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Table CE4.17 Annual household end-use expenditures by fuel in the Northeast—averages, 2020

	Number of housing units (million)	Average energy expenditures ^a (dollars per household using the fuel and end use)																			
		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	2,263	1,343	320	385	245	132	732	855	646	294	93	781	914	456	217	1,288	1,050	353	691	
Census division																					
New England	5.88	2,539	1,478	349	428	234	147	857	883	717	291	64	830	909	457	274	1,370	1,125	335	638	
Middle Atlantic	16.04	2,162	1,293	311	369	248	127	687	847	627	295	99	754	916	455	184	1,217	984	369	732	
Census urban/rural classification^e																					
Urban	18.56	2,194	1,309	288	375	255	133	712	858	645	299	92	736	790	493	300	1,241	992	361	773	
Urbanized area	17.30	2,203	1,315	277	379	259	135	718	861	644	303	94	772	820	492	330	1,247	979	371	797	
Urban cluster	1.25	2,076	1,218	419	337	185	106	627	814	673	218	47	565	635	495	128	1,196	1,095	259	Q	
Rural	3.36	2,640	1,529	523	417	182	128	845	781	655	191	Q	819	1,014	426	163	1,381	1,166	334	563	
Climate region^f																					
Very cold and Cold	13.69	2,252	1,355	373	376	209	128	757	818	644	231	65	774	927	430	193	1,326	1,108	325	618	
Mixed-humid	8.23	2,281	1,322	234	403	300	140	691	897	647	376	119	811	853	586	312	1,190	897	411	892	
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	N
Hot-humid	N	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	N
Housing unit type																					
Single-family detached	11.23	2,773	1,598	385	449	275	148	936	1,020	792	248	81	838	969	458	232	1,465	1,235	342	641	
Single-family attached	1.95	2,060	1,293	388	398	254	129	661	825	606	264	43	773	779	456	133	920	811	310	Q	
Apartments in buildings with 2–4 units	3.15	1,814	1,078	272	330	230	116	549	802	554	314	105	420	Q	441	Q	928	483	428	Q	
Apartments in buildings with 5 or more units	5.10	1,514	972	235	293	192	111	441	625	389	400	131	350	238	449	241	659	306	377	698	
Mobile homes	0.50	2,054	1,262	298	463	140	94	548	489	531	Q	Q	824	1,067	Q	101	860	827	Q	Q	
Ownership of housing unit																					
Owned	13.77	2,631	1,518	359	437	268	147	876	980	748	266	88	833	978	455	210	1,407	1,170	355	703	
Single-family	11.89	2,715	1,569	369	445	272	149	919	1,006	775	248	75	837	968	456	223	1,468	1,232	345	644	
Apartments	1.50	2,104	1,184	287	356	267	151	609	876	588	376	157	Q	Q	Q	Q	844	398	499	Q	
Mobile homes	0.38	2,080	1,252	316	441	138	96	570	524	539	Q	Q	873	1,186	Q	82	931	887	Q	Q	
Rented ^g	8.15	1,641	1,046	277	323	203	106	490	663	455	345	102	539	542	457	256	846	595	344	654	
Single-family	1.29	2,233	1,403	519	419	270	116	680	770	581	280	64	813	852	484	368	1,145	1,045	270	Q	
Apartments	6.74	1,522	974	242	297	192	104	454	646	428	357	108	394	277	446	240	714	363	360	704	
Mobile homes	0.12	1,971	1,294	Q	526	148	89	480	Q	Q	Q	Q	705	Q	N	146	653	653	N	N	
Year of construction																					
Before 1950	7.15	2,266	1,233	285	373	251	131	672	912	704	306	100	695	1,053	472	173	1,253	1,035	345	863	
1950 to 1959	3.02	2,422	1,382	282	435	284	133	753	942	703	301	63	514	875	Q	212	1,334	1,147	345	650	
1960 to 1969	2.56	2,315	1,383	321	333	273	137	764	911	696	310	88	674	947	376	205	1,321	1,019	326	740	
1970 to 1979	2.62	2,134	1,395	448	358	226	123	701	748	571	264	70	671	975	374	179	1,207	1,030	325	412	
1980 to 1989	2.20	2,174	1,368	374	382	228	126	713	762	557	269	120	904	999	456	227	1,452	1,117	374	684	
1990 to 1999	1.80	2,262	1,403	283	410	228	139	809	778	526	292	91	988	933	503	295	1,079	812	371	587	

