

Data release date: June 2023

CE5.6.ST Detailed household natural gas, propane, and fuel oil or kerosene end-use expenditures in the United States by state—totals, 2020

**Total site energy expenditures
(billion dollars)**

	Natural gas			Propane			Fuel oil or kerosene				
	Space heating ^a	Water heating	Clothes dryers ^b	Cooking ^c	Pool heaters	Hot tub heaters	Space heating ^a	Water heating	Cooking ^c	Space heating ^a	Water heating
All homes	30.45	13.24	0.45	1.36	0.56	0.07	5.36	1.60	0.29	5.51	0.95
Alabama	0.29	0.12	Q	0.01	Q	Q	0.07	Q	*	Q	N
Alaska	0.17	0.05	*	*	N	Q	Q	*	*	0.10	0.02
Arizona	0.25	0.24	0.01	0.02	0.03	*	0.03	0.03	*	Q	Q
Arkansas	0.29	0.09	*	0.01	Q	Q	0.04	0.01	*	N	N
California	2.29	2.81	0.14	0.26	0.13	0.02	0.27	0.19	0.02	N	Q
Colorado	0.63	0.22	*	0.01	N	Q	0.10	0.02	Q	N	Q
Connecticut	0.37	0.18	*	0.02	N	Q	0.07	0.02	0.01	0.64	0.09
Delaware	0.09	0.02	Q	*	Q	Q	0.03	0.01	*	0.03	Q
District of Columbia	0.07	0.03	*	0.01	Q	Q	N	Q	N	Q	Q
Florida	0.09	0.25	0.01	0.03	Q	Q	Q	0.04	0.02	N	N
Georgia	1.08	0.41	0.01	0.06	Q	Q	0.14	0.05	0.01	Q	N
Hawaii	Q	0.04	Q	0.01	N	Q	Q	0.02	*	N	N
Idaho	0.15	0.05	*	*	Q	Q	0.05	Q	*	Q	N
Illinois	2.14	0.53	0.03	0.07	Q	Q	0.23	0.03	0.01	Q	N
Indiana	0.94	0.23	0.01	0.02	Q	Q	0.19	0.03	0.01	Q	Q
Iowa	0.37	0.09	*	0.01	N	Q	0.16	0.03	*	Q	N
Kansas	0.40	0.12	*	*	N	Q	0.05	0.02	*	N	N
Kentucky	0.38	0.11	*	0.01	Q	Q	0.06	Q	*	Q	N
Louisiana	0.15	0.14	0.01	0.01	Q	Q	Q	Q	Q	N	N
Maine	0.07	0.02	Q	*	N	N	0.11	0.03	0.01	0.28	0.06

CE5.6.ST Detailed household natural gas, propane, and fuel oil or kerosene end-use expenditures in the United States by state—totals, 2020

