

Table CE3.2 Annual household site end-use 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 end use)					
		Total North-east ²	Total	Space heating ³	Water heating	Air conditioning	Refrigerators	Other ⁴	Total	Space heating ³	Water heating	Air conditioning	Refrigerators
All homes	21.0	1,984	1,104	353	61	49	417	94.4	53.4	16.9	3.4	2.3	19.9
Census division													
New England	5.6	547	324	93	9	12	109	97.3	59.0	16.5	2.3	2.2	19.4
Middle Atlantic	15.4	1,436	780	260	51	36	308	93.4	51.4	17.0	3.8	2.4	20.1
Census urban/rural classification⁵													
Urban	17.7	1,652	919	299	55	40	339	93.1	52.0	16.9	3.6	2.3	19.1
Urbanized area	15.6	1,465	811	267	52	35	300	93.9	52.1	17.2	3.8	2.3	19.2
Urban cluster	2.2	187	108	32	3	5	39	86.8	51.5	14.9	1.8	2.3	18.0
Rural	3.3	332	185	54	5	9	79	102.0	61.6	16.8	2.4	2.7	24.2
Metropolitan or micropolitan statistical area													
In metropolitan statistical area	18.4	1,750	960	315	58	43	374	95.0	52.7	17.2	3.6	2.4	20.3
In micropolitan statistical area	Q	Q	Q	Q	Q	Q	Q	93.3	58.4	15.6	1.6	2.3	19.0
Not in metropolitan or micropolitan statistical area	Q	Q	Q	Q	Q	Q	Q	86.2	59.0	14.1	1.1	1.9	13.3
Climate region⁶													
Very cold/Cold	13.9	1,383	788	231	32	34	298	99.3	57.9	16.6	2.8	2.4	21.4
Mixed-humid	7.1	601	316	123	29	15	119	84.9	44.7	17.4	4.4	2.2	16.8
Mixed-dry/Hot-dry	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
Marine	N	N	N	N	N	N	N	N	N	N	N	N	N

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All homes	21.0	1,984	1,104	353	61	49	417	94.4	53.4	16.9	3.4	2.3	19.9
Housing unit type													
Single-family detached	10.8	1,356	804	201	41	31	280	125.5	76.6	18.7	4.3	2.9	25.9
Single-family attached	1.9	174	103	28	6	4	33	93.2	55.0	15.2	3.9	2.2	17.7
Apartments in buildings with 2–4 units	3.2	222	104	56	6	6	51	70.2	33.0	17.6	2.2	1.8	16.2
Apartments in buildings with 5 or more units	4.7	192	71	62	7	7	45	41.0	15.2	13.3	1.9	1.5	9.7
Mobile homes	0.5	40	22	7	1	1	8	81.2	45.7	14.6	1.7	2.4	17.0
Ownership of housing unit													
Owned	12.9	1,478	862	226	47	36	307	114.6	68.7	17.6	4.1	2.8	23.8
Single-family	11.1	1,354	803	200	43	32	276	121.5	74.1	18.0	4.4	2.9	24.8
Apartments	1.4	90	39	21	3	3	24	66.5	29.7	15.4	2.7	2.3	17.8
Mobile homes	0.4	34	20	5	1	1	7	85.4	50.6	13.3	1.7	2.5	17.5
Rented ⁷	8.1	505	242	127	14	13	110	62.3	29.8	15.8	2.1	1.6	13.6
Single-family	1.5	176	104	29	4	3	37	115.2	67.7	19.1	3.3	2.0	24.0
Apartments	6.5	324	136	96	10	9	72	49.9	20.9	14.9	1.9	1.5	11.2
Mobile homes	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q

