

Table CE4.12 Annual household end-use expenditures by fuel in the Northeast—totals, 2020

	Number of housing units (million)		Total energy expenditures ^a (billion dollars)																			
	Total North-east ^b	Total	Electricity						Natural gas					Propane				Fuel oil or kerosene				
			Total	Space heating ^c	Water heating	Air conditioning	Refrigerators	Other ^d	Total	Space heating ^c	Water heating	Other ^d	Total	Space heating ^c	Water heating	Other ^d	Total	Space heating ^c	Water heating	Other ^d		
All homes	21.92	49.60	29.43	2.93	2.80	4.77	2.88	16.05	12.40	8.00	3.36	1.04	2.02	1.25	0.38	0.38	5.75	4.48	0.86	0.42		
Census division																						
New England	5.88	14.92	8.69	0.81	0.83	1.16	0.86	5.04	2.65	1.81	0.71	0.13	0.77	0.43	0.16	0.18	2.82	2.26	0.39	0.17		
Middle Atlantic	16.04	34.68	20.74	2.13	1.97	3.61	2.02	11.02	9.76	6.19	2.66	0.91	1.25	0.82	0.22	0.21	2.93	2.22	0.47	0.25		
Census urban/rural classification^e																						
Urban	18.56	40.72	24.29	2.27	2.09	4.28	2.45	13.21	11.84	7.59	3.27	0.98	0.88	0.48	0.18	0.21	3.71	2.81	0.61	0.28		
Urbanized area	17.30	38.12	22.76	2.01	1.93	4.09	2.31	12.42	11.29	7.17	3.15	0.96	0.76	0.42	0.14	0.20	3.31	2.46	0.57	0.28		
Urban cluster	1.25	2.60	1.53	0.26	0.16	0.19	0.13	0.79	0.56	0.42	0.12	0.02	0.12	0.06	0.04	0.01	0.40	0.35	0.04	Q		
Rural	3.36	8.88	5.14	0.66	0.71	0.50	0.43	2.84	0.56	0.41	0.09	Q	1.14	0.77	0.20	0.17	2.04	1.66	0.24	0.13		
Climate region^f																						
Very cold and Cold	13.69	30.83	18.55	2.12	1.85	2.48	1.73	10.37	6.43	4.59	1.49	0.35	1.62	1.04	0.30	0.27	4.24	3.42	0.54	0.27		
Mixed-humid	8.23	18.77	10.88	0.81	0.94	2.30	1.14	5.68	5.98	3.42	1.88	0.69	0.40	0.21	0.08	0.11	1.51	1.05	0.32	0.14		
Mixed-dry and 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	11.23	31.13	17.93	1.51	1.47	2.78	1.66	10.51	6.70	4.90	1.37	0.43	1.67	1.04	0.30	0.33	4.83	3.94	0.62	0.27		
Single-family attached	1.95	4.03	2.53	0.32	0.22	0.44	0.25	1.29	1.31	0.90	0.35	0.05	0.05	0.02	0.02	*	0.14	0.12	0.01	Q		
Apartments in buildings with 2–4 units	3.15	5.71	3.39	0.39	0.29	0.62	0.36	1.73	2.00	1.17	0.64	0.20	0.05	Q	0.03	Q	0.27	0.14	0.07	Q		
Apartments in buildings with 5 or more units	5.10	7.71	4.95	0.65	0.63	0.87	0.56	2.25	2.33	0.97	1.00	0.36	0.07	0.02	0.02	0.03	0.37	0.15	0.15	0.08		
Mobile homes	0.50	1.02	0.63	0.06	0.19	0.06	0.05	0.27	0.07	0.06	Q	Q	0.18	0.15	Q	0.02	0.14	0.14	Q	Q		
Ownership of housing unit																						
Owned	13.77	36.22	20.90	1.75	1.72	3.35	2.02	12.06	8.60	6.03	1.94	0.63	1.77	1.14	0.31	0.32	4.95	3.95	0.67	0.32		
Single-family	11.89	32.28	18.65	1.55	1.47	2.94	1.76	10.93	7.36	5.37	1.55	0.45	1.63	1.03	0.30	0.31	4.63	3.76	0.61	0.26		
Apartments	1.50	3.16	1.78	0.15	0.12	0.37	0.23	0.91	1.18	0.62	0.39	0.18	Q	Q	Q	Q	0.20	0.08	0.07	Q		
Mobile homes	0.38	0.79	0.47	0.05	0.13	0.04	0.04	0.22	0.06	0.05	Q	Q	0.14	0.11	Q	0.01	0.11	0.11	Q	Q		
Rented ^g	8.15	13.38	8.53	1.18	1.08	1.42	0.85	4.00	3.80	1.97	1.43	0.41	0.14	0.24	0.11	0.07	0.06	0.80	0.53	0.18	0.10	
Single-family	1.29	2.88	1.81	0.28	0.22	0.29	0.15	0.88	0.64	0.43	0.18	0.03	0.09	0.04	0.02	0.02	0.34	0.30	0.03	Q		
Apartments	6.74	10.26	6.56	0.89	0.80	1.11	0.69	3.06	3.15	1.53	1.25	0.37	0.11	0.03	0.05	0.03	0.44	0.20	0.16	0.08		
Mobile homes	0.12	0.24	0.15	Q	0.06	0.02	0.01	0.06	Q	Q	Q	Q	0.05	Q	N	Q	0.03	0.03	N	N		
Year of construction																						
Before 1950	7.15	16.20	8.81	0.84	0.71	1.53	0.93	4.80	5.00	3.24	1.32	0.44	0.42	0.25	0.09	0.07	1.97	1.57	0.26	0.13		
1950 to 1959	3.02	7.32	4.17	0.31	0.39	0.79	0.40	2.27	1.91	1.31	0.50	0.09	0.10	0.06	Q	0.03	1.13	0.93	0.14	0.06		
1960 to 1969	2.56	5.93	3.54	0.36	0.26	0.62	0.35	1.96	1.58	1.03	0.43	0.12	0.14	0.08	0.02	0.03	0.67	0.50	0.11	0.07		
1970 to 1979	2.62	5.59	3.65	0.56	0.39	0.54	0.32	1.83	1.08	0.72	0.29	0.07	0.20	0.14	0.03	0.03	0.65	0.53	0.11	0.02		
1980 to 1989	2.20	4.79	3.01	0.38	0.35	0.44	0.28	1.57	0.93	0.57	0.26	0.10	0.30	0.21	0.05	0.04	0.55	0.40	0.08	0.07		
1990 to 1999	1.80	4.07	2.53	0.18	0.27	0.37	0.25	1.46	0.80	0.48	0.24	0.07	0.37	0.22	0.08	0.08	0.38	0.28	0.07	0.04		
2000 to 2009	1.58	3.76	2.40	0.18	0.26	0.32	0.23	1.42	0.70	0.43	0.19	0.07	0.29	0.17	0.06	0.05	0.38	0.26	0.08	0.03		

