

Table HC1.7 Fuels used and end uses in homes in the Northeast and Midwest regions, 2020

Number of housing units (million)

	Northeast Census Region			Midwest Census Region			
	Total U.S. ^a	Total Northeast	New England	Middle Atlantic	Total Midwest	East North Central	West North Central
All homes	123.53	21.92	5.88	16.04	27.04	18.55	8.50
Fuels used for any use (more than one may apply)							
Electricity	123.53	21.92	5.88	16.04	27.04	18.55	8.50
Natural gas	74.65	14.52	3.03	11.50	19.82	14.03	5.79
Propane ^b	11.68	2.68	0.95	1.74	2.84	1.73	1.11
Wood	10.83	2.25	0.96	1.29	2.16	1.47	0.69
Fuel oil or kerosene	5.72	4.47	2.06	2.42	0.46	0.38	0.09
Electricity end uses (more than one may apply)							
Space heating	69.25	9.63	2.38	7.25	12.55	8.23	4.32
Main	48.89	4.64	1.00	3.64	6.37	4.01	2.36
Secondary	31.50	5.96	1.59	4.37	7.64	5.04	2.59
Air conditioning	108.92	19.41	4.95	14.46	25.08	17.05	8.04
Water heating	58.82	7.51	2.02	5.49	10.23	6.62	3.62
Cooking ^c	84.01	11.99	3.95	8.05	17.46	11.02	6.44
Natural gas end uses (more than one may apply)							
Space heating	58.44	11.81	2.44	9.37	17.87	12.66	5.21
Main	56.25	11.61	2.40	9.21	17.56	12.54	5.02
Secondary	7.55	0.93	0.15	0.78	1.86	1.13	0.73
Water heating	58.09	11.09	2.34	8.75	15.62	11.14	4.48
Cooking ^c	47.26	10.82	1.87	8.94	10.82	8.56	2.26
Outdoor grilling	4.75	0.81	0.16	0.65	0.96	0.73	0.24
Propane end uses (more than one may apply)							
Space heating	7.71	1.35	0.47	0.88	2.56	1.56	1.00
Main	5.05	0.95	0.33	0.62	2.14	1.30	0.83
Secondary	3.08	0.50	0.16	0.35	0.55	0.34	0.21
Water heating	4.32	0.88	0.35	0.53	1.14	0.75	0.40
Cooking ^c	5.82	1.59	0.58	1.00	1.15	0.74	0.41
Outdoor grilling ^b	42.05	8.48	2.84	5.63	10.20	7.01	3.19
Wood end uses (more than one may apply)							
Space heating	10.79	2.24	0.95	1.28	2.15	1.47	0.68
Main	2.22	0.46	0.19	0.27	0.51	0.35	0.16
Secondary	8.61	1.78	0.77	1.02	1.65	1.13	0.52
Water heating	0.15	0.06	0.03	Q	Q	Q	Q

Preliminary data release date: May 2022

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	Northeast Census Region			Midwest Census Region			
	Total U.S. ^a	Total Northeast	New England	Middle Atlantic	Total Midwest	East North Central	West North Central
All homes	123.53	21.92	5.88	16.04	27.04	18.55	8.50
Fuel oil or kerosene end uses (more than one may apply)							
Space heating	5.41	4.26	2.00	2.26	0.42	0.33	0.09
Main	4.96	4.07	1.94	2.13	0.32	0.24	0.08
Secondary	0.47	0.21	0.07	0.14	0.10	0.09	Q
Water heating	2.70	2.44	1.16	1.29	Q	Q	N

Source: U.S. Energy Information Administration, Office of Energy Demand and Integrated Statistics, Form EIA-457A 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.

^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 Households that use propane only for outdoor grilling are excluded from the RECS estimate of households using propane.

^c *Cooking* includes fuels used by major cooking equipment (ovens, cooktops, and ranges).