Table CE4.17 Annual household end-use expenditures by fuel in the Northeast—averages, 2020

	Number of housing units (million)	Average energy expenditures ^a (dollars per household using the fuel and end use)																		
		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	2,263	1,343	320	385	245	132	732	855	646	294	93	781	914	456	217	1,288	1,050	353	691
2000 to 2009	1.58	2,385	1,521	282	450	220	147	900	741	553	274	101	769	711	513	223	1,532	1,246	458	555
2010 to 2015	0.56	1,893	1,309	241	390	168	133	738	556	434	263	99	1,003	840	438	163	Q	Q	Q	Q
2016 to 2020	0.43	2,049	1,338	326	366	154	133	753	763	519	281	175	1,035	788	405	293	Q	Q	N	N
Total square footage^b																				
Less than 1,000	6.04	1,545	957	219	299	183	109	464	649	415	360	108	449	599	434	131	762	426	378	997
1,000 to 1,499	4.39	1,970	1,208	333	379	223	117	606	792	569	302	106	745	964	452	145	980	803	371	649
1,500 to 1,999	3.56	2,330	1,351	375	383	246	134	752	881	692	257	64	756	809	411	198	1,226	984	339	588
2,000 to 2,499	2.71	2,509	1,483	325	436	264	141	844	917	716	240	48	711	847	391	173	1,314	1,086	309	634
2,500 to 2,999	1.90	2,753	1,640	415	489	276	149	939	1,067	843	256	61	777	847	503	190	1,342	1,175	333	529
3,000 or more	3.33	3,400	1,927	464	510	343	173	1,157	1,203	930	266	133	1,007	1,148	501	317	1,920	1,668	379	673
Number of household members																				
1 member	6.02	1,599	885	267	212	167	109	447	699	533	248	89	672	903	278	142	1,035	842	239	606
2 members	7.96	2,232	1,314	345	356	235	131	714	840	655	260	91	804	950	446	241	1,318	1,112	325	606
3 members	3.53	2,592	1,532	337	472	277	137	852	971	687	358	110	819	944	568	209	1,397	1,138	414	756
4 members	2.76	2,846	1,808	311	624	321	159	1,014	973	712	336	90	817	979	597	258	1,349	1,068	480	711
5 members	0.91	3,102	1,941	302	706	325	165	1,144	975	703	389	87	842	862	511	231	1,494	1,208	501	Q
6 or more members	0.75	3,212	2,005	501	633	376	170	1,122	1,054	862	404	76	838	559	555	187	1,764	1,176	606	Q
2020 annual household income																				
Less than \$5,000	0.66	1,954	1,326	522	364	273	122	639	661	440	356	64	437	Q	Q	Q	1,015	856	Q	Q
\$5,000 to \$9,999	0.69	1,621	999	213	409	194	100	469	673	509	276	96	615	Q	Q	Q	1,083	743	Q	Q
\$10,000 to \$19,999	1.77	1,684	997	287	293	198	104	471	692	554	279	56	728	1,477	Q	104	877	768	283	Q
\$20,000 to \$39,999	3.36	1,842	1,075	280	335	189	110	572	733	563	265	79	601	838	400	132	1,055	886	285	620
\$40,000 to \$59,999	3.04	2,008	1,170	324	364	198	124	618	785	602	263	65	744	989	382	141	1,161	937	325	602
\$60,000 to \$99,999	5.03	2,278	1,335	334	397	243	129	723	909	635	307	100	722	813	429	173	1,355	1,127	314	637
\$100,000 to \$149,999	3.29	2,493	1,487	324	422	262	148	830	925	687	322	96	915	885	535	181	1,288	936	422	983
\$150,000 or more	4.09	3,001	1,793	337	459	325	166	1,054	1,002	799	302	121	997	1,061	512	409	1,686	1,421	429	570
Payment method for energy bills																				
All paid by household	18.00	2,390	1,423	346	395	250	135	790	909	684	273	82	813	949	453	218	1,403	1,169	346	687
Some paid by household, some included in rent or condo fee	2.54	1,726	950	187	326	219	122	468	647	434	402	152	483	Q	446	Q	744	391	403	712
All included in rent or condo fee	1.32	1,575	1,005	255	346	222	109	459	702	524	358	80	473	Q	Q	268	459	315	262	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	2,187	1,210	130	388	268	140	744	965	651	289	85	272	Q	Q	208	837	Q	470	Q
Electricity	3.99	1,679	1,554	542	325	188	96	475	233	166	345	113	426	253	500	359	572	Q	334	Q
Fuel oil or kerosene	4.07	3,000	1,523	178	466	253	145	928	291	Q	404	139	349	293	510	242	1,346	1,086	345	700
Propane	0.99	2,879	1,404	158	501	172	130	836	Q	N	Q	Q	1,466	1,163	430	159	N	N	N	N
Wood	0.47	1,877	1,446	240	471	192	127	794	264	Q	Q	Q	381	319	423	191	705	438	388	521
Some other fuel ^f	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	1,223	862	N	Q	Q	105	484	399	N	Q	Q	Q	N	N	Q	Q	N	Q	N

