

Table CE2.5 Annual household site fuel consumption in the West—totals and averages, 2015

	Number of housing units (million)	Total site energy consumption ¹ (trillion Btu)					Average site energy consumption ¹ (million Btu per household using the fuel)				
		Total West ²	Total	Electricity	Natural gas	Propane	Fuel oil/ kerosene	Total	Electricity	Natural gas	Propane
All homes	26.4	1,581	768	749	54	10	59.9	29.1	39.8	27.0	59.2
Census division											
Mountain	8.5	631	274	332	25	N	74.1	32.1	55.8	31.4	N
Mountain North	4.2	357	121	224	11	N	84.0	28.6	65.2	44.6	N
Mountain South	4.3	274	152	108	14	N	64.3	35.6	43.0	25.4	N
Pacific	17.9	949	494	416	29	10	53.1	27.6	32.4	24.0	59.2
Census urban/rural classification³											
Urban	22.8	1,317	623	684	7	Q	57.7	27.3	38.2	13.0	Q
Urbanized area	21.4	1,213	570	634	7	Q	56.7	26.6	37.2	13.3	Q
Urban cluster	1.5	104	54	50	Q	Q	71.4	36.9	56.9	Q	Q
Rural	3.6	264	144	65	47	Q	74.3	40.6	73.7	32.2	Q
Metropolitan or micropolitan statistical area											
In metropolitan statistical area	24.1	1,403	676	682	43	Q	58.1	28.0	38.1	25.9	Q
In micropolitan statistical area	1.1	78	60	13	Q	N	68.4	53.1	57.8	30.1	N
Not in metropolitan or micropolitan statistical area	1.1	100	31	Q	Q	Q	90.4	28.1	78.7	32.9	Q
Climate region⁴											
Very cold/Cold	6.5	528	208	288	25	Q	80.6	31.7	65.7	31.4	Q
Mixed-humid	N	N	N	N	N	N	N	N	N	N	N
Mixed-dry/Hot-dry	12.7	660	332	313	15	Q	51.8	26.1	30.0	22.9	Q
Hot-humid	0.4	11	9	Q	N	N	24.1	21.1	Q	N	N
Marine	6.7	382	218	146	Q	Q	57.3	32.7	37.8	25.4	Q

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All homes	26.4	1,581	768	749	54	10	59.9	29.1	39.8	27.0	59.2
Housing unit type											
Single-family detached	16.2	1,213	571	594	40	Q	74.8	35.2	49.9	30.7	Q
Single-family attached	1.6	78	37	41	Q	N	49.3	23.3	32.2	Q	N
Apartments in buildings with 2–4 units	1.9	70	33	35	Q	Q	37.6	17.7	24.4	Q	Q
Apartments in buildings with 5 or more units	5.3	141	83	56	Q	N	26.6	15.6	15.4	Q	N
Mobile homes	1.4	78	44	23	12	Q	54.6	30.4	42.0	25.0	Q
Ownership of housing unit											
Owned	15.4	1,108	520	537	43	8	72.0	33.8	48.1	29.2	56.9
Single-family	13.9	1,041	483	513	36	Q	75.0	34.8	49.5	30.4	Q
Apartments	0.6	16	10	6	N	N	28.8	18.0	17.9	N	N
Mobile homes	0.9	50	26	18	7	Q	54.3	27.9	39.6	24.1	Q
Rented ⁵	11.0	473	248	212	11	Q	43.0	22.5	27.7	20.9	Q
Single-family	3.9	250	125	121	Q	N	64.0	31.9	43.2	Q	N
Apartments	6.6	194	105	85	Q	Q	29.5	16.0	18.0	Q	Q
Mobile homes	0.5	28	18	Q	Q	N	55.3	35.1	Q	Q	N

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All homes	26.4	1,581	768	749	54	10	59.9	29.1	39.8	27.0	59.2
Year of construction											
Before 1950	3.4	211	104	96	Q	Q	62.9	30.9	41.0	40.1	Q
1950 to 1959	2.8	160	70	87	Q	Q	57.9	25.5	37.5	Q	Q
1960 to 1969	2.9	149	78	65	6	N	51.3	26.9	32.1	23.7	N
1970 to 1979	4.7	257	134	117	6	Q	54.8	28.6	36.9	21.8	Q
1980 to 1989	3.9	189	95	87	7	Q	48.5	24.4	31.7	32.4	Q
1990 to 1999	3.9	267	126	128	13	Q	68.3	32.1	45.9	29.4	Q
2000 to 2009	4.1	295	137	143	12	Q	72.8	33.8	49.6	28.7	Q
2010 to 2015	0.8	51	23	26	Q	Q	64.0	28.8	47.7	Q	Q
Total square footage⁶											
Fewer than 1,000	7.4	251	137	104	7	Q	33.8	18.5	20.2	18.9	Q
1,000 to 1,499	6.2	329	165	152	12	Q	53.2	26.8	35.9	24.7	Q
1,500 to 1,999	3.9	256	130	118	8	Q	64.9	32.9	42.4	24.7	Q
2,000 to 2,499	3.1	229	110	108	9	Q	73.0	34.9	48.1	32.8	Q
2,500 to 2,999	1.9	162	71	87	Q	N	86.7	37.9	59.5	Q	N
3,000 or greater	3.8	354	155	181	14	Q	92.2	40.3	60.7	34.7	Q
Number of household members											
1 member	5.5	251	114	125	9	Q	45.7	20.8	32.2	27.9	Q
2 members	9.7	567	285	247	33	Q	58.5	29.4	38.8	31.2	Q
3 members	4.3	255	124	126	3	Q	58.9	28.6	38.4	13.1	Q
4 members	3.6	244	118	117	6	Q	68.1	33.0	42.6	26.4	Q
5 members	1.8	134	69	64	Q	Q	76.1	39.2	48.4	Q	Q
6 or more members	1.5	129	57	69	Q	Q	85.4	37.6	58.5	Q	Q

