

Data release date: May 2025

Table CE8.9.M.2020 Monthly household site electricity expenditure in the United States—totals, 2020

	Number of housing units (million)	Total site electricity expenditures ^a (billion dollars)												
	Total U.S. ^b	Annual	January	February	March	April	May	June	July	August	September	October	November	December
All homes	123.53	170.47	14.09	12.90	12.16	11.43	12.71	15.61	19.50	18.56	14.23	12.19	11.92	15.18
Census region and division														
Northeast	21.92	29.43	2.47	2.24	2.16	2.00	2.11	2.66	3.59	3.20	2.35	1.95	2.10	2.61
New England	5.88	8.69	0.76	0.70	0.68	0.63	0.62	0.76	1.00	0.89	0.65	0.58	0.64	0.79
Middle Atlantic	16.04	20.74	1.71	1.54	1.48	1.37	1.48	1.89	2.59	2.32	1.70	1.38	1.46	1.82
Midwest	27.04	34.97	3.04	2.82	2.61	2.40	2.52	3.26	4.14	3.62	2.57	2.35	2.51	3.13
East North Central	18.55	23.81	2.05	1.95	1.82	1.68	1.74	2.13	2.79	2.44	1.75	1.59	1.74	2.13
West North Central	8.50	11.17	1.00	0.87	0.79	0.72	0.78	1.13	1.35	1.18	0.82	0.76	0.77	1.00
South	46.84	72.50	5.96	5.50	5.06	4.81	5.51	6.80	8.21	7.87	6.17	5.17	4.83	6.61
South Atlantic	24.84	38.65	3.22	2.92	2.81	2.62	2.89	3.55	4.32	4.12	3.25	2.76	2.63	3.56
East South Central	7.38	11.67	1.07	0.99	0.83	0.74	0.85	1.03	1.27	1.19	0.93	0.75	0.82	1.20
West South Central	14.62	22.18	1.67	1.59	1.42	1.45	1.77	2.21	2.62	2.55	1.99	1.66	1.38	1.85
West	27.72	33.57	2.63	2.35	2.33	2.21	2.57	2.89	3.57	3.87	3.14	2.71	2.48	2.83
Mountain	9.22	11.42	0.84	0.75	0.70	0.72	0.92	1.10	1.40	1.44	1.06	0.84	0.75	0.89
Mountain North	4.62	4.55	0.39	0.36	0.34	0.31	0.32	0.38	0.49	0.51	0.36	0.32	0.35	0.42
Mountain South	4.60	6.86	0.44	0.39	0.37	0.41	0.60	0.72	0.92	0.94	0.70	0.52	0.39	0.47
Pacific	18.51	22.16	1.79	1.60	1.63	1.49	1.65	1.79	2.16	2.43	2.08	1.87	1.73	1.94
States														
Alabama	1.90	3.39	0.30	0.27	0.23	0.21	0.26	0.31	0.37	0.37	0.27	0.22	0.23	0.35
Alaska	0.26	0.42	0.05	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04
Arizona	2.68	4.65	0.29	0.25	0.23	0.28	0.42	0.49	0.63	0.65	0.50	0.36	0.26	0.30
Arkansas	1.14	1.74	0.16	0.14	0.12	0.10	0.12	0.17	0.21	0.18	0.14	0.11	0.11	0.16
California	13.18	15.36	1.10	0.98	1.00	0.98	1.17	1.32	1.65	1.91	1.60	1.34	1.10	1.21
Colorado	2.26	2.03	0.17	0.16	0.15	0.14	0.14	0.18	0.22	0.22	0.17	0.15	0.15	0.18
Connecticut	1.38	2.42	0.22	0.20	0.19	0.18	0.17	0.21	0.29	0.24	0.17	0.15	0.17	0.22
Delaware	0.38	0.51	0.05	0.04	0.04	0.04	0.04	0.04	0.06	0.05	0.04	0.03	0.04	0.05
District of Columbia	0.32	0.26	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.02	0.02	0.02	0.02
Florida	8.06	12.75	0.88	0.83	0.94	0.96	1.01	1.24	1.35	1.37	1.20	1.10	0.88	1.00
Georgia	3.88	6.62	0.54	0.48	0.45	0.40	0.51	0.64	0.78	0.75	0.57	0.45	0.43	0.62
Hawaii	0.47	0.91	0.07	0.07	0.07	0.07	0.08	0.07	0.08	0.08	0.08	0.08	0.08	0.08
Idaho	0.66	0.73	0.07	0.06	0.06	0.05	0.05	0.06	0.07	0.07	0.05	0.05	0.06	0.08
Illinois	4.90	5.35	0.46	0.42	0.39	0.36	0.39	0.52	0.68	0.58	0.39	0.34	0.36	0.46
Indiana	2.60	4.02	0.37	0.35	0.32	0.28	0.29	0.36	0.44	0.39	0.30	0.27	0.28	0.37
Iowa	1.28	1.70	0.16	0.13	0.12	0.11	0.12	0.17	0.21	0.18	0.12	0.11	0.11	0.15

