

Table CE2.2 Annual household site fuel consumption in the Northeast—totals and averages, 2015

	Number of housing units (million)	Total site energy consumption ¹ (trillion Btu)					Average site energy consumption ¹ (million Btu per household using the fuel)				
		Total North-east ²	Total	Electricity	Natural gas	Propane	Fuel oil/kerosene	Total	Electricity	Natural gas	Propane
All homes	21.0	1,984	588	921	79	395	94.4	28.0	68.7	29.3	73.0
Census division											
New England	5.6	547	144	161	33	209	97.3	25.6	64.8	24.7	86.1
Middle Atlantic	15.4	1,436	444	760	46	186	93.4	28.9	69.6	33.9	62.4
Census urban/rural classification³											
Urban	17.7	1,652	469	879	30	273	93.1	26.4	67.4	25.2	73.9
Urbanized area	15.6	1,465	413	805	23	224	93.9	26.5	67.7	29.7	75.7
Urban cluster	2.2	187	57	74	Q	50	86.8	26.3	64.9	16.3	66.7
Rural	3.3	332	119	42	50	122	102.0	36.6	111.4	32.6	71.2
Metropolitan or micropolitan statistical area											
In metropolitan statistical area	18.4	1,750	522	877	64	287	95.0	28.3	68.9	35.1	72.7
In micropolitan statistical area	Q	Q	Q	Q	Q	Q	93.3	29.3	71.2	17.9	69.8
Not in metropolitan or micropolitan statistical area	Q	Q	Q	Q	Q	Q	86.2	20.7	Q	16.3	77.6
Climate region⁴											
Very cold/Cold	13.9	1,383	414	613	68	287	99.3	29.7	77.6	28.2	75.2
Mixed-humid	7.1	601	174	308	Q	107	84.9	24.6	55.9	38.7	67.9
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 North- east ²	Total	Electricity	Natural gas	Propane	Fuel oil/ kerosene	Total	Electricity	Natural gas	Propane
All homes	21.0	1,984	588	921	79	395	94.4	28.0	68.7	29.3	73.0
Housing unit type											
Single-family detached	10.8	1,356	391	572	68	325	125.5	36.2	99.1	33.3	88.5
Single-family attached	1.9	174	46	117	Q	Q	93.2	24.6	78.6	Q	Q
Apartments in buildings with 2–4 units	3.2	222	68	127	Q	22	70.2	21.6	53.7	Q	43.9
Apartments in buildings with 5 or more units	4.7	192	66	95	Q	29	41.0	14.1	26.4	Q	32.0
Mobile homes	0.5	40	18	Q	Q	11	81.2	36.2	Q	Q	43.6
Ownership of housing unit											
Owned	12.9	1,478	437	658	73	310	114.6	33.9	89.6	31.8	81.3
Single-family	11.1	1,354	397	591	71	295	121.5	35.7	97.1	33.8	87.3
Apartments	1.4	90	26	58	Q	Q	66.5	19.1	52.8	Q	Q
Mobile homes	0.4	34	14	Q	Q	Q	85.4	33.9	Q	Q	Q
Rented ⁵	8.1	505	152	263	Q	84	62.3	18.7	43.3	15.8	53.2
Single-family	1.5	176	39	98	Q	39	115.2	25.5	83.5	Q	99.6
Apartments	6.5	324	108	164	Q	45	49.9	16.7	33.8	Q	38.3
Mobile homes	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q

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All homes	21.0	1,984	588	921	79	395	94.4	28.0	68.7	29.3	73.0
Year of construction											
Before 1950	7.3	679	170	367	15	128	93.0	23.2	67.0	25.4	70.9
1950 to 1959	3.0	321	75	155	Q	82	108.8	25.4	74.3	Q	84.7
1960 to 1969	2.4	246	68	114	Q	55	100.9	27.8	72.4	24.6	70.1
1970 to 1979	2.5	209	78	78	Q	46	83.9	31.4	66.1	23.4	76.9
1980 to 1989	2.1	162	61	47	7	47	77.0	29.0	44.3	26.6	65.8
1990 to 1999	1.7	181	66	83	12	19	106.1	38.9	91.0	37.3	78.6
2000 to 2009	1.6	161	61	70	11	19	98.3	37.2	73.7	31.3	61.7
2010 to 2015	0.4	25	10	Q	Q	N	66.2	25.5	Q	Q	N
Total square footage⁶											
Fewer than 1,000	5.5	241	89	112	6	35	44.1	16.3	28.7	12.0	32.2
1,000 to 1,499	3.7	271	83	152	6	30	73.3	22.3	56.2	24.6	49.2
1,500 to 1,999	1.9	192	57	88	6	41	103.9	30.7	75.2	22.3	75.2
2,000 to 2,499	2.4	251	75	115	14	47	104.9	31.2	89.9	38.8	78.8
2,500 to 2,999	2.5	302	81	144	9	68	118.8	31.9	93.9	28.0	91.8
3,000 or greater	5.1	726	204	310	39	173	143.7	40.4	109.5	37.9	95.0
Number of household members											
1 member	5.5	328	96	156	17	59	59.5	17.4	42.2	20.3	51.1
2 members	7.4	676	201	290	34	151	92.0	27.4	68.1	29.4	72.9
3 members	3.7	401	114	192	11	84	108.5	30.9	78.5	32.4	83.2
4 members	2.5	321	98	147	Q	64	129.0	39.2	90.6	58.4	85.3
5 members	1.2	153	45	89	Q	Q	125.3	36.9	100.0	Q	Q
6 or more members	0.7	105	35	48	Q	Q	141.2	46.5	94.2	Q	Q

