Table CE4.5 Annual household site end-use consumption by fuel in the West—totals, 2020

Number housing

units Total site energy consumption^a
(million) (trillion Btu)

		E	lectricity	/					Natural ga	ıs		F	Propane			F	uel oil or ke	erosene		
	Total			Space		Air condi	Refrig-	د		Space	Water	د د		Space	Water	ن		Space	Water	٠
	West ^b	Total	Total	heating ^c	heating	tioning	erators	Other	Total	heating ^c	heating	Other ^a	Total	heating ^c	heating	Other	Total h	eating	heating	Other
All homes	27.72	1,790	814	79	80	145	79	431	913	489	341	83	54	30	15	8	9	8	2	Q
Census division																				
Mountain	9.22	727	330	26	28	80	28	169	370	240	105	25	26	17	6	2	Q	Q	Q	Q
Mountain North	4.62	413	141	15	12	18	13	82	256	180	65	10	16	13	3	Q	Q	Q	Q	Q
Mountain South	4.60	314	189	11	16	62	14	87	115	60	40	15	10	5	4	1	Q	Q	Q	N
Pacific	18.51	1,063	484	52	52	65	52	262	542	250	235	57	28	13	9	6	8	7	1	Q
Census urban/rural classification ^e																				
Urban	25.24	1,584	710	59	66	134	71	380	852	452	324	77	17	8	6	2	5	4	1	Q
Urbanized area	22.74	1,417	635	49	56	123	64	343	770	399	298	73	10	4	4	1	3	2	1	Q
Urban cluster	2.50	167	75	10	10	11	7	38	83	53	26	4	7	4	2	Q	2	2	Q	Q
Rural	2.48	206	104	19	15	11	8	51	60	38	17	6	37	22	9	6	5	4	1	N
Climate region ^f																				
Very cold and Cold	6.35	548	199	27	21	22	18	111	317	225	80	11	25	18	6	2	7	6	1	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	815	405	16	25	110	41	213	389	154	178	57	20	9	7	4	Q	Q	Q	N
Hot-humid	0.47	14	13	*	2	3	1	6	1	Q	1	*	1	Q	*	*	N	N	N	N
Marine	6.87	413	197	35	32	11	18	100	206	110	82	14	8	3	3	2	Q	Q	Q	N
Housing unit type																				
Single-family detached	16.97	1,384	596	52	46	113	57	327	737	424	247	65	45	26	11	7	7	6	1	Q
Single-family attached	1.69	86	37	3	3	6	4	20	48	23	21	3	Q	Q	Q	Q	1	Q	Q	Q
Apartments in buildings with 2–4 units	1.89	68	36	4	7	5	4	17	31	9	16	7	Q	Q	Q	Q	Q	Q	Q	N
Apartments in buildings with 5 or	1.03										10		Q	Q	<u>Q</u>	Q	<u>Q</u>	-	Q	
more units	5.70	167	99	11	18	13	10	47	66	16	45	6	1	Q	Q	Q	Q	Q	Q	N
Mobile homes	1.47	85	46		6	8	4	20	32	18	12	2	7	3	3	1	Q	Q	Q	N
Ownership of housing unit																				
Owned Owned	17.40	1,362	590	55	47	110	58	321	718	414	241	62	47	27	13	8	7	6	1	Q
Single-family	15.57	1,272	541	46	40	102	53	300	684	398	226	60	40	23	10	 7	7	6	1	Q
Apartments	0.59	1,272	10		2	102	1	5	8	2	5	*	40 Q	23 Q	Q	, Q	/ N	0 N	N	N
Mobile homes	1.24	73	39		5	6	3	17	26	15	10	2	7	3	3	1	Q	Q	Q	N
Rented ^g	10.33	428	224	23	34	35	22	110	195	75	99	21	6	3	2	1	2	1	1	N N
Single-family	3.09	198	92		10	17	 8	48	101	75 49	42	9	4	3		Q	1	1	Q	N
Apartments	7.00	217	126		23	17	13	59	89	22	55	12	1	Q	1	Q	1	Q	Q	N
Mobile homes	0.24	13	7		23 1	1/	15	3	5	3	2	*	Q	Q	Q	Q Q	Q	N	Q	N N
Year of construction																				
Before 1950	3.27	204	79	10	9	9	8	42	120	71	40	9	3	3	Q	Q	1	1	Q	Q
1950 to 1959	2.73	177	73		6	13	8	38	101	54	38	9	Q	Q	Q	Q	Q	Q	Q	N
1950 to 1959 1960 to 1969	2.75	170	76		9	12	8	41	89	48	34	7	Q	3	Q	*	Q	Q	Q	N
1970 to 1979	4.71	283	138		15	23	13	68	135	72	53	10	9	5 6	2	1	2	Q 	Q	N
1980 to 1989	3.95	240	117	12	11	22	11	61	110	58	43	10	11	5	3	Q	2	2	*	Q
1990 to 1999	4.05	293	133	10	12	25	13	72	146	80	52	10	13	5 7	3 4	Q 1	1	1	Q	Q
1330 tO 1333	4.05	293	133	10	12		13	12	140	٥٥	52	14	13	/	4	T		т	ų.	IN

Table CE4.5 Annual household site end-use consumption by fuel in the West—totals, 2020

Number

housing

units Total site energy consumption^a

(million) (trillion Btu)

