

Data release date: June 2023
 Revised data release date: March 2024

Table CE4.20 Annual household end-use expenditures by fuel in the West—averages, 2020

	Number of housing units (million) Average energy expenditures ^a (dollars per household using the fuel and end use)																			
	Electricity								Natural gas				Propane				Fuel oil or kerosene			
	Total West ^b	Total	Total	Space heating ^c	Water heating	Air conditioning	Refrigerators	Other ^d	Total	Space heating ^c	Water heating	Other ^d	Total	Space heating ^c	Water heating	Other ^d	Total	Space heating ^c	Water heating	Other ^d
All homes	27.72	1,653	1,211	217	340	293	125	658	526	326	243	74	797	694	441	198	1,176	1,109	463	Q
Census division																				
Mountain	9.22	1,653	1,238	208	304	353	104	626	503	345	178	70	850	784	378	125	Q	Q	Q	Q
Mountain North	4.62	1,474	987	254	316	153	96	574	535	397	160	47	941	909	290	Q	Q	Q	Q	Q
Mountain South	4.60	1,833	1,491	170	296	531	111	678	463	271	203	89	768	620	435	151	Q	Q	Q	N
Pacific	18.51	1,653	1,197	221	360	256	136	673	536	315	273	76	766	630	484	233	1,344	1,286	501	Q
Census urban/rural classification^e																				
Urban	25.24	1,601	1,178	188	328	297	125	643	520	321	244	74	574	527	438	136	1,072	957	484	Q
Urbanized area	22.74	1,599	1,179	176	322	301	126	648	518	314	245	76	485	453	422	123	1,023	897	498	Q
Urban cluster	2.50	1,616	1,174	302	369	258	113	603	549	390	222	51	756	650	465	157	1,159	1,043	Q	Q
Rural	2.48	2,188	1,544	468	426	252	133	801	637	423	233	85	980	802	443	246	1,310	1,306	436	N
Climate region^f																				
Very cold and Cold	6.35	1,550	1,042	298	327	144	99	594	568	426	170	44	803	725	386	102	1,478	1,406	435	Q
Mixed-humid	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Mixed-dry and Hot-dry	14.03	1,742	1,317	122	296	396	141	710	475	251	246	85	828	717	470	197	Q	Q	Q	N
Hot-humid	0.47	2,058	1,911	111	543	638	225	953	625	Q	719	143	435	Q	585	157	N	N	N	N
Marine	6.87	1,540	1,102	304	379	124	111	588	610	383	307	64	783	568	452	374	Q	Q	Q	N
Housing unit type																				
Single-family detached	16.97	1,994	1,417	264	385	352	144	797	630	380	255	82	934	729	461	238	1,346	1,223	485	Q
Single-family attached	1.69	1,413	1,049	185	281	238	120	588	435	247	245	49	Q	Q	Q	Q	2,451	Q	Q	Q
Apartments in buildings with 2–4 units	1.89	1,079	848	159	341	199	92	412	322	127	208	101	Q	Q	Q	Q	Q	Q	Q	N
Apartments in buildings with 5 or more units	5.70	935	778	122	281	150	86	376	256	107	217	45	179	Q	Q	Q	Q	Q	Q	N
Mobile homes	1.47	1,520	1,168	322	338	272	105	538	388	254	194	33	699	719	387	129	Q	Q	Q	N
Ownership of housing unit																				
Owned	17.40	1,915	1,361	268	363	329	142	759	611	370	249	78	882	705	441	224	1,474	1,352	503	Q
Single-family	15.57	1,978	1,396	264	366	339	146	790	633	381	253	82	923	712	455	250	1,483	1,362	478	Q
Apartments	0.59	1,029	840	184	348	175	109	412	271	125	210	27	Q	Q	Q	Q	N	N	N	N
Mobile homes	1.24	1,545	1,178	336	344	268	105	539	405	248	194	34	718	706	394	133	Q	Q	Q	N
Rented ^g	10.33	1,213	958	152	316	225	98	486	356	199	231	65	470	617	440	75	698	534	441	N
Single-family	3.09	1,758	1,322	223	405	361	124	716	504	299	259	66	1,007	874	542	Q	1,027	844	Q	N
Apartments	7.00	966	791	127	291	159	86	383	274	112	215	67	170	Q	Q	Q	566	Q	Q	N
Mobile homes	0.24	1,394	1,112	235	310	296	107	530	318	290	191	27	Q	Q	Q	Q	Q	N	Q	N