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		Total West ²	Total	Electricity	Natural gas	Propane	Fuel oil/ kerosene	Total	Electricity	Natural gas	Propane
All homes	26.4	1,581	768	749	54	10	59.9	29.1	39.8	27.0	59.2
2015 annual household income											
Less than \$20,000	5.0	222	129	81	13	N	44.9	26.0	28.0	28.4	N
\$20,000 to \$39,999	5.3	295	145	133	10	Q	55.5	27.4	37.3	20.1	Q
\$40,000 to \$59,999	3.6	201	102	94	Q	Q	55.6	28.1	37.4	Q	Q
\$60,000 to \$79,999	3.5	229	111	111	6	Q	65.4	31.8	42.7	24.7	Q
\$80,000 to \$99,999	2.4	158	69	84	Q	Q	66.4	28.9	44.9	Q	Q
\$100,000 to \$119,999	2.3	156	71	80	4	N	67.7	31.0	44.5	25.7	N
\$120,000 to \$139,999	1.2	95	40	52	Q	N	75.8	31.9	52.1	Q	N
\$140,000 or more	3.1	225	101	114	10	Q	73.1	32.6	44.3	34.7	Q
Payment method for energy bills											
All paid by household	23.7	1,482	717	705	52	8	62.4	30.2	41.8	28.9	56.9
Some paid by household, some included in rent or condo fee	1.1	35	16	19	Q	N	32.8	15.0	18.7	Q	N
All included in rent or condo fee	1.4	54	30	21	Q	Q	38.5	21.6	24.9	Q	Q
Some other method	0.2	10	4	Q	Q	N	57.1	26.0	Q	Q	N
Main heating fuel											
Natural gas	13.9	1,010	355	654	Q	Q	72.7	25.6	47.0	Q	Q
Electricity	7.8	361	298	57	6	N	46.0	37.9	21.0	13.3	N
Fuel oil/kerosene	Q	Q	Q	N	Q	Q	Q	Q	N	Q	Q
Propane	0.8	54	22	Q	31	N	71.3	28.7	Q	41.4	N

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		Total West ²	Total	Electricity	Natural gas	Propane	Fuel oil/ kerosene	Total	Electricity	Natural gas	Propane
All homes	26.4	1,581	768	749	54	10	59.9	29.1	39.8	27.0	59.2

¹Consumption 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.

²Total 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.

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.

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.

Table CE2.5 Annual household site fuel consumption in the West—totals and averages, 2015

	Number of housing units (million)	Total site energy consumption ¹				Average site energy consumption ¹ (per household using the fuel)			
		Total West ²	Electricity (billion kWh)	Natural gas (billion cf)	Propane (million gallons)	Fuel oil/ kerosene (million gallons)	Electricity (kWh)	Natural gas (ccf)	Propane (gallons)
All homes	26.4	225	787	595	74	8,525	419	295	434
Census division									
Mountain	8.5	80	375	278	N	9,416	629	344	N
Mountain North	4.2	36	253	123	N	8,384	737	489	N
Mountain South	4.3	45	122	155	N	10,442	483	278	N
Pacific	17.9	145	413	317	74	8,100	321	263	434
Census urban/rural classification³									
Urban	22.8	183	715	78	Q	8,002	399	143	Q
Urbanized area	21.4	167	663	77	Q	7,809	389	146	Q
Urban cluster	1.5	16	53	Q	Q	10,815	595	Q	Q
Rural	3.6	42	72	517	Q	11,889	825	352	Q
Metropolitan or micropolitan statistical area									
In metropolitan statistical area	24.1	198	713	469	Q	8,207	399	284	Q
In micropolitan statistical area	1.1	18	14	Q	N	15,575	610	330	N
Not in metropolitan or micropolitan statistical area	1.1	9	Q	Q	Q	8,232	881	360	Q