		E	lectricity	•					latural ga	ıs		<u>P</u>	ropane			F	uel oil or kerd	osene		
	Total West ^b	Total	Total	Space heating ^c	Water heating	Air condi- tioning	Refrig- erators	Other ^d	Total	Space heating ^c	Water heating	Other ^d	Total h	Space neating ^c	Water heating	Other ^d	S Total hea	pace iting ^c	Water heating	O ther ^d
All homes	27.72	1,790	814	79	80	145	79	431	913	489	341	83	54	30	15	8	9	8	2	Q
2000 to 2009	3.89	290	134	9	10	30	12	73	146	73	57	15	8	3	4	Q	1	1	Q	N
2010 to 2015	1.16	75	36	3	4	6	3	20	37	18	15	5	1	Q	Q	Q	Q	Q	Q	N
2016 to 2020	1.02	58	29	3	4	5	3	16	28	15	9	3	1	Q	Q	Q	N	N	N	N
Total square footage ^h																				
Less than 1,000	7.89	273	144	17	23	21	15	69	123	41	66	16	4	2	2	1	1	1	Q	Q
1,000 to 1,499	6.53	357	177	19	22	29	17	90	171	85	74	12	8	4	2	Q	1	1	Q	N
1,500 to 1,999	5.30	379	172	16	14	33	17	93	195	109	73	12	11	4	4	Q	2	1	Q	Q
2,000 to 2,499	3.34	277	122	13	10	21	11	67	139	83	45	11	13	9	3	1	2	2	Q	N
2,500 to 2,999	1.92	184	76		5	16	7	43	100	60	31	9	6	4	1	Q		Q	Q	N
3,000 or more	2.74	319	123	9	7	26	11	70	185	111	51	22	11	7	2	2	Q	Q	Q	N
Number of household members																				
1 member	7.23	315	139	19	14	23	16	67	162	96	54	12	12	7	3	2	2	2	*	Q
2 members	9.31	630	282	28	25	51	27	150	324	187	108	29	20	11	6	4	4	3	*	N
3 members	4.12	284	131	12	14	22	12	71	143	72	56	14	8	5	3	1	1	1	Q	Q
4 members	4.08	313	143	11	16	25	13	77	160	80	66	14	7	4	2	1	2	1	Q	N
5 members	1.71	138	67	5	7	13	6	37	68	32	31	5	3	1	1	*	Q	Q	N	N
6 or more members	1.28	111	52	4	5	10	4	29	55	22	25	8	2	Q	Q	*	Q	Q	Q	N
2020 annual household income																				
Less than \$5,000	0.90	39	21	3	4	3	2	9	17	7	8	2	Q	Q	Q	Q	Q	Q	Q	N
\$5,000 to \$9,999	0.72	28	15	2	2	2	2	7	12	5	6	1	1	Q	Q	Q	Q	Q	N	N
\$10,000 to \$19,999	2.03	94	44	5	6	7	5	21	47	23	20	4	4	2	1	Q	Q	Q	N	N
\$20,000 to \$39,999	5.26	287	135	15	15	25	13	66	142	75	57	11	7	4	2	1	2	2	*	N
\$40,000 to \$59,999	4.32	254	121	13	14	21	12	60	123	68	47	8	8	5	3	1	2	1	Q	Q
\$60,000 to \$99,999	6.30	413	192	19	19	34	19	102	203	113	76	14	15	9	5	1	2	2	*	Q
\$100,000 to \$149,999	4.06	308	135	10	11	24	13	76	162	91	58	13	9	5	2	2	2	1	*	N
\$150,000 or more	4.13	369	152	10	10	29	14	89	207	108	69	29	9	4	2	Q	1	1	Q	N
Payment method for energy bills																				
All paid by household	25.56	1,710	773	74	74	139	75	411	878	475	323	80	52	30	14	8	8	7	1	Q
Some paid by household, some																				
included in rent or condo fee	1.27	49	23	2	3	3	3	12	24	10	12	2	2	Q	1	Q	1	Q	Q	Q
All included in rent or condo fee	0.89	31	18	3	3	3	2	8	12	4	6	1	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	1,281	445	9	15	92	50	279	835	486	281	68	Q	Q	Q	Q	Q	Q	Q	Q
Electricity	7.62	320	266	66	48	38	19	96	48	2	35	10	6	1	3	2	Q	Q	N	N
Fuel oil or kerosene	0.11	12	3	*	1	Q	*	2	Q	Q	Q	Q	*	N	Q	*	8	7	1	Q
Propane	0.72	63	24	1	3	3	2	15	Q	N	Q	Q	38	27	8	3	N	N	N	N
Wood	0.67	34	24	3	6	2	2	12	2	Q	Q	*	7	Q	3	Q	Q	Q	Q	N
Some other fuel ⁱ	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	80	51	N	7	10	6	27	27	N	23	4	1	N	1	*	Q	N	Q	Q
											-				-					

Table CE4.5 Annual household site end-use consumption by fuel in the West—totals, 2020

Number of housing

units Total site energy consumption^a

(million) (trillion Btu)

		El	ectricity					!	Natural ga	ıs			Propane			1	Fuel oil or	kerosene		
	Total West ^b	Total	Total	Space heating ^c		Air condi- tioning	Refrig- erators	Other ^d	Total	Space heating ^c	Water heating	O ther ^d	Total	Space heating ^c	Water heating	Other ^d	Total	Space heating ^c	Water heating	Other ^d
All homes	27.72	1,790	814	79	80	145	79	431	913	489	341	83	54	30	15	8	9	8	2	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.

Rtu = British thermal units

a Consumption and expenditures for biomass (wood), coal, district steam, and solar thermal are excluded. Electricity consumption from on-site solar photovoltaic generation (that is, solar panels) is included.

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

¹The 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 Verycold and Cold .

⁸ 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.

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.

^{* =} Estimate is less than 0.5 and rounds to zero.

Table CE4.5 Annual household site end-use consumption by fuel in the West—totals, 2020

Number of housing units

(million) Total site energy consumption^a

	<u>E</u>	lectricity	(billion k	Wh)				latural ga	as (billion	cubic feet)		Propane (m	illion ga	llons)	F	uel oil or	kerosene	(million g	allons)
	Total West ^b		Space		Air condi	Refrig-	a., d		Space	Water	au d		Space	Water	a.ı d		Space	Water	a.ı d
	West	Total	heating ^c	heating	tioning	erators	Other ^d	Total	heating ^c	heating	Other ^d	Total	heating ^c	heating	Other ^d	Total	heating ^c	heating	Other ^d
All homes	27.72	239	23	24	42	23	126	946	514	348	84	586	328	167	91	68	55	12	Q
Census division																			
Mountain	9.22	97	8	8	23	8	49	414	270	117	28	280	189	69	22	Q	Q	Q	Q
Mountain North	4.62	41	4	4	5	4	24	288	203	73	11	175	139	28	Q	Q	Q	Q	Q
Mountain South	4.60	56	3	5	18	4	26	127	67	44	16	106	50	41	14	Q	Q	Q	N
Pacific	18.51	142	15	15	19	15	77	532	244	231	57	305	139	98	69	60	52	8	Q
Census urban/rural classification ^e																			
Urban	25.24	208	17	19	39	21	111	881	473	330	78	181	92	63	27	35	26	7	Q
Urbanized area	22.74	186	14	16	36	19	100	791	415	303	73	105	49	41	15	21	14	6	
Urban cluster	2.50	22	3	3	3	2	11	89	58	27	4	76	43	22	Q	14	12	Q	Q
Rural	2.48	30	6	4	3	2	15	65	41	18	7	404	237	104	64	33	28	5	
Climate region ^f																			
Very cold and Cold	6.35	58	8	6	6	5	33	354	251	89	13	273	194	61	17	51	43	8	Q
Mixed-humid	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	119	5	7	32	12	62	394	157	179	57	221	99	73	49	Q	Q	Q	N
Hot-humid	0.47	4	*	1	1	*	2	1	Q	1	*	6	Q	4	2	N	N	N	N
Marine	6.87	58	10	10	3	5	29	198	105	79	14	86	35	29	23	Q	Q	Q	N
Housing unit type																			
Single-family detached	16.97	175	15	14	33	17	96	764	444	253	66	487	286	123	78	50	45	5	Q
Single-family attached	1.69	11	1	1	2	1	6	50	25	22	3	Q	Q	Q	Q	5	Q	Q	Q
Apartments in buildings with 2–4 units	1.89	11	1	2	1	1	5	31	9	16	6	Q	Q	Q	Q	Q	Q	Q	N
Apartments in buildings with 5 or			-	-	-	-													
more units	5.70	29	3	5	4	3	14	68	16	45	6	14	Q	Q	Q	Q	Q	Q	N
Mobile homes	1.47	13	3	2	2	1	6	34	19	12	2	78	38	30	11	Q	Q	Q	
Ownership of housing unit																			
Owned	17.40	173	16	14	32	17	94	745	435	247	63	518	293	140	85	52	47	4	Q
Single-family	15.57	159	14	12	30	16	88	710	417	232	61	440	256	111	74	48	43	4	Q
Apartments	0.59	3	*	*	*	*	1	8	2	5	*	Q	Q	Q	Q	N	N	N	N
Mobile homes	1.24	11	2	1	2	1	5	28	16	10	2	75	37	28	11	Q	Q	Q	
Rented ^g	10.33	66	7	10	10	6	32	201	79	101	21	67	35	27	6	16	8	7	N
Single-family	3.09	27		3	5	2	14	104	52	43	9	49	31	14		7	6	 Q	N
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Table CE4.5 Annual household site end-use consumption by fuel in the West—totals, 2020