Table CE4.20 Annual household end-use expenditures by fuel in the West—averages, 2020

	Number of housing units (million)																			
	Average energy expenditures ^a (dollars per household using the fuel and end use)																			
	Electricity					Natural gas					Propane					Fuel oil or kerosene				
Total West ^b	Total	Total	Space heating ^c	Water heating	Air conditioning	Refrigerators	Other ^d	Total	Space heating ^c	Water heating	Other ^d	Total	Space heating ^c	Water heating	Other ^d	Total	Space heating ^c	Water heating	Other ^d	
All homes	27.72	1,653	1,211	217	340	293	125	658	526	326	243	74	797	694	441	198	1,176	1,109	463	Q
Year of construction																				
Before 1950	3.27	1,522	1,028	231	314	214	119	566	574	397	258	65	689	829	Q	Q	934	835	Q	Q
1950 to 1959	2.73	1,589	1,103	192	355	292	133	602	513	323	234	69	Q	Q	Q	Q	Q	Q	Q	N
1960 to 1969	2.95	1,565	1,143	206	382	253	131	620	508	319	240	63	563	523	Q	109	Q	Q	Q	N
1970 to 1979	4.71	1,619	1,228	282	331	283	120	639	515	329	242	67	856	883	401	136	1,981	1,856	Q	N
1980 to 1989	3.95	1,702	1,285	217	333	325	127	695	476	294	230	76	935	712	446	335	1,984	1,726	460	Q
1990 to 1999	4.05	1,789	1,309	207	365	322	132	719	573	337	247	94	895	792	431	104	955	Q	Q	N
2000 to 2009	3.89	1,814	1,329	177	336	352	129	736	552	312	262	84	751	410	512	Q	1,076	1,242	567	N
2010 to 2015	1.16	1,590	1,210	180	364	259	113	673	489	288	238	80	326	Q	Q	Q	Q	Q	Q	N
2016 to 2020	1.02	1,390	1,082	159	272	217	101	585	431	272	192	71	417	Q	Q	Q	N	N	N	N
Total square footage^h																				
Less than 1,000	7.89	1,015	797	142	273	170	92	390	311	158	214	66	353	333	396	87	714	506	402	Q
1,000 to 1,499	6.53	1,512	1,151	219	376	264	118	604	449	262	237	49	680	620	548	153	1,127	1,040	Q	N
1,500 to 1,999	5.30	1,834	1,331	242	353	341	141	746	570	344	259	55	769	560	428	249	1,191	1,201	538	Q
2,000 to 2,499	3.34	2,103	1,511	307	429	340	143	851	633	385	246	80	897	815	388	127	1,384	1,315	Q	N
2,500 to 2,999	1.92	2,232	1,548	313	399	400	154	879	702	435	258	87	1,129	808	474	Q	Q	Q	Q	N
3,000 or more	2.74	2,522	1,712	292	397	431	166	994	839	501	272	157	1,249	881	459	Q	Q	Q	Q	N
Number of household members																				
1 member	7.23	1,106	794	188	183	197	99	397	390	284	170	56	714	631	339	233	1,256	1,052	331	Q
2 members	9.31	1,697	1,233	238	322	296	127	672	544	353	224	72	744	574	401	210	1,165	1,268	337	N
3 members	4.12	1,882	1,407	230	442	316	139	789	568	325	270	84	819	809	488	160	1,020	880	Q	Q
4 members	4.08	1,957	1,435	216	510	338	139	786	587	329	303	77	1,020	1,069	560	231	1,362	Q	Q	N
5 members	1.71	2,055	1,528	189	581	370	144	862	599	333	317	69	840	727	686	65	Q	Q	N	N
6 or more members	1.28	2,181	1,635	240	596	420	148	913	638	309	331	130	1,137	Q	Q	92	Q	Q	Q	N
2020 annual household income																				
Less than \$5,000	0.90	1,210	971	186	337	240	94	453	349	202	225	78	Q	Q	Q	Q	Q	Q	Q	N
\$5,000 to \$9,999	0.72	1,055	840	192	304	169	98	414	291	197	192	38	305	Q	Q	Q	Q	Q	N	N
\$10,000 to \$19,999	2.03	1,182	862	165	263	211	99	435	396	276	212	59	626	631	395	Q	Q	Q	N	N
\$20,000 to \$39,999	5.26	1,367	1,023	219	322	252	109	517	432	269	208	55	524	465	407	82	976	854	482	N
\$40,000 to \$59,999	4.32	1,513	1,124	216	343	272	119	582	471	302	222	52	794	818	420	114	793	Q	Q	Q
\$60,000 to \$99,999	6.30	1,699	1,257	232	347	290	130	682	532	333	248	62	890	737	473	127	1,819	1,717	330	Q
\$100,000 to \$149,999	4.06	1,887	1,364	236	383	314	137	783	566	342	253	68	968	928	493	224	Q	2,003	417	N
\$150,000 or more	4.13	2,298	1,609	218	380	406	158	951	739	418	303	133	1,151	652	462	640	1,597	1,388	Q	N
Payment method for energy bills																				
All paid by household	25.56	1,699	1,239	223	344	300	128	676	546	333	245	76	855	704	449	210	1,396	1,263	505	Q

