

Table CE5.5a Detailed household electricity end-use expenditures, part 1—totals, 2015

	Total electricity expenditures ¹ (billion dollars)											
	Space heating ²	Air handlers for heating	Air conditioning	Air handlers for cooling	Evaporative coolers	Ceiling fans	Dehumidifiers	Humidifiers	Water heating	Clothes washers	Clothes dryers	Lighting
All homes	21.99	2.83	27.28	1.24	0.45	2.93	2.07	1.01	21.02	0.75	7.28	17.40
Census region and division												
Northeast	3.10	0.78	3.09	0.08	N	0.35	0.71	0.28	3.17	0.13	1.16	3.53
New England	0.65	0.25	0.53	0.01	N	0.11	0.21	0.08	0.96	0.04	0.41	0.96
Middle Atlantic	2.45	0.53	2.56	0.06	N	0.25	0.49	0.20	2.21	0.09	0.75	2.57
Midwest	4.38	1.18	3.60	0.17	N	0.60	0.77	0.40	3.54	0.18	1.52	3.88
East North Central	2.94	0.87	2.33	0.10	N	0.36	0.57	0.27	2.43	0.12	0.94	2.56
West North Central	1.45	0.31	1.27	0.06	N	0.24	0.20	0.13	1.11	0.05	0.58	1.32
South	11.31	0.52	16.52	0.79	0.11	1.43	0.46	0.21	11.19	0.28	3.11	6.40
South Atlantic	5.76	0.30	8.60	0.42	0.07	0.73	0.37	0.15	6.37	0.14	1.63	3.55
East South Central	2.35	0.07	2.05	0.09	Q	0.21	0.04	0.02	2.14	0.05	0.53	0.98
West South Central	3.21	0.15	5.87	0.28	Q	0.49	0.05	0.05	2.67	0.08	0.95	1.87
West	3.19	0.36	4.06	0.21	0.34	0.55	0.14	0.12	3.12	0.16	1.49	3.60
Mountain	0.93	0.17	1.80	0.10	0.18	0.25	0.02	0.05	0.89	0.05	0.51	1.13
Mountain North	0.46	0.13	0.32	0.02	0.06	0.09	Q	0.03	0.36	0.03	0.30	0.60
Mountain South	0.48	0.05	1.47	0.08	0.12	0.16	Q	0.02	0.52	0.02	0.21	0.53
Pacific	2.26	0.18	2.27	0.11	0.16	0.29	0.12	0.07	2.23	0.11	0.98	2.47
Census urban/rural classification³												
Urban	14.22	2.24	22.24	1.02	0.39	2.23	1.48	0.79	14.36	0.57	5.42	13.82
Urbanized area	11.83	1.91	20.04	0.92	0.35	1.99	1.25	0.70	12.06	0.49	4.56	12.21
Urban cluster	2.39	0.33	2.20	0.10	Q	0.25	0.22	0.08	2.30	0.08	0.87	1.61
Rural	7.77	0.59	5.04	0.22	0.07	0.70	0.60	0.23	6.65	0.18	1.86	3.58

Table CE5.5a Detailed household electricity end-use expenditures, part 1—totals, 2015

	Total electricity expenditures ¹ (billion dollars)											
	Space heating ²	Air handlers for heating	Air conditioning	Air handlers for cooling	Evaporative coolers	Ceiling fans	Dehumidifiers	Humidifiers	Water heating	Clothes washers	Clothes dryers	Lighting
All homes	21.99	2.83	27.28	1.24	0.45	2.93	2.07	1.01	21.02	0.75	7.28	17.40
Metropolitan or micropolitan statistical area												
In metropolitan statistical area	16.28	2.35	23.54	1.09	0.42	2.49	1.73	0.87	15.97	0.61	5.80	14.82
In micropolitan statistical area	3.70	0.31	2.16	0.09	Q	0.27	0.24	0.09	3.06	0.08	0.90	1.59
Not in metropolitan or micropolitan statistical area	2.02	0.17	1.58	0.06	Q	0.17	0.09	0.05	1.99	0.05	0.58	1.00
Climate region⁴												
Very cold/Cold	6.23	1.81	4.34	0.18	0.10	0.84	1.23	0.59	5.82	0.27	2.48	6.19
Mixed-humid	9.38	0.70	8.28	0.35	Q	0.91	0.61	0.31	7.63	0.21	2.21	5.44
Mixed-dry/Hot-dry	0.91	0.10	3.21	0.17	0.23	0.33	0.03	0.04	0.96	0.08	0.60	1.73
Hot-humid	4.19	0.14	11.25	0.53	0.09	0.77	0.12	0.05	5.37	0.14	1.55	3.09
Marine	1.29	0.08	0.21	0.01	Q	0.08	0.07	0.03	1.23	0.04	0.44	0.95
Housing unit type												
Single-family detached	15.29	2.48	21.46	1.06	0.31	2.50	1.85	0.86	12.56	0.57	5.54	12.64
Single-family attached	1.04	0.13	1.27	0.05	Q	0.11	0.09	0.05	1.04	0.04	0.36	0.95
Apartments in buildings with 2–4 units	1.39	0.09	1.01	0.03	Q	0.07	0.04	0.03	1.43	0.03	0.30	1.02
Apartments in buildings with 5 or more units	2.33	0.09	2.26	0.07	0.06	0.12	0.06	0.06	3.57	0.06	0.62	2.10
Mobile homes	1.94	0.05	1.27	0.03	0.04	0.13	0.03	0.02	2.42	0.04	0.47	0.68

