24	13	763	672	257	120	459	467	Q	Q	25
Multi-Family.....	0.8	8,303	2,544	2,144	495	1,113	5,620	94	70	21	9	N	N	N	N	N	N	N	N	Q
Mobile Homes.....	0.9	11,109	2,443	3,170	713	1,355	6,679	64	45	21	11	617	571	Q	59	N	N	N	N	Q
Rented.....	7.4	7,571	2,354	2,275	520	1,005	4,207	71	56	17	12	621	660	133	90	370	401	N	Q	Q
Single-Family.....	2.3	9,919	1,752	2,669	730	1,191	6,523	91	69	23	15	835	763	123	Q	Q	Q	N	N	Q
Multi-Family.....	4.8	6,258	2,603	2,030	419	904	2,979	59	48	14	10	412	Q	Q	Q	Q	Q	N	Q	Q
Mobile Homes.....	0.2	11,880	3,253	3,894	613	1,268	6,746	Q	Q	Q	Q	Q	Q	Q	Q	N	N	N	N	Q
Year of Construction																				

Before 1940.....	4.6	10,714	1,796	2,905	828	1,295	7,185	105	84	23	12	815	813	169	174	465	479	Q	Q	Q
1940 to 1949.....	1.4	11,417	1,834	3,512	907	1,317	7,620	96	72	20	12	752	728	Q	Q	Q	Q	N	N	Q
1950 to 1959.....	3.6	8,734	1,560	2,560	729	1,181	5,819	94	67	24	12	605	773	Q	113	383	385	N	Q	Q
1960 to 1969.....	3.2	9,285	2,366	2,740	690	1,199	5,922	85	64	22	9	592	584	Q	Q	444	Q	N	Q	Q
1970 to 1979.....	4.2	11,037	2,918	3,046	805	1,315	6,578	76	55	20	11	842	706	276	145	Q	Q	N	N	Q
1980 to 1989.....	3.1	10,609	2,599	2,644	839	1,310	6,247	76	54	21	18	609	542	179	63	Q	Q	N	N	Q
1990 to 1999.....	3.2	11,376	2,013	2,973	1,009	1,477	7,422	81	58	22	12	700	575	249	70	N	N	N	N	Q
2000 to 2009.....	2.6	12,350	2,340	2,611	1,297	1,502	7,787	82	60	22	17	773	631	269	130	Q	N	N	Q	Q
Total Square Footage⁷																				
Fewer than 500.....	0.6	4,838	2,341	1,538	346	886	1,838	51	46	10	4	Q	Q	N	Q	N	N	N	N	N
500 to 999.....	4.4	7,069	2,541	2,162	392	990	3,724	64	52	15	9	472	501	133	56	Q	Q	N	Q	Q
1,000 to 1,499.....	4.3	8,967	2,381	2,858	624	1,099	5,299	73	55	19	11	662	629	118	99	Q	Q	N	N	Q
1,500 to 1,999.....	3.7	10,148	2,216	3,049	752	1,237	6,590	85	62	22	10	680	654	154	115	Q	Q	N	N	22
2,000 to 2,499.....	3.6	10,596	1,782	2,806	810	1,384	7,136	92	67	24	12	797	764	212	59	462	462	N	N	Q
2,500 to 2,999.....	2.9	12,108	1,943	3,226	953	1,447	8,184	92	67	24	13	802	733	226	145	Q	Q	N	N	Q
3,000 to 3,499.....	2.2	11,081	1,659	2,572	945	1,339	7,742	100	74	25	13	760	682	153	116	Q	Q	Q	Q	Q
3,500 to 3,999.....	1.7	13,312	2,146	3,387	1,173	1,574	8,886	106	79	26	12	671	555	260	107	Q	Q	N	Q	Q
4,000 or More.....	2.7	16,944	2,666	3,830	1,985	1,982	10,957	129	91	30	24	885	717	345	137	Q	Q	N	Q	Q
Number of Household Members																				
1 Person.....	7.4	6,980	2,373	1,838	573	1,076	3,938	74	61	16	6	591	627	102	56	502	502	N	N	Q
2 Persons.....	8.5	10,800	2,459	2,866	905	1,353	6,821	86	66	21	9	771	745	180	120	406	424	Q	Q	31
3 Persons.....	3.9	11,707	1,834	3,184	899	1,418	7,725	97	68	25	18	743	658	235	130	Q	Q	N	Q	Q
4 Persons.....	3.5	13,643	2,086	3,777	1,082	1,515	9,155	98	70	27	18	772	558	301	114	Q	Q	N	Q	Q
5 Persons.....	1.7	14,026	1,937	3,993	1,341	1,419	9,496	102	65	28	20	872	622	387	121	Q	Q	N	N	Q
6 or More Persons.....	0.9	15,072	2,041	4,794	1,155	1,530	10,298	108	67	30	27	Q	Q	Q	Q	N	N	N	N	Q
2009 Annual Household Income																				
Less than \$20,000.....	5.5	8,600	2,679	2,527	647	1,131	4,978	81	63	19	11	565	592	131	60	421	421	N	N	Q
\$20,000 to \$39,999.....	6.5	9,009	2,122	2,588	662	1,149	5,554	79	60	20	10	734	684	171	109	492	492	N	N	29
\$40,000 to \$59,000.....	5.0	10,340	1,948	2,793	831	1,246	6,735	89	65	22	11	711	697	123	116	380	390	Q	Q	Q
\$60,000 to \$79,999.....	3.4	10,982	1,958	3,098	836	1,334	7,312	85	64	23	10	781	686	280	111	Q	Q	N	Q	Q
\$80,000 to \$99,999.....	2.0	13,285	2,190	3,739	1,089	1,595	8,829	97	68	24	14	775	603	266	105	Q	Q	N	N	Q
\$100,000 to \$119,999.....	1.3	12,941	1,923	3,727	1,085	1,550	8,696	99	71	25	14	854	744	Q	Q	Q	Q	N	Q	Q
\$120,000 or More.....	2.1	16,439	2,607	3,393	1,742	2,036	10,830	120	82	30	27	829	658	341	156	Q	Q	N	N	Q
Income Relative to Poverty Line⁸																				
Below 100 Percent.....	3.7	9,442	2,618	3,056	698	1,177	5,522	83	63	20	13	553	513	146	79	Q	Q	N	N	Q
100 to 150 Percent.....	2.6	9,391	2,162	2,496	695	1,158	6,011	87	64	22	12	674	694	Q	78	Q	Q	N	N	Q
Above 150 Percent.....	19.6	10,954	2,151	2,850	924	1,363	7,066	89	66	22	12	760	675	233	118	443	464	Q	Q	25
Payment Method for Energy Bills																				
All Paid by Household.....	22.6	11,058	2,191	2,853	914	1,345	7,109	91	67	23	13	742	668	233	109	441	447	Q	Q	23
Some Paid, Some in Rent.....	1.6	4,270	2,130	1,752	316	880	2,518	61	51	12	8	Q	Q	Q	Q	Q	Q	N	N	Q
All Included in Rent.....	1.0	6,095	2,771	2,148	492	915	2,518	65	56	14	7	N	N	N	N	Q	Q	N	N	Q
Other Method.....	0.7	15,943	2,529	4,652	1,402	1,929	10,411	103	77	27	11	519	530	Q	Q	Q	Q	N	Q	Q