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		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	2,263	1,343	320	385	245	132	732	855	646	294	93	781	914	456	217	1,288	1,050	353	691

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 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.

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.

Relative standard errors (RSEs) for Table CE4.17 Annual household end-use expenditures by fuel in the Northeast—averages, 2020

	RSEs for number of housing units	RSEs for average 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	4.39	2.13	1.71	0.96	1.32	1.85	1.62	2.88	6.10	6.07	6.37	3.83	8.92	2.51	2.75	2.08	8.13
Census division																				
New England	0.00	1.25	1.60	5.98	3.93	2.68	1.63	1.81	2.28	2.23	2.94	9.53	6.16	6.68	4.54	12.70	2.16	2.89	2.16	8.99
Middle Atlantic	0.00	1.26	1.49	5.83	2.80	2.13	1.25	1.90	2.23	2.03	3.54	6.86	8.35	8.77	5.33	12.27	4.45	4.94	3.40	12.43
Census urban/rural classification^e																				
Urban	0.56	1.05	1.14	4.35	2.70	1.95	1.09	1.47	1.98	1.70	2.96	6.32	9.23	11.70	5.04	12.93	3.03	3.28	2.99	11.74
Urbanized area	0.59	1.16	1.21	4.43	2.95	1.98	1.12	1.51	2.08	1.75	3.07	6.39	9.77	12.89	6.17	13.03	3.35	3.71	3.11	11.89
Urban cluster	6.76	3.41	4.88	17.85	8.75	7.28	4.29	5.67	6.98	7.44	7.96	15.23	20.82	24.78	10.15	30.02	8.07	6.96	9.04	22.79
Rural	3.09	1.96	2.49	9.88	4.06	4.89	2.34	2.63	9.38	5.74	6.40	58.72	6.92	6.55	5.10	10.36	4.02	4.52	2.98	8.97
Climate region^f																				
Very cold and Cold	1.29	0.85	1.22	5.14	2.70	1.85	1.05	1.49	1.73	1.77	1.69	11.43	5.87	6.15	4.34	9.41	2.06	2.52	1.89	6.67
Mixed-humid	2.15	1.78	1.87	6.02	4.16	2.58	1.78	2.43	3.64	2.93	4.68	8.49	17.55	20.78	9.83	17.56	6.42	7.16	4.66	22.51
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	6.00	3.74	2.10	1.18	1.45	1.58	1.65	2.19	9.54	6.81	5.93	4.43	10.02	2.47	2.81	1.91	8.98
Single-family attached	0.00	2.58	3.49	12.60	9.82	6.03	4.01	4.17	3.18	3.38	4.01	9.90	22.48	18.19	19.67	25.36	9.14	8.53	24.16	21.27
Apartments in buildings with 2–4 units	0.00	3.30	4.01	13.00	6.28	5.76	4.12	4.87	3.74	4.09	5.07	22.26	15.11	36.25	10.75	65.31	17.39	11.10	14.61	45.89