Table CE5.5a Detailed household electricity end-use expenditures, part 1—totals, 2015

	Total electricity expenditures ¹ (billion dollars)											
	Space heating ²	Air handlers for heating	Air conditioning	Air handlers for cooling	Evaporative coolers	Ceiling fans	Dehumidifiers	Humidifiers	Water heating	Clothes washers	Clothes dryers	Lighting
All homes	21.99	2.83	27.28	1.24	0.45	2.93	2.07	1.01	21.02	0.75	7.28	17.40
Ownership of housing unit												
Owned	14.87	2.37	20.97	1.02	0.31	2.44	1.84	0.86	12.75	0.55	5.25	12.55
Single-family	13.26	2.30	19.34	0.97	0.26	2.30	1.78	0.83	10.60	0.50	4.75	11.55
Apartments	0.25	0.03	0.64	0.02	Q	0.03	0.04	0.02	0.46	0.02	0.16	0.51
Mobile homes	1.35	0.04	0.99	0.03	0.03	0.10	Q	0.01	1.69	0.03	0.34	0.49
Rented ⁵	7.12	0.46	6.31	0.22	0.14	0.49	0.23	0.16	8.27	0.20	2.04	4.86
Single-family	3.07	0.30	3.39	0.14	0.07	0.31	0.15	0.08	3.00	0.11	1.15	2.05
Apartments	3.47	0.14	2.64	0.07	0.07	0.15	0.06	0.07	4.54	0.07	0.76	2.61
Mobile homes	0.58	0.01	0.28	0.01	Q	0.03	Q	Q	0.74	0.01	0.12	0.19
Year of construction												
Before 1950	3.22	0.69	3.72	0.11	0.04	0.35	0.45	0.17	2.74	0.13	1.09	2.88
1950 to 1959	1.84	0.42	2.90	0.11	0.03	0.27	0.27	0.10	1.70	0.08	0.74	1.61
1960 to 1969	1.99	0.33	3.08	0.13	0.07	0.25	0.25	0.12	1.67	0.07	0.67	1.58
1970 to 1979	4.36	0.40	4.08	0.19	0.10	0.39	0.32	0.15	3.52	0.11	1.12	2.51
1980 to 1989	3.02	0.24	3.78	0.18	0.09	0.42	0.25	0.10	3.20	0.09	0.93	2.32
1990 to 1999	3.38	0.35	4.26	0.22	0.09	0.53	0.29	0.16	3.55	0.12	1.18	2.79
2000 to 2009	3.48	0.34	4.63	0.26	0.04	0.63	0.21	0.18	3.66	0.12	1.27	3.12
2010 to 2015	0.70	0.06	0.84	0.05	N	0.11	0.04	0.03	0.97	0.02	0.28	0.60
Total square footage⁶												
Fewer than 1,000	3.52	0.14	2.86	0.07	0.07	0.18	0.08	0.06	4.48	0.09	0.88	2.47
1,000 to 1,499	5.02	0.26	5.18	0.19	0.13	0.45	0.19	0.10	5.68	0.15	1.53	3.22
1,500 to 1,999	3.67	0.36	4.90	0.21	0.08	0.50	0.24	0.14	3.41	0.13	1.29	2.43
2,000 to 2,499	2.54	0.43	3.83	0.18	0.06	0.46	0.32	0.15	2.41	0.10	0.99	2.16
2,500 to 2,999	2.16	0.43	3.04	0.15	0.03	0.37	0.38	0.15	1.51	0.09	0.81	1.88
3,000 or greater	5.09	1.20	7.47	0.44	0.08	0.98	0.86	0.41	3.52	0.19	1.78	5.25