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	Number of housing units (million) Average energy expenditures ^a (dollars per household using the fuel and end use)																			
	Electricity								Natural gas				Propane				Fuel oil or kerosene			
	Total West ^b	Total	Total	Space heating ^c	Water heating	Air conditioning	Refrigerators	Other ^d	Total	Space heating ^c	Water heating	Other ^d	Total	Space heating ^c	Water heating	Other ^d	Total	Space heating ^c	Water heating	Other ^d
All homes	27.72	1,653	1,211	217	340	293	125	658	526	326	243	74	797	694	441	198	1,176	1,109	463	Q
Some paid by household, some included in rent or condo fee	1.27	1,105	831	108	292	172	98	458	277	216	213	55	321	Q	343	Q	621	Q	Q	Q
All included in rent or condo fee	0.89	1,127	958	215	321	246	89	413	269	159	197	53	Q	N	Q	Q	Q	Q	Q	N
Some other method	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	N	Q	N	Q	Q	Q	N
Main heating fuel																				
Natural gas	16.13	1,759	1,159	81	323	299	134	730	598	331	239	77	Q	Q	Q	Q	Q	Q	Q	Q
Electricity	7.62	1,432	1,326	297	312	278	102	499	260	101	262	77	343	215	414	154	Q	Q	N	N
Fuel oil or kerosene	0.11	2,876	1,377	207	604	Q	124	842	Q	Q	Q	Q	143	N	Q	64	1,417	1,224	474	Q
Propane	0.72	2,752	1,464	141	538	256	152	888	Q	N	Q	Q	1,279	874	411	217	N	N	N	N
Wood	0.67	1,611	1,306	194	486	173	108	674	262	Q	Q	34	640	240	513	Q	Q	Q	Q	N
Some other fuel ^l	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Does not use heating equipment	2.47	1,277	1,087	N	407	352	134	595	255	N	255	51	473	N	581	112	Q	N	Q	Q

Data source: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Forms EIA-457A, D, E, F, G of the 2020 Residential Energy Consumption Survey

Notes: Because of rounding, data may not sum to totals. See RECS Terminology for definition of terms used in these tables.

^a Consumption and expenditures for biomass (wood), coal, district steam, and solar thermal are excluded.

^b 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.

^c Includes main (primary) and secondary space heating.

^d Includes end uses not shown in this table. A more detailed breakout of end uses is shown in the CE5 tables.

^e 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.

^f The Building America program, sponsored by the U.S. Department of Energy's Office of Energy Efficiency and Renewable Energy (EERE), created these climate regions. We combined climate regions for this publication. The Subarctic region is included with data for Very-cold and Cold.

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

^h 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 of the home is based on respondent reports. Previous RECS cycles calculated square footage based on interviewer measurements. For households that did not report an exact square footage estimate, the square footage of the home was imputed based on a reported square footage range and/or characteristics of the home. See 2020 RECS Square Footage Methodology for full details about data collection and processing.

ⁱ Some other fuel includes coal and district steam.

Q = Data withheld because either the relative standard error (RSE) was greater than 50% or fewer than 10 households in reporting sample.

N = No households in reporting sample.

