

**Table CE5.7b Detailed household electricity end-use expenditures, part 2—averages, 2015**

	Average electricity expenditures <sup>1</sup> (dollars per household using the end use)												
	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>	103	81	61	69	31	17	15	103	32	15	200	41	160
<b>Census region and division</b>													
Northeast	120	95	65	81	40	20	18	129	38	19	179	42	166
New England	124	98	75	96	49	22	20	143	40	21	207	65	228
Middle Atlantic	118	94	62	77	35	19	18	125	38	18	168	33	135
Midwest	99	77	53	70	31	17	14	97	31	14	155	40	147
East North Central	101	79	55	69	31	17	15	99	31	14	159	43	148
West North Central	96	73	49	71	30	16	13	94	29	13	127	32	145
South	93	73	59	61	29	15	14	96	30	15	204	33	136
South Atlantic	95	75	60	62	29	16	14	99	31	16	216	38	148
East South Central	85	67	56	59	33	13	13	93	30	16	154	Q	Q
West South Central	93	71	59	61	27	14	14	92	29	14	201	24	99
West	110	86	69	71	31	18	16	101	30	14	250	48	184
Mountain	101	79	59	67	29	15	13	93	29	13	225	53	211
Mountain North	102	79	55	67	31	16	15	88	25	12	Q	53	196
Mountain South	99	80	64	67	26	15	12	98	34	13	231	52	223
Pacific	115	89	75	74	33	19	17	104	30	15	263	46	174
<b>Census urban/rural classification<sup>4</sup></b>													
Urban	102	82	62	66	30	17	15	105	32	16	209	39	151
Urbanized area	104	83	63	67	30	17	15	107	32	16	214	40	149
Urban cluster	92	73	55	64	30	17	14	90	30	15	163	36	169
Rural	105	77	60	73	34	16	14	97	31	14	172	45	175
<b>Metropolitan or micropolitan statistical area</b>													
In metropolitan statistical area	105	82	62	69	31	17	15	105	32	15	206	42	163
In micropolitan statistical area	91	70	57	64	30	16	14	91	31	15	157	30	123
Not in metropolitan or micropolitan statistical area	96	76	60	73	33	15	14	94	31	15	176	36	Q

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<b>All homes</b>	103	81	61	69	31	17	15	103	32	15	200	41	160
<b>Climate region<sup>5</sup></b>													
Very cold/Cold	102	80	55	72	33	17	15	105	32	15	166	43	163
Mixed-humid	102	81	61	68	32	17	15	107	33	17	175	36	153
Mixed-dry/Hot-dry	117	92	78	73	33	19	17	107	32	15	259	43	188
Hot-humid	96	75	62	60	28	15	14	95	30	15	226	34	126
Marine	109	81	69	70	31	18	16	96	27	14	Q	46	167
<b>Housing unit type</b>													
Single-family detached	116	84	62	69	36	18	16	110	31	14	202	40	157
Single-family attached	97	81	62	67	24	16	13	94	31	15	Q	40	Q
Apartments in buildings with 2–4 units	80	72	54	65	29	16	14	95	36	20	N	Q	Q
Apartments in buildings with 5 or more units	78	76	37	67	21	16	14	87	31	20	N	57	Q
Mobile homes	79	67	56	62	25	13	14	100	36	18	Q	Q	Q
<b>Ownership of housing unit</b>													
Owned	117	85	63	70	34	17	15	109	31	14	205	42	165
Single-family	119	85	63	70	35	17	15	110	30	13	205	41	161
Apartments	122	106	67	87	23	20	15	102	34	17	N	Q	Q
Mobile homes	83	70	58	63	23	13	13	104	36	17	Q	Q	Q
Rented <sup>6</sup>	79	72	50	62	27	16	15	93	33	19	119	32	110
Single-family	92	77	56	61	36	17	16	103	33	17	123	25	Q
Apartments	73	71	35	63	23	15	14	88	32	20	N	Q	Q
Mobile homes	68	60	50	59	29	13	Q	91	36	23	Q	N	N

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(dollars per household using the end use)

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<b>All homes</b>	103	81	61	69	31	17	15	103	32	15	200	41	160
<b>Year of construction</b>													
Before 1950	98	82	56	73	36	19	16	104	33	17	163	46	166
1950 to 1959	100	81	57	71	35	17	16	106	34	16	160	38	147
1960 to 1969	99	77	58	65	32	17	14	102	33	16	200	35	142
1970 to 1979	99	78	63	66	30	17	15	98	32	16	216	50	158
1980 to 1989	102	80	64	66	30	17	14	100	32	16	220	40	160
1990 to 1999	111	83	65	66	29	16	15	105	30	14	178	36	150
2000 to 2009	114	83	65	71	29	16	15	108	29	14	240	41	168
2010 to 2015	91	75	46	61	30	16	17	102	28	15	242	39	Q
<b>Total square footage<sup>7</sup></b>													
Fewer than 1,000	77	74	47	61	24	15	13	84	32	18	Q	38	163
1,000 to 1,499	87	75	59	62	28	15	14	96	33	17	160	39	155
1,500 to 1,999	107	82	67	69	32	17	15	100	31	14	219	39	152
2,000 to 2,499	114	85	60	69	34	17	14	108	31	15	194	52	195
2,500 to 2,999	118	87	61	70	37	18	15	111	32	14	219	42	141
3,000 or greater	133	88	62	74	39	20	17	127	31	14	200	38	156
<b>Number of household members</b>													
1 member	88	79	62	71	22	14	9	71	28	13	183	32	133
2 members	106	82	63	74	31	16	13	100	32	14	204	44	170
3 members	105	82	57	64	33	18	16	115	32	16	211	45	174
4 members	112	81	62	62	39	19	20	129	33	17	191	39	161
5 members	109	77	61	63	42	20	23	126	32	17	220	35	119
6 or more members	112	78	56	61	44	25	23	148	39	21	176	33	131

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Average electricity expenditures<sup>1</sup>  
(dollars per household using the end use)

	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>	103	81	61	69	31	17	15	103	32	15	200	41	160
<b>2015 annual household income</b>													
Less than \$20,000	78	69	53	66	27	16	13	87	35	20	170	27	Q
\$20,000 to \$39,999	92	77	56	68	29	16	13	94	32	17	179	29	113
\$40,000 to \$59,999	97	80	60	65	30	15	13	100	32	14	153	39	160
\$60,000 to \$79,999	106	81	60	68	33	17	15	102	30	14	184	42	155
\$80,000 to \$99,999	118	87	64	71	33	16	14	115	33	14	218	37	150
\$100,000 to \$119,999	120	89	62	72	36	19	18	111	29	13	225	46	164
\$120,000 to \$139,999	129	91	67	74	38	20	16	127	29	12	200	50	191
\$140,000 or more	147	96	67	74	35	21	19	136	30	13	230	45	185
<b>Payment method for energy bills</b>													
All paid by household	105	80	61	68	32	17	15	103	31	15	201	40	160
Some paid by household, some included in rent or condo fee	96	94	35	65	26	17	18	96	34	22	Q	Q	Q
All included in rent or condo fee	81	75	58	71	27	19	16	107	37	26	N	Q	Q
Some other method	69	60	Q	80	33	18	15	87	39	11	Q	Q	Q

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<b>All homes</b>	103	81	61	69	31	17	15	103	32	15	200	41	160

<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.

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.