

Table CE5.6 Detailed household natural gas and propane end-use expenditures—totals, 2015

	Total energy expenditures (billion dollars)									
	Natural gas						Propane			
	Space heating ¹	Water heating	Clothes dryers ²	Cooking ³	Pool heaters	Hot tub heaters	Space heating ¹	Water heating	Clothes dryers ²	Cooking ³
All homes	26.70	11.10	0.39	1.32	0.14	0.07	4.94	1.68	0.07	0.49
Census region and division										
Northeast	7.10	2.43	0.10	0.39	Q	Q	1.36	0.42	0.03	0.18
New England	1.38	0.56	0.02	0.07	N	N	0.59	0.20	0.01	0.09
Middle Atlantic	5.71	1.87	0.08	0.32	Q	Q	0.76	0.23	Q	0.08
Midwest	9.90	2.62	0.10	0.24	0.01	Q	1.37	0.31	0.01	0.05
East North Central	7.17	1.82	0.09	0.19	0.01	Q	0.84	0.21	Q	0.03
West North Central	2.73	0.80	0.01	0.05	Q	Q	0.52	0.10	Q	0.02
South	5.59	2.61	0.07	0.35	0.06	0.02	1.64	0.48	Q	0.17
South Atlantic	3.03	1.38	0.03	0.17	Q	0.01	0.88	0.24	Q	0.09
East South Central	0.87	0.35	0.01	0.05	Q	N	0.36	0.08	Q	0.02
West South Central	1.70	0.89	0.03	0.13	0.03	0.01	0.40	0.16	Q	0.05
West	4.11	3.44	0.12	0.34	0.06	0.03	0.57	0.47	Q	0.09
Mountain	2.08	1.12	0.03	0.08	Q	Q	0.26	0.21	Q	Q
Mountain North	1.46	0.65	0.01	0.04	Q	Q	Q	Q	Q	Q
Mountain South	0.62	0.47	0.02	0.04	Q	Q	Q	0.17	Q	Q
Pacific	2.03	2.32	0.09	0.26	0.04	0.02	0.32	0.26	Q	0.06
Census urban/rural classification⁴										
Urban	24.09	10.33	0.36	1.22	0.13	0.06	1.13	0.49	Q	0.16
Urbanized area	20.93	9.24	0.33	1.11	0.12	0.06	0.86	0.40	Q	0.13
Urban cluster	3.16	1.09	0.03	0.11	Q	Q	0.27	0.08	Q	0.03
Rural	2.61	0.77	0.03	0.10	Q	Q	3.81	1.20	0.05	0.33

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All homes	26.70	11.10	0.39	1.32	0.14	0.07	4.94	1.68	0.07	0.49
Metropolitan or micropolitan statistical area										
In metropolitan statistical area	23.39	10.07	0.37	1.20	0.13	0.07	3.24	1.31	0.05	0.31
In micropolitan statistical area	2.27	0.69	0.02	0.09	Q	Q	0.77	0.16	Q	0.08
Not in metropolitan or micropolitan statistical area	1.04	0.34	0.01	0.03	Q	Q	0.93	0.20	0.01	0.10
Climate region⁵										
Very cold/Cold	14.98	4.44	0.16	0.47	0.02	0.01	2.47	0.86	0.03	0.22
Mixed-humid	7.96	2.92	0.08	0.40	Q	Q	1.94	0.40	0.02	0.13
Mixed-dry/Hot-dry	1.33	1.90	0.09	0.21	0.05	0.03	0.11	0.18	Q	0.03
Hot-humid	1.55	1.10	0.04	0.16	0.05	0.02	0.22	0.15	Q	0.09
Marine	0.88	0.74	0.02	0.07	Q	Q	Q	Q	Q	0.02
Housing unit type										
Single-family detached	21.42	7.73	0.32	0.85	0.13	0.06	4.42	1.28	0.06	0.40
Single-family attached	2.04	0.75	0.03	0.11	Q	Q	Q	Q	Q	Q
Apartments in buildings with 2–4 units	1.52	1.02	0.01	0.11	N	Q	Q	Q	N	Q
Apartments in buildings with 5 or more units	1.17	1.41	0.02	0.21	N	Q	Q	Q	N	Q
Mobile homes	0.54	0.18	Q	0.03	N	Q	0.34	0.20	Q	0.05