Relative standard errors (RSEs) for Table CE4.20 Annual household end-use expenditures by fuel in the West—averages, 2020

	RSEs for average energy expenditures ^a																			
	RSEs for number of housing units																			
	Electricity					Natural gas					Propane					Fuel oil or kerosene				
	Total West ^b	Total	Space heating ^c	Water heating	Air conditioning	Refrigerators	Other ^d	Total	Space heating ^c	Water heating	Other ^d	Total	Space heating ^c	Water heating	Other ^d	Total	Space heating ^c	Water heating	Other ^d	
All homes	0.00	0.86	0.99	2.96	2.02	1.67	0.89	1.17	1.35	1.53	1.28	6.38	6.91	8.57	4.33	22.91	10.04	11.96	9.65	5.16
Census division																				
Mountain	0.00	1.12	1.38	4.75	2.83	2.08	1.25	1.67	1.32	1.74	1.44	9.75	7.60	9.53	7.51	22.34	26.38	81.91	31.49	0.00
Mountain North	0.00	1.53	1.90	5.49	4.61	3.34	1.84	2.06	1.56	1.72	2.17	16.68	10.76	11.70	7.27	54.79	43.77	45.95	25.54	0.00
Mountain South	0.00	1.65	1.85	6.36	4.04	2.35	1.54	2.44	2.14	3.15	2.13	11.13	13.14	18.77	8.79	24.26	0.00	0.00	0.00	0.00
Pacific	0.00	1.13	1.42	3.88	2.85	2.85	1.23	1.63	1.87	2.40	1.56	7.56	10.46	13.60	5.13	27.43	9.72	9.75	8.11	1.75
Census urban/rural classification^e																				
Urban	0.58	0.91	1.05	3.17	2.34	1.73	0.95	1.19	1.38	1.62	1.28	6.65	11.54	14.98	6.89	23.98	13.54	21.60	7.62	5.16
Urbanized area	0.81	0.98	1.12	3.86	2.65	1.78	1.07	1.24	1.53	1.82	1.29	6.89	17.50	22.93	8.37	28.80	21.06	41.16	7.74	0.00
Urban cluster	5.53	3.14	3.70	7.47	4.91	7.93	3.26	4.98	3.39	4.52	5.20	16.90	8.81	14.29	12.87	40.21	18.76	16.36	16.58	5.21
Rural	5.87	2.69	2.82	6.22	4.49	6.71	3.72	3.70	5.16	5.55	5.98	21.28	8.37	9.92	5.39	30.17	18.57	15.20	19.64	0.00
Climate region^f																				
Very cold and Cold	1.37	1.14	1.52	5.28	3.52	2.69	1.87	1.74	1.30	1.73	1.73	11.62	6.51	8.42	7.78	28.19	12.17	9.27	11.42	5.16
Mixed-humid	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mixed-dry and Hot-dry	1.21	1.49	1.60	6.06	4.14	2.03	1.51	1.84	2.29	3.00	1.83	8.18	12.54	18.86	5.69	30.61	0.00	0.00	0.00	0.00
Hot-humid	0.00	3.99	4.25	45.54	5.76	7.27	3.61	5.62	8.94	0.00	7.67	17.98	22.05	0.00	19.78	18.67	0.00	0.00	0.00	0.00
Marine	2.39	1.96	2.34	5.83	4.08	5.56	2.46	2.76	2.94	3.21	2.73	8.63	20.36	17.41	9.40	47.72	23.47	26.39	0.00	0.00
Housing unit type																				
Single-family detached	0.00	1.17	1.33	3.76	3.03	2.15	1.06	1.44	1.39	1.71	1.59	7.47	7.53	8.69	5.33	24.72	10.98	10.75	9.74	0.00
Single-family attached	0.00	3.15	3.76	9.71	7.42	6.40	3.25	4.56	3.87	6.38	3.35	10.34	29.35	284.53	15.61	86.61	17.80	19.14	14.90	1.75
Apartments in buildings with 2–4 units	0.00	3.82	4.19	9.72	7.21	10.62	5.23	5.67	8.98	8.59	5.67	33.19	81.98	0.00	75.24	47.05	35.27	240.10	36.14	0.00
Apartments in buildings with 5 or more units	0.00	1.79	2.47	7.36	5.03	4.21	2.31	3.00	3.14	4.89	2.99	15.02	23.18	10.59	20.45	36.52	21.66	81.73	6.30	0.00
Mobile homes	0.00	3.07	3.05	9.52	6.36	7.23	4.77	4.68	4.79	7.02	5.74	11.55	13.08	12.99	6.20	30.99	54.64	18.68	90.41	0.00
Ownership of housing unit																				
Owned	0.92	1.11	1.24	3.80	2.83	2.12	1.20	1.40	1.48	1.74	1.63	7.56	7.77	9.38	4.59	24.38	10.31	10.30	9.49	5.16
Single-family	0.90	1.14	1.29	4.37	3.26	2.20	1.18	1.47	1.45	1.76	1.68	7.69	8.63	10.18	5.60	26.21	11.32	11.33	8.57	5.16
Apartments	11.85	6.74	8.33	20.57	12.04	13.20	5.58	9.47	7.04	20.17	7.23	15.06	63.89	0.00	212.65	155.45	0.00	0.00	0.00	0.00
Mobile homes	3.65	3.39	3.20	10.49	6.54	8.72	5.28	4.92	6.24	8.58	6.56	13.38	13.14	13.57	5.64	31.03	8.40	18.68	0.00	0.00
Rented ^g	1.55	1.95	2.20	5.32	3.18	4.00	1.90	2.48	3.21	4.34	2.32	13.77	22.21	30.79	11.36	36.96	16.07	39.96	13.69	0.00
Single-family	4.55	2.98	3.55	9.32	5.90	5.53	2.98	4.21	4.12	4.48	3.45	19.34	19.54	25.25	10.43	52.70	35.55	30.83	29.05	0.00
Apartments	1.00	1.87	2.38	6.14	4.45	4.74	2.32	2.80	3.97	4.85	2.90	20.17	30.65	48.06	22.81	27.30	24.60	93.72	22.67	0.00
Mobile homes	19.20	10.49	11.72	19.95	27.28	18.00	11.77	15.64	13.38	15.43	8.29	25.50	55.07	19.31	101.14	92.47	0.00	0.00	0.00	0.00
Year of construction																				
Before 1950	0.00	3.67	4.14	10.40	8.97	8.30	3.80	4.47	4.85	5.33	4.85	13.36	36.02	22.50	16.57	77.79	19.34	16.68	33.57	0.00
1950 to 1959	0.00	3.05	3.74	11.66	7.32	6.79	4.05	3.88	3.96	4.82	3.32	22.67	38.07	35.54	67.73	52.33	38.15	44.56	13.48	0.00
1960 to 1969	0.00	3.62	3.92	13.61	7.93	7.07	4.46	4.47	4.56	5.65	4.23	13.49	26.12	38.96	21.78	45.33	41.79	21.62	51.25	0.00
1970 to 1979	0.00	2.50	2.82	6.09	4.82	4.37	2.62	3.25	3.35	3.85	3.66	15.20	15.69	17.44	10.70	27.83	18.43	17.43	20.79	0.00

