

Data release date: June 2023

CE4.11.NG.ST Annual household natural gas end-use expenditures in the United States by state—totals and percentages, 2020

	Number of housing units (million)	Total natural gas expenditures (billion dollars)						
	Total U.S. ^a	Total	Space heating ^b		Water heating		Other ^c	
All homes	123.53	47.21	30.45	64%	13.24	28%	3.53	7%
Alabama	1.90	0.46	0.29	64%	0.12	27%	0.04	9%
Alaska	0.26	0.22	0.17	74%	0.05	23%	0.01	3%
Arizona	2.68	0.60	0.25	42%	0.24	41%	0.10	17%
Arkansas	1.14	0.40	0.29	72%	0.09	23%	0.02	5%
California	13.18	5.86	2.29	39%	2.81	48%	0.77	13%
Colorado	2.26	0.88	0.63	72%	0.22	26%	0.02	3%
Connecticut	1.38	0.57	0.37	64%	0.18	31%	0.03	5%
Delaware	0.38	0.12	0.09	75%	0.02	20%	0.01	4%
District of Columbia	0.32	0.11	0.07	60%	0.03	28%	0.01	12%
Florida	8.06	0.45	0.09	20%	0.25	56%	0.11	24%
Georgia	3.88	1.62	1.08	67%	0.41	25%	0.13	8%
Hawaii	0.47	0.05	Q	Q	0.04	83%	0.01	17%
Idaho	0.66	0.21	0.15	69%	0.05	25%	0.01	5%
Illinois	4.90	2.79	2.14	77%	0.53	19%	0.13	5%
Indiana	2.60	1.22	0.94	77%	0.23	19%	0.05	4%
Iowa	1.28	0.47	0.37	79%	0.09	18%	0.01	3%
Kansas	1.13	0.53	0.40	75%	0.12	23%	0.01	2%
Kentucky	1.74	0.52	0.38	74%	0.11	22%	0.02	4%
Louisiana	1.73	0.35	0.15	42%	0.14	40%	0.06	18%
Maine	0.56	0.09	0.07	76%	0.02	22%	*	2%
Maryland	2.28	0.90	0.63	70%	0.21	23%	0.06	7%
Massachusetts	2.71	1.51	1.03	68%	0.39	26%	0.08	5%
Michigan	3.92	2.19	1.76	80%	0.35	16%	0.08	4%
Minnesota	2.23	0.98	0.76	78%	0.19	19%	0.03	3%
Mississippi	1.08	0.21	0.14	64%	0.07	32%	0.01	3%
Missouri	2.43	1.11	0.87	78%	0.21	19%	0.03	3%
Montana	0.43	0.15	0.11	72%	0.04	26%	*	2%
Nebraska	0.77	0.31	0.22	72%	0.08	26%	0.01	2%
Nevada	1.14	0.45	0.22	48%	0.16	36%	0.07	16%
New Hampshire	0.54	0.13	0.10	72%	0.03	23%	0.01	5%

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All homes	123.53	47.21	30.45	64%	13.24	28%	3.53	7%
New Jersey	3.39	2.04	1.36	67%	0.49	24%	0.19	9%
New Mexico	0.79	0.28	0.19	67%	0.08	29%	0.01	4%
New York	7.52	5.39	3.10	57%	1.69	31%	0.60	11%
North Carolina	4.01	0.84	0.61	72%	0.20	23%	0.04	4%
North Dakota	0.32	0.07	0.06	82%	0.01	17%	*	1%
Ohio	4.74	2.32	1.81	78%	0.45	20%	0.06	2%
Oklahoma	1.49	0.49	0.31	64%	0.15	30%	0.03	6%
Oregon	1.65	0.45	0.31	69%	0.13	28%	0.02	3%
Pennsylvania	5.13	2.34	1.74	74%	0.48	21%	0.11	5%
Rhode Island	0.42	0.29	0.21	74%	0.07	23%	0.01	3%
South Carolina	1.97	0.35	0.23	65%	0.09	25%	0.04	10%
South Dakota	0.35	0.10	0.08	78%	0.02	21%	*	1%
Tennessee	2.66	0.55	0.40	73%	0.11	19%	0.04	7%
Texas	10.26	2.38	1.27	53%	0.86	36%	0.25	10%
Utah	1.04	0.62	0.41	66%	0.17	28%	0.04	6%
Vermont	0.26	0.06	0.04	68%	0.02	28%	*	4%
Virginia	3.24	1.03	0.68	66%	0.25	25%	0.09	9%
Washington	2.94	0.88	0.57	65%	0.27	30%	0.04	5%
West Virginia	0.70	0.22	0.18	82%	0.03	15%	0.01	3%
Wisconsin	2.39	0.97	0.78	80%	0.16	16%	0.03	3%
Wyoming	0.23	0.12	0.09	78%	0.02	21%	*	2%

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All homes	123.53	47.21	30.45	64%	13.24	28%	3.53	7%

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. 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 *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.

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

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

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 0.005 and rounds to zero.

