

Data release date: March 2023

Revised data release date: June 2023

**CE2.6.ST Annual household fuel expenditures in United States homes by state—totals and averages, 2020**

	Number of housing units (million)	Total energy expenditures <sup>a</sup> (billion dollars and percentages of totals)					Average energy expenditures <sup>a</sup> (dollars per household using the fuel)								
	Total U.S. <sup>b</sup>	Total	Electricity	Natural gas	Propane	Fuel oil or kerosene	Total	Electricity	Natural gas	Propane	Fuel oil or kerosene				
<b>All homes</b>	123.53	232.76	170.47	73%	47.21	20%	8.12	3%	6.95	3%	1,884	1,380	630	735	1,224
Alabama	1.90	3.96	3.39	86%	0.46	12%	0.10	3%	Q	Q	2,082	1,784	550	408	Q
Alaska	0.26	0.78	0.42	54%	0.22	29%	0.01	2%	0.12	16%	3,018	1,628	1,393	522	1,775
Arizona	2.68	5.34	4.65	87%	0.60	11%	0.09	2%	Q	Q	1,994	1,737	438	510	Q
Arkansas	1.14	2.20	1.74	79%	0.40	18%	0.07	3%	N	N	1,926	1,518	695	429	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	864	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	371	377	N
Georgia	3.88	8.46	6.62	78%	1.62	19%	0.21	2%	Q	Q	2,180	1,706	769	521	Q
Hawaii	0.47	0.98	0.91	93%	0.05	5%	0.02	3%	N	N	2,058	1,911	625	435	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	678	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	438	404	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	726	379	1,231
Massachusetts	2.71	6.66	3.96	59%	1.51	23%	0.19	3%	1.01	15%	2,453	1,458	876	884	1,440
Michigan	3.92	8.59	5.74	67%	2.19	25%	0.53	6%	0.13	2%	2,192	1,464	703	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	500	750	Q

**CE2.6.ST Annual household fuel expenditures in United States homes by state—totals and averages, 2020**

	Number of housing units (million)	Total energy expenditures <sup>a</sup> (billion dollars and percentages of totals)								Average energy expenditures <sup>a</sup> (dollars per household using the fuel)					
		Total U.S. <sup>b</sup>	Total	Electricity	Natural gas	Propane	Fuel oil or kerosene	Total	Electricity	Natural gas	Propane	Fuel oil or kerosene			
<b>All homes</b>	123.53	232.76	170.47	73%	47.21	20%	8.12	3%	6.95	3%	1,884	1,380	630	735	1,224
Missouri	2.43	4.64	3.41	74%	1.11	24%	0.12	3%	N	N	1,909	1,405	720	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	523	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	820	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	735	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	924	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	577	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	706	1,122	1,245
Oklahoma	1.49	2.69	2.12	79%	0.49	18%	0.08	3%	N	N	1,803	1,418	537	558	N
Oregon	1.65	2.72	2.19	80%	0.45	17%	0.05	2%	Q	Q	1,642	1,322	569	448	Q
Pennsylvania	5.13	10.33	6.70	65%	2.34	23%	0.47	5%	0.83	8%	2,015	1,307	801	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	457	484	Q
South Dakota	0.35	0.59	0.44	75%	0.10	17%	0.04	7%	Q	Q	1,709	1,275	465	814	Q
Tennessee	2.66	4.67	4.00	86%	0.55	12%	0.11	2%	Q	Q	1,759	1,506	506	484	Q
Texas	10.26	18.46	15.77	85%	2.38	13%	0.30	2%	Q	Q	1,800	1,538	433	517	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	714	579	838
Washington	2.94	4.29	3.28	76%	0.88	20%	0.12	3%	Q	Q	1,461	1,117	675	526	Q
West Virginia	0.70	1.38	1.09	79%	0.22	16%	0.04	3%	Q	Q	1,976	1,567	660	469	Q
Wisconsin	2.39	4.25	2.95	69%	0.97	23%	0.29	7%	Q	Q	1,779	1,233	542	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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	Number of housing units (million)	Total energy expenditures <sup>a</sup> (billion dollars and percentages of totals)					Average energy expenditures <sup>a</sup> (dollars per household using the fuel)								
		Total U.S. <sup>b</sup>	Total	Electricity	Natural gas	Propane	Fuel oil or kerosene	Total	Electricity	Natural gas	Propane	Fuel oil or kerosene			
<b>All homes</b>	123.53	232.76	170.47	73%	47.21	20%	8.12	3%	6.95	3%	1,884	1,380	630	735	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.

<sup>a</sup> Consumption and expenditures for biomass (wood), coal, district steam, and solar thermal are excluded.

<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.

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

**CE2.6.ST Relative standard errors (RSEs) for Annual household fuel expenditures in United States homes by state—totals and averages, 2020**

	RSEs for number of housing units	RSEs for total energy expenditures <sup>a</sup>									RSEs for average energy expenditures <sup>a</sup>				
		Total U.S. <sup>b</sup>	Total	Electricity	Natural gas	Propane	Fuel oil or kerosene		Total	Electricity	Natural gas	Propane	Fuel oil or kerosene		
<b>All homes</b>	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	2.63	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	20.05	107.06
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	31.88	6.75
Arizona	0.00	2.17	2.51	0.77	4.35	5.01	22.91	22.32	20.25	101.15	2.17	2.51	3.11	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	4.98	18.38	0.00
California	0.00	1.58	1.94	0.80	2.29	1.98	16.84	16.93	20.14	101.21	1.58	1.94	2.22	13.44	0.00
Colorado	0.00	2.74	3.10	1.65	3.42	3.80	36.86	35.88	22.86	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	5.65	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	12.99	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	6.47	20.76	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	4.42	14.14	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	8.94	22.05	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	97.50	1.98	2.45	2.70	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	18.09	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	7.15	27.51	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	4.86	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	3.30	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	2.86	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	19.31	101.13	3.34	3.43	6.56	20.17	0.00

**CE2.6.ST Relative standard errors (RSEs) for Annual household fuel expenditures in United States homes by state—totals and averages, 2020**

	RSEs for number of housing units	RSEs for total energy expenditures <sup>a</sup>						RSEs for average energy expenditures <sup>a</sup>							
	Total U.S. <sup>b</sup>	Total	Electricity	Natural gas	Propane	Fuel oil or kerosene	Total	Electricity	Natural gas	Propane	Fuel oil or kerosene				
<b>All homes</b>	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	2.63	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	2.77	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	9.43	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	4.11	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	3.93	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	3.07	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	2.99	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	5.13	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	3.26	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	14.25	100.21	2.56	2.81	5.28	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	5.08	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	5.88	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	2.47	12.89	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	4.59	16.19	16.11
Washington	0.00	2.52	2.81	1.52	6.08	5.60	26.55	25.82	14.50	100.29	2.52	2.81	3.37	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	4.69	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	2.07	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

**CE2.6.ST Relative standard errors (RSEs) for Annual household fuel expenditures in United States homes by state—totals and averages, 2020**

	RSEs for number of housing units	RSEs for total energy expenditures <sup>a</sup>					RSEs for average energy expenditures <sup>a</sup>								
		Total U.S. <sup>b</sup>	Total	Electricity	Natural gas	Propane	Fuel oil or kerosene	Total	Electricity	Natural gas	Propane	Fuel oil or kerosene			
<b>All homes</b>	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	2.63	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*

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

<sup>a</sup> Consumption and expenditures for biomass (wood), coal, district steam, and solar thermal are excluded.

<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.