Table CE4.12 Annual household end-use expenditures by fuel in the Northeast—totals, 2020

	Number of housing units (million)	Total energy expenditures ^a (billion dollars)	Total energy expenditures ^a (billion dollars)																	
			Electricity						Natural gas				Propane				Fuel oil or kerosene			
			Total North-east ^b	Total	Space heating ^c	Water heating	Air conditioning	Refrigerators	Other ^d	Total	Space heating ^c	Water heating	Other ^d	Total	Space heating ^c	Water heating	Other ^d	Total	Space heating ^c	Water heating
All homes	21.92	49.60	29.43	2.93	2.80	4.77	2.88	16.05	12.40	8.00	3.36	1.04	2.02	1.25	0.38	0.38	5.75	4.48	0.86	0.42
2010 to 2015	0.56	1.07	0.74	0.06	0.10	0.09	0.07	0.42	0.22	0.12	0.07	0.03	0.09	0.06	0.02	0.01	Q	Q	Q	Q
2016 to 2020	0.43	0.88	0.57	0.06	0.07	0.06	0.06	0.32	0.19	0.10	0.05	0.03	0.12	0.07	0.02	0.03	Q	Q	N	N
Total square footage^h																				
Less than 1,000	6.04	9.33	5.78	0.67	0.70	0.96	0.65	2.80	2.80	1.31	1.15	0.34	0.17	0.10	0.04	0.03	0.58	0.31	0.16	0.11
1,000 to 1,499	4.39	8.65	5.30	0.66	0.62	0.86	0.51	2.66	2.50	1.54	0.71	0.25	0.26	0.18	0.05	0.04	0.59	0.43	0.11	0.05
1,500 to 1,999	3.56	8.29	4.81	0.50	0.41	0.76	0.48	2.68	1.98	1.39	0.48	0.11	0.33	0.21	0.07	0.06	1.17	0.90	0.16	0.10
2,000 to 2,499	2.71	6.80	4.02	0.36	0.33	0.66	0.38	2.28	1.55	1.14	0.34	0.07	0.25	0.16	0.04	0.05	0.98	0.77	0.14	0.07
2,500 to 2,999	1.90	5.23	3.11	0.27	0.29	0.49	0.28	1.78	1.27	0.96	0.25	0.06	0.22	0.14	0.05	0.04	0.63	0.54	0.07	0.02
3,000 or more	3.33	11.31	6.41	0.49	0.45	1.05	0.58	3.85	2.31	1.66	0.43	0.21	0.78	0.47	0.14	0.18	1.81	1.52	0.21	0.07
Number of household members																				
1 member	6.02	9.63	5.33	0.69	0.45	0.85	0.65	2.69	2.78	1.75	0.78	0.25	0.40	0.30	0.05	0.05	1.13	0.89	0.14	0.10
2 members	7.96	17.76	10.45	1.10	0.97	1.66	1.04	5.68	4.24	2.85	1.03	0.36	0.84	0.52	0.14	0.17	2.23	1.82	0.31	0.10
3 members	3.53	9.14	5.40	0.53	0.49	0.89	0.48	3.00	2.35	1.44	0.69	0.21	0.33	0.18	0.08	0.06	1.06	0.79	0.17	0.10
4 members	2.76	7.85	4.98	0.35	0.56	0.84	0.44	2.79	1.82	1.19	0.49	0.14	0.26	0.14	0.05	0.07	0.78	0.58	0.16	0.05
5 members	0.91	2.83	1.77	0.11	0.19	0.28	0.15	1.04	0.63	0.39	0.20	0.04	0.12	0.06	0.03	0.03	0.31	0.24	0.04	Q
6 or more members	0.75	2.40	1.50	0.14	0.14	0.25	0.13	0.84	0.59	0.38	0.17	0.03	0.08	0.04	0.03	0.01	0.23	0.15	0.04	Q
