

Table CE4.17 Annual household end-use expenditures by fuel in the Northeast—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 North-east 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	21.0	2,269	1,345	445	461	174	120	780	766	614	229	73	772	986	453	168	1,305	1,161	381	Q
Census division																				
New England	5.6	2,541	1,373	385	473	127	124	869	843	648	277	92	678	954	461	132	1,472	1,363	349	Q
Middle Atlantic	15.4	2,169	1,334	465	456	188	118	748	749	606	218	69	866	1,013	447	206	1,169	1,001	410	Q
Census urban/rural classification⁵																				
Urban	17.7	2,203	1,321	435	453	186	121	762	758	604	228	72	680	954	431	231	1,346	1,176	383	Q
Urbanized area	15.6	2,223	1,349	431	447	200	123	776	751	600	228	72	804	1,010	Q	297	1,379	1,195	389	Q
Urban cluster	2.2	2,063	1,122	481	484	71	107	658	831	635	224	76	432	Q	Q	122	1,217	1,101	351	N
Rural	3.3	2,626	1,472	499	484	92	114	879	1,062	972	261	Q	844	1,005	466	122	1,216	1,127	377	Q
Metropolitan or micropolitan statistical area																				
In metropolitan statistical area	18.4	2,264	1,360	440	445	185	121	792	770	617	231	73	924	1,073	439	186	1,305	1,148	390	Q
In micropolitan statistical area	Q	2,369	1,373	432	600	76	115	780	762	626	220	74	467	656	Q	148	1,222	1,166	330	Q
Not in metropolitan or micropolitan statistical area	Q	2,215	1,025	Q	427	54	100	573	Q	Q	Q	N	433	Q	Q	119	1,385	1,221	369	Q
Climate region⁶																				
Very cold/Cold	13.9	2,282	1,328	414	452	132	113	792	828	661	226	79	737	954	432	131	1,294	1,209	337	Q
Mixed-humid	7.1	2,244	1,376	520	487	248	132	757	677	541	234	64	Q	Q	Q	Q	1,330	1,045	434	Q
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	10.8	2,887	1,617	506	509	204	132	976	1,065	850	246	76	879	1,117	492	183	1,570	1,464	360	Q
Single-family attached	1.9	2,013	1,164	427	381	187	111	656	929	705	213	70	Q	Q	Q	Q	Q	Q	Q	N
Apartments in buildings with 2-4 units	3.2	1,743	1,123	442	455	125	100	619	608	440	257	75	Q	Q	Q	Q	814	634	Q	N
Apartments in buildings with 5 or more units	4.7	1,327	940	293	363	139	110	510	331	214	183	69	Q	Q	Q	Q	613	323	438	N
Mobile homes	0.5	2,022	1,308	Q	516	62	89	551	Q	Q	Q	Q	Q	Q	Q	Q	765	675	Q	Q