Number of housing units

(million) Total site energy consumption^a

	<u>E</u>	lectricity	/ (billion k\	Wh)			<u>P</u>	Natural ga	as (billion	cubic feet)		Propane (million ga	llons)		Fuel oil o	r kerosene	(million g	allons)
	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	27.72	239	23	24	42	23	126	946	514	348	84	586	328	167	91	68	55	12	Q
Apartments	7.00	37	4	7	5	4	17	91	24	56	12	16	Q	Q	Q	7	Q	Q	N
Mobile homes	0.24	2	*	*	*	*	1	6	4	2	*	Q	Q	Q	Q	Q	N	Q	N
Year of construction																			
Before 1950	3.27	23	3	3	3	2	12	121	72	40	9	38	28	Q	Q	9	8	Q	Q
1950 to 1959	2.73	21	2	2	4	2	11	103	56	38	9	Q	Q	Q	Q	Q	Q	Q	N
1960 to 1969	2.95	22	2	3	3	2	12	91	50	34	7	47	33	Q	4	Q	Q	Q	N
1970 to 1979	4.71	40	6	4	7	4	20	140	76	54	10	96	66	22	8	13	12	Q	N
1980 to 1989	3.95	34	3	3	6	3	18	115	61	44	10	124	56	33	Q	14	11	2	Q
1990 to 1999	4.05	39	3	4	7	4	21	153	85	54	14	139	79	47	13	7	4	Q	N
2000 to 2009	3.89	39	3	3	9	4	21	153	78	59	16	88	33	40	Q	10	6	Q	N
2010 to 2015	1.16	11	1	1	2	1	6	39	19	15	5	12	Q	Q	Q	Q	Q	Q	N
2016 to 2020	1.02	9	1	1	1	1	5	30	16	10	4	7	Q	Q	Q	N	N	N	N
Total square footage ^h																			
Less than 1,000	7.89	42	5	7	6	5	20	126	43	67	16	44	17	21	7	11	6	Q	Q
1,000 to 1,499	6.53	52	6	6	9	5	26	176	88	75	12	82	44	27	Q	11	10	Q	N
1,500 to 1,999	5.30	50	5	4	10	5	27	201	114	74	13	120	44	45	Q	15	11	Q	Q
2,000 to 2,499	3.34	36	4	3	6	3	20	144	86	46	12	147	100	34	12	17	16	Q	N
2,500 to 2,999	1.92	22	2	1	5	2	12	105	63	32	9	70	47	16	Q	Q	Q	Q	N
3,000 or more	2.74	36	3	2	7	3	20	195	119	53	23	123	77	24	22	Q	Q	Q	N
Number of household members																			
1 member	7.23	41	5	4	7	5	20	169	101	55	12	130	75	31	23	14	11	2	Q
2 members	9.31	83	8	7	15	8	44	338	198	111	30	223	123	61	39	26	23	3	N
3 members	4.12	38	4	4	6	4	21	147	75	57	15	93	51	28	13	7	6	Q	Q
4 members	4.08	42	3	5	7	4	23	165	84	67	14	82	45	24	13	12	9	Q	N
5 members	1.71	20	1	2	4	2	11	70	33	31	5	32	15	16	1	Q	Q	N	N
6 or more members	1.28	15	1	1	3	1	8	57	23	26	8	26	Q	Q	2	Q	Q	Q	N
2020 annual household income																			
Less than \$5,000	0.90	6	1	1	1	1	3	17	7	8	2	Q	Q	Q	Q	Q	Q	Q	N
\$5,000 to \$9,999	0.72	4	1	1	1	*	2	12	5	6	1	9	Q	Q	Q	Q	Q	N	N
\$10,000 to \$19,999	2.03	13	2	2	2	1	6	48	24	20	4	41	27	11	Q	Q	Q	N	N
\$20,000 to \$39,999	5.26	40	4	4	7	4	19	148	79	58	11	74	42	24	7	17	15	2	N
\$40,000 to \$59,999	4.32	35	4	4	6	3	18	128	71	48	9	93	56	27	9	14	9	Q	Q
\$60,000 to \$99,999	6.30	56	6	5	10	5	30	211	119	78	14	165	101	51	13	16	14	1	Q
\$100,000 to \$149,999	4.06	39	3	3	7	4	22	169	96	59	14	97	58	22	18	12	10	3	N

Table CE4.5 Annual household site end-use consumption by fuel in the West—totals, 2020

Number of housing units

(million) Total site energy consumption^a

	<u> </u>	lectricity	(billion k\	Wh)				Natural ga	as (billion	cubic feet)		Propane (million ga	llons)		Fuel oil or	r kerosene	(million ga	allons)
	Total West ^b	Total	Space heating ^c	Water heating	Air condi- tioning	•	Other ^d	Total	Space heating ^c		Other ^d	^l Total	Space heating ^c		Other ^d	Total	Space heating ^c		Other ^d
All homes	27.72	239	23	24	42	23	126	946	514	348	84	586	328	167	91	. 68	55	12	Q
\$150,000 or more	4.13	45	3	3	9	4	26	211	112	70	30		39	23	Q	. 6	5	Q	N
Payment method for energy bills																			
All paid by household	25.56	227	22	22	41	22	120	909	499	329	81	564	324	152	88	58	52	6	Q
Some paid by household, some																			
included in rent or condo fee	1.27	7	1	1	1	1	4	24	10	12	2	17	Q	11	Q	. 6	Q	Q	Q
All included in rent or condo fee	0.89	5	1	1	1	*	2	12	5	6	1	. Q	N	Q	Q	Q	Q	Q	N
Some other method	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	130	3	4	27	15	82	868	511	288	69		Q	Q	Q			Q	Q
Electricity	7.62	78	19	14	11	6	28	48	2	35	10		16	31	17	Q		N	N
Fuel oil or kerosene	0.11	1	*	*	Q	*	1	Q	Q	Q	Q	1	N	Q	*	60	52	8	Q
Propane	0.72	7	*	1	1	1	4	Q	N	Q	Q		299	84	35	N	N	N	N
Wood	0.67	7	1	2	*	1	4	2	Q	Q	*		Q	35	Q	Q	Q	Q	N
Some other fuel ⁱ	N	N	N	N	N	N	N	N	N	N	N		N		N			N	N
Does not use heating equipment	2.47	15	N	2	3	2	8	27	N	23	4	. 15	N		4	Q		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. kWh = kilowatthours

^a Consumption and expenditures for biomass (wood), coal, district steam, and solar thermal are excluded. Electricity consumption from on-site solar photovoltaic generation (that is, solar panels) is included.