2020 annual household income																				
Less than \$5,000	0.66	1.29	0.87	0.16	0.08	0.14	0.08	0.42	0.31	0.16	0.14	0.02	0.03	Q	Q	Q	0.07	0.06	Q	Q
\$5,000 to \$9,999	0.69	1.11	0.68	0.07	0.12	0.10	0.07	0.32	0.30	0.18	0.09	0.02	0.03	Q	Q	Q	0.10	0.07	Q	Q
\$10,000 to \$19,999	1.77	2.98	1.76	0.26	0.21	0.28	0.18	0.83	0.79	0.52	0.24	0.04	0.13	0.10	Q	Q	0.28	0.23	0.04	Q
\$20,000 to \$39,999	3.36	6.19	3.61	0.40	0.39	0.54	0.36	1.92	1.57	0.99	0.47	0.11	0.24	0.17	0.03	0.03	0.77	0.62	0.10	0.05
\$40,000 to \$59,999	3.04	6.10	3.56	0.40	0.37	0.54	0.38	1.88	1.61	1.08	0.43	0.10	0.25	0.19	0.04	0.03	0.69	0.55	0.10	0.04
\$60,000 to \$99,999	5.03	11.46	6.71	0.68	0.68	1.07	0.65	3.64	2.81	1.79	0.77	0.25	0.46	0.29	0.09	0.08	1.48	1.17	0.19	0.11
\$100,000 to \$149,999	3.29	8.20	4.89	0.46	0.41	0.81	0.48	2.73	2.02	1.31	0.55	0.17	0.36	0.22	0.09	0.05	0.92	0.62	0.18	0.12
\$150,000 or more	4.09	12.27	7.33	0.52	0.54	1.29	0.68	4.31	2.99	1.98	0.68	0.32	0.51	0.26	0.09	0.16	1.44	1.16	0.22	0.06
Payment method for energy bills																				
All paid by household	18.00	43.03	25.62	2.56	2.40	4.02	2.42	14.22	10.26	7.01	2.53	0.72	1.90	1.19	0.35	0.36	5.25	4.23	0.68	0.34
Some paid by household, some included in rent or condo fee	2.54	4.38	2.41	0.20	0.22	0.50	0.31	1.19	1.46	0.63	0.56	0.27	0.07	Q	0.02	Q	0.43	0.20	0.16	0.08
All included in rent or condo fee	1.32	2.08	1.33	0.17	0.17	0.24	0.14	0.61	0.66	0.35	0.26	0.04	0.04	Q	Q	Q	0.06	0.04	0.02	Q
Some other method	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	N	Q	Q	Q	Q	N	N
Main heating fuel																				
Natural gas	12.24	26.77	14.81	0.44	0.60	2.96	1.71	9.11	11.81	7.97	3.06	0.78	0.04	Q	Q	0.02	0.11	Q	0.06	Q
Electricity	3.99	6.70	6.20	2.16	1.09	0.68	0.38	1.89	0.29	0.02	0.16	0.11	0.16	0.04	0.06	0.06	0.06	Q	0.02	Q
Fuel oil or kerosene	4.07	12.20	6.19	0.22	0.71	0.91	0.59	3.77	0.25	Q	0.12	0.11	0.29	0.04	0.07	0.17	5.48	4.42	0.74	0.32
Propane	0.99	2.84	1.38	0.05	0.24	0.14	0.13	0.82	Q	N	Q	Q	1.45	1.15	0.22	0.08	N	N	N	N
Wood	0.47	0.88	0.68	0.05	0.13	0.07	0.06	0.37	0.01	Q	Q	Q	0.09	0.02	0.03	0.04	0.10	0.05	0.03	0.02
Some other fuel ^l	Q	Q	Q	Q	Q	Q	Q	Q	Q	N	N	Q	Q	N	N	Q	Q	Q	N	Q
Does not use heating equipment	0.12	0.15	0.10	N	Q	Q	0.01	0.06	Q	N	Q	Q	Q	N	N	Q	Q	N	Q	N

