

CE5.5.ST Detailed household electricity end-use expenditures in the United States by state—totals, 2020

	Total site electricity expenditures ^a (billion dollars)														
	Space heating ^b	Air handlers for heating	Air conditioning ^c	Air handlers for cooling	Water heating	Cooking ^d	All refrigerators	Most used refrigerators	Second refrigerators	Separate freezers	Clothes washers	Clothes dryers	All TVs and related ^e	Most-used TVs	Lighting
All homes	19.46	3.30	32.77	4.77	19.54	3.08	14.27	10.65	2.81	3.04	0.95	7.19	10.39	3.48	10.95
Alabama	0.53	0.02	0.71	0.11	0.51	0.06	0.23	0.16	0.05	0.08	0.02	0.16	0.18	0.06	0.18
Alaska	0.04	0.02	*	Q	0.05	0.01	0.04	0.04	0.01	0.02	*	0.02	0.03	0.01	0.04
Arizona	0.27	0.02	1.66	0.25	0.46	0.06	0.32	0.23	0.07	0.05	0.02	0.17	0.22	0.08	0.22
Arkansas	0.29	0.02	0.35	0.05	0.24	0.04	0.11	0.08	0.02	0.04	0.01	0.09	0.08	0.03	0.10
California	0.56	0.16	2.77	0.40	0.84	0.24	1.96	1.48	0.37	0.23	0.11	0.48	1.35	0.43	1.25
Colorado	0.18	0.08	0.26	0.04	0.14	0.05	0.21	0.16	0.04	0.04	0.01	0.13	0.14	0.04	0.16
Connecticut	0.26	0.08	0.33	0.04	0.24	0.06	0.22	0.17	0.04	0.04	0.02	0.13	0.19	0.06	0.15
Delaware	0.08	0.01	0.08	0.01	0.08	0.01	0.04	0.03	0.01	0.01	*	0.02	0.03	0.01	0.03
District of Columbia	0.03	*	0.05	0.01	0.04	*	0.02	0.02	*	*	*	0.01	0.01	0.01	0.02
Florida	0.97	0.02	3.80	0.60	1.89	0.22	0.84	0.61	0.18	0.13	0.05	0.48	0.57	0.18	0.53
Georgia	0.73	0.06	1.44	0.23	0.97	0.11	0.46	0.34	0.10	0.11	0.03	0.29	0.38	0.12	0.42
Hawaii	*	Q	0.17	0.01	0.17	0.02	0.11	0.07	0.02	0.02	0.01	0.04	0.06	0.02	0.05
Idaho	0.11	0.02	0.07	0.01	0.12	0.02	0.06	0.04	0.01	0.02	*	0.05	0.04	0.01	0.05
Illinois	0.56	0.23	0.92	0.14	0.37	0.07	0.53	0.40	0.10	0.11	0.03	0.15	0.38	0.13	0.41
Indiana	0.69	0.13	0.59	0.10	0.49	0.07	0.32	0.23	0.07	0.09	0.02	0.19	0.23	0.08	0.23
Iowa	0.22	0.08	0.24	0.04	0.14	0.03	0.15	0.11	0.03	0.05	0.01	0.09	0.11	0.04	0.10
Kansas	0.16	0.04	0.36	0.06	0.13	0.04	0.14	0.09	0.03	0.04	0.01	0.09	0.09	0.03	0.11
Kentucky	0.51	0.04	0.43	0.07	0.38	0.05	0.17	0.12	0.04	0.04	0.01	0.13	0.13	0.04	0.14
Louisiana	0.25	0.01	0.72	0.11	0.32	0.04	0.16	0.11	0.04	0.06	0.01	0.11	0.14	0.05	0.16
Maine	0.05	0.02	0.05	*	0.07	0.02	0.06	0.05	0.01	0.01	*	0.05	0.05	0.02	0.05
Maryland	0.58	0.05	0.50	0.08	0.45	0.06	0.24	0.18	0.05	0.05	0.01	0.12	0.19	0.06	0.19
Massachusetts	0.41	0.12	0.59	0.05	0.34	0.10	0.39	0.30	0.06	0.05	0.03	0.20	0.29	0.09	0.29
Michigan	0.49	0.35	0.75	0.11	0.45	0.10	0.56	0.42	0.11	0.14	0.04	0.19	0.40	0.14	0.41
Minnesota	0.33	0.14	0.29	0.04	0.33	0.06	0.24	0.18	0.05	0.09	0.02	0.13	0.16	0.05	0.20
Mississippi	0.25	0.01	0.41	0.07	0.23	0.03	0.11	0.08	0.02	0.04	0.01	0.07	0.09	0.03	0.09
Missouri	0.55	0.08	0.64	0.11	0.38	0.07	0.26	0.19	0.06	0.08	0.02	0.16	0.17	0.06	0.21
Montana	0.09	0.02	0.03	*	0.06	0.01	0.04	0.03	0.01	0.02	*	0.03	0.02	0.01	0.03
Nebraska	0.16	0.03	0.13	0.02	0.07	0.02	0.08	0.05	0.02	0.03	0.01	0.05	0.05	0.02	0.05
Nevada	0.06	0.01	0.43	0.06	0.08	0.02	0.12	0.09	0.02	0.02	0.01	0.05	0.09	0.03	0.09
New Hampshire	0.03	0.03	0.08	*	0.09	0.02	0.08	0.06	0.01	0.01	0.01	0.05	0.05	0.02	0.05