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.

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.

^{* =} Estimate is less than 0.5 and rounds to zero.

Relative standard errors (RSEs) for Table CE4.5 Annual household site end-use consumption by fuel in the West—totals, 2020

RSEs for number of housing

units RSEs for total site energy consumption^a

Mountain		Electricity								Natural ga	s		F	Propane				Fuel oil or	kerosene		
Part		Takal			C						C				C				C		
Mountain			Total	Total				•	Other ^d	Total	•		Other ^d	Total	•		Other ^d	Total			Other ^d
Mountain 0.0	All homes	0.00	0.74	0.80	3.38	2.68	1.62	0.76	0.98	1.22	1.64	1.48	6.23	9.27	11.22	9.92	24.69	12.40	12.75	28.03	69.71
Mountain North 0,0	Census division																				
Mountain south	Mountain	0.00	1.03	1.42	5.57	4.31	2.28	1.14	1.64	1.76	2.24	1.84	10.71	13.49	15.92	13.76	26.89	41.67	50.07	66.30	16.66
Pacific Paci	Mountain North	0.00	1.40	1.76	6.65	6.42	3.27	1.76	1.86	2.14	2.48	2.45	17.16	19.73	20.67	21.92	55.69	42.33	51.38	72.52	16.66
Chesis subshr/ural classification* Chesis su	Mountain South	0.00	1.70	1.94	6.83	5.70	2.49	1.46	2.54	3.56	4.58	3.42	13.83	18.86	25.36	18.06	29.74	20.25	20.25	20.25	0.00
Use of Market Anne 1988 106 107 107 108 138 129 1174 109 129 1414 108 118 118 109 129 1414 118 118 118 118 118 118 118 118 11	Pacific	0.00	1.09	1.16	4.39	3.09	2.77	1.12	1.34	2.00	2.83	2.09	7.33	13.80	17.00	13.71	30.47	13.15	13.53	31.01	75.08
Use Design Use	Census urban/rural classification ^e																				
Urban duster	Urban	0.58	1.06	1.06	3.43	2.93	1.74	1.09	1.24	1.40	1.83	1.58	6.46	15.36	19.42	16.76	28.83	19.45	20.99	41.84	69.71
Name	Urbanized area	0.81	1.31	1.23	4.02	3.61	1.77	1.30	1.43	1.73	2.24	1.68	6.71	19.18	26.31	18.76	31.66	27.93	30.95	47.36	28.98
Very Colland Cold																					81.44
Very cold and Cold 1.37 1.38 2.04 6.97 5.45 2.97 2.06 1.83 1.81 2.21 1.91 12.37 1.35 1.507 1.52 1.516 1.507 1.70 1.7	Rural	5.87	6.00	6.27	9.27	8.83	8.78	6.48	6.55	9.29	9.38	9.61	27.42	11.84	14.27	11.47	33.57	15.16	16.33	23.89	0.00
Mixed-hunid	Climate region ^f																				
Mixed-dry and Hot-dry 1.21 1.65 1.53 6.07 6.00 1.88 1.71 1.76 2.31 3.40 2.24 8.03 1.52 1.515 1.586 3.79 2.25 2.025 2.025 2.025 0.00 0	Very cold and Cold	1.37	1.33	2.04	6.97	5.45	2.97	2.06	1.83	1.81	2.21	1.91	12.37	13.54	15.07	16.24	31.58	11.77	11.87	17.91	69.71
Hot-humid 0.00 3.62 4.13 4.73 5.67 8.60 3.18 5.07 15.07 14.28 16.77 23.59 24.59 15.58 2.79 28.54 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	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
Marine 2.3 2.6 2.5 5.7 5	Mixed-dry and Hot-dry	1.21	1.65	1.53	6.07	6.00	1.88	1.71	1.76	2.31	3.40	2.24	8.03	15.25	19.15	15.86	37.95	20.25	20.25	20.25	0.00
Mousing unit type	Hot-humid	0.00	3.62	4.13	47.35	6.72	8.60	3.18	5.07	15.07	14.28	16.77	23.59	24.59	15.58	29.79	28.54	0.00	0.00	0.00	0.00
Single-family detached 0.00 0.92 1.00 4.52 4.01 1.88 0.89 1.11 1.41 1.82 1.73 7.42 10.54 12.43 11.10 27.12 14.79 15.35 19.44 16.66 Single-family attached 0.00 2.71 3.25 11.17 10.40 7.48 2.47 3.37 4.39 5.94 5.99 10.17 64.41 10.25 82.03 61.08 40.90 43.14 40.58 75.08 40.00 40.00 43.14 40.58 75.08 40.00	Marine	2.39	2.62	2.57	5.78	4.19	5.16	2.96	3.08	3.92	4.55	4.37	10.17	23.25	28.09	21.20	49.07	38.60	43.01	20.14	0.00
Single-family detached 0.00 0.92 1.00 4.52 4.01 1.88 0.89 1.11 1.41 1.82 1.73 7.42 10.54 12.43 11.10 27.12 14.79 15.35 19.44 16.66 Single-family attached 0.00 2.71 3.25 11.17 10.40 7.48 2.47 3.37 4.39 5.94 5.99 10.17 64.41 10.25 82.03 61.08 40.90 43.14 40.58 75.08 40.00 40.00 43.14 40.58 75.08 40.00	Housing unit type																				