Apartments in buildings with 5 or more units	0.00	2.81	2.57	5.99	4.25	4.12	2.07	2.74	7.66	7.19	8.06	11.72	25.55	26.52	29.25	30.75	8.90	4.68	6.14	11.83
Mobile homes	0.00	3.93	6.84	29.96	7.83	7.59	6.06	7.44	14.47	10.75	14.95	62.32	15.64	15.23	17.37	24.69	10.40	10.74	43.69	23.68
Ownership of housing unit																				
Owned	1.01	0.98	1.33	5.26	3.31	2.03	1.12	1.43	1.74	1.72	2.26	8.94	6.25	6.24	4.44	9.69	2.32	2.56	2.29	9.86
Single-family	0.74	0.95	1.34	5.30	3.88	1.92	1.05	1.38	1.60	1.59	2.02	9.29	6.49	5.92	4.50	10.13	2.35	2.76	1.83	8.95
Apartments	8.09	6.83	5.68	14.11	13.50	7.67	4.98	7.07	9.94	8.88	9.79	24.22	75.28	104.30	0.00	35.51	25.17	9.28	13.24	48.58
Mobile homes	6.90	4.72	8.15	36.83	10.66	9.16	7.78	8.83	14.97	11.71	19.72	67.40	19.96	17.21	17.37	30.37	10.17	10.93	43.69	23.68
Rented ^g	1.70	1.84	2.04	7.51	3.14	2.70	1.82	2.42	4.37	4.07	5.38	10.81	13.84	16.64	9.13	23.99	6.05	8.24	5.59	11.34
Single-family	6.82	4.09	6.02	21.83	9.12	5.85	5.91	6.21	4.93	6.50	6.92	25.15	25.78	19.85	14.30	48.53	10.46	10.53	15.37	31.45
Apartments	1.80	2.09	2.10	7.33	3.49	3.34	1.88	2.64	5.27	5.01	6.14	11.07	16.02	21.13	12.37	30.27	7.36	8.20	5.90	12.05
Mobile homes	21.86	10.08	13.24	53.72	13.41	18.50	7.43	11.66	53.31	2.43	0.00	77.62	26.35	30.69	0.00	45.09	29.10	29.10	0.00	0.00
Year of construction																				
Before 1950	0.00	1.83	2.22	10.20	5.66	2.94	2.11	2.49	3.48	2.87	4.98	12.79	16.04	15.50	13.04	19.17	5.35	5.97	5.36	20.07
1950 to 1959	0.00	2.92	3.83	11.66	10.89	5.60	2.60	3.67	4.95	4.37	7.48	15.07	26.25	31.00	29.97	39.11	4.19	4.99	4.89	12.81
1960 to 1969	0.00	3.16	3.54	16.07	7.03	5.37	3.59	4.20	6.71	5.46	9.67	10.04	18.21	22.10	10.78	25.50	6.38	6.92	4.71	26.39
1970 to 1979	0.00	2.70	2.94	9.35	6.10	4.04	2.74	3.53	4.64	4.75	4.52	13.53	21.32	24.24	13.01	33.75	6.19	7.20	5.23	22.58
1980 to 1989	0.00	3.05	3.11	9.69	5.75	4.16	3.24	3.59	8.35	6.62	9.99	27.05	11.60	11.73	7.30	28.02	6.33	7.17	6.11	13.31
1990 to 1999	0.00	3.28	3.12	13.52	7.06	5.72	3.36	3.78	7.00	6.08	9.66	18.79	12.51	16.66	6.37	24.76	8.69	9.57	4.56	8.93

Relative standard errors (RSEs) for Table CE4.17 Annual household end-use expenditures by fuel in the Northeast—averages, 2020

