

Data release date: March 2023

Annual household fuel expenditures in U.S. homes by state—totals and averages, 2020

	Number of housing units (million)	Total energy expenditures ^a (billion dollars and percentages of totals)								Average energy expenditures ^a (dollars per household using the fuel)					
	Total U.S. ^b	Total	Electricity		Natural gas		Propane		Fuel oil or kerosene		Total	Electricity	Natural gas	Propane	Fuel oil or kerosene
All homes	123.53	232.76	170.47	73%	47.21	20%	8.12	3%	6.95	3%	1,884	1,380	627	729	1,224
Alabama	1.90	3.96	3.39	86%	0.46	12%	0.10	3%	Q	Q	2,082	1,784	550	397	Q
Alaska	0.26	0.78	0.42	54%	0.22	29%	0.01	2%	0.12	16%	3,018	1,628	1,393	505	1,775
Arizona	2.68	5.34	4.65	87%	0.60	11%	0.09	2%	Q	Q	1,994	1,737	434	510	Q
Arkansas	1.14	2.20	1.74	79%	0.40	18%	0.07	3%	N	N	1,926	1,518	690	419	N
California	13.18	21.83	15.36	70%	5.86	27%	0.60	3%	Q	Q	1,656	1,166	506	953	Q
Colorado	2.26	3.03	2.03	67%	0.88	29%	0.13	4%	Q	Q	1,342	897	467	1,059	Q
Connecticut	1.38	3.88	2.42	62%	0.57	15%	0.12	3%	0.77	20%	2,808	1,749	852	641	1,404
Delaware	0.38	0.73	0.51	71%	0.12	16%	0.06	8%	0.04	5%	1,910	1,349	666	693	995
District of Columbia	0.32	0.38	0.26	70%	0.11	30%	Q	Q	Q	Q	1,197	833	475	Q	Q
Florida	8.06	13.34	12.75	96%	0.45	3%	0.13	1%	N	N	1,654	1,582	359	345	N
Georgia	3.88	8.46	6.62	78%	1.62	19%	0.21	2%	Q	Q	2,180	1,706	766	508	Q
Hawaii	0.47	0.98	0.91	93%	0.05	5%	0.02	3%	N	N	2,058	1,911	590	424	N
Idaho	0.66	1.00	0.73	73%	0.21	21%	0.06	6%	Q	Q	1,520	1,106	492	860	Q
Illinois	4.90	8.43	5.35	64%	2.79	33%	0.28	3%	Q	Q	1,720	1,093	676	1,310	Q
Indiana	2.60	5.49	4.02	73%	1.22	22%	0.24	4%	Q	Q	2,111	1,546	664	1,005	Q
Iowa	1.28	2.38	1.70	71%	0.47	20%	0.19	8%	Q	Q	1,854	1,324	505	990	Q
Kansas	1.13	2.24	1.62	73%	0.53	24%	0.08	4%	N	N	1,984	1,439	633	683	N
Kentucky	1.74	3.21	2.59	81%	0.52	16%	0.08	3%	Q	Q	1,848	1,492	620	462	Q
Louisiana	1.73	2.94	2.56	87%	0.35	12%	0.04	1%	N	N	1,704	1,480	435	373	N
Maine	0.56	1.30	0.66	51%	0.09	7%	0.17	13%	0.38	29%	2,304	1,173	723	836	1,229
Maryland	2.28	4.39	3.23	74%	0.90	21%	0.05	1%	0.21	5%	1,924	1,416	722	379	1,231
Massachusetts	2.71	6.66	3.96	59%	1.51	23%	0.19	3%	1.01	15%	2,453	1,458	872	884	1,440
Michigan	3.92	8.59	5.74	67%	2.19	25%	0.53	6%	0.13	2%	2,192	1,464	695	1,266	1,118
Minnesota	2.23	4.09	2.73	67%	0.98	24%	0.33	8%	Q	Q	1,833	1,224	613	828	Q
Mississippi	1.08	2.05	1.68	82%	0.21	10%	0.15	7%	Q	Q	1,887	1,552	490	728	Q