Single-family attached 0.00 2.71 3.25 11.17 10.40 7.48 2.47 3.37 4.39 5.94 5.09 10.17 6.44 10.25 82.03 61.08 40.90 43.14 40.58 75.08 40.50		0.00	0.92	1.00	4 52	4 01	1 88	0.89	1 11	1 41	1 82	1 73	7 42	10 54	12 43	11 10	27 12	14 79	15 35	19 44	16 66
Apartments in buildings with 2-4 units 0.00 4.11 4.12 11.35 11.84 9.62 5.04 4.51 10.11 12.50 9.35 31.12 79.73 19.59 91.74 48.68 52.82 53.17 68.43 0.00 Apartments in buildings with 5 or more units 0.00 1.75 2.36 7.66 7.15 4.63 1.95 2.95 4.97 6.61 6.00 16.36 35.02 65.35 42.75 51.04 59.09 59.07 64.08 0.00 Mobile homes 0.00 3.12 3.86 10.52 10.11 7.98 4.11 4.15 7.43 9.30 7.69 15.30 17.80 26.16 17.41 34.12 58.22 75.88 93.27 0.00 Mobile homes 0.00 3.12 3.86 10.52 10.11 7.98 4.11 4.15 7.43 9.30 7.69 15.30 17.80 26.16 17.41 34.12 58.22 75.88 93.27 0.00 More ship of housing unit 1.25 1.25 1.25 1.25 1.25 1.25 1.25 1.25																					
Apartments in buildings with 5 or more units 0.00 1.75 2.36 7.66 7.15 4.63 1.95 2.95 4.97 6.61 6.00 16.36 35.02 65.35 42.75 51.04 59.09 59.07 64.08 0.00 Mobile homes 0.00 3.12 3.86 10.52 10.11 7.98 4.11 4.15 7.43 9.30 7.69 15.30 17.80 26.16 17.41 34.12 58.22 75.88 93.27 0.00 Mobile homes 0.00 3.12 3.86 10.52 10.11 7.98 4.11 4.15 7.43 9.30 7.69 15.30 17.80 26.16 17.41 34.12 58.22 75.88 93.27 0.00 Mobile homes 0.02 1.26 1.28 4.17 3.35 2.27 1.25 1.50 1.68 1.99 1.99 7.58 10.10 12.27 9.96 26.22 13.90 14.42 19.91 69.71 Apartments 11.85 11.64 12.55 31.70 3.36 2.31 1.32 1.32 1.52 1.50 1.68 1.99 1.99 7.58 10.10 12.27 9.96 26.22 13.90 14.42 19.91 69.71 Apartments 11.85 11.64 12.55 31.70 3.70 16.95 10.96 11.54 17.30 27.24 18.43 30.95 78.71 17.11 80.92 77.40 0.00 0.00 0.00 0.00 Mobile homes 3.65 4.64 4.94 11.35 10.24 10.79 5.16 5.22 9.33 11.31 9.97 18.76 18.59 26.91 17.68 34.34 72.21 75.88 20.73 0.00 Rented 1.55 3.04 2.93 6.59 4.79 5.52 2.40 3.15 4.29 5.95 4.29 13.34 24.09 31.47 27.97 39.48 24.67 27.43 39.85 0.00 5.00 5.00 5.00 5.00 5.00 5.00 5	on Bre raining accounts																				75.00
more units 0.00 1.75 2.36 7.66 7.15 4.63 1.95 2.95 4.97 6.61 6.00 16.36 35.02 65.35 42.75 51.04 59.09 59.07 64.08 0.00 Mobile homes 0.00 3.12 3.86 10.52 10.11 7.98 4.11 4.15 7.43 9.30 7.69 15.30 17.80 26.16 17.41 34.12 58.22 75.88 93.27 0.00 Owned 0.92 1.26 1.28 4.17 3.35 2.27 1.25 1.50 1.68 1.99 1.99 7.58 10.10 12.27 9.96 26.22 13.90 14.42 19.91 69.71 Single-family 0.90 1.36 1.41 4.83 3.63 2.31 1.32 1.62 1.75 2.00 2.12 7.82 11.41 13.58 1.63 18.42 19.91 69.71 Apartments 1.165 3.64 4.94	Apartments in buildings with 2–4 units	0.00	4.11	4.12	11.35	11.84	9.62	5.04	4.51	10.11	12.50	9.35	31.12	79.73	19.59	91.74	48.68	52.82	53.17	68.43	0.00
Mobile homes 0.00 3.12 3.86 10.52 10.11 7.98 4.11 4.15 7.43 9.30 7.69 15.30 17.80 26.16 17.41 34.12 58.22 75.88 93.27 0.00 Cownership of housing unit Owned 0.92 1.26 1.28 4.17 3.35 2.27 1.25 1.50 1.68 1.99 1.99 7.58 10.10 12.27 9.96 26.22 13.90 14.42 19.91 69.71 Single-family 0.90 1.36 1.41 4.83 3.63 2.31 1.32 1.62 1.75 2.00 2.12 7.82 11.41 13.58 11.63 18.44 15.27 20.54 69.71 Apartments 11.85 11.64 12.55 31.70 23.70 16.95 10.96 11.54 17.30 27.24 18.43 30.95 78.71 17.11 80.92 72.40 0.00 0.00 0.00 0.00 0.00 10.00	Apartments in buildings with 5 or																				
Ownership of housing unit Owned 0.92 1.26 1.28 4.17 3.35 2.27 1.25 1.50 1.68 1.99 1.99 7.58 10.10 12.27 9.96 26.22 13.90 14.42 19.91 69.71 Single-family 0.90 1.36 1.41 4.83 3.63 2.31 1.32 1.62 1.75 2.00 2.12 7.82 11.41 13.58 11.63 28.18 14.74 15.27 20.54 69.71 Apartments 11.85 11.64 12.55 31.70 23.70 16.95 10.96 11.54 17.30 27.24 18.43 30.95 78.71 17.11 80.92 72.40 0.00 0.00 0.00 Mobile homes 3.65 4.64 4.94 11.35 10.24 10.79 5.16 5.22 9.33 11.31 9.97 18.76 18.59 26.91 17.68 34.34 72.21 75.88 20.73 0.00 Rented ^g 1.55 3.04 2.93 6.59 4.79 5.52 2.40 3.15 4.29 5.95 4.29 13.34 24.09 31.47 27.97 39.48 24.67 27.43 39.85 0.00 Single-family 4.55 6.25 