	RSEs for number of housing units																			
	RSEs for average 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	4.39	2.13	1.71	0.96	1.32	1.85	1.62	2.88	6.10	6.07	6.37	3.83	8.92	2.51	2.75	2.08	8.13
2000 to 2009	0.00	4.39	5.30	15.22	10.29	6.64	3.70	5.98	6.45	7.12	5.49	19.07	11.33	14.40	9.47	20.50	10.81	13.24	4.44	21.81
2010 to 2015	7.00	4.93	5.19	14.81	10.17	8.83	4.67	6.48	8.83	10.97	8.83	19.24	14.91	13.75	19.60	33.64	21.65	48.88	13.67	4.03
2016 to 2020	9.20	8.09	6.42	24.54	12.14	10.08	8.97	9.38	14.51	14.10	13.90	39.84	13.32	15.12	10.70	29.89	0.00	0.00	0.00	0.00
Total square footage^b																				
Less than 1,000	2.12	2.23	1.84	5.59	3.81	2.70	1.97	2.41	5.86	5.19	6.62	11.18	19.74	27.07	14.82	30.51	10.39	7.10	7.85	21.99
1,000 to 1,499	3.75	2.21	2.53	10.51	5.05	4.02	2.77	2.79	5.09	4.06	6.90	18.78	11.43	11.27	18.46	16.96	6.32	7.49	6.41	23.25
1,500 to 1,999	3.87	1.75	2.52	8.62	7.18	4.58	2.83	2.80	3.31	3.07	4.36	10.17	14.00	16.44	8.89	23.99	4.25	4.01	4.99	12.93
2,000 to 2,499	4.21	1.72	2.54	8.63	6.65	4.18	3.01	3.26	2.92	2.75	4.09	7.27	13.18	16.40	13.71	19.48	3.84	4.06	4.91	19.13
2,500 to 2,999	5.59	2.20	2.77	11.77	10.10	4.66	3.33	3.30	3.91	4.30	4.79	12.89	13.69	14.58	9.67	27.49	6.51	7.05	8.00	27.50
3,000 or more	3.86	1.88	2.37	13.87	6.26	3.71	2.37	2.84	3.70	3.49	4.69	18.39	8.88	7.88	6.42	13.06	4.26	4.46	2.54	13.31
Number of household members																				
1 member	2.99	2.05	1.79	6.23	4.39	3.39	1.62	2.46	4.25	3.90	6.70	13.32	13.17	11.34	9.43	21.77	5.37	6.80	5.46	11.39
2 members	2.54	1.66	1.71	7.38	3.41	2.86	1.76	1.73	3.44	2.71	4.70	12.87	8.05	8.96	5.54	15.34	3.89	4.55	2.61	13.45
3 members	3.66	2.05	1.97	9.52	4.93	3.45	2.88	2.52	5.83	4.49	8.10	22.06	11.51	12.23	9.44	16.85	5.16	6.36	3.83	19.74
4 members	5.11	2.55	3.06	8.91	5.70	4.34	3.66	3.74	3.32	3.90	3.74	11.95	11.88	12.33	7.19	20.84	6.17	7.37	3.32	16.27
5 members	8.00	3.99	5.62	19.30	11.04	7.74	5.04	7.04	5.88	4.93	7.33	16.47	24.43	28.53	12.48	31.25	8.60	9.29	6.93	17.94
6 or more members	10.62	5.13	6.70	40.51	16.55	8.42	6.41	6.19	8.84	9.51	5.67	20.52	26.19	34.81	13.45	48.38	15.60	15.25	18.71	59.06
2020 annual household income																				
Less than \$5,000	12.39	7.89	10.12	33.65	12.97	12.31	9.35	11.80	9.34	14.51	12.35	27.73	36.93	81.31	13.52	69.71	14.34	15.89	32.81	90.22
\$5,000 to \$9,999	10.11	5.98	7.78	19.43	14.95	11.21	6.84	8.11	14.94	15.52	24.66	26.36	34.70	40.13	37.44	80.32	14.00	22.23	17.22	27.44
\$10,000 to \$19,999	7.27	3.38	4.88	14.71	8.71	8.76	4.32	4.66	7.80	6.81	8.17	21.14	27.22	18.12	31.25	45.39	7.80	10.58	10.32	7.20
