

**Table CE5.5b Detailed household electricity end-use expenditures, part 2—totals, 2015**

	Total electricity expenditures <sup>1</sup> (billion dollars)												
	All refrigerators	Most-used refrigerators	Second refrigerators	Separate freezers	Cooking <sup>2</sup>	Micro-waves	Dish-washers	All TVs and related <sup>3</sup>	Most-used TVs	Second TVs	Pool pumps	Hot tub pumps	Hot tub heaters
<b>All homes</b>	12.07	9.45	2.12	2.61	2.34	1.89	0.96	11.86	3.64	1.31	1.59	0.24	0.64
<b>Census region and division</b>													
Northeast	2.49	1.98	0.42	0.49	0.40	0.39	0.18	2.62	0.78	0.28	0.32	0.04	0.13
New England	0.69	0.55	0.12	0.13	0.17	0.12	0.05	0.77	0.22	0.08	0.11	0.02	0.06
Middle Atlantic	1.80	1.43	0.31	0.36	0.23	0.27	0.13	1.85	0.56	0.20	0.21	0.03	0.07
Midwest	2.60	2.02	0.46	0.71	0.51	0.43	0.21	2.51	0.79	0.26	0.18	0.05	0.14
East North Central	1.81	1.42	0.32	0.45	0.32	0.30	0.14	1.75	0.55	0.19	0.16	0.04	0.10
West North Central	0.79	0.60	0.15	0.26	0.19	0.13	0.07	0.76	0.24	0.08	0.02	0.01	0.04
South	4.08	3.19	0.70	0.89	0.96	0.62	0.33	4.16	1.31	0.50	0.72	0.05	0.14
South Atlantic	2.21	1.75	0.37	0.41	0.52	0.35	0.18	2.26	0.71	0.27	0.45	0.03	0.09
East South Central	0.60	0.48	0.10	0.18	0.18	0.09	0.05	0.65	0.21	0.09	0.07	Q	Q
West South Central	1.26	0.96	0.24	0.29	0.26	0.19	0.10	1.25	0.39	0.14	0.21	0.02	0.03
West	2.90	2.26	0.53	0.53	0.47	0.45	0.24	2.57	0.77	0.27	0.38	0.10	0.23
Mountain	0.86	0.68	0.15	0.22	0.16	0.12	0.07	0.77	0.24	0.08	0.12	0.03	0.08
Mountain North	0.43	0.33	0.08	0.12	0.10	0.06	0.04	0.36	0.10	0.04	Q	0.01	0.03
Mountain South	0.42	0.34	0.07	0.10	0.07	0.06	0.03	0.41	0.14	0.04	0.11	0.02	0.04
Pacific	2.04	1.58	0.39	0.32	0.31	0.32	0.17	1.80	0.52	0.19	0.26	0.07	0.16
<b>Census urban/rural classification<sup>4</sup></b>													
Urban	9.63	7.66	1.58	1.66	1.77	1.53	0.77	9.64	2.93	1.06	1.26	0.16	0.38
Urbanized area	8.49	6.75	1.39	1.37	1.52	1.33	0.69	8.56	2.58	0.93	1.17	0.15	0.35
Urban cluster	1.14	0.91	0.19	0.29	0.25	0.20	0.08	1.08	0.36	0.13	0.09	0.01	0.03
Rural	2.44	1.79	0.55	0.95	0.57	0.35	0.18	2.22	0.71	0.25	0.33	0.08	0.26

**Table CE5.5b Detailed household electricity end-use expenditures, part 2—totals, 2015**

	Total electricity expenditures <sup>1</sup> (billion dollars)												
	All refrigerators	Most-used refrigerators	Second refrigerators	Separate freezers	Cooking <sup>2</sup>	Micro-waves	Dish-washers	All TVs and related <sup>3</sup>	Most-used TVs	Second TVs	Pool pumps	Hot tub pumps	Hot tub heaters
<b>All homes</b>	12.07	9.45	2.12	2.61	2.34	1.89	0.96	11.86	3.64	1.31	1.59	0.24	0.64
<b>Metropolitan or micropolitan statistical area</b>													
In metropolitan statistical area	10.27	8.04	1.79	1.96	1.92	1.60	0.83	10.11	3.06	1.10	1.42	0.22	0.57
In micropolitan statistical area	1.11	0.86	0.20	0.38	0.25	0.19	0.09	1.09	0.36	0.13	0.12	0.01	0.04
Not in metropolitan or micropolitan statistical area	0.70	0.55	0.13	0.27	0.17	0.10	0.04	0.66	0.22	0.08	0.05	Q	Q
<b>Climate region<sup>5</sup></b>													
Very cold/Cold	4.32	3.37	0.78	1.15	0.82	0.70	0.35	4.33	1.33	0.47	0.36	0.10	0.29
Mixed-humid	3.39	2.68	0.55	0.72	0.70	0.53	0.27	3.47	1.06	0.39	0.39	0.04	0.14
Mixed-dry/Hot-dry	1.49	1.17	0.27	0.17	0.20	0.22	0.11	1.32	0.39	0.14	0.34	0.04	0.07
Hot-humid	2.15	1.68	0.38	0.41	0.49	0.33	0.16	2.12	0.67	0.25	0.48	0.03	0.05
Marine	0.72	0.54	0.15	0.16	0.13	0.11	0.07	0.62	0.18	0.06	Q	0.03	0.09
<b>Housing unit type</b>													
Single-family detached	8.50	6.18	1.87	2.17	1.69	1.26	0.71	7.99	2.25	0.82	1.57	0.21	0.56
Single-family attached	0.67	0.56	0.10	0.09	0.10	0.10	0.05	0.65	0.21	0.07	Q	0.01	Q
Apartments in buildings with 2–4 units	0.75	0.67	0.06	0.08	0.16	0.14	0.03	0.85	0.32	0.10	N	Q	Q
Apartments in buildings with 5 or more units	1.63	1.59	0.03	0.10	0.29	0.29	0.13	1.70	0.61	0.21	N	0.01	Q
Mobile homes	0.53	0.45	0.07	0.16	0.10	0.09	0.03	0.67	0.24	0.10	Q	Q	Q