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All homes	26.70	11.10	0.39	1.32	0.14	0.07	4.94	1.68	0.07	0.49
Ownership of housing unit										
Owned	21.15	7.37	0.32	0.87	0.13	0.06	4.45	1.39	0.06	0.41
Single-family	20.10	6.90	0.30	0.78	0.13	0.06	4.22	1.23	0.06	0.37
Apartments	0.58	0.35	0.01	0.05	N	Q	Q	Q	N	N
Mobile homes	0.47	0.12	Q	0.03	N	Q	0.22	0.14	Q	0.04
Rented ⁶	5.55	3.73	0.07	0.45	Q	Q	0.49	0.29	Q	0.07
Single-family	3.37	1.58	0.05	0.18	Q	Q	0.26	Q	Q	0.03
Apartments	2.11	2.08	0.02	0.27	N	Q	Q	0.15	N	Q
Mobile homes	Q	Q	Q	0.01	N	N	Q	Q	Q	Q
Year of construction										
Before 1950	7.26	2.38	0.08	0.36	Q	Q	0.97	0.25	0.02	0.08
1950 to 1959	3.86	1.37	0.05	0.17	Q	Q	0.36	0.13	Q	0.05
1960 to 1969	3.10	1.29	0.05	0.17	Q	Q	0.53	0.17	Q	0.04
1970 to 1979	3.36	1.53	0.04	0.15	0.02	0.01	0.64	0.16	Q	0.07
1980 to 1989	2.19	1.22	0.04	0.12	0.02	0.01	0.42	0.18	Q	0.06
1990 to 1999	3.42	1.54	0.07	0.16	0.04	0.02	0.82	0.33	0.01	0.08
2000 to 2009	2.94	1.53	0.06	0.17	0.04	0.02	0.97	0.35	Q	0.08
2010 to 2015	0.58	0.24	0.01	0.03	Q	Q	0.22	0.10	Q	0.02

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	Space heating ¹	Water heating	Clothes dryers ²	Cooking ³	Pool heaters	Hot tub heaters	Space heating ¹	Water heating	Clothes dryers ²	Cooking ³
All homes	26.70	11.10	0.39	1.32	0.14	0.07	4.94	1.68	0.07	0.49
Total square footage⁷										
Fewer than 1,000	2.15	1.94	0.03	0.24	N	Q	0.22	0.25	Q	0.08
1,000 to 1,499	3.71	2.10	0.06	0.27	N	Q	0.55	0.23	Q	0.07
1,500 to 1,999	3.89	1.63	0.06	0.22	Q	0.01	0.79	0.16	Q	0.06
2,000 to 2,499	4.13	1.49	0.06	0.15	Q	0.02	1.03	0.29	Q	0.08
2,500 to 2,999	3.89	1.23	0.05	0.12	0.03	0.01	0.47	0.16	0.01	0.06
3,000 or greater	8.93	2.72	0.14	0.32	0.08	0.03	1.87	0.59	0.04	0.15
Number of household members										
1 member	5.95	1.45	0.04	0.20	Q	Q	0.82	0.20	0.01	0.07
2 members	9.55	3.26	0.14	0.46	0.07	0.03	2.28	0.68	0.02	0.21
3 members	4.78	2.25	0.07	0.24	Q	Q	0.87	0.30	Q	0.09
4 members	3.59	2.29	0.08	0.22	0.03	0.02	0.58	0.30	Q	0.07
5 members	1.72	0.99	0.04	0.10	Q	Q	0.26	0.14	Q	0.02
6 or more members	1.12	0.85	0.02	0.09	Q	Q	0.14	Q	Q	0.03
2015 annual household income										
Less than \$20,000	3.33	1.75	0.04	0.25	N	Q	0.56	0.27	Q	0.09
\$20,000 to \$39,999	5.79	2.27	0.06	0.26	Q	Q	0.88	0.29	Q	0.10
\$40,000 to \$59,999	3.86	1.58	0.06	0.18	Q	0.01	0.66	0.27	Q	0.06
\$60,000 to \$79,999	3.34	1.31	0.06	0.15	Q	Q	0.82	0.23	Q	0.06
\$80,000 to \$99,999	2.59	1.04	0.04	0.10	Q	Q	0.48	0.11	Q	0.03
\$100,000 to \$119,999	2.33	0.96	0.04	0.12	Q	0.01	0.43	0.14	Q	0.04
\$120,000 to \$139,999	1.71	0.63	0.03	0.06	Q	0.01	0.35	0.09	Q	0.04
\$140,000 or more	3.75	1.57	0.07	0.20	0.07	0.02	0.75	0.28	Q	0.07

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Natural gas						Propane				
	Space heating¹	Water heating	Clothes dryers²	Cooking³	Pool heaters	Hot tub heaters	Space heating¹	Water heating	Clothes dryers²	Cooking³
All homes	26.70	11.10	0.39	1.32	0.14	0.07	4.94	1.68	0.07	0.49
Payment method for energy bills										
All paid by household	25.22	9.91	0.38	1.13	0.14	0.06	4.81	1.55	0.07	0.45
Some paid by household, some included in rent or condo fee	0.70	0.60	0.01	0.12	Q	Q	Q	Q	N	Q
All included in rent or condo fee	0.67	0.51	0.01	0.07	N	Q	Q	Q	N	Q
Some other method	0.11	0.08	Q	0.01	N	N	Q	Q	N	Q

¹Includes main (primary) and secondary space heating.

²Excludes electricity used for controls and spinning the drum.

³Includes stoves (units with both a cooktop and an oven), separate cooktops, and separate ovens. Microwaves, small kitchen appliances, and outdoor cooking are excluded.

⁴Housing 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.

⁵These 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).

⁶Rented includes households that occupy their primary housing units without paying rent.

⁷Total 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.