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	Number of housing units (million)	Total energy expenditures ^a (billion dollars)																		
		Electricity							Natural gas				Propane			Fuel oil or kerosene				
		Total North-east ^b	Total	Space heating ^c	Water heating	Air conditioning	Refrigerators	Other ^d	Total	Space heating ^c	Water heating	Other ^d	Total	Space heating ^c	Water heating	Other ^d	Total	Space heating ^c	Water heating	Other ^d
All homes	21.92	49.60	29.43	2.93	2.80	4.77	2.88	16.05	12.40	8.00	3.36	1.04	2.02	1.25	0.38	0.38	5.75	4.48	0.86	0.42

Data source: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Forms EIA-457A, D, E, F, G of the 2020 Residential Energy Consumption Survey

Notes: Because of rounding, data may not sum to totals. See RECS Terminology for definition of terms used in these tables.

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

^b Total 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.

^c Includes main (primary) and secondary space heating.

^d Includes end uses not shown in this table. A more detailed breakout of end uses is shown in the CES tables.

^e Housing 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.

^f The Building America program, sponsored by the U.S. Department of Energy's Office of Energy Efficiency and Renewable Energy (EERE), created these climate regions. We combined climate regions for this publication. The Subarctic region is included with data for Very-cold and Cold.

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

^h Total 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 of the home is based on respondent reports. Previous RECS cycles calculated square footage based on interviewer measurements. For households that did not report an exact square footage estimate, the square footage of the home was imputed based on a reported square footage range and/or characteristics of the home. See 2020 RECS Square Footage Methodology for full details about data collection and processing.

ⁱ Some other fuel includes coal and district steam.

Q = Data withheld because either the relative standard error (RSE) was greater than 50% or fewer than 10 households in reporting sample.

N = No households in reporting sample.

* = Estimate is less than 0.005 and rounds to zero.

