

Table CE4.12 Annual household end-use expenditures by fuel in the Northeast—totals, 2015

	Number of housing units (million)	Total energy expenditures ¹ (billion dollars)																			
		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	47.66	28.24	3.10	3.17	3.09	2.49	16.39	10.28	7.10	2.43	0.75	2.09	1.36	0.42	0.31	7.05	6.00	0.98	Q	
Census division																					
New England	5.6	14.31	7.73	0.65	0.96	0.53	0.69	4.89	2.10	1.38	0.56	0.15	0.91	0.59	0.20	0.13	3.57	3.11	0.42	Q	
Middle Atlantic	15.4	33.36	20.51	2.45	2.21	2.56	1.80	11.50	8.18	5.71	1.87	0.60	1.17	0.76	0.23	0.18	3.49	2.89	0.57	Q	
Census urban/rural classification⁵																					
Urban	17.7	39.11	23.45	2.56	2.36	2.88	2.12	13.52	9.88	6.80	2.35	0.73	0.81	0.48	0.15	0.18	4.98	4.22	0.73	Q	
Urbanized area	15.6	34.66	21.03	2.32	1.95	2.76	1.89	12.11	8.93	6.09	2.15	0.69	0.63	0.40	Q	0.14	4.07	3.42	0.63	Q	
Urban cluster	2.2	4.44	2.42	0.24	0.41	0.12	0.23	1.42	0.95	0.71	0.20	Q	Q	Q	Q	Q	0.91	0.80	Q	N	
Rural	3.3	8.55	4.80	0.54	0.81	0.21	0.37	2.86	0.40	Q	0.08	0.02	1.28	0.88	0.28	0.13	2.07	1.78	0.26	Q	
Metropolitan or micropolitan statistical area																					
In metropolitan statistical area	18.4	41.70	25.06	2.77	2.51	2.98	2.21	14.59	9.80	6.75	2.31	0.74	1.69	1.15	0.33	0.22	5.15	4.33	0.77	Q	
In micropolitan statistical area	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	
Not in metropolitan or micropolitan statistical area	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	N	Q	Q	Q	Q	Q	Q	Q	Q	
Climate region⁶																					
Very cold/Cold	13.9	31.76	18.49	2.05	2.36	1.49	1.57	11.02	6.54	4.63	1.45	0.45	1.78	1.18	0.39	0.21	4.95	4.42	0.47	Q	
Mixed-humid	7.1	15.90	9.75	1.05	0.81	1.61	0.92	5.36	3.74	2.46	0.98	0.30	Q	Q	Q	Q	2.10	1.59	0.51	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	31.19	17.47	1.80	1.76	1.94	1.43	10.55	6.14	4.56	1.23	0.35	1.81	1.19	0.33	0.29	5.77	5.11	0.61	Q	
Single-family attached	1.9	3.76	2.17	0.27	0.18	0.29	0.20	1.22	1.38	1.01	0.28	0.09	Q	Q	Q	Q	Q	Q	Q	N	
Apartments in buildings with 2-4 units	3.2	5.51	3.55	0.50	0.47	0.31	0.31	1.95	1.44	0.84	0.47	0.13	Q	Q	Q	Q	0.40	0.31	Q	N	
Apartments in buildings with 5 or more units	4.7	6.22	4.41	0.45	0.53	0.53	0.51	2.39	1.19	0.57	0.44	0.18	Q	Q	Q	Q	0.55	0.27	0.28	N	
Mobile homes	0.5	0.99	0.64	Q	0.22	0.03	0.04	0.27	Q	Q	Q	Q	Q	Q	Q	Q	0.19	0.17	Q	Q	

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			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	47.66	28.24	3.10	3.17	3.09	2.49	16.39	10.28	7.10	2.43	0.75	2.09	1.36	0.42	0.31	7.05	6.00	0.98	Q	