CE5.5.ST Detailed household electricity end-use expenditures in the United States by state—totals, 2020

**Total site electricity expenditures^a
(billion dollars)**

	Space heating ^b	Air handlers for heating	Air conditioning ^c	Air handlers for cooling	Water heating	Cooking ^d	All refrigerators	Most used refrigerators	Second refrigerators	Separate freezers	Clothes washers	Clothes dryers	All TVs and related ^e	Most-used TVs	Lighting
All homes	19.46	3.30	32.77	4.77	19.54	3.08	14.27	10.65	2.81	3.04	0.95	7.19	10.39	3.48	10.95
New Jersey	0.31	0.10	0.92	0.13	0.32	0.05	0.45	0.32	0.09	0.06	0.03	0.12	0.33	0.10	0.36
New Mexico	0.07	0.02	0.15	0.02	0.04	0.02	0.08	0.06	0.01	0.02	0.01	0.05	0.05	0.02	0.05
New York	0.76	0.23	1.75	0.12	0.78	0.14	1.02	0.83	0.15	0.13	0.05	0.29	0.75	0.26	0.82
North Carolina	0.95	0.05	1.03	0.18	1.00	0.13	0.39	0.30	0.08	0.09	0.03	0.28	0.28	0.10	0.31
North Dakota	0.09	0.02	0.03	*	0.06	0.01	0.03	0.02	0.01	0.01	*	0.02	0.02	0.01	0.02
Ohio	0.88	0.20	0.80	0.12	0.60	0.11	0.46	0.35	0.09	0.11	0.03	0.27	0.37	0.13	0.35
Oklahoma	0.34	0.03	0.48	0.08	0.20	0.04	0.14	0.10	0.03	0.04	0.01	0.10	0.11	0.04	0.13
Oregon	0.40	0.03	0.16	0.02	0.47	0.05	0.17	0.12	0.03	0.05	0.01	0.11	0.11	0.04	0.15
Pennsylvania	1.06	0.16	0.93	0.11	0.87	0.13	0.55	0.40	0.11	0.14	0.04	0.28	0.44	0.14	0.42
Rhode Island	0.04	0.02	0.09	0.01	0.05	0.02	0.07	0.05	0.01	0.01	*	0.04	0.05	0.02	0.05
South Carolina	0.49	0.02	0.71	0.11	0.56	0.06	0.21	0.16	0.04	0.05	0.02	0.15	0.15	0.05	0.16
South Dakota	0.07	0.02	0.05	0.01	0.06	0.01	0.04	0.03	0.01	0.02	*	0.02	0.02	0.01	0.03
Tennessee	0.74	0.03	0.68	0.11	0.66	0.08	0.24	0.18	0.05	0.07	0.02	0.19	0.18	0.07	0.23
Texas	1.62	0.10	4.48	0.69	1.71	0.24	1.06	0.77	0.23	0.23	0.07	0.63	0.83	0.28	0.95
Utah	0.07	0.04	0.20	0.03	0.05	0.03	0.11	0.07	0.02	0.03	0.01	0.06	0.07	0.02	0.09
Vermont	0.02	0.01	0.02	*	0.05	0.01	0.04	0.03	0.01	0.01	*	0.02	0.02	0.01	0.02
Virginia	0.73	0.06	0.84	0.14	0.80	0.09	0.35	0.26	0.07	0.08	0.02	0.22	0.25	0.08	0.30
Washington	0.83	0.04	0.13	0.02	0.61	0.07	0.24	0.18	0.04	0.06	0.02	0.16	0.16	0.05	0.22
West Virginia	0.28	0.03	0.13	0.02	0.20	0.02	0.06	0.05	0.01	0.02	0.01	0.05	0.05	0.02	0.05
Wisconsin	0.26	0.17	0.32	0.05	0.34	0.06	0.29	0.21	0.06	0.09	0.02	0.15	0.21	0.07	0.20
Wyoming	0.05	0.01	0.02	*	0.03	0.01	0.02	0.02	*	0.01	*	0.02	0.01	*	0.02

