

Data release date: March 2023

**Summary annual household site consumption and expenditures in U.S. homes by state—totals and intensities, 2020**

	Number of housing units (million)	Site energy consumption <sup>a</sup>			Energy expenditures <sup>a</sup>				
		Total U.S. <sup>b</sup>	Total (trillion Btu)	Per household (million Btu)	Per household member (million Btu)	Per square foot (thousand Btu)	Total (billion dollars)	Per household (dollars)	Per household member (dollars)
<b>All homes</b>	123.53	9,481	76.8	31.3	42.2	232.76	1,884	768	1.04
Alabama	1.90	122	64.4	29.7	36.5	3.96	2,082	959	1.18
Alaska	0.26	32	125.1	46.9	71.0	0.78	3,018	1,130	1.71
Arizona	2.68	166	62.1	24.5	36.3	5.34	1,994	787	1.16
Arkansas	1.14	87	75.7	30.5	42.3	2.20	1,926	776	1.08
California	13.18	707	53.7	20.1	35.7	21.83	1,656	620	1.10
Colorado	2.26	198	87.5	35.7	43.7	3.03	1,342	548	0.67
Connecticut	1.38	127	91.9	35.8	45.5	3.88	2,808	1,093	1.39
Delaware	0.38	27	72.0	29.8	34.5	0.73	1,910	790	0.91
District of Columbia	0.32	16	50.7	24.9	42.7	0.38	1,197	589	1.01
Florida	8.06	408	50.6	21.5	31.2	13.34	1,654	702	1.02
Georgia	3.88	287	73.9	28.0	37.4	8.46	2,180	827	1.10
Hawaii	0.47	14	30.3	10.1	20.9	0.98	2,058	689	1.42
Idaho	0.66	59	89.2	35.1	45.1	1.00	1,520	598	0.77
Illinois	4.90	487	99.3	41.1	51.6	8.43	1,720	712	0.89
Indiana	2.60	250	96.2	39.3	47.6	5.49	2,111	863	1.04
Iowa	1.28	127	99.0	45.6	47.0	2.38	1,854	854	0.88
Kansas	1.13	102	90.4	35.7	46.3	2.24	1,984	784	1.01
Kentucky	1.74	130	74.6	30.8	39.0	3.21	1,848	765	0.97
Louisiana	1.73	117	67.8	27.7	38.9	2.94	1,704	696	0.98
Maine	0.56	50	88.8	39.2	44.6	1.30	2,304	1,016	1.16
Maryland	2.28	171	75.0	31.3	37.8	4.39	1,924	802	0.97
Massachusetts	2.71	238	87.7	34.8	47.3	6.66	2,453	974	1.32
Michigan	3.92	424	108.3	45.8	53.4	8.59	2,192	928	1.08
Minnesota	2.23	224	100.3	39.7	50.3	4.09	1,833	725	0.92
Mississippi	1.08	77	70.9	29.4	38.3	2.05	1,887	783	1.02
Missouri	2.43	216	88.8	38.3	43.5	4.64	1,909	824	0.93
Montana	0.43	38	87.6	35.7	46.7	0.65	1,511	615	0.81
Nebraska	0.77	68	88.4	39.3	45.8	1.21	1,586	706	0.82
Nevada	1.14	87	76.7	32.0	47.5	1.93	1,690	704	1.05
New Hampshire	0.54	49	91.1	39.1	43.3	1.36	2,530	1,086	1.20
New Jersey	3.39	349	102.9	41.7	55.0	6.90	2,034	824	1.09
New Mexico	0.79	61	76.9	33.5	46.0	1.17	1,492	649	0.89
New York	7.52	619	82.3	34.1	51.0	17.44	2,319	961	1.44
North Carolina	4.01	252	62.7	26.4	33.0	6.95	1,731	729	0.91
North Dakota	0.32	30	94.3	41.7	46.8	0.52	1,648	728	0.82