Relative standard errors (RSEs) for Table CE4.12 Annual household end-use expenditures by fuel in the Northeast—totals, 2020

	RSEs for number of housing units	RSEs for total energy expenditures ^a																		
		Electricity							Natural gas				Propane				Fuel oil or kerosene			
		Total North-east ^b	Total	Space heating ^c	Water heating	Air conditioning	Refrigerators	Other ^d	Total	Space heating ^c	Water heating	Other ^d	Total	Space heating ^c	Water heating	Other ^d	Total	Space heating ^c	Water heating	Other ^d
All homes	0.00	0.88	1.09	4.37	2.95	1.92	0.98	1.32	1.86	1.84	3.09	6.18	7.64	9.66	8.73	10.61	4.20	4.22	5.94	14.51
Census division																				
New England	0.00	1.25	1.60	6.13	5.37	2.75	1.67	1.81	3.58	4.01	4.28	9.93	8.84	11.52	10.48	15.20	3.88	4.11	5.91	14.71
Middle Atlantic	0.00	1.26	1.49	6.08	3.74	2.38	1.27	1.90	2.38	2.30	3.88	6.99	10.05	12.40	11.79	15.53	6.94	7.04	9.96	22.07
Census urban/rural classification^e																				
Urban	0.56	1.12	1.29	4.87	4.31	2.15	1.27	1.51	2.11	2.08	3.23	6.45	11.86	15.62	14.37	17.43	4.61	4.61	7.09	18.88
Urbanized area	0.59	1.35	1.47	4.73	4.55	2.22	1.37	1.69	2.27	2.21	3.42	6.65	13.06	16.70	17.18	18.41	5.12	5.13	7.47	19.13
Urban cluster	6.76	7.69	8.30	20.58	13.75	10.27	7.96	8.66	10.92	11.52	12.59	20.39	29.87	39.49	32.36	34.57	16.67	17.04	17.20	56.75
Rural	3.09	2.89	3.35	12.10	6.11	5.82	3.33	3.35	12.47	11.21	13.37	58.40	9.35	11.79	10.02	11.75	6.34	7.03	6.93	14.35
Climate region^f																				
Very cold and Cold	1.29	1.42	1.82	5.78	4.14	2.61	1.66	1.91	2.74	2.92	3.17	11.45	7.39	9.65	8.77	11.03	3.73	3.95	5.59	12.20
Mixed-humid	2.15	2.83	2.74	6.04	7.21	3.21	2.97	3.32	4.48	4.27	5.97	8.87	21.74	29.86	24.84	25.53	10.09	11.23	11.53	32.74
Mixed-dry and Hot-dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hot-humid	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Marine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Housing unit type																				
Single-family detached	0.00	0.98	1.35	6.57	5.03	2.21	1.20	1.45	1.87	1.99	2.86	9.63	8.94	11.25	9.56	11.00	4.23	4.27	6.05	14.09
Single-family attached	0.00	2.58	3.49	15.04	13.28	6.21	4.09	4.17	4.11	4.29	6.30	10.01	32.61	36.18	38.06	35.78	20.85	22.34	30.68	59.85
Apartments in buildings with 2–4 units	0.00	3.30	4.01	15.41	11.64	6.69	4.08	4.87	4.73	5.95	7.00	22.50	23.79	38.34	31.14	71.10	23.23	21.55	25.82	61.58
Apartments in buildings with 5 or more units	0.00	2.81	2.57	6.16	7.53	4.48	2.17	2.74	7.53	7.93	8.56	12.29	31.49	37.00	49.92	42.54	18.59	19.37	21.65	31.30
Mobile homes	0.00	3.93	6.84	35.28	9.55	8.76	6.23	7.44	26.79	27.46	42.44	65.16	18.27	22.05	42.83	29.09	19.74	20.47	74.11	59.28
Ownership of housing unit																				
Owned	1.01	1.49	1.78	5.94	4.54	2.66	1.54	1.80	2.29	2.15	3.12	9.49	7.99	10.17	9.15	10.98	4.61	4.64	6.60	16.15
Single-family	0.74	1.30	1.65	6.02	5.21	2.35	1.26	1.66	1.79	1.91	2.68	9.25	8.54	10.94	9.28	11.15	4.54	4.65	6.28	14.18
Apartments	8.09	10.89	10.28	17.36	19.46	11.86	10.18	11.03	13.11	12.80	12.97	26.96	68.30	80.82	14.79	84.89	33.31	27.03	33.04	66.66
Mobile homes	6.90	8.35	10.58	44.51	13.32	13.03	10.24	10.74	28.55	28.51	47.22	69.66	24.75	29.56	42.83	33.53	23.84	24.87	74.11	59.28
Rented ^g	1.70	2.75	2.87	7.45	5.54	3.86	2.66	3.12	5.04	5.33	5.94	11.96	16.81	22.16	21.45	27.26	11.56	13.50	14.22	27.53
Single-family	6.82	8.03	9.25	24.45	14.77	10.41	8.26	8.82	9.14	10.32	10.96	26.91	36.65	42.70	39.56	48.87	15.78	16.92	24.94	51.61
Apartments	1.80	2.98	2.87	8.05	6.52	4.52	2.80	3.32	6.05	6.72	6.90	12.31	19.54	27.66	26.15	36.80	15.61	18.58	15.99	30.71
Mobile homes	21.86	21.66	23.24	58.38	25.55	29.16	20.89	22.07	60.48	75.88	21.91	70.39	36.99	40.66	0.00	55.04	40.61	40.61	0.00	0.00
Year of construction																				
Before 1950	0.00	1.83	2.22	10.38	8.39	3.26	2.18	2.49	3.82	3.34	5.91	13.11	18.86	24.77	23.46	22.25	7.33	7.85	10.91	30.53
1950 to 1959	0.00	2.92	3.83	12.77	13.96	5.90	2.71	3.67	5.50	5.66	8.05	15.70	25.92	36.32	41.46	41.04	10.05	10.35	15.49	29.05
1960 to 1969	0.00	3.16	3.54	16.69	10.36	5.47	3.59	4.20	8.02	8.01	11.36	12.04	26.03	33.26	26.22	31.13	11.86	12.33	13.19	34.58
1970 to 1979	0.00	2.70	2.94	10.05	8.54	4.22	2.72	3.53	6.06	6.60	8.43	14.55	25.59	36.40	25.38	32.54	10.38	10.76	14.72	36.09
1980 to 1989	0.00	3.05	3.11	10.14	8.79	4.44	3.31	3.59	9.33	7.48	11.27	26.97	16.58	19.72	25.35	29.03	11.23	12.39	13.62	25.44
1990 to 1999	0.00	3.28	3.12	15.69	10.74	6.21	3.36	3.78	9.33	9.60	11.88	21.26	16.96	20.78	22.72	27.04	10.69	11.17	14.78	27.33

