

## CE5.7.ST Detailed household electricity end-use expenditures in the United States by state—averages, 2020

Average site electricity expenditures<sup>a</sup>  
(dollars per household using the end use)

	Space heating <sup>b</sup>	Air handlers for heating	Air conditioning <sup>c</sup>	Air handlers for cooling	Water heating	Cooking <sup>d</sup>	All refrigerators	Most used refrigerators	Second refrigerators	Separate freezers	Clothes washers	Clothes dryers	All TVs and related <sup>e</sup>	Most-used TVs	Lighting
<b>All homes</b>	300	33	299	57	339	38	116	87	66	74	9	87	87	29	89
Alabama	364	15	401	71	367	42	119	86	74	96	10	97	95	34	94
Alaska	476	99	55	Q	633	75	173	143	92	129	15	147	134	45	157
Arizona	169	8	658	107	308	33	118	87	72	78	8	83	83	29	84
Arkansas	412	24	332	59	356	43	95	75	58	64	10	98	75	30	90
California	108	18	290	56	322	44	149	113	90	88	11	96	107	34	95
Colorado	195	39	142	30	282	31	95	70	47	59	7	74	65	20	72
Connecticut	440	70	267	81	459	60	164	125	94	106	14	141	141	44	112
Delaware	339	24	221	40	374	31	98	76	50	59	8	70	85	26	66
District of Columbia	153	9	176	29	233	28	73	64	53	59	6	57	50	19	75
Florida	177	4	492	83	266	31	104	77	68	76	8	71	71	23	66
Georgia	286	18	390	69	414	40	121	88	70	78	10	91	99	31	109
Hawaii	111	Q	638	144	543	58	225	158	124	144	15	141	137	48	106
Idaho	343	32	133	26	375	32	89	65	40	59	8	84	58	20	70
Illinois	293	52	195	39	262	37	109	82	61	70	9	80	81	27	83
Indiana	539	55	240	47	423	43	123	88	63	81	10	101	92	31	89
Iowa	387	67	191	35	334	41	121	85	60	79	10	98	89	34	80
Kansas	348	40	344	61	369	41	122	84	69	73	10	99	85	29	102
Kentucky	459	24	258	46	334	36	96	70	57	62	9	88	74	26	80
Louisiana	199	7	452	82	299	30	91	64	59	71	8	82	81	27	93
Maine	229	48	126	23	369	56	116	97	62	73	10	103	86	34	84
Maryland	391	25	239	45	343	38	107	79	60	64	8	71	86	25	82
Massachusetts	358	53	249	54	422	60	145	112	90	88	13	128	111	36	107
Michigan	341	95	221	41	424	44	143	108	79	87	12	113	106	38	104
Minnesota	363	67	137	28	398	40	108	80	59	79	10	101	72	25	90
Mississippi	330	15	407	76	309	38	103	76	61	72	9	84	85	30	82
Missouri	393	38	276	52	332	38	109	78	60	67	9	87	72	25	87
Montana	400	47	99	22	326	36	92	71	52	63	8	84	60	21	78
Nebraska	385	42	180	32	265	32	102	71	56	68	9	85	65	22	70
Nevada	147	15	415	72	252	30	101	75	59	66	8	82	80	27	77
New Hampshire	197	61	183	39	408	52	140	106	69	71	12	126	103	33	92

**CE5.7.ST Detailed household electricity end-use expenditures in the United States by state—averages, 2020**

Average site electricity expenditures<sup>a</sup>  
(dollars per household using the end use)

