

**Table CE3.5 Annual household site end-use consumption in the West—totals and averages, 2015**

	Number of housing units (million)	Total site energy consumption <sup>1</sup> (trillion Btu)						Average site energy consumption <sup>1</sup> (million Btu per household using the end use)					
		Total West <sup>2</sup>	Space heating <sup>3</sup>	Water heating	Air condi- tioning	Refrig- erators	Other <sup>4</sup>	Total	Space heating <sup>3</sup>	Water heating	Air condi- tioning	Refrig- erators	Other <sup>4</sup>
<b>All homes</b>	26.4	1,581	514	411	95	69	492	59.9	22.1	15.6	5.1	2.6	18.6
<b>Census division</b>													
Mountain	8.5	631	251	138	50	23	170	74.1	30.6	16.2	7.5	2.7	20.0
Mountain North	4.2	357	172	80	9	12	85	84.0	40.5	18.7	3.0	2.8	19.9
Mountain South	4.3	274	79	58	41	11	85	64.3	19.9	13.7	11.3	2.6	20.0
Pacific	17.9	949	263	273	45	46	322	53.1	17.5	15.3	3.8	2.6	18.0
<b>Census urban/rural classification<sup>5</sup></b>													
Urban	22.8	1,317	409	352	89	59	407	57.7	20.4	15.4	5.4	2.6	17.8
Urbanized area	21.4	1,213	368	326	86	55	379	56.7	19.7	15.3	5.5	2.6	17.7
Urban cluster	1.5	104	41	26	4	4	29	71.4	30.3	18.0	3.9	2.8	19.7
Rural	3.6	264	105	59	5	10	84	74.3	32.7	16.7	2.8	2.9	23.7
<b>Metropolitan or micropolitan statistical area</b>													
In metropolitan statistical area	24.1	1,403	428	372	92	63	448	58.1	20.4	15.4	5.3	2.6	18.5
In micropolitan statistical area	1.1	78	34	16	2	3	22	68.4	30.4	14.3	1.9	2.8	19.4
Not in metropolitan or micropolitan statistical area	1.1	100	Q	23	Q	Q	22	90.4	46.7	20.5	3.6	2.8	19.8
<b>Climate region<sup>6</sup></b>													
Very cold/Cold	6.5	528	249	117	12	17	133	80.6	38.9	17.9	2.6	2.6	20.3
Mixed-humid	N	N	N	N	N	N	N	N	N	N	N	N	N
Mixed-dry/Hot-dry	12.7	660	137	184	75	33	231	51.8	12.9	14.5	7.4	2.6	18.1
Hot-humid	0.4	11	Q	3	3	1	4	24.1	Q	6.4	10.1	2.0	9.8
Marine	6.7	382	127	108	5	18	124	57.3	20.7	16.2	1.5	2.7	18.6

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		Total West <sup>2</sup>	Total	Space heating <sup>3</sup>	Water heating	Air conditioning	Refrigerators	Other <sup>4</sup>	Total	Space heating <sup>3</sup>	Water heating	Air conditioning	Refrigerators
<b>All homes</b>	26.4	1,581	514	411	95	69	492	59.9	22.1	15.6	5.1	2.6	18.6
<b>Housing unit type</b>													
Single-family detached	16.2	1,213	442	278	76	50	367	74.8	29.2	17.2	6.6	3.1	22.7
Single-family attached	1.6	78	22	23	5	4	25	49.3	15.3	14.8	4.2	2.3	15.5
Apartments in buildings with 2–4 units	1.9	70	12	29	3	4	22	37.6	7.5	15.6	2.6	1.9	11.8
Apartments in buildings with 5 or more units	5.3	141	16	55	9	9	52	26.6	4.3	10.5	2.3	1.7	9.7
Mobile homes	1.4	78	22	25	Q	3	26	54.6	18.1	17.5	Q	1.9	18.1
<b>Ownership of housing unit</b>													
Owned	15.4	1,108	399	251	70	47	341	72.0	28.3	16.3	6.4	3.1	22.2
Single-family	13.9	1,041	383	230	66	44	318	75.0	29.4	16.6	6.6	3.2	22.9
Apartments	0.6	16	2	5	2	1	6	28.8	6.2	8.3	6.1	2.1	11.1
Mobile homes	0.9	50	14	16	Q	2	17	54.3	17.7	16.9	Q	2.0	18.7
Rented <sup>7</sup>	11.0	473	115	160	25	22	150	43.0	12.6	14.6	3.3	2.0	13.7
Single-family	3.9	250	80	71	15	10	75	64.0	22.8	18.2	5.5	2.5	19.1
Apartments	6.6	194	27	80	9	11	67	29.5	5.2	12.1	2.1	1.7	10.2
Mobile homes	0.5	28	8	9	Q	1	9	55.3	18.8	18.5	Q	1.7	17.1