5.94 12.11 9.62 8.60 5.55 6.62 7.77 8.27 7.41 21.98 28.97 32.55 37.37 55.54 33.36 35.60 38.79 0.00 Apartments 1.00 1.89 2.40 6.71 6.26 5.15 2.29 2.58 4.55 6.14 5.29 18.67 31.87 60.14 43.23 39.72 41.02 39.30 53.98 0.00 Mobile homes 19.20 18.65 21.97 36.98 33.09 28.73 21.67 22.81 21.00 25.08 27.39 31.61 63.23 75.38 92.14 71.95 20.14 0.00 20.14 0.00 Vear of construction Before 1950 0.00 3.36 3.86 10.98 9.74 7.47 3.22 3.91 4.59 5.57 5.91 13.77 36.62 36.65 57.32 72.16 30.61 31.26 71.61 16.66 1950 to 1959 0.00 2.41 3.29 13.98 14.06 6.42 3.09 34.2 3.75 4.98 4.54 19.92 48.86 55.21 58.05 58.76 44.40 47.72 72.19 0.00	more units	0.00	1.75	2.36	7.66	7.15	4.63	1.95	2.95	4.97	6.61	6.00	16.36		65.35		51.04	59.09	59.07	64.08	0.00
Owned 0.92 1.26 1.28 4.17 3.35 2.27 1.25 1.50 1.68 1.99 1.99 7.58 10.10 12.27 9.96 26.22 13.90 14.42 19.91 69.71 Single-family 0.90 1.36 1.41 4.83 3.63 2.31 1.32 1.62 1.75 2.00 2.12 7.82 11.41 13.58 11.63 28.18 14.74 15.27 20.54 69.71 Apartments 11.85 11.64 12.55 31.70 23.70 16.95 10.96 11.54 17.30 27.24 18.43 30.95 78.71 17.11 80.92 72.40 0.00 0.00 0.00 0.00 Mobile homes 3.65 4.64 4.94 11.35 10.24 10.79 5.16 5.22 9.33 11.31 9.97 18.76 18.59 26.91 17.68 34.34 72.21 75.88 20.73 0.00 Rented ⁸ 1.55 3.04 2.93 6.59 4.79 5.52 2.40 3.15 4.29 5.95 4.29 13.34 24.09 31.47 27.97 39.48 24.67 27.43 39.85 0.00 Single-family 4.55 6.25 5.94 12.11 9.62 8.60 5.55 6.62 7.77 8.27 7.41 21.98 28.97 32.55 37.37 55.54 33.36 35.60 38.79 0.00 Apartments 1.00 1.89 2.40 6.71 6.26 5.15 2.29 2.58 4.55 6.14 5.29 18.67 31.87 60.14 43.23 39.72 41.02 39.30 53.98 0.00 Mobile homes 19.20 18.65 21.97 36.98 33.09 28.73 21.67 22.81 21.00 25.08 27.39 31.61 63.23 75.38 92.14 71.95 20.14 0.00 2	Mobile homes	0.00	3.12	3.86	10.52	10.11	7.98	4.11	4.15	7.43	9.30	7.69	15.30	17.80	26.16	17.41	34.12	58.22	75.88	93.27	0.00
Single-family 0.90 1.36 1.41 4.83 3.63 2.31 1.32 1.62 1.75 2.00 2.12 7.82 11.41 13.58 11.63 28.18 14.74 15.27 20.54 69.71 Apartments 11.85 11.64 12.55 31.70 23.70 16.95 10.96 11.54 17.30 27.24 18.43 30.95 78.71 17.11 80.92 72.40 0.00 0.00 0.00 0.00 Mobile homes 3.65 4.64 4.94 11.35 10.24 10.79 5.16 5.22 9.33 11.31 9.97 18.76 18.59 26.91 17.68 34.34 72.21 75.88 20.73 0.00 Rented [®] 1.55 3.04 2.93 6.59 4.79 5.52 2.40 3.15 4.29 5.95 4.29 13.34 24.09 31.47 27.97 39.48 24.67 27.43 39.85 0.00 Apartments <td< td=""><td>Ownership of housing unit</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	Ownership of housing unit																				
Apartments 11.85 11.64 12.55 31.70 23.70 16.95 10.96 11.54 17.30 27.24 18.43 30.95 78.71 17.11 80.92 72.40 0.00 0.00 0.00 0.00 0.00 Mobile homes 3.65 4.64 4.94 11.35 10.24 10.79 5.16 5.22 9.33 11.31 9.97 18.76 18.59 26.91 17.68 34.34 72.21 75.88 20.73 0.00 Rented [®] 1.55 3.04 2.93 6.59 4.79 5.52 2.40 3.15 4.29 5.95 4.29 13.34 24.09 31.47 27.97 39.48 24.67 27.43 39.85 0.00 Single-family 4.55 6.25 5.94 12.11 9.62 8.60 5.55 6.62 7.77 8.27 7.41 21.98 28.97 32.55 37.37 55.54 33.36 35.60 38.79 0.00 Apartments 1.00 1.89 2.40 6.71 6.26 5.15 2.29 2.58 4.55 6.14 5.29 18.67 31.87 60.14 43.23 39.72 41.02 39.30 53.98 0.00 Mobile homes 19.20 18.65 21.97 36.98 33.09 28.73 21.67 22.81 21.00 25.08 27.39 31.61 63.23 75.38 92.14 71.95 20.14 0.00	Owned	0.92	1.26	1.28	4.17	3.35	2.27	1.25	1.50	1.68	1.99	1.99	7.58	10.10	12.27	9.96	26.22	13.90	14.42	19.91	69.71
Mobile homes 3.65 4.64 4.94 11.35 10.24 10.79 5.16 5.22 9.33 11.31 9.97 18.76 18.59 26.91 17.68 34.34 72.21 75.88 20.73 0.00 Rented [®] 1.55 3.04 2.93 6.59 4.79 5.52 2.40 3.15 4.29 5.95 4.29 13.34 24.09 31.47 27.97 39.48 24.67 27.43 39.85 0.00 Single-family 4.55 6.25 5.94 12.11 9.62 8.60 5.55 6.62 7.77 8.27 7.41 21.98 28.97 32.55 37.37 55.54 33.36 35.60 38.79 0.00 Apartments 1.00 1.89 2.40 6.71 6.26 5.15 2.29 2.58 4.55 6.14 5.29 18.67 31.87 60.14 43.23 39.72 41.02 39.30 53.98 0.00 Mobile homes 19.20 18.65 21.97 36.98 33.09 28.73 21.67 22.81 21.00 25.08 27.39 31.61 63.23 75.38 92.14 71.95 20.14 0.00	Single-family	0.90	1.36	1.41	4.83	3.63	2.31	1.32	1.62	1.75	2.00	2.12	7.82	11.41	13.58	11.63	28.18	14.74	15.27	20.54	69.71