Table CE5.5a Detailed household electricity end-use expenditures, part 1—totals, 2015

	Total electricity expenditures ¹ (billion dollars)											
	Space heating ²	Air handlers for heating	Air conditioning	Air handlers for cooling	Evaporative coolers	Ceiling fans	Dehumidifiers	Humidifiers	Water heating	Clothes washers	Clothes dryers	Lighting
All homes	21.99	2.83	27.28	1.24	0.45	2.93	2.07	1.01	21.02	0.75	7.28	17.40
Number of household members												
1 member	4.69	0.44	4.75	0.19	0.09	0.40	0.30	0.14	2.68	0.09	0.86	2.92
2 members	8.32	1.07	10.35	0.48	0.18	1.15	0.86	0.39	6.74	0.26	2.47	6.20
3 members	3.40	0.51	4.69	0.22	0.07	0.57	0.36	0.20	4.04	0.14	1.38	2.99
4 members	3.07	0.46	4.27	0.21	0.05	0.46	0.36	0.19	3.78	0.14	1.36	2.86
5 members	1.59	0.20	2.09	0.10	Q	0.22	0.12	0.07	2.35	0.07	0.71	1.50
6 or more members	0.92	0.14	1.14	0.05	0.04	0.13	0.08	0.04	1.43	0.05	0.51	0.93
2015 annual household income												
Less than \$20,000	4.40	0.28	3.64	0.11	0.07	0.28	0.15	0.07	4.08	0.09	0.86	2.19
\$20,000 to \$39,999	4.89	0.57	5.31	0.22	0.13	0.53	0.29	0.16	4.95	0.15	1.48	3.20
\$40,000 to \$59,999	3.38	0.41	4.41	0.19	0.06	0.47	0.29	0.12	3.42	0.13	1.19	2.42
\$60,000 to \$79,999	2.94	0.40	3.48	0.16	0.07	0.40	0.33	0.14	3.10	0.11	1.07	2.30
\$80,000 to \$99,999	1.64	0.30	2.51	0.13	0.03	0.31	0.28	0.11	1.66	0.07	0.70	1.55
\$100,000 to \$119,999	1.71	0.25	2.21	0.11	0.03	0.27	0.22	0.11	1.39	0.07	0.70	1.58
\$120,000 to \$139,999	1.00	0.19	1.77	0.09	Q	0.19	0.17	0.08	1.00	0.04	0.36	1.12
\$140,000 or more	2.03	0.42	3.97	0.22	Q	0.47	0.35	0.22	1.41	0.09	0.91	3.04
Payment method for energy bills												
All paid by household	20.51	2.71	25.68	1.20	0.43	2.85	1.99	0.96	19.55	0.71	6.96	15.95
Some paid by household, some included in rent or condo fee	0.58	0.05	0.69	0.01	Q	0.03	0.03	0.03	0.46	0.01	0.12	0.61
All included in rent or condo fee	0.75	0.05	0.78	0.02	Q	0.03	0.04	0.02	0.90	0.02	0.16	0.77
Some other method	0.15	0.01	0.13	(*)	Q	0.01	Q	Q	0.10	(*)	0.04	0.07

Table CE5.5a Detailed household electricity end-use expenditures, part 1—totals, 2015

	Total electricity expenditures ¹ (billion dollars)											
	Space heating ²	Air handlers for heating	Air conditioning	Air handlers for cooling	Evaporative coolers	Ceiling fans	Dehumidifiers	Humidifiers	Water heating	Clothes washers	Clothes dryers	Lighting
All homes	21.99	2.83	27.28	1.24	0.45	2.93	2.07	1.01	21.02	0.75	7.28	17.40

¹Small amounts of standby power for devices that some households have but do not use (e.g., dishwasher) are not included.

²Includes main (primary) and secondary space heating.

³Housing 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.

⁴These 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).

⁵Rented includes households that occupy their primary housing units without paying rent.

⁶Total 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.

(*) Number 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.