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All homes	26.4	225	787	595	74	8,525	419	295	434
Climate region⁴									
Very cold/Cold	6.5	61	324	273	Q	9,292	738	344	Q
Mixed-humid	N	N	N	N	N	N	N	N	N
Mixed-dry/Hot-dry	12.7	97	319	162	Q	7,651	307	251	Q
Hot-humid	0.4	3	Q	N	N	6,184	Q	N	N
Marine	6.7	64	143	Q	Q	9,596	368	278	Q
Housing unit type									
Single-family detached	16.2	167	628	436	Q	10,330	527	336	Q
Single-family attached	1.6	11	42	Q	N	6,816	334	Q	N
Apartments in buildings with 2–4 units	1.9	10	36	Q	Q	5,173	252	Q	Q
Apartments in buildings with 5 or more units	5.3	24	58	Q	N	4,581	159	Q	N
Mobile homes	1.4	13	24	129	Q	8,919	434	273	Q

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All homes	26.4	225	787	595	74	8,525	419	295	434
Ownership of housing unit									
Owned	15.4	152	568	470	61	9,897	509	320	418
Single-family	13.9	142	544	398	Q	10,203	525	333	Q
Apartments	0.6	3	6	N	N	5,283	183	N	N
Mobile homes	0.9	8	18	72	Q	8,164	406	263	Q
Rented ⁵	11.0	73	219	125	Q	6,606	286	229	Q
Single-family	3.9	37	126	Q	N	9,357	448	Q	N
Apartments	6.6	31	88	Q	Q	4,687	185	Q	Q
Mobile homes	0.5	5	Q	Q	N	10,299	Q	Q	N
Year of construction									
Before 1950	3.4	30	97	Q	Q	9,052	414	439	Q
1950 to 1959	2.8	21	89	Q	Q	7,465	382	Q	Q
1960 to 1969	2.9	23	67	69	N	7,891	335	259	N
1970 to 1979	4.7	39	122	64	Q	8,397	386	239	Q
1980 to 1989	3.9	28	91	78	Q	7,149	334	355	Q
1990 to 1999	3.9	37	137	137	Q	9,413	493	322	Q
2000 to 2009	4.1	40	154	133	Q	9,900	534	314	Q
2010 to 2015	0.8	7	29	Q	Q	8,428	531	Q	Q

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All homes	26.4	225	787	595	74	8,525	419	295	434
Total square footage⁶									
Fewer than 1,000	7.4	40	106	80	Q	5,421	207	207	Q
1,000 to 1,499	6.2	48	157	126	Q	7,849	372	270	Q
1,500 to 1,999	3.9	38	122	87	Q	9,635	440	271	Q
2,000 to 2,499	3.1	32	114	103	Q	10,238	507	359	Q
2,500 to 2,999	1.9	21	94	Q	N	11,100	645	Q	N
3,000 or greater	3.8	45	195	154	Q	11,821	651	380	Q
Number of household members									
1 member	5.5	34	133	103	Q	6,099	342	305	Q
2 members	9.7	84	261	359	Q	8,626	409	341	Q
3 members	4.3	36	133	28	Q	8,368	405	143	Q
4 members	3.6	35	120	71	Q	9,664	435	289	Q
5 members	1.8	20	67	Q	Q	11,475	506	Q	Q
6 or more members	1.5	17	73	Q	Q	11,007	625	Q	Q

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2015 annual household income									
Less than \$20,000	5.0	38	84	141	N	7,627	291	311	N
\$20,000 to \$39,999	5.3	43	141	109	Q	8,023	394	220	Q
\$40,000 to \$59,999	3.6	30	98	Q	Q	8,246	387	Q	Q
\$60,000 to \$79,999	3.5	33	119	67	Q	9,318	458	271	Q
\$80,000 to \$99,999	2.4	20	90	Q	Q	8,467	483	Q	Q
\$100,000 to \$119,999	2.3	21	85	45	N	9,071	471	282	N
\$120,000 to \$139,999	1.2	12	54	Q	N	9,358	548	Q	N
\$140,000 or more	3.1	29	117	109	Q	9,558	454	380	Q
Payment method for energy bills									
All paid by household	23.7	210	742	569	61	8,848	440	316	418
Some paid by household, some included in rent or condo fee	1.1	5	19	Q	N	4,410	189	Q	N
All included in rent or condo fee	1.4	9	22	Q	Q	6,317	262	Q	Q
Some other method	0.2	1	Q	Q	N	7,633	Q	Q	N
Main heating fuel									
Natural gas	13.9	104	693	Q	Q	7,489	499	Q	Q
Electricity	7.8	87	57	68	N	11,115	209	146	N
Fuel oil/kerosene	Q	Q	N	Q	Q	Q	N	Q	Q
Propane	0.8	6	Q	341	N	8,398	Q	453	N

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