Relative standard errors (RSEs) for Table CE4.12 Annual household end-use expenditures by fuel in the Northeast—totals, 2020

	RSEs for number of housing units																			
	RSEs for total energy expenditures ^a																			
	Total North-east ^b	Electricity							Natural gas				Propane			Fuel oil or kerosene				
Total		Total	Space heating ^c	Water heating	Air conditioning	Refrigerators	Other ^d	Total	Space heating ^c	Water heating	Other ^d	Total	Space heating ^c	Water heating	Other ^d	Total	Space heating ^c	Water heating	Other ^d	
All homes	0.00	0.88	1.09	4.37	2.95	1.92	0.98	1.32	1.86	1.84	3.09	6.18	7.64	9.66	8.73	10.61	4.20	4.22	5.94	14.51
2000 to 2009	0.00	4.39	5.30	17.42	12.74	6.63	3.80	5.98	7.82	8.32	8.49	21.17	14.52	18.01	23.68	25.58	15.97	19.33	15.41	29.65
2010 to 2015	7.00	7.82	8.05	18.69	17.50	11.88	8.13	8.44	11.59	13.68	15.59	22.21	27.59	30.46	30.58	37.20	50.88	40.15	67.08	83.13
2016 to 2020	9.20	12.27	11.27	30.86	19.36	13.88	13.06	12.98	19.31	21.38	20.13	41.28	24.38	29.05	29.47	33.42	33.50	33.50	0.00	0.00
Total square footage^b																				
Less than 1,000	2.12	3.17	2.77	6.60	6.45	3.97	2.77	3.32	6.29	6.45	7.31	11.83	23.12	32.00	30.60	35.99	14.36	11.26	17.57	37.03
1,000 to 1,499	3.75	4.06	4.23	12.24	7.56	5.11	4.75	4.11	6.48	6.00	8.53	19.13	15.85	19.58	28.64	23.12	11.77	12.01	17.64	35.27
1,500 to 1,999	3.87	3.67	4.29	10.82	10.37	5.04	4.64	4.75	6.01	6.40	7.45	11.21	17.17	21.28	20.33	27.10	10.28	10.21	14.67	23.90
2,000 to 2,499	4.21	4.35	4.83	10.98	12.08	6.01	4.69	4.74	6.12	6.51	6.52	9.51	19.78	22.81	29.16	27.61	9.58	10.23	10.89	27.61
2,500 to 2,999	5.59	5.84	6.23	16.25	14.45	7.83	6.47	5.84	8.31	8.68	9.48	14.44	16.27	21.64	22.18	28.21	11.70	12.28	19.18	35.06
3,000 or more	3.86	3.92	4.32	16.21	10.50	5.50	3.96	4.57	6.35	6.50	7.57	18.56	11.95	15.85	13.94	13.53	9.01	9.24	9.98	22.51
Number of household members																				
1 member	2.99	4.03	3.69	7.69	6.97	4.92	3.63	4.20	6.14	5.97	8.02	15.10	16.32	17.89	16.92	25.44	10.16	10.17	13.95	30.47
2 members	2.54	2.86	3.07	8.70	6.16	4.16	3.01	2.93	4.66	4.54	6.14	13.20	10.48	12.88	13.80	16.58	8.17	8.43	9.18	26.66
3 members	3.66	4.20	4.25	10.85	8.51	5.51	4.82	4.41	7.30	6.26	10.55	22.15	16.39	20.63	21.89	20.80	8.77	9.14	11.28	32.50
4 members	5.11	5.47	5.83	12.08	10.49	6.81	6.06	6.08	6.74	7.29	7.51	13.09	15.25	20.47	24.94	22.06	11.38	11.99	15.28	28.56
5 members	8.00	8.11	8.95	22.24	16.72	11.03	8.79	9.78	12.07	12.47	15.04	19.52	30.37	37.99	34.38	37.34	16.45	17.41	24.77	35.61
6 or more members	10.62	10.89	11.68	41.12	21.63	13.63	12.55	12.29	13.52	14.52	14.84	24.22	32.97	35.03	41.40	48.93	26.28	23.71	39.12	70.63
2020 annual household income																				