\$20,000 to \$39,999	5.04	2.57	2.81	12.10	6.40	4.85	3.47	3.11	5.14	5.11	6.94	14.84	13.10	14.24	12.17	22.06	5.06	5.85	6.38	15.42
\$40,000 to \$59,999	4.76	2.40	3.24	14.66	5.73	4.21	2.91	2.83	5.05	4.28	6.22	19.18	17.85	16.96	12.05	24.53	6.33	7.82	8.05	10.31
\$60,000 to \$99,999	3.55	1.66	1.83	8.18	4.34	3.21	2.18	2.16	4.14	2.99	6.86	19.80	10.19	10.67	8.43	15.42	4.59	5.56	3.40	15.19
\$100,000 to \$149,999	3.99	2.60	2.82	8.85	6.02	3.68	2.78	3.17	5.61	4.50	8.02	16.37	10.73	12.59	9.03	21.00	6.23	5.85	6.37	19.75
\$150,000 or more	3.22	2.24	2.54	7.45	6.34	3.14	1.97	3.08	3.76	3.18	4.47	12.00	9.98	9.26	7.02	14.78	4.72	5.07	2.88	18.14
Payment method for energy bills																				
All paid by household	0.77	0.88	1.13	4.80	2.50	1.75	1.11	1.34	1.48	1.62	2.32	8.06	6.23	5.89	4.21	9.13	2.31	2.56	2.38	9.82
Some paid by household, some included in rent or condo fee	5.15	4.16	4.37	11.68	8.55	5.70	3.32	5.28	10.24	7.70	10.19	14.28	37.24	54.90	13.10	64.43	8.84	11.89	5.37	13.99
All included in rent or condo fee	7.09	5.37	5.56	9.79	9.19	8.46	5.33	5.84	12.29	10.21	16.30	21.17	40.85	80.27	45.85	44.35	12.95	13.28	20.46	0.00
Some other method	37.55	14.68	10.94	74.72	17.96	15.80	23.90	18.10	34.04	38.13	18.54	31.57	100.46	0.00	0.00	64.56	134.74	134.74	0.00	0.00
Main heating fuel																				
Natural gas	1.51	1.36	1.53	7.43	5.76	2.50	1.47	1.80	1.83	1.59	3.07	7.59	25.79	36.69	23.46	33.21	22.45	132.98	10.36	22.14
Electricity	4.25	2.79	2.89	4.93	3.08	4.52	2.39	3.55	11.31	25.05	14.11	13.72	12.30	29.51	12.08	20.54	23.26	27.87	18.06	37.12
Fuel oil or kerosene	3.90	1.55	2.25	9.95	5.96	3.70	2.10	2.70	10.49	34.98	9.60	20.54	9.24	20.72	12.38	14.33	2.43	2.65	2.34	10.11
Propane	8.29	3.51	3.96	19.91	7.91	6.84	3.72	4.51	28.40	0.00	45.21	51.21	4.71	5.38	4.40	16.28	0.00	0.00	0.00	0.00
Wood	10.55	5.21	5.23	21.18	5.77	13.03	6.60	6.31	19.27	225.92	16.64	61.96	12.83	25.97	18.17	17.45	15.71	23.24	16.98	20.68
Some other fuel ^f	39.10	15.35	12.20	0.00	17.69	43.85	16.38	24.92	0.00	0.00	0.00	0.00	50.83	0.00	0.00	50.83	88.70	36.95	0.00	0.00
Does not use heating equipment	27.39	15.20	17.40	0.00	24.96	29.80	7.64	19.48	43.71	0.00	36.78	80.27	0.00	0.00	0.00	0.00	12.64	0.00	12.64	0.00

Relative standard errors (RSEs) for Table CE4.17 Annual household end-use expenditures by fuel in the Northeast—averages, 2020

	RSEs for average 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	4.39	2.13	1.71	0.96	1.32	1.85	1.62	2.88	6.10	6.07	6.37	3.83	8.92	2.51	2.75	2.08	8.13

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.