	Space heating <sup>b</sup>	Air handlers for heating	Air conditioning <sup>c</sup>	Air handlers for cooling	Water heating	Cooking <sup>d</sup>	All refrigerators	Most used refrigerators	Second refrigerators	Separate freezers	Clothes washers	Clothes dryers	All TVs and related <sup>e</sup>	Most-used TVs	Lighting
<b>All homes</b>	300	33	299	57	339	38	116	87	66	74	9	87	87	29	89
New Jersey	238	32	282	62	354	39	133	95	71	80	10	103	101	31	105
New Mexico	207	30	226	46	274	41	103	79	54	65	8	84	67	24	60
New York	256	37	266	54	369	47	137	111	77	75	10	98	106	37	109
North Carolina	325	14	283	52	331	36	99	75	59	69	8	80	73	25	78
North Dakota	500	62	89	19	320	30	90	64	47	59	7	74	66	23	74
Ohio	392	49	181	35	336	34	98	74	49	59	8	79	80	28	75
Oklahoma	418	25	333	60	292	36	95	70	53	63	8	87	74	26	86
Oregon	402	27	123	25	428	38	101	74	53	69	8	84	68	26	92
Pennsylvania	412	36	201	41	375	40	108	79	57	72	9	82	89	29	82
Rhode Island	271	52	244	59	433	65	162	121	93	104	14	150	117	39	110
South Carolina	342	12	381	67	360	37	109	82	68	76	9	89	80	28	83
South Dakota	457	60	159	30	352	41	103	73	55	72	8	77	72	24	79
Tennessee	396	15	275	48	331	35	91	68	52	67	8	79	69	25	85
Texas	251	13	460	81	302	33	104	75	66	73	8	81	82	28	93
Utah	180	38	208	41	286	35	102	72	53	64	8	82	72	22	83
Vermont	261	66	135	25	484	56	139	113	77	84	12	125	85	29	85
Virginia	330	19	272	51	387	37	109	80	58	70	8	81	78	26	93
Washington	415	24	87	19	329	30	81	62	42	54	7	69	58	20	76
West Virginia	633	45	204	41	396	42	93	73	51	68	9	83	72	28	71
Wisconsin	299	81	143	29	358	40	123	89	65	74	9	97	88	30	84
Wyoming	496	66	126	27	357	38	105	76	53	75	9	93	67	22	69

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.

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

<sup>b</sup> Includes main (primary) and secondary space heating.

<sup>c</sup> Includes electricity used by evaporative coolers.

<sup>d</sup> 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.

<sup>e</sup> 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.

## Relative standard errors (RSEs) for CE5.7.ST Detailed household site electricity end-use expenditures in the United States by state—averages, 2020