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	Total U.S. ^b	Total	Electricity	Natural gas	Propane	Fuel oil or kerosene	Total	Electricity	Natural gas	Propane	Fuel oil or kerosene	Total	Electricity	Natural gas	Propane	Fuel oil or kerosene
All homes	123.53	232.76	170.47	73%	47.21	20%	8.12	3%	6.95	3%		1,884	1,380	627	729	1,224
Missouri	2.43	4.64	3.41	74%	1.11	24%	0.12	3%	N	N		1,909	1,405	716	536	N
Montana	0.43	0.65	0.46	70%	0.15	22%	0.04	6%	Q	Q		1,511	1,065	536	790	Q
Nebraska	0.77	1.21	0.88	72%	0.31	25%	0.03	2%	N	N		1,586	1,148	544	612	N
Nevada	1.14	1.93	1.40	73%	0.45	23%	0.07	4%	N	N		1,690	1,227	518	1,152	N
New Hampshire	0.54	1.36	0.71	52%	0.13	10%	0.19	14%	0.33	24%		2,530	1,312	805	1,042	1,430
New Jersey	3.39	6.90	4.49	65%	2.04	29%	0.09	1%	0.29	4%		2,034	1,324	732	582	1,093
New Mexico	0.79	1.17	0.81	69%	0.28	24%	0.08	7%	N	N		1,492	1,035	434	1,001	N
New York	7.52	17.44	9.55	55%	5.39	31%	0.69	4%	1.82	10%		2,319	1,270	919	872	1,331
North Carolina	4.01	6.95	5.75	83%	0.84	12%	0.30	4%	0.06	1%		1,731	1,432	573	568	664
North Dakota	0.32	0.52	0.38	73%	0.07	14%	0.05	10%	0.01	2%		1,648	1,211	460	893	1,073
Ohio	4.74	8.75	5.75	66%	2.32	27%	0.50	6%	0.18	2%		1,847	1,214	700	1,122	1,245
Oklahoma	1.49	2.69	2.12	79%	0.49	18%	0.08	3%	N	N		1,803	1,418	529	558	N
Oregon	1.65	2.72	2.19	80%	0.45	17%	0.05	2%	Q	Q		1,642	1,322	566	448	Q
Pennsylvania	5.13	10.33	6.70	65%	2.34	23%	0.47	5%	0.83	8%		2,015	1,307	796	659	1,060
Rhode Island	0.42	1.10	0.62	57%	0.29	26%	0.02	2%	0.17	16%		2,617	1,482	1,108	434	1,281
South Carolina	1.97	3.78	3.31	88%	0.35	9%	0.11	3%	Q	Q		1,918	1,681	446	484	Q
South Dakota	0.35	0.59	0.44	75%	0.10	17%	0.04	7%	Q	Q		1,709	1,275	462	814	Q
Tennessee	2.66	4.67	4.00	86%	0.55	12%	0.11	2%	Q	Q		1,759	1,506	496	484	Q
Texas	10.26	18.46	15.77	85%	2.38	13%	0.30	2%	Q	Q		1,800	1,538	430	507	Q
Utah	1.04	1.71	1.08	63%	0.62	36%	Q	Q	N	N		1,647	1,041	663	Q	N
Vermont	0.26	0.62	0.32	52%	0.06	9%	0.08	13%	0.16	26%		2,407	1,252	820	836	1,173
Virginia	3.24	6.56	5.12	78%	1.03	16%	0.26	4%	0.16	2%		2,023	1,578	710	579	838
Washington	2.94	4.29	3.28	76%	0.88	20%	0.12	3%	Q	Q		1,461	1,117	666	526	Q
West Virginia	0.70	1.38	1.09	79%	0.22	16%	0.04	3%	Q	Q		1,976	1,567	651	469	Q
Wisconsin	2.39	4.25	2.95	69%	0.97	23%	0.29	7%	Q	Q		1,779	1,233	539	959	Q
Wyoming	0.23	0.41	0.26	63%	0.12	28%	0.04	9%	N	N		1,802	1,133	690	1,479	N

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	Total U.S. ^b	Total	Electricity	Natural gas	Propane	Fuel oil or kerosene	Total	Electricity	Natural gas	Propane	Fuel oil or kerosene				
All homes	123.53	232.76	170.47	73%	47.21	20%	8.12	3%	6.95	3%	1,884	1,380	627	729	1,224

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. Percentages are calculated on unrounded numbers. See RECS Terminology for the definitions of terms used in these tables. Differences in estimates between states may not be statistically significant.