Less than \$5,000	12.39	13.97	15.36	37.29	28.67	17.04	15.65	15.19	16.35	20.94	19.03	31.43	42.36	67.72	50.60	68.10	34.19	34.89	61.88	73.05
\$5,000 to \$9,999	10.11	12.34	13.55	22.84	22.43	17.58	13.03	13.94	20.40	20.50	28.78	33.54	35.92	44.13	54.66	79.40	31.36	31.50	51.71	70.36
\$10,000 to \$19,999	7.27	8.01	8.93	16.99	14.08	13.91	8.95	8.92	12.75	13.89	14.30	22.01	31.55	37.84	48.32	50.39	15.72	17.12	26.88	57.78
\$20,000 to \$39,999	5.04	5.46	6.00	14.12	10.67	7.76	6.10	5.57	7.64	7.90	9.19	18.25	16.60	18.76	25.94	26.94	11.17	10.76	17.07	47.69
\$40,000 to \$59,999	4.76	4.86	5.25	16.42	11.02	6.88	5.30	4.88	7.66	7.71	8.82	19.40	20.86	24.44	22.70	35.58	12.82	13.66	16.57	39.07
\$60,000 to \$99,999	3.55	3.79	3.76	8.51	7.90	5.45	4.39	3.67	6.64	6.08	9.05	21.22	14.58	19.49	17.18	17.36	8.09	8.32	8.79	25.62
\$100,000 to \$149,999	3.99	4.88	5.21	10.92	9.09	6.29	5.01	5.43	7.51	6.87	10.15	17.59	14.90	17.39	22.14	25.13	10.96	10.02	15.86	31.92
\$150,000 or more	3.22	3.72	3.91	7.80	9.41	4.58	3.64	4.34	5.39	5.31	7.78	12.36	13.27	18.48	17.65	16.65	7.84	8.30	11.06	23.77
Payment method for energy bills																				
All paid by household	0.77	1.01	1.23	4.71	3.32	2.05	1.30	1.48	1.64	1.61	2.72	8.39	7.94	10.03	9.32	10.34	4.17	4.19	6.17	15.23
Some paid by household, some included in rent or condo fee	5.15	6.59	6.03	15.40	15.80	7.55	5.87	6.90	12.05	12.40	13.82	15.33	41.84	58.36	32.51	56.65	17.30	19.71	18.67	32.13
All included in rent or condo fee	7.09	9.15	9.48	14.34	17.12	12.33	8.36	9.24	15.59	14.80	19.96	26.78	45.52	52.71	73.63	53.06	28.49	27.21	45.52	16.95
Some other method	37.55	37.13	37.22	66.11	59.98	47.81	41.73	38.85	52.71	56.66	49.58	58.89	70.89	0.00	15.34	91.55	61.85	61.85	0.00	0.00
Main heating fuel																				
Natural gas	1.51	1.80	1.96	8.90	8.24	2.95	1.99	2.17	2.12	1.86	3.53	7.64	32.38	49.51	84.81	40.05	31.25	81.16	28.81	44.93
Electricity	4.25	5.41	5.36	6.26	5.65	7.07	5.44	6.16	13.20	38.10	18.99	16.17	19.47	33.48	28.96	25.78	34.24	52.28	37.96	44.60
Fuel oil or kerosene	3.90	3.67	3.62	11.41	8.22	6.01	4.07	3.84	15.21	45.98	20.91	25.03	11.68	25.60	22.77	15.50	4.30	4.20	6.24	16.65
Propane	8.29	8.82	8.10	26.16	11.66	10.71	9.27	8.31	47.82	0.00	71.53	66.59	10.06	10.67	10.42	20.36	0.00	0.00	0.00	0.00
Wood	10.55	11.84	11.70	24.69	14.39	18.27	12.46	12.18	43.72	71.85	52.90	71.30	18.92	39.24	28.51	23.12	25.39	33.76	30.51	33.49
Some other fuel ^f	39.10	40.17	39.30	14.58	41.20	66.73	40.62	42.53	16.20	0.00	0.00	16.20	64.80	0.00	0.00	64.80	84.02	62.70	0.00	14.82
Does not use heating equipment	27.39	31.50	32.41	0.00	57.28	43.91	27.16	31.62	50.88	0.00	50.88	80.07	14.64	0.00	0.00	14.64	77.65	0.00	77.65	0.00