**Total site energy expenditures
(billion dollars)**

	Natural gas				Propane			Fuel oil or kerosene			
	Space heating ^a	Water heating	Clothes dryers ^b	Cooking ^c	Pool heaters	Hot tub heaters	Space heating ^a	Water heating	Cooking ^c	Space heating ^a	Water heating
All homes	30.45	13.24	0.45	1.36	0.56	0.07	5.36	1.60	0.29	5.51	0.95
Maryland	0.63	0.21	*	0.03	Q	Q	Q	Q	*	0.18	Q
Massachusetts	1.03	0.39	0.01	0.04	Q	Q	0.09	0.03	0.01	0.79	0.14
Michigan	1.76	0.35	0.02	0.03	Q	Q	0.43	0.07	0.01	0.11	Q
Minnesota	0.76	0.19	0.01	0.01	Q	Q	0.30	0.02	*	Q	N
Mississippi	0.14	0.07	Q	*	N	Q	0.09	0.03	0.01	Q	N
Missouri	0.87	0.21	0.01	0.01	N	Q	0.09	Q	*	N	N
Montana	0.11	0.04	Q	*	N	Q	0.03	Q	*	Q	Q
Nebraska	0.22	0.08	Q	*	N	Q	0.02	Q	Q	N	N
Nevada	0.22	0.16	0.01	0.02	0.02	*	0.04	0.03	Q	N	N
New Hampshire	0.10	0.03	Q	*	N	Q	0.10	0.05	0.01	0.28	0.04
New Jersey	1.36	0.49	0.02	0.05	0.04	Q	Q	Q	*	0.23	0.04
New Mexico	0.19	0.08	*	0.01	Q	Q	0.04	0.04	*	N	N
New York	3.10	1.69	0.04	0.32	Q	Q	0.45	0.12	0.04	1.31	0.34
North Carolina	0.61	0.20	*	0.01	Q	Q	0.21	0.05	0.01	0.06	N
North Dakota	0.06	0.01	Q	*	N	Q	0.05	*	*	0.01	Q
Ohio	1.81	0.45	0.01	0.03	Q	Q	0.41	0.06	Q	0.16	Q
Oklahoma	0.31	0.15	*	0.01	Q	Q	0.04	0.03	0.01	N	N
Oregon	0.31	0.13	*	0.01	N	Q	0.03	Q	*	Q	N
Pennsylvania	1.74	0.48	0.02	0.04	Q	Q	0.31	0.07	0.02	0.68	0.09
Rhode Island	0.21	0.07	*	0.01	N	Q	Q	Q	*	0.14	0.02

CE5.6.ST Detailed household natural gas, propane, and fuel oil or kerosene end-use expenditures in the United States by state—totals, 2020

**Total site energy expenditures
(billion dollars)**

	Natural gas			Propane			Fuel oil or kerosene				
	Space heating ^a	Water heating	Clothes dryers ^b	Cooking ^c	Pool heaters	Hot tub heaters	Space heating ^a	Water heating	Cooking ^c	Space heating ^a	Water heating
All homes	30.45	13.24	0.45	1.36	0.56	0.07	5.36	1.60	0.29	5.51	0.95
South Carolina	0.23	0.09	Q	0.01	Q	Q	0.07	Q	0.01	Q	N
South Dakota	0.08	0.02	Q	*	N	N	0.04	0.01	Q	Q	N
Tennessee	0.40	0.11	*	0.01	Q	Q	0.07	0.02	*	Q	N
Texas	1.27	0.86	0.03	0.08	0.05	0.01	0.14	0.11	0.02	N	Q
Utah	0.41	0.17	*	0.01	Q	Q	Q	Q	Q	N	N
Vermont	0.04	0.02	*	*	N	Q	0.05	0.02	0.01	0.14	0.02
Virginia	0.68	0.25	*	0.03	Q	Q	0.17	0.07	0.01	0.14	Q
Washington	0.57	0.27	*	0.02	N	Q	0.07	0.04	0.01	Q	N
West Virginia	0.18	0.03	*	*	Q	Q	0.04	Q	*	Q	N
Wisconsin	0.78	0.16	*	0.01	Q	Q	0.25	0.01	*	Q	Q
Wyoming	0.09	0.02	*	*	N	Q	0.03	Q	Q	N	N

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 the definitions of terms used in these tables. Differences in estimates between states may not be statistically significant.

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

^b *Clothes dryers* excludes electricity used for controls and spinning the drum.

^c *Cooking* includes ranges (units with both a cooktop and an oven), separate cooktops, and separate ovens. Microwaves, small kitchen appliances, and outdoor cooking 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.

* = Estimate is less than 0.005 and rounds to zero.