Rented ^g 1.55 3.04 2.93 6.59 4.79 5.52 2.40 3.15 4.29 5.95 4.29 13.34 24.09 31.47 27.97 39.48 24.67 27.43 39.85 0.00 Single-family 4.55 6.25 5.94 12.11 9.62 8.60 5.55 6.62 7.77 8.27 7.41 21.98 28.97 32.55 37.37 55.54 33.36 35.60 38.79 0.00 Apartments 1.00 1.89 2.40 6.71 6.26 5.15 2.29 2.58 4.55 6.14 5.29 18.67 31.87 60.14 43.23 39.72 41.02 39.30 53.98 0.00 Mobile homes 19.20 18.65 21.97 36.98 33.09 28.73 21.67 22.81 21.00 25.08 27.39 31.61 63.23 75.38 92.14 71.95 20.14 0.00 20.1	Apartments	11.85	11.64	12.55	31.70	23.70	16.95	10.96	11.54	17.30	27.24	18.43	30.95	78.71	17.11	80.92	72.40	0.00	0.00	0.00	0.00
Single-family 4.55 6.25 5.94 12.11 9.62 8.60 5.55 6.62 7.77 8.27 7.41 21.98 28.97 32.55 37.37 55.54 33.36 35.60 38.79 0.00 Apartments 1.00 1.89 2.40 6.71 6.26 5.15 2.29 2.58 4.55 6.14 5.29 18.67 31.87 60.14 43.23 39.72 41.02 39.30 53.98 0.00 Mobile homes 19.20 18.65 21.97 36.98 33.09 28.73 21.67 22.81 21.00 25.08 27.39 31.61 63.23 75.38 92.14 71.95 20.14 0.00 2	Mobile homes	3.65	4.64	4.94	11.35	10.24	10.79	5.16	5.22	9.33	11.31	9.97	18.76	18.59	26.91	17.68	34.34	72.21	75.88	20.73	0.00
Apartments 1.00 1.89 2.40 6.71 6.26 5.15 2.29 2.58 4.55 6.14 5.29 18.67 31.87 60.14 43.23 39.72 41.02 39.30 53.98 0.00 Mobile homes 19.20 18.65 21.97 36.98 33.09 28.73 21.67 22.81 21.00 25.08 27.39 31.61 63.23 75.38 92.14 71.95 20.14 0.00 20.	Rented ^g	1.55	3.04	2.93	6.59	4.79	5.52	2.40	3.15	4.29	5.95	4.29	13.34	24.09	31.47	27.97	39.48	24.67	27.43	39.85	0.00
Mobile homes 19.20 18.65 21.97 36.98 33.09 28.73 21.67 22.81 21.00 25.08 27.39 31.61 63.23 75.38 92.14 71.95 20.14 0.00 20.14 0.00 Year of construction Before 1950 0.00 3.36 3.86 10.98 9.74 7.47 3.22 3.91 4.59 5.57 5.91 13.77 36.62 36.65 57.32 72.16 30.61 31.26 71.61 16.66 1950 to 1959 0.00 2.41 3.29 13.98 14.06 6.42 3.09 3.42 3.75 4.98 4.54 19.92 48.86 55.21 58.05 58.76 44.40 47.72 72.19 0.00	Single-family	4.55	6.25	5.94	12.11	9.62	8.60	5.55	6.62	7.77	8.27	7.41	21.98	28.97	32.55	37.37	55.54	33.36	35.60	38.79	0.00
Year of construction Before 1950 0.00 3.36 3.86 10.98 9.74 7.47 3.22 3.91 4.59 5.57 5.91 13.77 36.62 36.65 57.32 72.16 30.61 31.26 71.61 16.66 1950 to 1959 0.00 2.41 3.29 13.98 14.06 6.42 3.09 3.42 3.75 4.98 4.54 19.92 48.86 55.21 58.05 58.76 44.40 47.72 72.19 0.00	Apartments	1.00	1.89	2.40	6.71	6.26	5.15	2.29	2.58	4.55	6.14	5.29	18.67	31.87	60.14	43.23	39.72	41.02	39.30	53.98	0.00
Before 1950 0.00 3.36 3.86 10.98 9.74 7.47 3.22 3.91 4.59 5.57 5.91 13.77 36.62 36.65 57.32 72.16 30.61 31.26 71.61 16.66 1950 to 1959 0.00 2.41 3.29 13.98 14.06 6.42 3.09 3.42 3.75 4.98 4.54 19.92 48.86 55.21 58.05 58.76 44.40 47.72 72.19 0.00	Mobile homes	19.20	18.65	21.97	36.98	33.09	28.73	21.67	22.81	21.00	25.08	27.39	31.61	63.23	75.38	92.14	71.95	20.14	0.00	20.14	0.00
1950 to 1959 0.00 2.41 3.29 13.98 14.06 6.42 3.09 3.42 3.75 4.98 4.54 19.92 48.86 55.21 58.05 58.76 44.40 47.72 72.19 0.00	Year of construction																				
	Before 1950	0.00	3.36	3.86	10.98	9.74	7.47	3.22	3.91	4.59	5.57	5.91	13.77	36.62	36.65	57.32	72.16	30.61	31.26	71.61	16.66
1960 to 1969 0.00 3.29 2.95 14.41 12.08 6.41 3.30 3.32 5.67 7.45 5.67 13.54 31.40 39.38 45.31 47.46 43.92 49.45 86.44 0.00	1950 to 1959	0.00	2.41	3.29	13.98	14.06	6.42	3.09	3.42	3.75	4.98	4.54	19.92	48.86	55.21	58.05	58.76	44.40	47.72	72.19	0.00
	1960 to 1969	0.00	3.29	2.95	14.41	12.08	6.41	3.30	3.32	5.67	7.45	5.67	13.54	31.40	39.38	45.31	47.46	43.92	49.45	86.44	0.00