Relative standard errors (RSEs) for Table CE4.20 Annual household end-use expenditures by fuel in the West—averages, 2020

	RSEs for number of housing units																			
	RSEs for average energy expenditures ^a																			
	Electricity					Natural gas					Propane					Fuel oil or kerosene				
Total West ^b	Total	Total	Space heating ^c	Water heating	Air conditioning	Refrigerators	Other ^d	Total	Space heating ^c	Water heating	Other ^d	Total	Space heating ^c	Water heating	Other ^d	Total	Space heating ^c	Water heating	Other ^d	
All homes	0.00	0.86	0.99	2.96	2.02	1.67	0.89	1.17	1.35	1.53	1.28	6.38	6.91	8.57	4.33	22.91	10.04	11.96	9.65	5.16
1980 to 1989	0.00	3.36	3.57	10.09	5.51	5.61	3.26	4.13	3.67	5.03	3.34	14.66	16.30	21.81	7.98	44.75	24.24	26.48	13.08	1.75
1990 to 1999	0.00	2.69	2.95	7.96	4.57	4.93	2.70	3.32	4.10	4.30	3.14	20.09	13.70	14.47	9.16	30.02	48.01	111.26	8.39	0.00
2000 to 2009	0.00	2.27	2.56	9.67	6.83	3.64	2.64	3.15	3.17	3.43	3.17	12.71	19.84	14.93	9.69	61.27	33.12	13.64	5.52	0.00
2010 to 2015	5.40	4.47	5.32	15.24	9.08	7.66	4.83	6.42	6.09	5.33	8.11	26.75	26.36	35.14	12.35	63.99	102.91	70.85	0.00	0.00
2016 to 2020	6.14	4.10	4.32	10.91	7.77	10.24	4.22	6.57	5.70	5.93	6.22	22.03	40.77	53.47	30.68	53.70	0.00	0.00	0.00	0.00
Total square footage^b																				
Less than 1,000	2.20	1.77	2.15	5.37	4.04	3.87	2.28	2.77	3.21	3.78	2.75	15.89	19.08	34.29	7.67	32.20	21.83	48.65	19.54	0.00
1,000 to 1,499	3.39	1.80	2.04	7.15	4.63	3.85	2.57	2.29	2.44	3.53	2.99	5.74	19.49	20.30	13.24	42.16	20.26	17.96	12.99	0.00
1,500 to 1,999	3.51	1.83	2.30	6.71	4.47	4.04	2.40	2.74	1.90	2.59	3.35	6.77	13.85	14.94	8.90	48.50	18.17	16.60	16.65	5.21
2,000 to 2,499	4.58	2.08	2.59	9.05	5.83	5.04	2.96	2.76	2.81	3.18	3.56	15.20	12.30	15.67	7.78	25.29	25.85	26.49	9.34	0.00
2,500 to 2,999	5.90	3.09	3.56	12.49	8.75	7.59	4.53	3.85	3.47	4.39	5.17	11.45	21.10	22.67	14.53	74.72	44.68	40.18	15.25	0.00
3,000 or more	4.59	2.97	3.62	11.93	7.54	7.12	3.37	3.45	3.43	3.70	4.05	17.17	18.63	17.06	12.81	51.46	28.02	29.22	24.38	0.00
Number of household members																				
1 member	3.10	2.04	2.40	5.82	3.75	3.76	2.17	2.78	3.68	3.61	2.71	19.66	18.55	19.51	9.66	49.57	16.52	22.39	9.59	5.21
2 members	2.87	1.58	2.02	5.12	3.89	3.74	2.27	2.11	1.96	2.41	1.87	9.17	11.10	10.35	6.15	39.79	21.01	17.94	15.67	0.00
3 members	5.32	2.53	2.81	9.08	4.89	4.56	2.93	2.72	3.52	4.55	3.43	13.00	21.44	28.40	11.34	43.57	34.79	31.20	34.36	0.00
4 members	4.26	2.41	2.67	8.36	4.53	4.63	3.31	3.01	3.08	4.28	3.27	11.97	16.93	22.13	10.62	35.38	48.99	79.87	21.63	0.00