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Table CE8.9.M.2020 Monthly household site electricity expenditure in the United States—totals, 2020

	Number of housing units (million)	Total site electricity expenditures ^a (billion dollars)												
	Total U.S. ^b	Annual	January	February	March	April	May	June	July	August	September	October	November	December
All homes	123.53	170.47	14.09	12.90	12.16	11.43	12.71	15.61	19.50	18.56	14.23	12.19	11.92	15.18
Kansas	1.13	1.62	0.13	0.12	0.10	0.10	0.11	0.19	0.21	0.19	0.13	0.11	0.10	0.13
Kentucky	1.74	2.59	0.25	0.24	0.20	0.18	0.18	0.21	0.27	0.25	0.21	0.17	0.19	0.26
Louisiana	1.73	2.56	0.19	0.17	0.17	0.17	0.21	0.25	0.29	0.29	0.24	0.19	0.16	0.22
Maine	0.56	0.66	0.06	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.05	0.05	0.05	0.06
Maryland	2.28	3.23	0.31	0.28	0.25	0.22	0.22	0.27	0.36	0.32	0.23	0.20	0.23	0.33
Massachusetts	2.71	3.96	0.33	0.31	0.30	0.28	0.28	0.36	0.47	0.42	0.30	0.26	0.29	0.35
Michigan	3.92	5.74	0.44	0.46	0.45	0.43	0.43	0.50	0.68	0.61	0.40	0.38	0.47	0.50
Minnesota	2.23	2.73	0.24	0.22	0.21	0.19	0.19	0.25	0.30	0.27	0.19	0.20	0.20	0.25
Mississippi	1.08	1.68	0.14	0.13	0.11	0.10	0.13	0.16	0.19	0.18	0.15	0.12	0.11	0.16
Missouri	2.43	3.41	0.30	0.26	0.23	0.20	0.24	0.36	0.44	0.37	0.26	0.22	0.22	0.31
Montana	0.43	0.46	0.05	0.04	0.04	0.04	0.03	0.03	0.04	0.04	0.03	0.04	0.04	0.05
Nebraska	0.77	0.88	0.08	0.07	0.06	0.06	0.06	0.09	0.10	0.10	0.07	0.06	0.06	0.08
Nevada	1.14	1.40	0.09	0.08	0.08	0.09	0.12	0.14	0.18	0.19	0.14	0.10	0.08	0.10
New Hampshire	0.54	0.71	0.07	0.06	0.06	0.05	0.05	0.06	0.07	0.07	0.05	0.05	0.05	0.06
New Jersey	3.39	4.49	0.33	0.30	0.29	0.27	0.30	0.45	0.66	0.58	0.39	0.27	0.28	0.36
New Mexico	0.79	0.81	0.06	0.06	0.05	0.05	0.06	0.08	0.11	0.10	0.07	0.06	0.05	0.07
New York	7.52	9.55	0.74	0.68	0.67	0.63	0.70	0.89	1.20	1.08	0.82	0.67	0.69	0.79
North Carolina	4.01	5.75	0.53	0.47	0.42	0.37	0.41	0.50	0.65	0.60	0.45	0.36	0.39	0.59
North Dakota	0.32	0.38	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.03	0.03	0.04
Ohio	4.74	5.75	0.53	0.49	0.45	0.40	0.41	0.48	0.65	0.57	0.45	0.39	0.41	0.54
Oklahoma	1.49	2.12	0.17	0.17	0.14	0.13	0.15	0.22	0.26	0.24	0.17	0.14	0.13	0.18
Oregon	1.65	2.19	0.21	0.20	0.19	0.16	0.16	0.16	0.18	0.18	0.16	0.16	0.20	0.23
Pennsylvania	5.13	6.70	0.64	0.57	0.52	0.47	0.48	0.55	0.73	0.66	0.49	0.44	0.49	0.67
Rhode Island	0.42	0.62	0.05	0.05	0.05	0.04	0.04	0.05	0.08	0.07	0.05	0.04	0.05	0.06
South Carolina	1.97	3.31	0.29	0.26	0.23	0.21	0.25	0.30	0.38	0.36	0.28	0.22	0.22	0.32
South Dakota	0.35	0.44	0.04	0.04	0.03	0.03	0.03	0.04	0.04	0.04	0.03	0.03	0.03	0.04
Tennessee	2.66	4.00	0.37	0.35	0.28	0.25	0.29	0.35	0.44	0.39	0.31	0.25	0.28	0.42
Texas	10.26	15.77	1.15	1.11	1.00	1.05	1.28	1.57	1.86	1.85	1.44	1.21	0.97	1.28
Utah	1.04	1.08	0.08	0.07	0.07	0.07	0.08	0.10	0.14	0.15	0.09	0.07	0.08	0.09
Vermont	0.26	0.32	0.03	0.03	0.03	0.02	0.03	0.03	0.03	0.03	0.02	0.02	0.03	0.03
Virginia	3.24	5.12	0.48	0.43	0.37	0.33	0.36	0.45	0.60	0.54	0.38	0.31	0.34	0.51