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All homes	21.0	2,269	1,345	445	461	174	120	780	766	614	229	73	772	986	453	168	1,305	1,161	381	Q
Ownership of housing unit																				
Owned	12.9	2,693	1,555	501	482	201	134	925	981	786	234	69	837	1,045	473	177	1,456	1,353	355	Q
Single-family	11.1	2,824	1,608	518	488	207	134	967	1,056	845	233	63	888	1,106	491	183	1,563	1,467	353	Q
Apartments	1.4	1,797	1,201	288	437	187	151	683	616	429	239	106	Q	Q	Q	N	Q	Q	Q	N
Mobile homes	0.4	2,080	1,277	Q	480	63	96	581	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
Rented ⁷	8.1	1,594	1,010	362	427	127	96	550	506	367	222	78	409	Q	Q	Q	942	708	437	Q
Single-family	1.5	2,275	1,134	315	530	155	95	654	939	681	269	132	Q	Q	Q	Q	1,628	1,461	Q	Q
Apartments	6.5	1,431	975	369	394	122	97	527	402	280	209	62	Q	Q	Q	Q	725	453	427	N
Mobile homes	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	N	Q	Q	N	N	Q	Q	Q	N	N
Year of construction																				
Before 1950	7.3	2,141	1,213	382	471	193	111	724	735	588	222	58	668	935	Q	113	1,315	1,172	395	Q
1950 to 1959	3.0	2,440	1,256	251	362	212	124	764	843	698	225	77	Q	Q	Q	Q	1,504	1,335	391	Q
1960 to 1969	2.4	2,406	1,384	501	411	214	128	845	831	694	231	78	609	Q	Q	Q	1,213	1,037	392	Q
1970 to 1979	2.5	2,151	1,406	599	468	144	107	682	714	558	207	90	678	Q	Q	121	1,337	1,256	Q	Q
1980 to 1989	2.1	2,174	1,430	489	448	136	120	820	497	392	249	60	732	Q	Q	395	1,191	994	353	Q
1990 to 1999	1.7	2,489	1,612	526	497	146	146	916	993	781	265	55	862	852	Q	182	1,252	1,098	Q	N
2000 to 2009	1.6	2,519	1,628	463	584	111	139	965	860	570	253	167	863	1,121	Q	199	1,099	1,105	Q	Q
2010 to 2015	0.4	1,756	1,013	Q	431	54	85	587	Q	Q	Q	Q	Q	Q	Q	Q	N	N	N	N
Total square footage⁸																				
Fewer than 1,000	5.5	1,343	943	348	402	111	104	501	351	243	179	53	326	Q	Q	127	612	404	394	Q
1,000 to 1,499	3.7	1,822	1,162	404	446	125	106	637	635	471	244	72	680	Q	Q	Q	900	657	519	Q
1,500 to 1,999	1.9	2,454	1,363	360	468	193	127	793	922	774	235	91	614	Q	Q	Q	1,400	1,286	Q	Q
2,000 to 2,499	2.4	2,525	1,456	561	460	202	121	788	1,041	742	268	104	990	Q	Q	105	1,456	1,272	471	Q
2,500 to 2,999	2.5	2,652	1,455	424	465	205	125	898	1,013	833	243	57	740	Q	Q	158	1,700	1,569	382	Q
3,000 or greater	5.1	3,217	1,797	575	548	234	141	1,119	1,139	920	247	82	985	1,176	604	219	1,611	1,545	311	Q
Number of household members																				
1 member	5.5	1,518	904	379	245	116	108	522	513	459	124	43	515	874	306	96	906	905	185	Q
2 members	7.4	2,239	1,309	436	424	161	122	734	765	650	200	66	785	889	384	176	1,289	1,151	328	Q
3 members	3.7	2,541	1,465	396	558	181	121	877	897	731	275	77	908	Q	Q	142	1,459	1,295	447	Q
4 members	2.5	3,029	1,805	525	633	236	129	1,112	948	642	355	92	1,515	Q	Q	Q	1,587	1,279	601	Q
5 members	1.2	2,801	1,775	594	716	279	128	1,015	981	690	318	102	Q	Q	Q	Q	Q	Q	Q	Q
6 or more members	0.7	3,360	2,113	Q	983	249	137	1,174	1,021	616	413	153	Q	N	N	Q	Q	Q	Q	N

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All homes	21.0	2,269	1,345	445	461	174	120	780	766	614	229	73	772	986	453	168	1,305	1,161	381	Q	
2015 annual household income																					
Less than \$20,000	4.2	1,709	985	401	425	122	95	551	605	488	203	90	386	Q	Q	109	954	809	348	Q	
\$20,000 to \$39,999	4.3	2,012	1,141	416	371	151	109	672	731	564	240	72	772	1,094	Q	131	1,313	1,170	328	Q	
\$40,000 to \$59,999	2.9	2,166	1,236	302	505	155	117	741	758	569	214	64	916	1,022	513	147	1,216	1,049	478	Q	
\$60,000 to \$79,999	2.8	2,387	1,500	506	526	153	119	781	730	651	223	82	765	961	Q	131	1,421	1,330	350	N	
\$80,000 to \$99,999	1.6	2,348	1,433	268	436	177	139	875	811	615	236	53	Q	Q	Q	Q	1,504	1,300	350	Q	
\$100,000 to \$119,999	1.6	2,722	1,651	582	408	176	130	883	1,134	887	267	60	842	Q	Q	Q	140	1,594	1,347	Q	N
\$120,000 to \$139,999	1.2	2,730	1,618	744	488	255	130	919	850	679	231	72	Q	Q	Q	Q	1,563	1,328	Q	N	
\$140,000 or more	2.3	3,140	1,906	522	608	281	161	1,232	869	709	247	70	999	Q	Q	355	1,551	1,557	432	Q	
Payment method for energy bills																					
All paid by household	16.3	2,492	1,451	467	468	182	123	846	912	702	238	81	837	1,057	475	176	1,452	1,345	361	Q	
Some paid by household, some included in rent or condo fee	2.7	1,489	874	219	352	141	121	527	340	266	202	56	Q	Q	Q	Q	828	524	434	N	
All included in rent or condo fee	1.9	1,494	1,118	485	486	154	92	588	406	309	189	36	Q	Q	Q	Q	Q	Q	Q	N	
Some other method	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	N	N	Q	Q	Q	N	
Main heating fuel																					
Natural gas	11.4	2,075	1,215	309	384	200	126	788	858	619	224	65	Q	N	N	Q	Q	Q	Q	N	
Electricity	2.8	1,780	1,674	616	442	98	93	510	169	Q	Q	83	634	Q	Q	Q	Q	Q	Q	Q	
Fuel oil/kerosene	4.8	2,971	1,423	361	511	180	117	874	278	Q	326	145	321	448	Q	177	1,425	1,232	383	Q	
Propane	0.9	3,042	1,369	441	484	94	118	911	Q	N	Q	Q	1,638	1,289	471	136	Q	N	Q	N	

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

²Total Northeast includes all primary occupied housing units in the Northeast 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.