**Table CE5.5b Detailed household electricity end-use expenditures, part 2—totals, 2015**

	Total electricity expenditures <sup>1</sup> (billion dollars)												
	All refrigerators	Most-used refrigerators	Second refrigerators	Separate freezers	Cooking <sup>2</sup>	Micro-waves	Dish-washers	All TVs and related <sup>3</sup>	Most-used TVs	Second TVs	Pool pumps	Hot tub pumps	Hot tub heaters
<b>All homes</b>	12.07	9.45	2.12	2.61	2.34	1.89	0.96	11.86	3.64	1.31	1.59	0.24	0.64
<b>Ownership of housing unit</b>													
Owned	8.63	6.32	1.88	2.18	1.56	1.25	0.71	8.01	2.28	0.81	1.54	0.22	0.60
Single-family	7.83	5.63	1.78	2.02	1.46	1.12	0.66	7.17	1.99	0.71	1.53	0.21	0.56
Apartments	0.40	0.35	0.05	0.03	0.04	0.06	0.03	0.33	0.11	0.03	N	Q	Q
Mobile homes	0.41	0.34	0.06	0.12	0.07	0.06	0.02	0.51	0.17	0.06	Q	Q	Q
Rented <sup>6</sup>	3.44	3.13	0.24	0.43	0.77	0.64	0.25	3.85	1.36	0.50	0.05	0.02	0.04
Single-family	1.34	1.11	0.18	0.24	0.32	0.24	0.10	1.47	0.48	0.19	0.05	0.01	Q
Apartments	1.97	1.91	0.05	0.15	0.42	0.37	0.13	2.22	0.82	0.28	N	Q	Q
Mobile homes	0.12	0.11	0.01	0.04	0.03	0.02	Q	0.16	0.07	0.03	Q	N	N
<b>Year of construction</b>													
Before 1950	2.00	1.68	0.27	0.52	0.33	0.36	0.12	2.05	0.65	0.24	0.11	0.03	0.09
1950 to 1959	1.25	1.00	0.21	0.30	0.24	0.21	0.08	1.31	0.43	0.14	0.13	0.01	0.03
1960 to 1969	1.26	0.98	0.21	0.25	0.25	0.21	0.08	1.27	0.41	0.14	0.15	0.01	0.04
1970 to 1979	1.80	1.42	0.33	0.39	0.39	0.29	0.14	1.75	0.57	0.20	0.24	0.03	0.07
1980 to 1989	1.62	1.28	0.29	0.32	0.36	0.25	0.13	1.56	0.51	0.18	0.29	0.04	0.12
1990 to 1999	1.85	1.38	0.37	0.39	0.33	0.26	0.16	1.73	0.49	0.18	0.32	0.05	0.11
2000 to 2009	1.94	1.41	0.39	0.39	0.35	0.26	0.19	1.80	0.48	0.18	0.31	0.06	0.16
2010 to 2015	0.35	0.29	0.05	0.07	0.09	0.06	0.05	0.39	0.11	0.05	0.04	0.01	Q
<b>Total square footage<sup>7</sup></b>													
Fewer than 1,000	2.01	1.92	0.08	0.20	0.39	0.36	0.10	2.08	0.79	0.26	Q	0.01	0.03
1,000 to 1,499	2.27	1.95	0.28	0.43	0.47	0.38	0.17	2.46	0.84	0.31	0.11	0.02	0.06
1,500 to 1,999	1.85	1.41	0.37	0.45	0.35	0.28	0.15	1.72	0.53	0.18	0.31	0.03	0.09
2,000 to 2,499	1.60	1.20	0.34	0.43	0.30	0.23	0.13	1.50	0.44	0.17	0.24	0.05	0.12
2,500 to 2,999	1.27	0.93	0.29	0.32	0.26	0.19	0.11	1.18	0.34	0.13	0.24	0.03	0.08
3,000 or greater	3.07	2.03	0.77	0.78	0.58	0.44	0.30	2.93	0.71	0.27	0.67	0.10	0.26