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Table CE8.9.M.2020 Monthly household site electricity expenditure in the United States—totals, 2020

	Number of housing units (million)	Total site electricity expenditures ^a (billion dollars)												
	Total U.S. ^b	Annual	January	February	March	April	May	June	July	August	September	October	November	December
All homes	123.53	170.47	14.09	12.90	12.16	11.43	12.71	15.61	19.50	18.56	14.23	12.19	11.92	15.18
Washington	2.94	3.28	0.36	0.32	0.32	0.24	0.22	0.21	0.23	0.23	0.21	0.25	0.32	0.38
West Virginia	0.70	1.09	0.11	0.10	0.09	0.08	0.08	0.08	0.11	0.09	0.07	0.07	0.08	0.12
Wisconsin	2.39	2.95	0.25	0.23	0.22	0.22	0.22	0.26	0.34	0.30	0.21	0.21	0.21	0.26
Wyoming	0.23	0.26	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03

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 (RECS)

Notes: Because of rounding, data may not sum to totals. See RECS Terminology for definition of terms used in these tables.

^a Consumption and expenditures for biomass (wood), coal, district steam, and solar thermal are excluded.

^b 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.

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Relative standard errors (RSEs) for Table CE8.9.M.2020 Monthly household site electricity expenditure in the United States—totals, 2020