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	Number of housing units (million)	Site energy consumption <sup>a</sup>			Energy expenditures <sup>a</sup>				
		Total U.S. <sup>b</sup> (trillion Btu)	Per household (million Btu)	Per household member (million Btu)	Per square foot (thousand Btu)	Total (billion dollars)	Per household (dollars)	Per household member (dollars)	Per square foot (dollars)
<b>All homes</b>	123.53	9,481	76.8	31.3	42.2	232.76	1,884	768	1.04
Ohio	4.74	444	93.6	40.1	46.5	8.75	1,847	791	0.92
Oklahoma	1.49	126	84.6	33.8	48.9	2.69	1,803	720	1.04
Oregon	1.65	111	67.4	28.6	39.6	2.72	1,642	697	0.97
Pennsylvania	5.13	459	89.5	37.7	45.0	10.33	2,015	848	1.01
Rhode Island	0.42	41	98.0	41.0	52.6	1.10	2,617	1,095	1.40
South Carolina	1.97	122	61.7	26.5	34.9	3.78	1,918	823	1.08
South Dakota	0.35	30	87.1	36.4	42.4	0.59	1,709	714	0.83
Tennessee	2.66	194	73.0	30.8	37.5	4.67	1,759	742	0.90
Texas	10.26	679	66.2	25.5	38.2	18.46	1,800	692	1.04
Utah	1.04	97	93.0	31.6	43.1	1.71	1,647	560	0.76
Vermont	0.26	23	88.6	39.3	46.7	0.62	2,407	1,067	1.27
Virginia	3.24	244	75.2	31.8	37.9	6.56	2,023	856	1.02
Washington	2.94	197	67.1	27.5	40.1	4.29	1,461	599	0.87
West Virginia	0.70	57	82.1	35.7	43.4	1.38	1,976	858	1.04
Wisconsin	2.39	219	91.5	40.3	44.3	4.25	1,779	784	0.86
Wyoming	0.23	22	98.6	44.8	52.1	0.41	1,802	819	0.95

Data source: U.S. Energy Information Administration, Office of Energy Demand and Integrated 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 the definitions of terms used in these tables. Differences in estimates between states may not be statistically significant.

Btu=British thermal units

<sup>a</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>b</sup> Total U.S. includes all primary occupied housing units in the 50 states and the District of Columbia. Vacant housing units, seasonal units, second homes, military houses, and group quarters are excluded.

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.

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**Relative standard errors (RSEs) for Summary annual household site consumption and expenditures in U.S. homes by state—totals and intensities, 2020**