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Relative standard errors (RSEs) for CE4.11.NG.ST Annual household natural gas end-use expenditures in the United States by state—totals and percentages, 2020

	RSEs for number of housing units	RSEs for total natural gas expenditures						
	Total U.S. ^a	Total	Space heating ^b		Water heating		Other ^c	
All homes	0.00	0.89	0.95	0.38	1.10	0.78	3.00	2.66
Alabama	0.00	11.47	14.04	5.30	13.81	10.47	23.07	23.24
Alaska	0.00	5.23	5.19	1.06	6.78	3.58	12.35	11.49
Arizona	0.00	4.35	6.44	4.30	5.64	4.31	12.73	11.86
Arkansas	0.00	8.67	10.09	3.10	9.00	6.87	27.35	27.35
California	0.00	2.29	3.53	2.06	2.47	2.52	8.43	7.41
Colorado	0.00	3.42	4.00	1.29	4.66	3.90	19.32	19.53
Connecticut	0.00	8.55	10.06	3.67	9.80	7.13	17.51	16.06
Delaware	0.00	12.40	13.15	2.91	15.03	9.69	24.44	23.19
District of Columbia	0.00	7.91	10.40	4.44	8.29	7.06	22.02	21.51
Florida	0.00	11.11	18.93	16.19	12.98	8.26	24.48	20.85
Georgia	0.00	7.01	7.64	2.44	7.96	6.13	19.87	17.54
Hawaii	0.00	14.72	14.28	101.34	16.39	4.68	23.90	22.80
Idaho	0.00	5.72	5.61	2.52	7.16	5.06	33.05	30.95
Illinois	0.00	3.09	3.45	1.05	4.62	3.89	7.32	7.21
Indiana	0.00	3.99	4.17	1.56	7.10	5.78	17.61	16.88
Iowa	0.00	5.14	5.56	1.09	6.03	4.84	14.29	13.69
Kansas	0.00	5.53	5.89	1.78	7.67	5.64	29.53	29.20
Kentucky	0.00	4.81	5.17	1.88	6.38	5.35	27.12	25.86
Louisiana	0.00	10.36	12.45	7.19	9.01	8.25	28.80	23.78
Maine	0.00	16.56	17.52	3.08	17.77	10.38	32.17	30.98
Maryland	0.00	7.20	7.32	1.93	8.48	4.49	17.71	15.72
Massachusetts	0.00	4.98	5.65	1.67	5.77	3.88	12.11	12.15
Michigan	0.00	4.36	4.27	0.81	5.61	3.45	15.12	13.56
Minnesota	0.00	4.80	4.87	0.99	5.82	3.70	22.82	21.77
Mississippi	0.00	12.36	14.27	5.85	15.60	11.33	18.43	14.54
Missouri	0.00	6.07	6.30	1.23	7.41	4.61	14.59	14.04
Montana	0.00	8.51	9.33	2.25	8.98	5.86	17.22	15.44
Nebraska	0.00	5.96	6.73	1.92	6.43	5.81	38.47	36.97
Nevada	0.00	6.47	8.36	5.38	6.36	6.45	21.62	18.53
New Hampshire	0.00	15.01	16.21	3.24	15.67	8.29	28.16	28.02

Relative standard errors (RSEs) for CE4.11.NG.ST Annual household natural gas end-use expenditures in the United States by state—totals and percentages, 2020

	RSEs for number of housing units	RSEs for total natural gas expenditures						
	Total U.S. ^a	Total	Space heating ^b	Water heating	Other ^c			
All homes	0.00	0.89	0.95	0.38	1.10	0.78	3.00	2.66
New Jersey	0.00	4.08	4.46	1.87	3.77	3.82	18.22	16.67
New Mexico	0.00	5.49	5.90	1.89	7.18	4.90	17.15	16.40
New York	0.00	4.17	4.13	2.26	5.90	3.29	9.77	8.35
North Carolina	0.00	7.13	7.47	2.23	9.77	6.52	19.13	18.27
North Dakota	0.00	7.34	7.62	1.29	8.90	5.86	20.98	21.11
Ohio	0.00	4.34	4.76	1.30	6.22	5.29	15.62	15.06
Oklahoma	0.00	5.92	6.82	3.11	8.12	5.65	19.31	18.81
Oregon	0.00	8.21	8.04	2.22	10.72	5.61	14.45	11.06
Pennsylvania	0.00	4.15	4.48	1.49	5.06	4.06	15.92	14.64
Rhode Island	0.00	9.07	9.49	1.71	10.19	5.55	13.73	12.47
South Carolina	0.00	8.79	9.42	4.50	12.41	8.64	27.03	24.95
South Dakota	0.00	7.86	8.62	2.36	10.38	8.26	25.10	25.41
Tennessee	0.00	7.98	7.77	2.61	9.61	8.18	33.28	29.96
Texas	0.00	3.56	4.45	2.43	4.30	3.08	12.70	12.00
Utah	0.00	5.17	6.30	3.09	5.05	5.53	32.95	31.39
Vermont	0.00	13.24	14.11	3.59	14.44	8.30	25.82	21.56
Virginia	0.00	6.49	6.26	2.72	8.14	6.04	22.51	19.12
Washington	0.00	6.08	6.55	2.12	7.39	4.60	17.44	16.35
West Virginia	0.00	9.95	10.38	1.80	12.87	9.87	24.21	22.17
Wisconsin	0.00	3.74	4.06	1.24	6.25	5.53	15.07	14.53
Wyoming	0.00	5.99	6.55	1.41	7.11	5.72	31.35	31.12

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 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.

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

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