Ownership of housing unit																					
Owned	12.9	34.74	20.05	2.09	2.02	2.28	1.72	11.93	7.21	5.35	1.45	0.41	1.92	1.26	0.37	0.30	5.56	4.91	0.62	Q	
Single-family	11.1	31.46	17.91	1.92	1.69	2.05	1.49	10.77	6.43	4.87	1.25	0.31	1.85	1.22	0.34	0.29	5.27	4.68	0.58	Q	
Apartments	1.4	2.44	1.63	0.12	0.18	0.21	0.20	0.93	0.67	0.37	0.20	0.10	Q	Q	Q	N	Q	Q	Q	N	
Mobile homes	0.4	0.84	0.51	Q	0.16	0.02	0.04	0.23	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	
Rented ⁷	8.1	12.93	8.19	1.01	1.14	0.82	0.77	4.46	3.07	1.75	0.98	0.34	Q	Q	Q	Q	1.50	1.09	0.37	Q	
Single-family	1.5	3.48	1.74	0.15	0.26	0.18	0.15	1.00	1.10	0.70	0.27	0.13	Q	Q	Q	Q	Q	0.64	0.57	Q	Q
Apartments	6.5	9.29	6.33	0.83	0.83	0.63	0.62	3.42	1.96	1.03	0.71	0.21	Q	Q	Q	Q	Q	0.85	0.51	0.34	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	15.63	8.86	0.83	0.80	1.14	0.80	5.29	4.02	2.77	1.00	0.25	0.39	0.24	Q	0.05	2.37	2.02	0.34	Q	
1950 to 1959	3.0	7.20	3.71	0.20	0.32	0.57	0.37	2.25	1.76	1.29	0.35	0.13	Q	Q	Q	Q	1.45	1.27	0.18	Q	
1960 to 1969	2.4	5.87	3.38	0.30	0.27	0.44	0.30	2.06	1.31	0.91	0.31	0.09	Q	Q	Q	Q	0.95	0.80	0.11	Q	
1970 to 1979	2.5	5.37	3.51	0.68	0.56	0.30	0.27	1.70	0.84	0.56	0.21	Q	Q	Q	Q	Q	0.79	0.71	Q	Q	
1980 to 1989	2.1	4.56	3.00	0.37	0.40	0.25	0.25	1.72	0.53	0.30	0.18	0.05	0.18	Q	Q	Q	0.84	0.68	0.15	Q	
1990 to 1999	1.7	4.24	2.75	0.41	0.31	0.22	0.24	1.56	0.91	0.65	0.21	0.04	0.29	0.18	Q	Q	0.30	0.26	Q	N	
2000 to 2009	1.6	4.12	2.66	0.28	0.42	0.16	0.23	1.58	0.82	0.53	0.17	0.12	0.30	0.22	Q	0.05	0.35	0.26	Q	Q	
2010 to 2015	0.4	0.67	0.39	Q	0.08	0.02	0.03	0.22	Q	Q	Q	Q	Q	Q	Q	Q	N	N	N	N	
Total square footage⁸																					
Fewer than 1,000	5.5	7.34	5.16	0.62	0.76	0.48	0.55	2.74	1.36	0.73	0.50	0.14	0.16	Q	Q	Q	0.66	0.42	0.23	Q	
1,000 to 1,499	3.7	6.74	4.30	0.58	0.58	0.39	0.39	2.36	1.72	1.07	0.48	0.16	0.17	Q	Q	Q	0.55	0.39	0.16	Q	
1,500 to 1,999	1.9	4.55	2.52	0.21	0.29	0.33	0.23	1.47	1.08	0.76	0.23	0.09	0.17	Q	Q	Q	0.77	0.71	Q	Q	
2,000 to 2,499	2.4	6.05	3.49	0.46	0.42	0.42	0.29	1.89	1.34	0.95	0.28	0.11	0.35	Q	Q	0.03	0.88	0.77	0.11	Q	
2,500 to 2,999	2.5	6.74	3.70	0.33	0.33	0.44	0.32	2.28	1.55	1.17	0.32	0.07	0.23	Q	Q	0.04	1.26	1.09	0.16	Q	
3,000 or greater	5.1	16.25	9.08	0.90	0.78	1.03	0.71	5.65	3.23	2.41	0.62	0.19	1.01	0.66	0.18	0.17	2.93	2.64	0.27	Q	
Number of household members																					
1 member	5.5	8.36	4.98	0.63	0.41	0.48	0.59	2.87	1.89	1.42	0.37	0.09	0.43	0.28	0.10	0.05	1.05	0.96	0.09	Q	