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Relative standard errors (RSEs) for CE5.6.ST Detailed household natural gas, propane, and fuel oil or kerosene end-use expenditures in the United States by state—totals, 2020

	RSEs for total site energy expenditures										
	Natural gas				Propane			Fuel oil or kerosene			
	Space heating ^a	Water heating	Clothes dryers ^b	Cooking ^c	Pool heaters	Hot tub heaters	Space heating ^a	Water heating	Cooking ^c	Space heating ^a	Water heating
All homes	0.95	1.10	2.90	2.02	9.80	10.44	4.34	5.05	3.91	3.54	5.46
Alabama	14.04	13.81	51.14	21.81	70.56	59.74	30.43	40.75	37.99	76.41	0.00
Alaska	5.19	6.78	13.89	9.67	0.00	51.29	51.67	34.18	21.82	12.13	15.58
Arizona	6.44	5.64	15.88	11.41	29.27	31.43	32.64	25.60	29.86	20.25	20.25
Arkansas	10.09	9.00	31.09	15.95	15.36	15.07	26.14	36.48	28.08	0.00	0.00
California	3.53	2.47	5.68	2.80	21.52	26.17	21.98	16.80	20.01	0.00	20.14
Colorado	4.00	4.66	45.64	12.06	0.00	15.57	38.10	36.43	46.59	0.00	22.86
Connecticut	10.06	9.80	27.61	18.11	0.00	17.85	23.51	31.03	26.20	9.07	11.99
Delaware	13.15	15.03	51.31	18.69	13.75	15.37	28.48	26.37	27.52	31.73	45.38
District of Columbia	10.40	8.29	32.06	9.38	14.37	13.51	0.00	12.99	0.00	64.20	70.46
Florida	18.93	12.98	30.34	21.48	44.12	49.91	72.07	32.95	26.59	0.00	0.00
Georgia	7.64	7.96	23.23	13.11	46.38	45.07	22.95	34.14	30.38	97.30	0.00
Hawaii	14.28	16.39	46.02	22.83	0.00	15.18	15.58	32.32	27.92	0.00	0.00
Idaho	5.61	7.16	33.02	13.60	46.58	71.63	30.14	38.70	35.55	69.28	0.00
Illinois	3.45	4.62	8.52	9.09	48.03	60.78	22.80	27.78	26.26	97.51	0.00
Indiana	4.17	7.10	13.35	9.83	60.04	69.86	21.84	29.56	34.74	91.82	71.58
Iowa	5.56	6.03	18.05	16.10	0.00	66.49	15.97	17.78	23.67	18.09	0.00
Kansas	5.89	7.67	34.01	15.91	0.00	15.36	29.21	25.44	37.59	0.00	0.00
Kentucky	5.17	6.38	30.83	13.21	71.93	14.10	23.32	48.74	35.24	49.78	0.00
Louisiana	12.45	9.01	23.61	11.76	60.07	61.58	76.36	49.63	40.96	0.00	0.00
Maine	17.52	17.77	20.16	34.79	0.00	0.00	16.19	15.52	14.01	7.65	9.20

Relative standard errors (RSEs) for CE5.6.ST Detailed household natural gas, propane, and fuel oil or kerosene end-use expenditures in the United States by state—totals, 2020