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		Total North- east ²	Total	Electricity	Natural gas	Propane	Fuel oil/ kerosene	Total	Electricity	Natural gas	Propane
All homes	21.0	1,984	588	921	79	395	94.4	28.0	68.7	29.3	73.0
2015 annual household income											
Less than \$20,000	4.2	306	84	148	8	66	72.3	19.8	52.0	15.2	55.4
\$20,000 to \$39,999	4.3	378	104	195	15	64	87.7	24.1	63.5	31.2	74.0
\$40,000 to \$59,999	2.9	259	76	111	12	60	89.6	26.3	64.8	35.0	67.9
\$60,000 to \$79,999	2.8	259	89	85	15	70	91.1	31.5	65.9	30.5	81.8
\$80,000 to \$99,999	1.6	165	49	83	Q	30	102.4	30.5	80.2	Q	82.9
\$100,000 to \$119,999	1.6	181	58	92	8	22	115.1	37.1	99.7	28.8	88.8
\$120,000 to \$139,999	1.2	142	38	73	Q	26	117.2	31.5	85.7	Q	82.8
\$140,000 or more	2.3	294	90	134	Q	57	125.6	38.4	80.0	36.3	82.9
Payment method for energy bills											
All paid by household	16.3	1,741	513	810	72	346	106.8	31.5	82.7	31.8	82.0
Some paid by household, some included in rent or condo fee	2.7	141	35	58	Q	43	51.8	12.8	27.1	Q	43.4
All included in rent or condo fee	1.9	90	35	48	Q	Q	48.7	19.0	35.0	Q	Q
Some other method	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
Main heating fuel											
Natural gas	11.4	1,170	279	889	Q	Q	102.6	24.5	78.0	Q	Q
Electricity	2.8	120	105	8	6	Q	43.1	37.6	10.2	Q	Q
Fuel oil/kerosene	4.8	538	134	16	10	378	113.1	28.2	16.0	10.6	79.4
Propane	0.9	84	27	Q	55	Q	97.2	31.6	Q	63.2	Q

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All homes	21.0	1,984	588	921	79	395	94.4	28.0	68.7	29.3	73.0

¹Consumption 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.

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.

³Housing 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.

⁴These 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).

⁵Rented includes households that occupy their primary housing units without paying rent.

⁶Total 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.

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	Number of housing units (million)	Total site energy consumption ¹				Average site energy consumption ¹ (per household using the fuel)			
		Total North-east ²	Electricity (billion kWh)	Natural gas (billion cf)	Propane (million gallons)	Fuel oil/kerosene (million gallons)	Electricity (kWh)	Natural gas (ccf)	Propane (gallons)
All homes	21.0	172	895	869	2,874	8,211	667	321	532
Census division									
New England	5.6	42	158	365	1,519	7,515	634	271	627
Middle Atlantic	15.4	130	737	504	1,356	8,465	675	372	455
Census urban/rural classification³									
Urban	17.7	138	853	327	1,989	7,750	654	276	538
Urbanized area	15.6	121	778	256	1,628	7,757	654	325	551
Urban cluster	2.2	17	74	Q	361	7,701	649	178	485
Rural	3.3	35	42	542	885	10,718	1,125	357	519
Metropolitan or micropolitan statistical area									
In metropolitan statistical area	18.4	153	851	705	2,090	8,301	668	384	530
In micropolitan statistical area	Q	Q	Q	Q	Q	8,580	711	196	509
Not in metropolitan or micropolitan statistical area	Q	Q	Q	Q	Q	6,079	Q	178	565
Climate region⁴									
Very cold/Cold	13.9	121	600	748	2,092	8,718	760	309	547
Mixed-humid	7.1	51	295	Q	782	7,215	534	424	495
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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All homes	21.0	172	895	869	2,874	8,211	667	321	532
Housing unit type									
Single-family detached	10.8	115	557	748	2,368	10,599	966	364	644
Single-family attached	1.9	13	113	Q	Q	7,202	759	Q	Q
Apartments in buildings with 2–4 units	3.2	20	123	Q	158	6,334	517	Q	320
Apartments in buildings with 5 or more units	4.7	19	92	Q	209	4,120	256	Q	233
Mobile homes	0.5	5	Q	Q	79	10,604	Q	Q	319
Ownership of housing unit									
Owned	12.9	128	641	798	2,260	9,930	872	348	592
Single-family	11.1	116	576	773	2,145	10,458	946	370	636
Apartments	1.4	8	56	Q	Q	5,585	509	Q	Q
Mobile homes	0.4	4	Q	Q	Q	9,938	Q	Q	Q
Rented ⁵	8.1	44	254	Q	615	5,476	419	173	387
Single-family	1.5	11	95	Q	283	7,487	806	Q	725
Apartments	6.5	32	159	Q	327	4,892	327	Q	279
Mobile homes	Q	Q	Q	Q	Q	Q	Q	Q	Q