Relative standard errors (RSEs) for Table CE4.12 Annual household end-use expenditures by fuel in the Northeast—totals, 2020

	RSEs for total energy expenditures ^a																			
	RSEs for number of housing units																			
	Total North-east ^b	Electricity							Natural gas				Propane			Fuel oil or kerosene				
Total		Total	Space heating ^c	Water heating	Air conditioning	Refrigerators	Other ^d	Total	Space heating ^c	Water heating	Other ^d	Total	Space heating ^c	Water heating	Other ^d	Total	Space heating ^c	Water heating	Other ^d	
All homes	0.00	0.88	1.09	4.37	2.95	1.92	0.98	1.32	1.86	1.84	3.09	6.18	7.64	9.66	8.73	10.61	4.20	4.22	5.94	14.51

Data source: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Forms EIA-457A, D, E, F, G of the 2020 Residential Energy Consumption Survey

Notes: See RECS Terminology for definition of terms used in these tables.

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

^b Total 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.

^c Includes main (primary) and secondary space heating.

^d Includes end uses not shown in this table. A more detailed breakout of end uses is shown in the CE5 tables.

^e Housing 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.

^f The Building America program, sponsored by the U.S. Department of Energy's Office of Energy Efficiency and Renewable Energy (EERE), created these climate regions. We combined climate regions for this publication. The Subarctic region is included with data for Very-cold and Cold.

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

^h Total 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 of the home is based on respondent reports. Previous RECS cycles calculated square footage based on interviewer measurements. For households that did not report an exact square footage estimate, the square footage of the home was imputed based on a reported square footage range and/or characteristics of the home. See 2020 RECS Square Footage Methodology for full details about data collection and processing.

ⁱ Some other fuel includes coal and district steam.