RSEs for total site energy expenditures

	Natural gas				Propane			Fuel oil or kerosene			
	Space heating ^a	Water heating	Clothes dryers ^b	Cooking ^c	Pool heaters	Hot tub heaters	Space heating ^a	Water heating	Cooking ^c	Space heating ^a	Water heating
All homes	0.95	1.10	2.90	2.02	9.80	10.44	4.34	5.05	3.91	3.54	5.46
Maryland	7.32	8.48	21.31	12.03	14.18	51.73	55.43	42.33	29.96	18.78	41.43
Massachusetts	5.65	5.77	12.50	7.53	14.31	53.25	26.59	28.63	22.62	8.02	12.00
Michigan	4.27	5.61	10.51	9.21	55.52	92.12	18.94	25.26	22.74	37.30	57.19
Minnesota	4.87	5.82	13.93	11.69	15.42	65.88	14.21	30.79	27.06	49.61	0.00
Mississippi	14.27	15.60	40.94	19.20	0.00	68.63	28.64	35.47	31.85	19.31	0.00
Missouri	6.30	7.41	22.32	14.49	0.00	78.80	21.58	34.74	41.30	0.00	0.00
Montana	9.33	8.98	45.95	16.72	0.00	22.64	28.56	36.71	33.09	70.84	23.61
Nebraska	6.73	6.43	55.44	21.54	0.00	15.30	37.45	50.71	54.41	0.00	0.00
Nevada	8.36	6.36	10.40	11.28	24.45	26.11	37.54	35.29	41.32	0.00	0.00
New Hampshire	16.21	15.67	41.09	25.87	0.00	68.54	19.78	16.55	17.89	11.74	18.03
New Jersey	4.46	3.77	8.33	5.95	23.81	52.12	42.94	36.96	34.24	19.26	29.50
New Mexico	5.90	7.18	36.02	12.08	78.60	83.93	42.12	31.50	33.41	0.00	0.00
New York	4.13	5.90	10.90	7.76	39.93	55.12	16.32	17.50	12.10	10.47	10.77
North Carolina	7.47	9.77	41.87	15.05	14.59	15.49	24.30	28.62	36.71	35.62	0.00
North Dakota	7.62	8.90	43.86	20.71	0.00	75.03	15.81	22.60	26.01	39.75	15.91
Ohio	4.76	6.22	23.81	10.68	71.32	82.89	20.44	24.95	53.26	33.31	15.49
Oklahoma	6.82	8.12	30.51	17.01	72.79	58.44	38.00	32.48	28.78	0.00	0.00
Oregon	8.04	10.72	29.33	15.58	0.00	59.04	38.78	46.48	33.48	47.51	0.00
Pennsylvania	4.48	5.06	11.02	10.22	40.96	67.27	17.18	24.47	18.73	10.56	18.74
Rhode Island	9.49	10.19	24.93	14.12	0.00	34.87	42.07	59.87	42.38	11.74	16.20

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RSEs for total site energy expenditures

	Natural gas				Propane			Fuel oil or kerosene			
	Space heating ^a	Water heating	Clothes dryers ^b	Cooking ^c	Pool heaters	Hot tub heaters	Space heating ^a	Water heating	Cooking ^c	Space heating ^a	Water heating
All homes	0.95	1.10	2.90	2.02	9.80	10.44	4.34	5.05	3.91	3.54	5.46
South Carolina	9.42	12.41	39.42	18.22	86.66	14.36	24.93	44.28	31.28	14.25	0.00
South Dakota	8.62	10.38	60.80	24.06	0.00	0.00	21.49	32.24	40.34	74.35	0.00
Tennessee	7.77	9.61	34.71	18.74	71.99	58.43	25.27	32.92	31.56	77.49	0.00
Texas	4.45	4.30	12.05	5.14	22.44	19.86	21.65	17.29	17.11	0.00	79.06
Utah	6.30	5.05	18.85	12.77	54.69	89.24	18.56	81.70	72.47	0.00	0.00
Vermont	14.11	14.44	32.36	25.54	0.00	91.35	17.62	12.87	12.27	8.91	12.82
Virginia	6.26	8.14	28.02	11.85	60.82	69.67	20.75	27.88	25.46	26.05	59.66
Washington	6.55	7.39	22.51	13.28	0.00	43.62	31.44	32.88	31.43	14.50	0.00
West Virginia	10.38	12.87	38.58	20.75	14.03	14.95	39.78	76.73	33.35	44.64	0.00
Wisconsin	4.06	6.25	15.94	12.55	56.55	89.36	15.39	40.74	36.01	51.76	12.11
Wyoming	6.55	7.11	32.75	18.76	0.00	90.78	31.83	34.07	45.36	0.00	0.00

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 the definitions of terms used in these tables.

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

^b *Clothes dryers* excludes electricity used for controls and spinning the drum.

^c *Cooking* includes ranges (units with both a cooktop and an oven), separate cooktops, and separate ovens. Microwaves, small kitchen appliances, and outdoor cooking are excluded.