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All homes	21.0	1,984	1,104	353	61	49	417	94.4	53.4	16.9	3.4	2.3	19.9
Year of construction													
Before 1950	7.3	679	395	127	20	14	123	93.0	55.1	17.5	3.5	1.9	16.9
1950 to 1959	3.0	321	196	50	11	7	57	108.8	66.5	16.9	4.1	2.5	19.2
1960 to 1969	2.4	246	142	39	9	6	50	100.9	58.6	16.1	4.2	2.4	20.7
1970 to 1979	2.5	209	114	37	6	6	45	83.9	46.6	14.9	3.1	2.3	18.2
1980 to 1989	2.1	162	75	33	5	5	43	77.0	37.0	15.8	2.6	2.3	20.7
1990 to 1999	1.7	181	95	31	5	5	44	106.1	56.8	18.6	3.2	3.3	26.0
2000 to 2009	1.6	161	74	30	4	5	48	98.3	46.9	18.3	2.5	3.1	29.4
2010 to 2015	0.4	25	12	6	(*)	1	6	66.2	32.7	14.7	1.3	2.0	15.8
Total square footage⁸													
Fewer than 1,000	5.5	241	100	70	7	8	56	44.1	18.4	12.9	1.7	1.5	10.2
1,000 to 1,499	3.7	271	131	65	7	7	62	73.3	35.5	17.4	2.3	2.0	16.6
1,500 to 1,999	1.9	192	112	30	7	5	39	103.9	62.1	16.1	3.9	2.8	21.0
2,000 to 2,499	2.4	251	143	43	8	6	51	104.9	61.8	18.0	3.8	2.5	21.4
2,500 to 2,999	2.5	302	182	47	9	7	58	118.8	73.3	18.4	4.3	2.7	22.7
3,000 or greater	5.1	726	436	99	22	16	153	143.7	88.4	19.8	5.1	3.1	30.2
Number of household members													
1 member	5.5	328	197	47	9	10	65	59.5	36.5	8.6	2.1	1.9	11.8
2 members	7.4	676	402	104	20	17	132	92.0	55.7	14.3	3.1	2.4	17.9
3 members	3.7	401	221	74	12	9	84	108.5	60.9	20.1	3.7	2.4	22.9
4 members	2.5	321	158	70	11	7	75	129.0	64.2	28.4	4.9	2.7	30.2
5 members	1.2	153	78	32	6	3	34	125.3	63.7	26.1	5.3	2.6	28.0
6 or more members	0.7	105	48	25	3	2	27	141.2	65.8	33.8	4.9	2.7	36.2

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All homes	21.0	1,984	1,104	353	61	49	417	94.4	53.4	16.9	3.4	2.3	19.9
2015 annual household income													
Less than \$20,000	4.2	306	167	62	7	7	62	72.3	39.7	14.8	2.2	1.8	14.7
\$20,000 to \$39,999	4.3	378	208	73	10	9	78	87.7	49.2	16.9	3.0	2.1	18.0
\$40,000 to \$59,999	2.9	259	140	49	7	7	56	89.6	49.6	16.9	3.0	2.4	19.3
\$60,000 to \$79,999	2.8	259	149	44	7	7	52	91.1	53.4	15.7	3.0	2.3	18.4
\$80,000 to \$99,999	1.6	165	93	28	5	5	35	102.4	59.0	17.3	3.6	2.9	21.5
\$100,000 to \$119,999	1.6	181	107	28	6	4	36	115.1	68.4	18.0	3.8	2.8	22.9
\$120,000 to \$139,999	1.2	142	85	22	5	3	27	117.2	71.0	18.2	4.8	2.4	21.9
\$140,000 or more	2.3	294	155	47	12	7	72	125.6	68.2	20.5	5.5	3.1	30.9
Payment method for energy bills													
All paid by household	16.3	1,741	1,000	282	52	42	366	106.8	62.7	17.3	3.7	2.6	22.5
Some paid by household, some included in rent or condo fee	2.7	141	62	43	4	4	27	51.8	22.9	15.9	2.0	1.6	9.8
All included in rent or condo fee	1.9	90	37	25	3	3	22	48.7	20.1	13.9	2.4	1.5	11.7
Some other method	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
Main heating fuel													
Natural gas	11.4	1,170	660	209	39	27	235	102.6	57.9	18.3	3.9	2.4	20.6
Electricity	2.8	120	42	30	5	5	38	43.1	15.2	10.6	2.2	1.9	13.7
Fuel oil/kerosene	4.8	538	340	80	13	11	94	113.1	71.5	16.8	3.4	2.3	19.8
Propane	0.9	84	46	14	1	2	21	97.2	53.5	15.9	2.1	2.6	23.7

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All homes	21.0	1,984	1,104	353	61	49	417	94.4	53.4	16.9	3.4	2.3	19.9

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.

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, while 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.

(*) = Rounds to zero

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.