2 members	7.4	16.46	9.62	1.13	1.16	1.06	0.88	5.40	3.26	2.41	0.62	0.23	0.91	0.63	0.14	0.13	2.68	2.31	0.36	Q	
3 members	3.7	9.38	5.41	0.46	0.68	0.57	0.45	3.24	2.19	1.51	0.51	0.17	0.31	Q	Q	0.04	1.47	1.21	0.22	Q	
4 members	2.5	7.53	4.49	0.52	0.36	0.52	0.32	2.76	1.54	0.90	0.52	0.13	Q	Q	Q	Q	1.19	0.96	0.23	Q	
5 members	1.2	3.42	2.17	0.18	0.28	0.31	0.16	1.24	0.88	0.56	0.25	0.07	Q	Q	Q	Q	Q	Q	Q	Q	
6 or more members	0.7	2.50	1.57	Q	0.27	0.16	0.10	0.87	0.52	0.30	0.16	Q	Q	N	N	Q	Q	Q	Q	N	

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All homes	21.0	47.66	28.24	3.10	3.17	3.09	2.49	16.39	10.28	7.10	2.43	0.75	2.09	1.36	0.42	0.31	7.05	6.00	0.98	Q
2015 annual household income																				
Less than \$20,000	4.2	7.22	4.16	0.51	0.55	0.38	0.39	2.33	1.73	1.07	0.48	0.18	0.19	Q	Q	Q	1.14	0.96	0.15	Q
\$20,000 to \$39,999	4.3	8.66	4.91	0.55	0.48	0.52	0.46	2.90	2.25	1.49	0.59	0.17	0.37	Q	Q	0.04	1.13	0.98	0.13	Q
\$40,000 to \$59,999	2.9	6.26	3.57	0.25	0.46	0.38	0.34	2.14	1.30	0.90	0.31	0.09	0.31	0.19	0.09	Q	1.08	0.90	Q	Q
\$60,000 to \$79,999	2.8	6.78	4.26	0.62	0.72	0.37	0.34	2.22	0.94	0.67	0.20	0.08	0.37	0.26	Q	0.04	1.21	1.08	0.13	N
\$80,000 to \$99,999	1.6	3.79	2.31	0.16	0.25	0.27	0.22	1.41	0.84	0.60	0.19	0.05	Q	Q	Q	Q	0.55	0.47	0.07	Q
\$100,000 to \$119,999	1.6	4.28	2.60	0.52	0.23	0.26	0.20	1.39	1.05	0.80	0.20	0.04	0.24	Q	Q	0.03	0.40	0.33	Q	N
\$120,000 to \$139,999	1.2	3.32	1.97	0.20	0.21	0.28	0.16	1.12	0.72	0.54	0.13	0.05	Q	Q	Q	Q	0.49	0.42	Q	N
\$140,000 or more	2.3	7.34	4.46	0.29	0.27	0.63	0.38	2.88	1.45	1.02	0.32	0.10	Q	Q	Q	Q	1.06	0.86	0.20	Q
Payment method for energy bills																				
All paid by household	16.3	40.62	23.65	2.65	2.67	2.55	2.00	13.79	8.92	6.38	1.92	0.62	1.91	1.24	0.37	0.30	6.13	5.43	0.64	Q
Some paid by household, some included in rent or condo fee	2.7	4.04	2.37	0.13	0.17	0.32	0.32	1.43	0.73	0.36	0.28	0.09	Q	Q	Q	Q	0.81	0.49	0.32	N
All included in rent or condo fee	1.9	2.77	2.07	0.31	0.29	0.22	0.16	1.09	0.56	0.32	0.20	0.04	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	N	N
Main heating fuel																				
Natural gas	11.4	23.66	13.85	0.77	0.67	2.00	1.42	8.99	9.78	7.06	2.16	0.56	Q	N	N	Q	Q	Q	Q	N
Electricity	2.8	4.97	4.68	1.72	1.05	0.23	0.26	1.42	0.13	Q	Q	0.05	0.14	Q	Q	Q	Q	Q	Q	Q
Fuel oil/kerosene	4.8	14.13	6.77	0.38	0.98	0.71	0.55	4.16	0.27	Q	0.14	0.12	0.31	0.10	Q	0.14	6.78	5.86	0.88	Q
Propane	0.9	2.64	1.19	0.14	0.10	0.06	0.10	0.79	Q	N	Q	Q	1.42	1.12	0.25	0.05	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.