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

^b *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 Annual household fuel expenditures in U.S. homes by state—totals and averages, 2020

	RSEs for number of housing units	RSEs for total energy expenditures ^a					RSEs for average energy expenditures ^a									
	Total U.S. ^b	Total	Electricity	Natural gas	Propane	Fuel oil or kerosene	Total	Electricity	Natural gas	Propane	Fuel oil or kerosene	Total	Electricity	Natural gas	Propane	Fuel oil or kerosene
All homes	0.00	0.35	0.39	0.20	0.89	0.78	3.62	3.60	3.55	3.57		0.35	0.39	0.74	2.66	2.29
Alabama	0.00	3.10	3.23	1.38	11.47	10.80	25.41	25.15	91.22	91.22		3.10	3.23	6.08	20.48	107.05
Alaska	0.00	3.05	3.21	1.83	5.23	5.03	35.61	35.08	11.67	10.52		3.05	3.21	4.09	32.43	6.75
Arizona	0.00	2.17	2.51	0.77	4.35	5.01	22.91	22.32	101.21	101.15		2.17	2.51	3.10	16.50	0.00
Arkansas	0.00	3.54	3.67	1.72	8.67	7.27	22.54	22.46	0.00	0.00		3.54	3.67	5.01	17.30	0.00
California	0.00	1.58	1.94	0.80	2.29	1.98	16.84	16.93	101.19	101.21		1.58	1.94	2.23	13.44	0.00
Colorado	0.00	2.74	3.10	1.65	3.42	3.80	36.86	35.88	101.76	101.82		2.74	3.10	2.52	23.93	0.00
Connecticut	0.00	3.41	3.71	1.86	8.55	8.87	17.08	17.08	8.70	6.73		3.41	3.71	5.72	14.03	5.79
Delaware	0.00	3.65	4.26	3.06	12.40	12.14	21.32	20.33	29.71	28.99		3.65	4.26	7.60	15.69	17.52
District of Columbia	0.00	4.31	4.10	2.22	7.91	5.36	100.01	100.13	54.36	53.95		4.31	4.10	7.19	0.00	31.46
Florida	0.00	2.29	2.21	0.46	11.11	10.35	26.06	25.70	0.00	0.00		2.29	2.21	6.87	21.78	0.00
Georgia	0.00	2.57	2.82	1.51	7.01	6.31	20.53	20.27	97.30	97.37		2.57	2.82	4.45	13.61	122.16
Hawaii	0.00	3.99	4.25	1.10	14.72	15.08	26.73	26.20	0.00	0.00		3.99	4.25	9.86	22.16	0.00
Idaho	0.00	3.71	3.82	2.05	5.72	4.89	29.13	28.00	69.28	69.50		3.71	3.82	4.02	24.49	53.50
Illinois	0.00	1.98	2.45	1.39	3.09	2.95	21.82	21.11	97.51	97.51		1.98	2.45	2.73	11.02	87.18
Indiana	0.00	2.23	2.44	1.11	3.99	4.16	21.46	20.57	69.23	69.15		2.23	2.44	2.78	11.09	61.20
Iowa	0.00	2.50	2.90	1.41	5.14	5.32	14.75	14.09	100.80	100.77		2.50	2.90	2.97	7.26	0.00
Kansas	0.00	2.82	3.14	1.50	5.53	4.74	23.15	22.85	0.00	0.00		2.82	3.14	3.01	14.15	0.00
Kentucky	0.00	2.21	2.32	0.94	4.81	4.17	19.10	18.94	55.12	55.04		2.21	2.32	3.57	15.01	45.55
Louisiana	0.00	2.92	2.78	1.26	10.36	9.09	39.49	39.38	0.00	0.00		2.92	2.78	7.21	29.11	0.00
Maine	0.00	3.40	3.44	2.31	16.56	17.21	12.84	11.35	7.05	5.69		3.40	3.44	9.90	8.85	3.79
Maryland	0.00	3.00	3.26	1.77	7.20	6.47	28.08	27.70	19.25	18.65		3.00	3.26	4.89	22.92	9.51
Massachusetts	0.00	1.95	2.50	1.49	4.98	5.00	17.90	17.79	7.60	7.01		1.95	2.50	3.31	12.81	3.95
Michigan	0.00	2.70	3.01	1.14	4.36	3.86	17.14	16.68	33.88	33.91		2.70	3.01	3.00	8.35	22.12
Minnesota	0.00	3.01	3.50	1.42	4.80	5.02	13.20	12.08	49.61	49.36		3.01	3.50	3.22	9.20	23.31
Mississippi	0.00	3.34	3.43	2.10	12.36	12.82	27.20	25.75	101.02	101.13		3.34	3.43	6.84	20.70	0.00