**Table CE5.5b Detailed household electricity end-use expenditures, part 2—totals, 2015**

	Total electricity expenditures <sup>1</sup> (billion dollars)												
	All refrigerators	Most-used refrigerators	Second refrigerators	Separate freezers	Cooking <sup>2</sup>	Micro-waves	Dish-washers	All TVs and related <sup>3</sup>	Most-used TVs	Second TVs	Pool pumps	Hot tub pumps	Hot tub heaters
<b>All homes</b>	12.07	9.45	2.12	2.61	2.34	1.89	0.96	11.86	3.64	1.31	1.59	0.24	0.64
<b>Number of household members</b>													
1 member	2.49	2.22	0.23	0.39	0.39	0.36	0.11	1.92	0.76	0.19	0.13	0.02	0.05
2 members	4.52	3.47	0.87	1.16	0.85	0.67	0.34	4.18	1.35	0.46	0.64	0.12	0.33
3 members	2.04	1.59	0.35	0.43	0.41	0.33	0.18	2.20	0.61	0.25	0.28	0.04	0.12
4 members	1.72	1.25	0.38	0.31	0.38	0.29	0.19	1.98	0.50	0.22	0.29	0.04	0.08
5 members	0.78	0.55	0.18	0.17	0.20	0.13	0.09	0.90	0.23	0.11	0.15	0.02	0.04
6 or more members	0.52	0.36	0.11	0.15	0.12	0.11	0.05	0.68	0.18	0.08	0.09	0.01	0.02
<b>2015 annual household income</b>													
Less than \$20,000	1.74	1.53	0.16	0.34	0.37	0.33	0.07	1.91	0.76	0.26	0.06	0.01	Q
\$20,000 to \$39,999	2.49	2.09	0.33	0.57	0.51	0.40	0.15	2.48	0.84	0.33	0.17	0.02	0.06
\$40,000 to \$59,999	1.78	1.47	0.29	0.43	0.37	0.27	0.13	1.80	0.57	0.20	0.13	0.03	0.07
\$60,000 to \$79,999	1.61	1.23	0.30	0.39	0.35	0.24	0.15	1.53	0.45	0.16	0.22	0.04	0.10
\$80,000 to \$99,999	1.14	0.84	0.25	0.26	0.21	0.15	0.11	1.09	0.31	0.11	0.22	0.02	0.06
\$100,000 to \$119,999	0.97	0.72	0.21	0.20	0.18	0.15	0.11	0.89	0.23	0.08	0.19	0.03	0.08
\$120,000 to \$139,999	0.69	0.49	0.17	0.16	0.13	0.10	0.07	0.68	0.16	0.05	0.17	0.02	0.05
\$140,000 or more	1.64	1.08	0.41	0.26	0.24	0.23	0.18	1.49	0.33	0.12	0.42	0.07	0.18
<b>Payment method for energy bills</b>													
All paid by household	11.00	8.44	2.08	2.51	2.17	1.70	0.90	10.71	3.23	1.18	1.58	0.23	0.62
Some paid by household, some included in rent or condo fee	0.57	0.56	0.01	0.04	0.07	0.09	0.03	0.53	0.18	0.06	Q	Q	Q
All included in rent or condo fee	0.44	0.40	0.03	0.04	0.08	0.09	0.02	0.56	0.19	0.07	N	Q	Q
Some other method	0.06	0.05	Q	0.02	0.02	0.01	(*)	0.07	0.03	(*)	Q	Q	Q

**Table CE5.5b Detailed household electricity end-use expenditures, part 2—totals, 2015**

	Total electricity expenditures <sup>1</sup> (billion dollars)												
	All refrigerators	Most-used refrigerators	Second refrigerators	Separate freezers	Cooking <sup>2</sup>	Micro-waves	Dish-washers	All TVs and related <sup>3</sup>	Most-used TVs	Second TVs	Pool pumps	Hot tub pumps	Hot tub heaters
<b>All homes</b>	12.07	9.45	2.12	2.61	2.34	1.89	0.96	11.86	3.64	1.31	1.59	0.24	0.64

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

<sup>2</sup>Includes stoves (units with both a cooktop and an oven), separate cooktops, and separate ovens. Microwaves, small kitchen appliances, and outdoor cooking are excluded.

<sup>3</sup>Includes TVs and peripherals such as cable/satellite boxes, DVRs, video game consoles, DVD/Blu-ray players, VCRs, and Internet streaming devices.

<sup>4</sup>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.

<sup>5</sup>These 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).

<sup>6</sup>Rented includes households that occupy their primary housing units without paying rent.

<sup>7</sup>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 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.