	RSEs for number of housing units	RSEs for total site electricity expenditures ^a												
	Total U.S. ^b	Annual	January	February	March	April	May	June	July	August	September	October	November	December
All homes	0.00	0.39	0.55	0.52	0.52	0.49	0.46	0.48	0.48	0.47	0.48	0.47	0.45	0.57
Census region and division														
Northeast	0.00	1.09	1.44	1.34	1.24	1.16	1.17	1.37	1.41	1.36	1.31	1.13	1.17	1.37
New England	0.00	1.60	2.04	1.96	1.88	1.91	1.91	1.89	1.81	1.82	1.73	1.59	1.54	1.72
Middle Atlantic	0.00	1.49	2.02	1.89	1.76	1.69	1.61	1.78	1.85	1.81	1.76	1.60	1.67	1.90
Midwest	0.00	0.90	1.27	1.35	1.15	1.13	0.91	1.01	1.06	1.07	1.07	1.04	1.09	1.26
East North Central	0.00	1.19	1.63	1.72	1.45	1.48	1.21	1.28	1.33	1.32	1.38	1.38	1.44	1.66
West North Central	0.00	1.18	1.77	1.84	1.67	1.53	1.39	1.44	1.43	1.39	1.30	1.34	1.49	1.77
South	0.00	0.66	0.91	0.86	0.72	0.76	0.74	0.75	0.71	0.69	0.70	0.76	0.83	0.91
South Atlantic	0.00	0.95	1.11	1.06	1.02	1.08	1.06	1.12	1.06	1.06	1.08	1.12	1.06	1.12
East South Central	0.00	1.25	1.86	1.80	1.39	1.32	1.34	1.39	1.40	1.40	1.30	1.23	1.50	1.84
West South Central	0.00	1.20	1.73	1.73	1.46	1.35	1.45	1.35	1.30	1.29	1.37	1.29	1.43	1.56
West	0.00	0.99	1.21	1.27	1.88	1.28	1.08	1.19	1.17	1.12	1.13	1.22	1.14	1.32
Mountain	0.00	1.38	1.64	1.60	1.47	1.59	1.66	1.68	1.63	1.66	1.65	1.48	1.43	1.56
Mountain North	0.00	1.90	2.18	2.21	2.01	2.04	2.13	2.18	2.23	2.28	2.03	1.89	2.12	2.35
Mountain South	0.00	1.85	2.21	2.10	2.06	2.23	2.21	2.10	1.99	2.06	2.12	2.04	1.97	2.05
Pacific	0.00	1.42	1.67	1.70	2.63	1.72	1.55	1.78	1.92	1.80	1.65	1.72	1.56	1.85
States														
Alabama	0.00	3.23	4.21	4.02	3.57	3.85	3.60	3.53	3.47	3.40	3.25	3.12	3.39	4.17
Alaska	0.00	3.21	3.67	3.65	3.57	3.42	3.52	3.46	3.35	3.33	3.31	3.24	3.66	3.65
Arizona	0.00	2.51	3.02	2.91	2.94	3.18	2.86	2.64	2.46	2.50	2.68	2.81	2.94	3.02
Arkansas	0.00	3.67	4.14	4.17	3.81	3.75	4.31	4.83	4.94	4.67	3.71	3.34	3.64	4.06
California	0.00	1.94	2.45	2.47	3.64	2.42	2.22	2.39	2.45	2.28	2.09	2.27	2.20	2.72
Colorado	0.00	3.11	3.49	3.72	3.40	3.31	3.48	3.60	3.49	3.55	3.37	3.37	3.45	3.91
Connecticut	0.00	3.71	4.66	4.25	3.94	4.06	4.20	4.35	4.08	3.97	4.23	3.96	3.96	4.50
Delaware	0.00	4.26	6.38	6.14	5.38	4.99	4.24	4.32	4.18	4.20	4.32	4.07	4.48	5.68
District of Columbia	0.00	4.10	5.31	5.32	4.33	4.05	3.98	4.45	4.54	4.53	4.27	3.86	4.10	5.30
Florida	0.00	2.21	2.47	2.51	2.46	2.41	2.27	2.32	2.31	2.28	2.32	2.31	2.31	2.67
Georgia	0.00	2.82	3.34	3.29	3.09	3.11	3.13	3.23	3.13	3.11	2.89	2.94	2.93	3.15
Hawaii	0.00	4.25	4.42	4.40	4.35	4.40	4.54	4.33	4.26	4.41	4.59	4.44	4.37	4.44
Idaho	0.00	3.82	4.34	4.31	4.10	4.02	3.93	4.32	4.47	5.33	4.26	4.20	4.60	4.48
Illinois	0.00	2.45	3.78	3.89	3.40	3.20	2.70	2.54	2.42	2.23	2.22	2.35	2.64	3.29
Indiana	0.00	2.44	3.13	3.08	2.83	2.77	2.64	2.82	2.80	2.67	2.75	2.93	2.71	3.20
Iowa	0.00	2.90	4.49	4.39	4.00	3.56	2.97	2.95	2.82	2.76	2.76	3.06	3.27	3.91

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Relative standard errors (RSEs) for Table CE8.9.M.2020 Monthly household site electricity expenditure in the United States—totals, 2020