Q = Data withheld because either the relative standard error (RSE) was greater than 50% or fewer than 10 households were in the reporting sample.

N = No households in reporting sample.

Preliminary data release date: May 2022

Relative standard errors (RSEs) for Table HC1.7 Fuels used and end uses in homes in the Northeast and Midwest regions, 2020

RSEs for number of housing units

	Northeast Census Region			Midwest Census Region			
	Total U.S. ^a	Total Northeast	New England	Middle Atlantic	Total Midwest	East North Central	West North Central
All homes	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fuels used for any use (more than one may apply)							
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural gas	0.59	0.95	2.42	1.25	1.06	1.21	1.89
Propane ^b	2.44	4.63	5.43	6.08	4.73	6.27	5.89
Wood	2.30	3.82	5.92	6.02	6.31	8.30	10.20
Fuel oil/kerosene	3.06	3.53	3.15	6.21	13.05	15.44	28.06
Electricity end uses (more than one may apply)							
Space heating	0.77	2.50	3.04	3.17	2.02	2.64	2.77
Main	0.95	3.85	5.53	4.99	3.87	5.38	4.73
Secondary	1.35	3.44	4.51	4.23	2.74	3.62	4.23
Air conditioning	0.36	0.67	1.25	0.75	0.57	0.76	0.72
Water heating	0.84	2.28	3.50	3.07	2.52	3.23	3.43
Cooking ^c	0.50	1.63	1.88	2.35	1.17	1.69	1.42
Natural gas end uses (more than one may apply)							
Space heating	0.90	1.61	2.95	1.89	1.44	1.76	2.09
Main	0.97	1.57	3.08	1.89	1.51	1.84	2.11
Secondary	2.92	7.75	16.65	8.75	5.93	8.43	7.39
Water heating	0.84	1.40	3.17	1.81	1.74	2.07	2.76
Cooking ^c	0.92	1.50	4.07	1.72	2.00	2.45	4.72
Outdoor grilling	3.72	10.60	15.23	11.46	8.75	11.44	14.32
Propane end uses (more than one may apply)							
Space heating	3.15	7.05	8.34	9.35	5.17	7.10	6.31
Main	4.01	8.67	9.69	11.82	6.24	8.49	7.83
Secondary	5.30	10.88	11.59	14.74	11.78	15.93	14.69
Water heating	4.47	8.25	9.27	11.81	8.79	12.25	10.32
Cooking ^c	3.40	5.10	5.97	6.79	7.52	10.95	11.75
Outdoor grilling ^b	1.09	2.03	2.35	2.73	2.08	2.83	3.15
Wood end uses (more than one may apply)							
Space heating	2.31	3.84	5.98	6.00	6.37	8.30	10.43
Main	5.19	11.07	11.28	17.47	13.16	16.52	21.35
Secondary	2.73	4.79	6.85	7.22	6.76	9.37	12.59
Water heating	21.41	32.53	30.58	60.36	37.22	49.95	46.16

Preliminary data release date: May 2022

Relative standard errors (RSEs) for Table HC1.7 Fuels used and end uses in homes in the Northeast and Midwest regions, 2020

RSEs for number of housing units

	Northeast Census Region			Midwest Census Region			
	Total U.S. ^a	Total Northeast	New England	Middle Atlantic	Total Midwest	East North Central	West North Central
All homes	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fuel oil/kerosene end uses (more than one may apply)							
Space heating	3.18	3.62	3.25	6.47	14.88	17.81	28.06
Main	3.36	3.76	3.33	6.59	18.23	22.91	29.58
Secondary	13.66	20.94	20.45	31.09	31.25	33.04	100.41
Water heating	5.22	5.57	5.37	9.27	35.40	35.40	0.00

Source: U.S. Energy Information Administration, Office of Energy Demand and Integrated Statistics, Form EIA-457A of the *2020 Residential Energy Consumption Survey*

Notes: See RECS Terminology for the definitions 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.

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