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All homes	21.0	172	895	869	2,874	8,211	667	321	532	
Year of construction										
Before 1950	7.3	50	356	163	929	6,813	651	279	516	
1950 to 1959	3.0	22	151	Q	593	7,436	722	Q	616	
1960 to 1969	2.4	20	110	Q	402	8,154	701	269	511	
1970 to 1979	2.5	23	75	Q	331	9,197	637	256	560	
1980 to 1989	2.1	18	46	74	340	8,502	431	292	480	
1990 to 1999	1.7	19	81	136	137	11,406	889	409	573	
2000 to 2009	1.6	18	68	118	141	10,897	720	343	449	
2010 to 2015	0.4	3	Q	Q	N	7,463	Q	Q	N	
Total square footage⁶										
Fewer than 1,000	5.5	26	109	64	253	4,775	279	131	235	
1,000 to 1,499	3.7	24	147	67	220	6,542	542	269	358	
1,500 to 1,999	1.9	17	85	69	301	8,987	724	244	548	
2,000 to 2,499	2.4	22	112	148	345	9,155	872	425	574	
2,500 to 2,999	2.5	24	140	94	496	9,356	914	307	669	
3,000 or greater	5.1	60	303	427	1,259	11,843	1,069	415	692	

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All homes	21.0	172	895	869	2,874	8,211	667	321	532
Number of household members									
1 member	5.5	28	151	187	432	5,104	409	222	372
2 members	7.4	59	282	372	1,102	8,027	662	322	531
3 members	3.7	33	186	123	610	9,046	762	355	607
4 members	2.5	29	143	Q	466	11,495	882	639	621
5 members	1.2	13	87	Q	Q	10,805	972	Q	Q
6 or more members	0.7	10	46	Q	Q	13,642	909	Q	Q
2015 annual household income									
Less than \$20,000	4.2	25	143	84	482	5,796	501	167	404
\$20,000 to \$39,999	4.3	30	189	164	464	7,057	616	342	539
\$40,000 to \$59,999	2.9	22	108	130	439	7,704	630	383	495
\$60,000 to \$79,999	2.8	26	83	161	507	9,227	642	334	596
\$80,000 to \$99,999	1.6	14	81	Q	219	8,935	779	Q	603
\$100,000 to \$119,999	1.6	17	90	89	160	10,882	972	315	646
\$120,000 to \$139,999	1.2	11	70	Q	190	9,242	833	Q	602
\$140,000 or more	2.3	26	130	Q	413	11,257	782	397	604
Payment method for energy bills									
All paid by household	16.3	150	787	794	2,521	9,228	804	348	597
Some paid by household, some included in rent or condo fee	2.7	10	57	Q	309	3,742	263	Q	316
All included in rent or condo fee	1.9	10	47	Q	Q	5,570	339	Q	Q
Some other method	Q	Q	Q	Q	Q	Q	Q	Q	Q

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All homes	21.0	172	895	869	2,874	8,211	667	321	532
Main heating fuel									
Natural gas	11.4	82	863	Q	Q	7,174	757	Q	Q
Electricity	2.8	31	7	63	Q	11,007	98	Q	Q
Fuel oil/kerosene	4.8	39	15	113	2,753	8,268	156	116	579
Propane	0.9	8	Q	601	Q	9,267	Q	692	Q

¹Consumption 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.

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