	RSEs for number of housing units	RSEs for site energy consumption <sup>a</sup>				RSEs for energy expenditures <sup>a</sup>			
	Total U.S. <sup>b</sup>	Total	Per household	Per household member	Per square foot	Total	Per household	Per household member	Per square foot
<b>All homes</b>	0.00	0.40	0.40	0.57	0.43	0.35	0.35	0.55	0.45
Alabama	0.00	3.73	3.73	3.96	3.50	3.10	3.10	3.32	3.13
Alaska	0.00	3.51	3.51	4.04	2.62	3.05	3.05	3.66	2.63
Arizona	0.00	2.13	2.13	2.93	1.97	2.17	2.17	2.81	2.31
Arkansas	0.00	4.60	4.60	4.92	3.60	3.54	3.54	4.08	3.49
California	0.00	1.29	1.29	1.78	1.45	1.58	1.58	2.02	1.67
Colorado	0.00	2.51	2.51	4.34	2.84	2.74	2.74	4.38	3.22
Connecticut	0.00	4.17	4.17	5.25	3.23	3.41	3.41	4.75	3.44
Delaware	0.00	4.61	4.61	5.39	4.09	3.65	3.65	4.88	3.76
District of Columbia	0.00	5.61	5.61	5.31	3.61	4.31	4.31	4.28	2.99
Florida	0.00	2.39	2.39	2.73	1.97	2.29	2.29	2.69	2.00
Georgia	0.00	3.29	3.29	3.68	3.02	2.57	2.57	3.10	3.15
Hawaii	0.00	3.62	3.62	4.05	4.28	3.99	3.99	4.94	5.17
Idaho	0.00	4.04	4.04	4.49	2.87	3.71	3.71	4.50	3.05
Illinois	0.00	2.08	2.08	2.67	1.89	1.98	1.98	2.45	2.00
Indiana	0.00	2.55	2.55	3.31	2.69	2.23	2.23	3.04	2.62
Iowa	0.00	2.86	2.86	4.27	2.71	2.50	2.50	4.06	2.40
Kansas	0.00	3.79	3.79	4.42	3.50	2.82	2.82	3.64	3.71
Kentucky	0.00	2.66	2.66	3.55	2.47	2.21	2.21	2.97	2.48
Louisiana	0.00	3.78	3.78	3.92	3.53	2.92	2.92	3.20	3.45
Maine	0.00	3.80	3.80	5.35	3.56	3.40	3.40	4.82	3.25
Maryland	0.00	3.63	3.63	3.76	2.52	3.00	3.00	3.35	2.31
Massachusetts	0.00	2.09	2.09	2.67	2.32	1.95	1.95	2.77	1.96
Michigan	0.00	3.08	3.08	3.75	2.50	2.70	2.70	3.43	2.52
Minnesota	0.00	2.97	2.97	3.73	2.20	3.01	3.01	3.67	2.34
Mississippi	0.00	4.05	4.05	6.04	4.98	3.34	3.34	5.17	4.29
Missouri	0.00	3.32	3.32	4.51	3.08	2.24	2.24	3.53	2.73
Montana	0.00	5.41	5.41	5.31	3.98	4.71	4.71	5.43	4.02
Nebraska	0.00	4.10	4.10	5.05	4.96	3.98	3.98	4.22	3.99
Nevada	0.00	4.41	4.41	5.30	3.77	3.78	3.78	5.01	3.67
New Hampshire	0.00	4.36	4.36	5.09	4.30	4.03	4.03	4.92	4.08
New Jersey	0.00	3.52	3.52	3.69	2.60	2.87	2.87	3.02	2.35
New Mexico	0.00	4.31	4.31	5.45	3.74	4.40	4.40	5.21	4.24
New York	0.00	1.86	1.86	2.46	1.70	2.21	2.21	2.83	2.09
North Carolina	0.00	2.42	2.42	3.99	2.36	2.10	2.10	3.86	2.24
North Dakota	0.00	3.94	3.94	4.26	2.76	3.47	3.47	4.06	3.07
Ohio	0.00	2.75	2.75	3.80	2.93	2.52	2.52	3.70	2.68
Oklahoma	0.00	3.37	3.37	8.68	3.83	2.90	2.90	8.52	3.57
Oregon	0.00	3.82	3.82	4.04	3.48	2.90	2.90	3.29	2.67
Pennsylvania	0.00	2.31	2.31	2.63	1.82	2.04	2.04	2.18	1.82
Rhode Island	0.00	4.81	4.81	4.89	4.11	4.09	4.09	4.51	3.90

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<b>All homes</b>	0.00	0.40	0.40	0.57	0.43	0.35	0.35	0.55	0.45
South Carolina	0.00	3.07	3.07	3.31	2.98	2.56	2.56	3.33	3.02
South Dakota	0.00	4.57	4.57	5.33	3.72	3.82	3.82	4.98	3.51
Tennessee	0.00	3.94	3.94	4.07	3.11	2.83	2.83	3.08	2.51
Texas	0.00	1.48	1.48	2.00	1.52	1.29	1.29	1.91	1.79
Utah	0.00	4.22	4.22	5.59	3.05	3.68	3.68	4.84	3.37
Vermont	0.00	3.35	3.35	4.81	3.34	3.28	3.28	5.00	3.91
Virginia	0.00	2.95	2.95	3.54	3.13	2.21	2.21	3.44	3.28
Washington	0.00	3.11	3.11	3.05	2.45	2.52	2.52	2.45	2.62
West Virginia	0.00	4.52	4.52	5.18	4.08	3.82	3.82	4.04	3.42
Wisconsin	0.00	2.45	2.45	3.74	2.34	2.36	2.36	3.56	2.46
Wyoming	0.00	4.21	4.21	5.38	4.58	4.06	4.06	4.94	5.04

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