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 Small amounts of standby power for devices that some households have but do not use (for example, dishwashers) are not included.

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

^c Includes electricity used by evaporative coolers.

^d 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.

^e All TVs and related includes TVs and peripherals such as cable and satellite boxes, DVRs, internet streaming devices, video game consoles, DVD or Blu-ray players, VCRs, and home theater or audio systems.

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.

Relative standard errors (RSEs) for CE5.5.ST Detailed household electricity end-use expenditures in the United States by state—totals, 2020

	RSEs for total site electricity expenditures ^a														
	Space heating ^b	Air handlers for heating	Air conditioning ^c	Air handlers for cooling	Water heating	Cooking ^d	All refrigerators	Most used refrigerators	Second refrigerators	Separate freezers	Clothes washers	Clothes dryers	All TVs and related ^e	Most-used TVs	Lighting
All homes	1.40	1.00	0.66	0.90	1.11	0.97	0.36	0.34	0.80	1.44	0.70	0.96	0.65	0.83	1.00
Alabama	7.94	10.40	4.59	5.85	6.38	6.67	3.75	1.87	9.94	10.35	5.72	7.65	4.32	5.16	7.28
Alaska	12.04	9.80	27.81	62.84	12.67	7.00	3.27	2.17	12.16	9.19	5.59	7.93	5.16	5.47	6.55
Arizona	8.44	7.68	2.96	3.85	6.80	5.38	2.26	1.52	6.15	8.49	3.69	4.75	3.45	3.70	7.50
Arkansas	8.00	9.35	5.42	9.35	7.58	7.58	3.24	2.13	9.97	8.06	6.92	8.43	4.87	7.16	7.61
California	8.58	4.80	3.98	4.96	9.13	4.26	1.57	1.23	4.34	7.53	3.11	5.21	2.96	2.47	4.29
Colorado	14.02	6.28	6.02	8.55	13.76	6.00	2.91	2.43	6.69	10.20	4.58	5.60	4.51	5.74	6.17
Connecticut	13.58	8.09	5.66	11.50	13.89	7.44	3.74	2.38	9.88	13.82	5.51	6.47	5.57	6.02	7.68
Delaware	14.28	13.53	5.93	8.60	10.53	8.72	3.79	2.70	11.96	15.73	6.17	7.48	6.99	6.76	7.77
District of Columbia	11.47	10.89	6.72	10.04	8.90	12.43	3.19	2.00	16.53	16.81	8.16	9.00	8.12	6.56	7.91