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<b>All homes</b>	26.4	1,581	514	411	95	69	492	59.9	22.1	15.6	5.1	2.6	18.6
<b>Year of construction</b>													
Before 1950	3.4	211	83	50	7	9	62	62.9	26.4	15.0	3.7	2.6	18.5
1950 to 1959	2.8	160	58	40	7	6	48	57.9	24.0	14.5	4.4	2.3	17.5
1960 to 1969	2.9	149	47	41	8	7	46	51.3	21.0	14.1	4.5	2.5	15.9
1970 to 1979	4.7	257	80	69	16	12	79	54.8	20.0	14.8	4.9	2.5	16.9
1980 to 1989	3.9	189	46	58	12	9	64	48.5	13.6	14.9	4.0	2.4	16.5
1990 to 1999	3.9	267	84	68	21	12	82	68.3	23.5	17.5	7.4	3.0	20.9
2000 to 2009	4.1	295	98	70	22	12	94	72.8	26.1	17.3	6.3	3.0	23.1
2010 to 2015	0.8	51	18	14	2	2	15	64.0	24.0	17.7	3.2	2.2	19.4
<b>Total square footage<sup>8</sup></b>													
Fewer than 1,000	7.4	251	50	91	11	14	86	33.8	8.6	12.3	2.2	1.8	11.6
1,000 to 1,499	6.2	329	96	97	19	15	103	53.2	17.2	15.7	4.4	2.4	16.6
1,500 to 1,999	3.9	256	84	65	15	11	82	64.9	23.9	16.4	5.5	2.8	20.8
2,000 to 2,499	3.1	229	80	52	16	10	71	73.0	26.9	16.7	7.0	3.3	22.5
2,500 to 2,999	1.9	162	70	33	10	6	43	86.7	40.2	17.5	7.5	3.2	22.9
3,000 or greater	3.8	354	135	74	25	13	108	92.2	36.9	19.3	8.2	3.4	28.1
<b>Number of household members</b>													
1 member	5.5	251	110	44	13	12	71	45.7	22.1	8.0	3.6	2.3	13.0
2 members	9.7	567	198	124	38	26	180	58.5	23.4	12.9	5.5	2.7	18.6
3 members	4.3	255	76	75	13	11	81	58.9	19.9	17.3	4.5	2.6	18.6
4 members	3.6	244	60	81	15	10	77	68.1	19.2	22.7	6.2	2.8	21.6
5 members	1.8	134	36	43	8	5	42	76.1	22.9	24.5	6.1	2.9	23.7
6 or more members	1.5	129	34	44	7	4	40	85.4	26.8	29.0	6.5	2.8	26.7

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<b>All homes</b>	26.4	1,581	514	411	95	69	492	59.9	22.1	15.6	5.1	2.6	18.6
<b>2015 annual household income</b>													
Less than \$20,000	5.0	222	66	65	13	10	68	44.9	15.4	13.2	3.9	2.0	13.7
\$20,000 to \$39,999	5.3	295	104	80	15	13	83	55.5	22.8	15.1	4.3	2.4	15.7
\$40,000 to \$59,999	3.6	201	61	54	13	9	63	55.6	19.2	15.0	5.0	2.6	17.4
\$60,000 to \$79,999	3.5	229	77	55	15	11	72	65.4	26.0	15.6	6.0	3.0	20.6
\$80,000 to \$99,999	2.4	158	56	41	7	7	47	66.4	24.8	17.1	4.5	2.9	19.7
\$100,000 to \$119,999	2.3	156	52	39	10	6	49	67.7	24.2	16.9	5.7	2.7	21.4
\$120,000 to \$139,999	1.2	95	31	24	6	4	29	75.8	28.3	19.3	7.1	3.0	23.6
\$140,000 or more	3.1	225	67	53	17	9	80	73.1	24.6	17.3	6.6	3.0	25.8
<b>Payment method for energy bills</b>													
All paid by household	23.7	1,482	492	377	88	64	460	62.4	23.3	15.9	5.3	2.7	19.4
Some paid by household, some included in rent or condo fee	1.1	35	6	14	2	2	11	32.8	7.6	12.8	2.8	1.9	10.5
All included in rent or condo fee	1.4	54	13	18	5	3	17	38.5	11.1	12.4	4.4	1.9	11.7
Some other method	0.2	10	Q	3	Q	(*)	4	57.1	Q	15.6	Q	1.7	21.5
<b>Main heating fuel</b>													
Natural gas	13.9	1,010	388	242	58	39	283	72.7	27.9	17.4	5.7	2.8	20.4
Electricity	7.8	361	93	100	26	19	122	46.0	11.9	12.8	4.4	2.5	15.5
Fuel oil/kerosene	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
Propane	0.8	54	22	10	2	2	18	71.3	29.1	13.9	4.0	2.5	23.5

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<b>All homes</b>	26.4	1,581	514	411	95	69	492	59.9	22.1	15.6	5.1	2.6	18.6

<sup>1</sup>Consumption and expenditures for biomass (wood), coal, district steam, and solar thermal are excluded. Electricity consumption from on-site solar photovoltaic generation (i.e., solar panels) is included.

<sup>2</sup>Total West includes all primary occupied housing units in the West Census Region. Vacant housing units, seasonal units, second homes, military houses, and group quarters are excluded.

<sup>3</sup>Includes main (primary) and secondary space heating.

<sup>4</sup>Includes end uses not shown in this table. A more detailed breakout of end uses is shown in the Series 5 tables.

<sup>5</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>6</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>7</sup>Rented includes households that occupy their primary housing units without paying rent.

<sup>8</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.

(\*) = 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.