5 members	6.30	4.07	4.35	11.85	9.01	8.08	4.23	4.92	5.34	6.64	5.63	10.68	21.47	35.83	10.26	27.30	60.58	60.58	0.00	0.00
6 or more members	8.85	4.18	4.64	19.80	8.66	7.26	3.65	5.60	8.06	9.78	6.28	33.32	27.84	22.92	14.93	27.58	63.57	24.21	29.01	0.00
2020 annual household income																				
Less than \$5,000	9.77	6.24	6.71	13.52	11.91	13.14	6.62	8.26	8.96	11.93	7.53	40.90	18.99	0.00	29.25	94.62	62.70	38.18	0.00	0.00
\$5,000 to \$9,999	14.97	6.94	8.71	20.99	17.61	11.36	7.29	10.80	8.13	11.76	7.25	32.11	38.07	63.33	28.75	24.47	0.00	0.00	0.00	0.00
\$10,000 to \$19,999	6.11	4.77	5.23	10.52	7.76	9.85	5.76	7.26	8.09	8.93	6.96	46.54	27.73	26.84	24.43	51.97	20.57	20.57	0.00	0.00
\$20,000 to \$39,999	3.64	2.34	2.95	7.44	6.40	4.50	3.10	3.04	3.05	4.82	2.95	16.99	11.68	16.87	11.33	30.13	14.42	16.14	15.98	0.00
\$40,000 to \$59,999	4.01	2.58	3.07	7.50	6.75	5.56	3.08	3.28	3.90	4.49	3.38	12.13	18.22	21.17	4.56	24.88	21.92	51.41	9.49	0.00
\$60,000 to \$99,999	2.99	2.02	2.03	5.98	4.56	3.49	2.43	2.47	2.38	3.30	2.78	10.27	11.28	13.87	8.49	27.84	11.93	13.19	9.81	1.75
\$100,000 to \$149,999	4.08	2.46	2.83	9.43	6.39	5.06	2.99	3.16	2.69	2.89	3.64	7.31	17.72	22.05	14.95	27.72	60.26	16.97	45.78	0.00
\$150,000 or more	4.34	2.41	3.01	11.26	5.84	5.28	2.78	2.83	3.01	3.26	2.78	13.17	21.98	22.21	12.45	40.79	28.58	29.08	18.53	0.00
Payment method for energy bills																				
All paid by household	0.50	0.96	1.08	3.22	2.15	1.79	0.97	1.25	1.39	1.58	1.38	6.58	7.51	8.76	4.56	23.34	9.90	9.62	8.69	5.21
Some paid by household, some included in rent or condo fee	8.83	5.10	5.50	13.85	10.18	10.65	5.26	7.39	9.63	13.64	6.19	19.33	45.48	125.25	22.22	39.53	35.40	30.72	34.99	0.00
All included in rent or condo fee	9.52	5.43	6.01	15.20	10.01	11.71	4.63	7.51	9.70	13.16	8.87	42.02	68.77	0.00	7.94	37.51	79.26	740.62	40.71	0.00
Some other method	63.98	23.41	64.46	0.00	0.00	162.71	59.50	41.11	57.52	25.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Main heating fuel																				
Natural gas	1.30	1.25	1.42	7.10	5.43	2.27	1.45	1.49	1.39	1.55	1.39	7.54	55.98	59.14	13.52	88.30	119.11	0.00	85.35	0.00
Electricity	2.75	1.96	1.97	3.22	2.72	3.69	2.24	2.94	4.59	25.94	3.62	12.87	12.92	19.50	10.19	23.75	0.00	0.00	0.00	0.00
Fuel oil or kerosene	17.12	6.97	7.92	29.05	12.75	78.77	9.12	10.51	54.19	0.00	0.00	96.00	33.28	0.00	35.69	18.00	10.03	12.81	7.12	0.00
Propane	10.97	5.41	5.90	20.77	10.01	12.26	7.63	7.18	89.92	0.00	0.00	64.69	8.02	8.31	6.75	34.16	0.00	0.00	0.00	0.00
Wood	12.40	7.72	8.24	14.67	7.79	27.47	10.20	10.49	41.80	23.28	62.09	36.00	19.92	45.01	7.30	57.16	53.29	56.62	45.12	0.00