Florida	6.45	8.26	2.79	3.45	3.34	3.52	2.08	0.93	5.82	7.15	3.67	4.88	2.86	2.87	4.86
Georgia	7.54	6.96	4.62	5.97	6.91	5.35	2.64	1.65	7.36	7.21	4.01	4.79	4.43	4.47	5.57
Hawaii	48.53	59.17	9.42	21.12	6.78	7.32	3.53	2.60	8.92	12.26	6.40	10.67	5.17	5.96	11.14
Idaho	10.52	7.31	6.50	9.07	10.55	5.74	2.74	1.91	7.73	8.30	5.97	7.28	5.33	5.29	8.23
Illinois	11.77	3.72	2.96	4.32	9.87	7.81	2.31	1.46	7.58	7.28	4.07	7.07	3.44	3.14	5.15
Indiana	7.56	5.21	3.63	4.86	8.30	7.46	3.47	1.88	7.63	7.99	3.71	5.49	4.78	4.50	5.59
Iowa	14.04	5.71	4.03	4.86	12.52	8.16	3.42	2.60	8.15	8.37	5.05	8.00	3.94	4.46	6.90
Kansas	14.88	7.05	5.58	7.00	15.39	7.28	4.94	2.18	10.26	10.12	6.59	8.86	5.33	6.97	9.28
Kentucky	5.91	5.71	3.15	4.63	4.79	4.53	2.92	1.59	8.42	8.67	3.47	4.61	3.20	3.29	5.56
Louisiana	6.59	9.28	5.13	8.04	7.12	7.86	3.76	2.27	9.27	7.57	4.47	5.01	4.65	4.94	6.72
Maine	16.10	8.99	9.05	28.46	11.39	7.48	3.16	2.43	12.79	11.81	4.89	6.28	5.39	5.99	7.86
Maryland	8.24	6.04	4.43	5.71	5.54	7.63	2.51	1.54	7.87	9.30	4.64	5.50	4.52	4.62	6.86
Massachusetts	10.23	5.04	4.17	6.97	8.99	5.04	2.73	1.78	7.06	9.07	3.68	4.81	4.00	4.89	5.50
Michigan	16.50	4.29	5.81	6.81	12.53	5.94	3.07	2.06	7.77	8.31	4.74	8.52	3.60	3.58	8.25
Minnesota	15.92	6.62	4.42	6.24	10.13	5.37	3.11	1.98	8.72	8.57	5.71	8.37	4.61	4.60	6.89
Mississippi	10.38	13.97	5.15	6.38	8.02	7.84	4.47	3.00	11.52	11.03	5.75	7.88	7.06	9.47	7.17
Missouri	8.99	5.87	4.19	5.36	9.57	6.33	3.05	2.22	7.95	8.51	4.87	5.99	3.93	4.67	7.03
Montana	13.27	11.40	9.45	12.47	14.82	8.59	4.84	2.64	12.71	10.48	6.81	7.35	5.75	6.00	8.25
Nebraska	13.69	7.86	6.28	6.61	13.44	7.84	4.53	2.83	11.23	9.47	7.74	8.86	6.42	6.39	7.69
Nevada	17.09	9.53	6.71	8.32	17.07	9.71	3.92	2.45	10.81	13.49	5.55	10.43	5.75	5.00	6.57
New Hampshire	22.86	9.50	9.50	21.02	11.86	8.15	4.17	2.93	12.31	14.48	6.39	8.05	5.99	6.53	7.01

Relative standard errors (RSEs) for CE5.5.ST Detailed household electricity end-use expenditures in the United States by state—totals, 2020