	RSEs for average site electricity expenditures <sup>a</sup>														
	Space heating <sup>b</sup>	Air handlers for heating	Air conditioning <sup>c</sup>	Air handlers for cooling	Water heating	Cooking <sup>d</sup>	All refrigerators	Most used refrigerators	Second refrigerators	Separate freezers	Clothes washers	Clothes dryers	All TVs and related <sup>e</sup>	Most-used TVs	Lighting
<b>All homes</b>	1.35	1.07	0.62	0.83	0.89	0.79	0.35	0.32	0.61	0.75	0.60	0.75	0.61	0.80	1.00
Alabama	6.75	9.61	4.58	5.57	5.34	6.01	3.73	1.86	3.82	6.81	5.24	6.84	4.35	5.16	7.28
Alaska	8.25	8.74	19.58	37.39	9.78	5.99	3.26	2.19	7.66	7.15	4.62	6.34	4.99	5.29	6.55
Arizona	8.08	7.69	2.93	3.97	4.99	3.99	2.26	1.52	3.36	5.15	2.99	3.60	3.44	3.71	7.50
Arkansas	6.36	9.29	5.01	8.12	5.82	6.53	3.17	1.99	4.46	5.20	6.02	7.16	4.83	7.15	7.61
California	7.92	4.60	3.33	4.08	6.48	3.54	1.60	1.23	2.41	4.57	2.78	3.97	2.75	2.25	4.29
Colorado	11.31	6.40	5.69	7.75	11.22	5.32	2.91	2.43	3.81	6.29	4.25	5.02	4.41	5.60	6.17
Connecticut	12.41	8.03	5.23	8.61	10.92	5.51	3.69	2.36	5.68	6.97	4.07	5.26	5.53	5.92	7.68
Delaware	12.65	14.07	6.38	8.16	6.72	6.59	3.54	2.41	4.93	8.08	5.04	6.44	6.92	6.69	7.77
District of Columbia	9.83	11.02	5.93	7.84	6.61	8.70	3.20	1.94	6.39	10.17	6.68	7.57	7.71	6.12	7.91
Florida	6.21	7.69	2.78	3.41	2.89	2.92	2.03	0.89	2.16	4.39	3.10	4.26	2.80	2.83	4.86
Georgia	6.47	6.68	4.27	5.57	5.32	4.34	2.60	1.57	2.54	4.11	3.36	4.11	4.28	4.51	5.57
Hawaii	45.54	53.66	7.27	11.45	5.76	7.43	3.61	2.56	4.31	7.79	5.91	9.44	5.04	5.69	11.14
Idaho	9.96	6.55	6.20	7.73	8.36	5.32	2.74	1.91	3.49	6.35	5.36	6.65	5.21	5.11	8.23
Illinois	9.58	3.93	3.10	3.51	5.95	5.90	2.32	1.44	3.35	4.76	3.45	5.23	3.54	3.27	5.15
Indiana	6.79	5.30	3.13	4.06	5.87	6.48	3.45	1.86	3.45	4.99	3.67	5.02	4.69	4.36	5.59
Iowa	10.80	5.47	3.96	4.40	9.05	6.72	3.12	2.32	3.88	6.05	4.37	6.48	3.93	4.49	6.90
Kansas	13.79	7.00	5.41	6.35	9.80	5.71	4.94	2.14	5.15	5.41	5.44	7.41	5.16	6.92	9.28
Kentucky	5.68	5.51	2.83	4.24	3.68	3.98	2.89	1.54	3.63	4.53	3.06	4.01	2.97	3.13	5.56
Louisiana	5.84	8.94	4.63	7.48	5.68	7.16	3.80	2.30	4.45	4.37	4.07	5.19	4.58	4.98	6.72
Maine	11.98	7.70	7.29	19.28	7.74	6.74	3.14	2.42	5.37	6.75	3.92	5.14	5.33	6.01	7.86
Maryland	7.20	5.89	4.47	5.62	4.47	6.97	2.50	1.49	4.56	4.43	4.33	5.03	4.66	4.58	6.86
Massachusetts	9.15	4.97	3.98	6.47	6.37	4.06	2.64	1.67	4.13	6.96	3.27	4.46	3.81	4.91	5.50
Michigan	14.39	4.30	5.70	5.68	9.15	4.15	3.08	2.07	3.78	5.43	4.04	5.60	3.38	3.55	8.25
Minnesota	13.31	6.95	4.41	5.44	6.99	5.09	3.11	1.98	4.41	5.84	4.88	7.02	4.36	4.37	6.89
Mississippi	9.26	13.19	5.44	6.60	5.74	7.23	4.37	2.89	5.11	6.51	5.21	6.51	6.66	9.20	7.17
Missouri	8.15	5.43	3.56	3.87	6.97	5.08	3.00	2.25	3.88	4.82	4.10	4.79	3.86	4.61	7.03
Montana	11.48	10.65	7.98	10.29	12.48	7.51	4.84	2.64	5.77	6.41	6.24	7.02	5.78	5.82	8.25
Nebraska	12.59	7.33	5.75	6.21	9.01	6.45	4.48	2.81	6.42	5.78	6.39	7.80	6.10	6.16	7.69
Nevada	14.31	9.38	6.10	7.59	10.80	5.91	3.92	2.45	5.06	8.33	4.64	7.23	5.42	4.51	6.57
New Hampshire	15.69	8.74	7.41	16.58	7.22	6.10	4.17	2.93	6.34	8.49	5.28	6.95	5.83	6.07	7.01

Relative standard errors (RSEs) for CE5.7.ST Detailed household site electricity end-use expenditures in the United States by state—averages, 2020