Relative standard errors (RSEs) for Table CE4.5 Annual household site end-use consumption by fuel in the West—totals, 2020

RSEs for number of housing

units RSEs for total site energy consumption^a

		E	lectricity	1					Natural ga	ıs		F	ropane				uel oil or	kerosene		
	Total			Space	Water	Air condi	Refrig-			Space	Water			Space	Water			Space	Water	
	West ^b	Total	Total	heating ^c	heating	tioning	erators	Other ^d	Total	heating ^c	heating	Other ^d	Total	heating ^c	heating	Other ^a	Total	heating ^c	heating	Other
All homes	0.00	0.74	0.80	3.38	2.68	1.62	0.76	0.98	1.22	1.64	1.48	6.23	9.27	11.22	9.92	24.69	12.40	12.75	28.03	69.71
1970 to 1979	0.00	2.49	2.59	7.33	5.99	5.06	2.22	2.88	4.01	5.07	4.49	14.48	22.67	26.15	22.07	36.31	30.33	31.01	39.35	0.00
1980 to 1989	0.00	2.74	2.97	10.93	9.15	4.90	2.22	3.14	4.38	5.49	4.89	15.28	21.23	23.82	23.06	52.28	25.22	26.64	29.59	75.08
1990 to 1999	0.00	2.40	2.42	8.89	7.81	4.75	1.96	2.61	3.75	4.52	4.01	16.25	17.98	21.25	18.47	36.42	45.55	39.45	74.10	0.00
2000 to 2009	0.00	2.39	2.57	11.17	8.92	4.20	1.88	3.00	3.53	4.47	3.34	14.54	20.72	23.02	19.30	56.38	26.90	25.28	54.32	0.00
2010 to 2015	5.40	6.92	6.59	16.58	13.09	8.83	7.08	7.56	8.87	10.54	9.49	35.97	39.02	51.57	55.54	52.24	80.43	71.90	20.73	0.00
2016 to 2020	6.14	7.46	7.04	17.54	11.97	11.96	7.92	8.00	9.32	11.18	11.42	25.24	43.20	48.66	57.85	51.29	0.00	0.00	0.00	0.00
Total square footage ^h																				
Less than 1,000	2.20	2.72	3.06	5.44	6.10	4.85	3.35	3.32	4.40	5.63	4.68	15.43	20.06	34.53	23.14	36.85	34.74	32.59	51.18	28.98
1,000 to 1,499	3.39	3.66	3.55	8.82	6.28	5.61	4.10	3.55	4.66	5.10	5.88	7.12	24.85	29.37	28.98	52.60	27.06	27.45	41.90	0.00
1,500 to 1,999	3.51	3.62	4.10	9.08	8.39	5.58	3.52	4.10	4.03	4.56	5.19	7.88	20.63	23.37	19.16	55.26	35.59	33.22	69.99	81.44
2,000 to 2,499	4.58	4.85	4.98	10.14	8.79	6.87	4.94	5.06	5.90	5.69	7.00	19.47	18.54	20.25	22.40	30.10	27.09	28.42	35.20	0.00
2,500 to 2,999	5.90	6.05	5.56	16.99	12.61	7.96	6.00	5.62	7.29	8.04	8.48	13.77	30.48	29.18	34.37	72.85	35.58	36.25	51.00	0.00
3,000 or more	4.59	4.69	5.39	13.81	12.77	8.18	4.74	5.25	5.17	5.43	5.92	16.55	23.94	29.39	23.99	44.74	34.65	35.91	44.31	0.00
Number of household members																				
1 member	3.10	3.63	3.51	7.12	4.99	5.26	3.74	4.05	5.01	5.65	5.37	17.05	21.24	27.00	18.34	44.30	21.96	22.32	47.72	81.44
2 members	2.87	2.96	3.11	6.04	5.77	4.69	3.18	3.00	3.53	4.12	3.28	10.60	14.54	15.66	15.36	46.27	22.41	24.42	33.98	0.00
3 members	5.32	5.36	5.48	11.00	9.08	6.70	5.02	5.41	5.71	6.83	6.35	13.27	23.14	30.16	23.16	48.01	34.50	36.71	52.84	28.98
4 members	4.26	4.28	4.32	10.85	8.35	6.46	4.94	4.25	5.26	6.02	5.89	13.11	25.96	31.81	30.55	37.93	30.34	28.17	57.25	0.00
5 members	6.30	6.16	6.85	14.28	12.99	10.51	7.28	7.04	6.86	7.49	8.03	13.74	34.82	48.86	37.21	39.36	83.99	83.99	0.00	0.00
6 or more members	8.85	8.90	8.38	22.05	14.50	11.22	8.66	8.62	10.87	13.65	11.05	29.96	44.46	47.19	54.33	44.29	52.56	47.14	76.73	0.00
2020 annual household income																				
Less than \$5,000	9.77	10.72	10.52	17.88	16.44	17.58	10.53	11.37	14.68	19.20	16.81	40.97	54.28	21.99	65.76	85.90	70.66	70.67	24.37	0.00
\$5,000 to \$9,999	14.97	16.37	15.30	23.32	21.78	19.95	17.40	18.30	21.56	21.11	26.10	36.95	37.40	45.23	56.59	51.20	13.26	13.26	0.00	0.00
\$10,000 to \$19,999	6.11	6.74	6.63	14.44	12.72	10.38	7.98	8.00	9.15	11.50	10.25	39.14	27.95	32.37	39.73	55.73	58.56	58.56	0.00	0.00
\$20,000 to \$39,999	3.64	4.02	4.27	9.17	8.27	6.30	4.68	4.33	5.12	6.37	5.96	17.78	23.33	29.11	29.59	31.17	23.04	25.22	33.70	0.00
\$40,000 to \$59,999	4.01	4.21	4.40	9.94	9.57	6.13	4.48	4.39	5.76	6.61	6.32	13.30	17.77	21.50	21.51	30.90	32.52	38.08	62.13	16.66
\$60,000 to \$99,999	2.99	3.06	3.21	7.59	7.10	5.11	3.66	3.12	3.63	4.64	3.79	13.80	17.17	20.06	16.62	38.16	26.55	28.38	30.38	75.08
\$100,000 to \$149,999	4.08	3.92	4.41	12.96	9.45	6.21	4.38	4.35	4.41	4.85	5.39	8.92	24.43	28.03	26.42	38.60	24.45	26.78	38.55	0.00
\$150,000 or more	4.34	4.92	4.99	12.00	9.17	7.32	4.57	4.89	5.24	4.75	5.92	13.79	26.83	28.07	24.31	50.02	36.49	37.71	40.16	0.00
Payment method for energy bills																				
All paid by household	0.50	0.82	0.92	3.57	3.00	1.66	0.82	1.09	1.28	1.68	1.49	6.42	9.41	11.30	9.70	25.40	13.20	13.66	17.29	81.44
Some paid by household, some																				
included in rent or condo fee	8.83	8.88	9.85	17.92	21.58	14.59	9.69	10.18	10.69	14.33	12.10	23.28	43.52	79.88	41.75	46.33	40.65	42.85	62.69	28.98
All included in rent or condo fee	9.52	11.46	10.71	16.83	14.40	16.95	10.18	12.11	16.98	16.54	19.04	44.37	59.29	0.00	71.31	62.68	85.82	80.94	95.76	0.00
Some other method	63.98	63.37	58.26	15.96	22.59	73.00	63.18	64.55	76.38	73.32	22.12	22.12	15.96	0.00	15.96	0.00	23.61	23.61	23.61	0.00
Main heating fuel																				
Natural gas	1.30	1.42	1.70	8.77	7.28	2.69	1.49	1.69	1.45	1.66	1.61	7.07	55.39	83.61	65.53	84.89	61.15	16.66	73.91	16.66
Electricity	2.75	3.41	3.11	3.87	3.72	5.13	3.44	3.62	8.05	27.98	8.16	16.87	15.23	28.98	21.17	23.94	28.74	28.74	0.00	0.00
Fuel oil or kerosene	17.12	15.08	17.97	32.50	22.89	83.36	18.32	16.37	80.79	14.33	14.33	99.34	41.13	0.00	62.59	33.02	12.83	13.13	30.05	28.98

Relative standard errors (RSEs) for Table CE4.5 Annual household site end-use consumption by fuel in the West-totals, 2020

RSEs for number of housing units RSEs for total site energy consumption and the second second

		<u> </u>	lectricity						Natural ga	is			Propane				Fuel oil or	kerosene		
	Total West ^b	Total	Total	Space heating ^c	Water	Air condi-	Refrig- erators	Other ^d	Total	Space heating ^c	Water	O ther ^d	Total	Space heating ^c	Water	Other ^d	Total	Space heating ^c	Water	Other ^d
					Ū					Ū				Ū						
All homes	0.00	0.74	0.80	3.38	2.68	1.62	0.76	0.98	1.22	1.64	1.48	6.23	9.27	11.22	9.92	24.69	12.40	12.75	28.03	69.71
Propane	10.97	10.42	10.17	23.42	18.81	14.93	10.95	10.85	79.86	0.00	18.69	65.85	11.61	12.48	13.35	30.86	0.00	0.00	0.00	0.00
Wood	12.40	14.99	13.90	23.43	14.94	24.33	14.01	14.30	49.11	45.55	69.57	40.66	31.74	56.59	25.36	60.61	61.23	66.55	60.20	0.00
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	7.21	7.08	0.00	11.17	9.60	6.38	7.67	10.10	0.00	10.24	14.65	37.58	0.00	44.01	26.67	84.02	0.00	89.28	28.73

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. Electricity consumption from on-site solar photovoltaic generation (that is, solar panels) is included.

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.

^fThe 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 Verycold and Cold.

⁸ 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.

¹ Some other fuel includes coal and district steam.