RSEs for total site electricity expenditures^a

	Space heating ^b	Air handlers for heating	Air conditioning ^c	Air handlers for cooling	Water heating	Cooking ^d	All refrigerators	Most used refrigerators	Second refrigerators	Separate freezers	Clothes washers	Clothes dryers	All TVs and related ^e	Most-used TVs	Lighting
All homes	1.40	1.00	0.66	0.90	1.11	0.97	0.36	0.34	0.80	1.44	0.70	0.96	0.65	0.83	1.00
New Jersey	11.63	8.04	3.84	7.20	10.50	8.22	3.00	1.89	6.54	10.49	4.37	8.42	4.23	4.28	6.75
New Mexico	17.96	10.95	7.78	11.11	18.39	11.70	5.40	3.53	14.42	12.50	6.34	9.59	6.55	6.32	9.20
New York	8.08	4.48	3.88	8.85	6.08	6.93	2.04	1.74	5.68	8.16	3.92	5.99	3.27	3.67	5.20
North Carolina	5.44	6.15	3.57	3.98	3.69	4.87	2.59	1.59	7.75	8.84	3.32	3.88	3.63	4.10	5.40
North Dakota	8.64	6.72	6.37	8.84	7.80	4.73	2.81	1.81	8.00	6.25	5.87	6.58	4.56	5.15	6.69
Ohio	11.40	6.25	4.64	6.10	9.00	5.80	2.84	2.18	7.29	7.70	4.77	6.31	5.26	4.79	4.98
Oklahoma	12.27	6.01	4.50	5.70	11.05	9.30	4.12	2.28	10.76	10.26	6.11	7.59	5.50	4.96	7.98
Oregon	8.69	7.06	5.84	8.96	5.96	4.84	3.24	1.66	8.76	8.21	4.03	5.85	5.62	4.98	6.85
Pennsylvania	10.69	5.15	3.47	5.62	5.64	5.17	2.34	1.61	5.83	7.00	3.49	5.12	3.53	3.43	3.80
Rhode Island	21.23	8.31	7.05	16.37	16.54	8.28	5.55	2.75	14.76	18.88	7.19	9.27	5.48	5.60	9.21
South Carolina	6.02	6.42	3.87	5.03	4.85	4.82	3.32	1.45	9.82	9.93	4.09	4.95	4.29	4.84	7.06
South Dakota	13.79	9.40	6.67	7.89	11.00	6.54	4.68	2.56	10.26	6.98	5.66	6.52	5.89	7.04	8.24
Tennessee	5.08	6.60	3.44	4.26	4.12	3.62	2.90	1.48	8.16	7.65	3.50	3.81	3.12	3.41	5.79
Texas	4.93	3.59	2.22	3.13	3.87	4.51	1.87	1.05	4.50	6.53	2.41	3.36	2.49	2.43	3.32
Utah	20.64	7.53	6.25	7.21	24.70	8.14	4.68	2.65	10.96	8.44	4.95	8.73	6.36	7.42	9.09
Vermont	17.55	7.85	7.54	29.30	12.55	7.38	2.87	2.16	11.18	11.25	6.49	9.55	5.91	5.96	7.87
Virginia	6.53	6.54	4.24	5.01	5.97	6.06	2.20	1.58	6.41	9.40	3.90	4.65	3.63	4.59	5.63
Washington	6.33	8.81	7.57	11.20	4.43	4.50	2.70	1.83	6.48	9.40	4.13	5.55	4.14	4.39	6.20
West Virginia	9.33	15.30	8.14	11.13	7.87	8.24	3.14	1.86	11.57	15.57	4.91	7.36	5.06	6.14	8.69
Wisconsin	17.78	5.77	4.09	5.86	9.34	5.61	2.82	1.71	7.80	7.13	4.67	6.68	4.11	4.40	6.57
Wyoming	14.79	8.82	7.82	12.63	17.00	6.94	3.73	2.26	8.55	9.03	7.92	9.41	5.81	6.01	10.85

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 Small amounts of standby power for devices that some households have but do not use (for example, dishwashers) are not included.

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

^c Includes electricity used by evaporative coolers.

^d 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.

^e All TVs and related includes TVs and peripherals such as cable and satellite boxes, DVRs, internet streaming devices, video game consoles, DVD or Blu-ray players, VCRs, and home theater or audio systems.