RSEs for average site electricity expenditures<sup>a</sup>

	Space heating <sup>b</sup>	Air handlers for heating	Air conditioning <sup>c</sup>	Air handlers for cooling	Water heating	Cooking <sup>d</sup>	All refrigerators	Most used refrigerators	Second refrigerators	Separate freezers	Clothes washers	Clothes dryers	All TVs and related <sup>e</sup>	Most-used TVs	Lighting
<b>All homes</b>	1.35	1.07	0.62	0.83	0.89	0.79	0.35	0.32	0.61	0.75	0.60	0.75	0.61	0.80	1.00
New Jersey	10.47	8.25	3.62	6.04	7.39	5.92	3.00	1.89	3.86	6.68	3.46	6.71	3.95	3.90	6.75
New Mexico	17.50	10.03	7.57	8.12	11.69	8.77	5.25	3.33	7.28	6.76	5.19	8.01	6.46	6.13	9.20
New York	7.89	4.37	3.56	7.61	5.15	5.38	2.03	1.71	3.63	5.28	2.88	4.70	3.34	3.66	5.20
North Carolina	5.12	6.05	3.29	3.93	3.28	4.40	2.41	1.39	3.58	4.55	2.96	3.80	3.61	3.92	5.40
North Dakota	8.19	6.64	5.92	6.96	6.49	4.17	2.86	1.78	3.01	4.23	4.68	5.53	4.44	4.98	6.69
Ohio	10.03	6.37	4.18	5.04	7.26	4.86	2.69	2.02	3.02	5.00	4.39	5.93	4.92	4.36	4.98
Oklahoma	9.94	6.03	4.41	5.27	8.49	7.35	4.12	2.28	4.22	5.92	4.89	6.44	5.32	4.86	7.98
Oregon	7.19	5.63	5.43	7.82	5.06	4.93	3.24	1.57	3.94	5.38	3.28	4.85	5.53	4.69	6.85
Pennsylvania	9.69	5.10	2.90	3.90	4.55	3.82	2.33	1.50	2.63	4.85	3.00	4.74	3.60	3.53	3.80
Rhode Island	19.21	8.14	6.86	11.55	11.56	7.07	5.55	2.75	6.82	8.84	4.44	5.96	5.42	5.52	9.21
South Carolina	5.04	6.12	3.64	4.63	4.06	4.36	3.32	1.44	5.05	5.76	3.57	4.27	4.30	4.85	7.06
South Dakota	13.08	9.10	6.67	7.38	8.69	5.89	4.63	2.49	5.01	5.54	4.93	5.49	5.57	6.88	8.24
Tennessee	4.13	6.20	3.56	4.39	3.07	3.42	2.90	1.47	3.57	4.92	3.27	3.69	3.19	3.55	5.79
Texas	4.67	3.46	2.20	3.00	2.97	3.54	1.84	1.05	2.32	3.94	2.35	3.05	2.35	2.33	3.32
Utah	16.55	7.25	5.62	6.81	18.56	7.17	4.58	2.55	4.99	5.97	4.96	7.66	6.28	7.06	9.09
Vermont	15.25	7.12	5.32	16.61	7.82	5.44	2.87	2.16	5.98	7.50	5.13	7.81	5.67	5.73	7.87
Virginia	6.21	6.19	4.18	4.90	4.35	5.06	2.20	1.58	3.11	5.64	3.55	4.22	3.56	4.50	5.63
Washington	5.84	8.06	5.49	7.59	4.14	3.82	2.70	1.83	3.91	5.74	3.60	4.88	3.93	4.03	6.20
West Virginia	7.77	15.00	7.63	10.60	6.04	5.72	3.15	1.87	5.70	11.17	4.58	6.67	4.97	6.02	8.69
Wisconsin	14.04	5.40	4.00	5.04	7.27	4.64	2.77	1.67	4.13	4.54	4.23	5.41	4.13	4.35	6.57
Wyoming	12.65	8.01	6.74	8.81	14.38	6.16	3.73	2.26	4.93	6.83	7.27	8.93	5.49	5.92	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.

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

<sup>b</sup> Includes main (primary) and secondary space heating.

<sup>c</sup> Includes electricity used by evaporative coolers.

<sup>d</sup> 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.

<sup>e</sup> 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.