¹Includes all primary occupied housing units in the 50 States and the District of Columbia. Vacant housing units, seasonal units, second homes, military housing, and group quarters are excluded.

²Includes main (primary) and secondary space heating. For example, a household using a natural gas furnace as the main source of heat and electric space heaters as a secondary source would be included in the Natural Gas and Electricity Space Heating averages.

³"Other" includes end uses not shown separately (e.g., cooking appliances, clothes washer, dryers, dishwashers, televisions, computers, small electronic devices, pools, hot tubs, and lighting.)

⁴Housing units are classified as urban or rural using definitions created by the U.S. Census Bureau, which are publicly available through 2009 TIGER/Line Shapefiles.

⁵These climate regions were created by the Building America program, sponsored by the U.S. Department of Energy's Office of Energy and Efficiency and Renewable Energy (EERE).

⁶Rented includes households that occupy their primary housing unit without payment of rent.

⁷Total 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.

⁸To determine the number of households below the poverty line, the annual household income and number of household members were compared to the 2009 Poverty Guidelines for families published by the U.S. Department of Health and Human Services.

Q = Data withheld either because the Relative Standard Error (RSE) was greater than 50 percent or fewer than 10 households were sampled.

N = No cases in reporting sample.

(*) Number rounds to zero.

Notes: • Because of rounding, data may not sum to totals.

Source: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Forms EIA-457 A and C-G of the 2009 Residential Energy Consumption Survey.