Relative standard errors (RSEs) for Table CE4.20 Annual household end-use expenditures by fuel in the West—averages, 2020

RSEs for number of housing units	RSEs for average energy expenditures ^a																			
	Electricity								Natural gas				Propane				Fuel oil or kerosene			
	Total West ^b	Total	Space heating ^c	Water heating	Air condi- tioning	Refrig- erators	Other ^d	Total	Space heating ^c	Water heating	Other ^d	Total	Space heating ^c	Water heating	Other ^d	Total	Space heating ^c	Water heating	Other ^d	
All homes	0.00	0.86	0.99	2.96	2.02	1.67	0.89	1.17	1.35	1.53	1.28	6.38	6.91	8.57	4.33	22.91	10.04	11.96	9.65	5.16
Some other fuel ⁱ	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Does not use heating equipment	6.32	3.45	4.01	0.00	5.76	6.49	3.44	5.19	5.17	0.00	4.45	10.92	16.31	0.00	10.51	18.53	19.03	0.00	20.65	0.00

Data source: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Forms EIA-457A, D, E, F, G of the 2020 Residential Energy Consumption Survey

Notes: See RECS Terminology for definition of terms used in these tables.

^a Consumption and expenditures for biomass (wood), coal, district steam, and solar thermal are excluded.

^b 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.

^c Includes main (primary) and secondary space heating.

^d Includes end uses not shown in this table. A more detailed breakout of end uses is shown in the CE5 tables.

^e 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.

^f The Building America program, sponsored by the U.S. Department of Energy's Office of Energy Efficiency and Renewable Energy (EERE), created these climate regions. We combined climate regions for this publication. The Subarctic region is included with data for Very-cold and Cold.

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

^h 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 of the home is based on respondent reports. Previous RECS cycles calculated square footage based on interviewer measurements. For households that did not report an exact square footage estimate, the square footage of the home was imputed based on a reported square footage range and/or characteristics of the home. See 2020 RECS Square Footage Methodology for full details about data collection and processing.

ⁱ Some other fuel includes coal and district steam.