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	Total U.S. ^b	Total	Electricity	Natural gas	Propane	Fuel oil or kerosene	Total	Electricity	Natural gas	Propane	Fuel oil or kerosene	Total	Electricity	Natural gas	Propane	Fuel oil or kerosene
All homes	0.00	0.35	0.39	0.20	0.89	0.78	3.62	3.60	3.55	3.57		0.35	0.39	0.74	2.66	2.29
Missouri	0.00	2.24	2.66	1.59	6.07	5.45	20.60	20.67	0.00	0.00		2.24	2.66	2.91	10.56	0.00
Montana	0.00	4.71	5.33	2.66	8.51	8.17	35.15	34.17	68.42	68.72		4.71	5.33	5.23	22.18	76.06
Nebraska	0.00	3.98	5.19	2.06	5.96	5.83	32.42	33.01	0.00	0.00		3.98	5.19	4.22	22.09	0.00
Nevada	0.00	3.78	4.15	1.67	6.47	5.96	31.36	30.55	0.00	0.00		3.78	4.15	4.56	19.00	0.00
New Hampshire	0.00	4.03	4.48	2.89	15.01	16.30	14.86	13.23	11.29	9.82		4.03	4.48	9.60	11.66	5.71
New Jersey	0.00	2.87	2.95	1.24	4.08	3.37	32.86	32.05	19.56	18.82		2.87	2.95	3.66	24.49	11.35
New Mexico	0.00	4.40	5.48	2.64	5.49	6.05	33.58	32.80	0.00	0.00		4.40	5.48	3.63	19.60	0.00
New York	0.00	2.21	2.15	1.70	4.17	3.29	13.61	13.22	9.77	9.05		2.21	2.15	4.09	10.97	5.75
North Carolina	0.00	2.10	2.12	1.06	7.13	6.89	20.04	19.25	37.67	37.90		2.10	2.12	4.08	15.42	21.01
North Dakota	0.00	3.47	3.54	1.66	7.34	7.57	14.83	13.06	39.14	38.92		3.47	3.54	4.90	8.50	14.66
Ohio	0.00	2.52	2.99	1.76	4.34	4.57	20.02	18.79	33.07	32.95		2.52	2.99	3.24	13.96	19.27
Oklahoma	0.00	2.90	3.55	1.54	5.92	6.26	27.07	26.48	0.00	0.00		2.90	3.55	2.98	22.69	0.00
Oregon	0.00	2.90	3.03	1.52	8.21	7.19	29.00	28.96	47.51	47.41		2.90	3.03	5.19	20.10	24.47
Pennsylvania	0.00	2.04	2.81	1.62	4.15	4.31	14.28	13.60	10.20	10.12		2.04	2.81	3.22	11.73	6.83
Rhode Island	0.00	4.09	4.60	2.43	9.07	8.22	30.71	30.57	11.79	10.66		4.09	4.60	7.19	14.48	5.37
South Carolina	0.00	2.56	2.81	1.03	8.79	8.62	20.06	19.75	100.18	100.21		2.56	2.81	5.58	13.41	0.00
South Dakota	0.00	3.82	4.03	1.80	7.86	8.50	21.61	19.82	74.35	74.22		3.82	4.03	5.12	11.76	55.51
Tennessee	0.00	2.83	2.75	0.96	7.98	6.64	21.87	21.81	57.47	57.68		2.83	2.75	6.07	16.65	47.96
Texas	0.00	1.29	1.51	0.54	3.56	3.53	16.72	16.80	79.06	79.13		1.29	1.51	2.51	13.01	14.83
Utah	0.00	3.68	4.25	2.03	5.17	3.80	70.40	70.28	0.00	0.00		3.68	4.25	4.50	39.33	0.00
Vermont	0.00	3.28	4.14	2.25	13.24	13.85	12.01	11.77	8.55	7.35		3.28	4.14	8.04	9.89	4.79
Virginia	0.00	2.21	2.20	1.35	6.49	6.07	19.18	18.47	24.02	23.55		2.21	2.20	4.67	16.19	16.11
Washington	0.00	2.52	2.81	1.52	6.08	5.60	26.55	25.82	100.22	100.29		2.52	2.81	3.56	20.43	0.00
West Virginia	0.00	3.82	4.38	2.23	9.95	9.93	35.06	34.61	44.64	43.82		3.82	4.38	4.90	30.03	30.46
Wisconsin	0.00	2.36	2.76	1.22	3.74	4.22	14.43	13.53	50.90	50.69		2.36	2.76	2.08	8.52	43.18
Wyoming	0.00	4.06	4.70	2.56	5.99	7.36	29.42	27.33	0.00	0.00		4.06	4.70	4.10	20.50	0.00

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All homes	0.00	0.35	0.39	0.20	0.89	0.78	3.62	3.60	3.55	3.57	0.35	0.39	0.74	2.66	2.29

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

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