	RSEs for number of housing units	RSEs for total site electricity expenditures ^a												
	Total U.S. ^b	Annual	January	February	March	April	May	June	July	August	September	October	November	December
All homes	0.00	0.39	0.55	0.52	0.52	0.49	0.46	0.48	0.48	0.47	0.48	0.47	0.45	0.57
Kansas	0.00	3.14	4.41	4.26	3.63	3.57	3.41	4.09	3.90	3.49	3.24	3.05	3.60	4.02
Kentucky	0.00	2.32	3.15	3.13	2.57	2.45	2.40	2.51	2.54	2.37	2.41	2.30	4.33	3.18
Louisiana	0.00	2.78	3.55	3.23	3.31	3.14	3.11	2.84	2.85	2.98	3.35	3.38	3.80	3.50
Maine	0.00	3.44	4.29	4.38	3.98	3.77	3.81	3.82	4.05	3.88	3.54	3.44	3.67	3.92
Maryland	0.00	3.26	4.43	4.30	3.80	3.75	3.58	3.21	3.13	3.03	3.07	3.24	3.70	4.32
Massachusetts	0.00	2.50	3.01	3.19	2.97	2.95	2.89	3.02	2.97	2.95	2.72	2.50	2.53	2.82
Michigan	0.00	3.01	3.98	4.15	3.62	3.57	3.27	3.33	3.25	3.35	3.15	3.06	3.40	3.44
Minnesota	0.00	3.50	4.77	4.86	4.22	4.11	3.52	3.11	2.99	3.34	3.53	4.21	4.09	4.51
Mississippi	0.00	3.43	4.74	4.51	3.65	3.67	3.48	3.64	3.67	3.70	3.69	3.87	4.52	5.21
Missouri	0.00	2.66	4.09	4.10	3.69	3.45	3.22	3.49	3.26	3.17	3.00	3.00	3.17	4.01
Montana	0.00	5.33	6.48	6.30	6.53	6.10	5.35	5.11	5.06	5.57	5.02	5.65	6.09	6.28
Nebraska	0.00	5.19	7.08	6.77	6.12	5.69	5.28	5.03	5.00	5.04	4.89	4.95	5.56	7.74
Nevada	0.00	4.15	4.56	4.45	4.11	4.25	4.70	4.75	4.74	4.56	4.58	4.35	4.22	4.59
New Hampshire	0.00	4.49	4.85	4.78	4.51	4.71	4.83	5.21	5.55	5.44	4.92	4.43	4.46	4.83
New Jersey	0.00	2.95	3.75	3.71	3.28	3.29	3.29	3.53	3.50	3.42	3.08	2.96	3.31	3.89
New Mexico	0.00	5.48	6.42	6.26	5.22	5.45	6.11	6.49	6.71	6.81	6.14	5.90	5.03	6.12
New York	0.00	2.15	3.13	2.63	2.42	2.28	2.34	2.76	2.84	2.85	2.92	2.37	2.14	2.31
North Carolina	0.00	2.12	2.40	2.40	2.18	2.34	2.20	2.36	2.39	2.34	2.30	2.31	2.27	2.65
North Dakota	0.00	3.54	4.14	4.22	4.04	3.73	4.08	3.99	3.91	4.16	3.87	3.78	3.99	3.90
Ohio	0.00	2.99	4.02	4.31	3.85	3.63	3.00	2.98	3.09	3.07	3.11	3.20	3.27	4.04
Oklahoma	0.00	3.55	5.05	5.56	4.38	4.48	4.32	3.54	3.50	3.69	3.65	3.92	3.89	5.38
Oregon	0.00	3.03	3.48	3.32	3.25	3.10	3.09	3.29	3.60	3.59	3.38	3.24	3.59	3.82
Pennsylvania	0.00	2.81	3.83	3.98	3.56	3.48	2.68	2.34	2.40	2.52	2.41	2.97	3.61	3.79
Rhode Island	0.00	4.60	5.74	5.48	5.15	5.09	4.63	5.05	5.25	5.36	4.84	4.49	4.65	5.86
South Carolina	0.00	2.81	3.18	3.14	2.96	3.06	3.15	3.28	3.34	3.25	3.17	3.21	3.14	3.16
South Dakota	0.00	4.03	5.95	5.37	4.99	4.67	6.52	4.43	4.12	4.09	3.99	3.97	4.49	5.10
Tennessee	0.00	2.75	2.96	3.00	2.84	2.91	3.03	3.19	3.16	3.19	3.31	3.00	2.90	3.07
Texas	0.00	1.51	2.19	2.22	1.82	1.75	1.78	1.67	1.53	1.56	1.71	1.73	1.85	2.02
Utah	0.00	4.25	5.20	5.32	4.73	5.01	5.19	4.55	4.52	4.51	4.65	4.45	5.04	5.38
Vermont	0.00	4.23	4.96	4.89	4.72	4.52	4.85	4.85	4.34	4.74	4.69	4.21	4.39	4.47
Virginia	0.00	2.20	2.77	2.79	2.40	2.38	2.24	2.72	2.85	2.65	2.37	2.20	2.31	2.76

Data release date: May 2025

Relative standard errors (RSEs) for Table CE8.9.M.2020 Monthly household site electricity expenditure in the United States—totals, 2020

	RSEs for number of housing units	RSEs for total site electricity expenditures ^a												
	Total U.S. ^b	Annual	January	February	March	April	May	June	July	August	September	October	November	December
All homes	0.00	0.39	0.55	0.52	0.52	0.49	0.46	0.48	0.48	0.47	0.48	0.47	0.45	0.57
Washington	0.00	2.81	3.05	3.26	3.58	3.35	3.29	3.44	3.21	3.13	2.84	2.73	3.03	2.93
West Virginia	0.00	4.38	5.50	5.42	4.87	5.12	4.63	4.57	4.42	4.37	4.41	4.52	4.85	5.71
Wisconsin	0.00	2.76	4.19	4.29	3.64	3.36	2.87	2.74	2.73	2.56	2.51	2.73	2.88	3.62
Wyoming	0.00	4.70	6.39	5.97	5.44	5.03	4.76	4.85	5.26	5.30	4.77	4.74	5.58	5.58

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 (RECS)

Notes: Because of rounding, data may not sum to totals. See RECS Terminology for definition of terms used in these tables.

^a Consumption and expenditures for biomass (wood), coal, district steam, and solar thermal are excluded.

^b 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.