Data release date: June 2023

Revised data release date: March 2024

Table CE5.2 Detailed household natural gas and propane end-use consumption—totals, 2020

	Natural gas									
	Space heating ^a	Water heating	Clothes dryers ^b	Cooking ^c	Pool heaters	Hot tub heaters	Space heating ^a	Water heating	Clothes dryers ^b	Cooking
All homes	2,886.8	1,081.2	38.1	91.5	51.8	5.8	274.0	69.4	2.3	11.6
Census region and division										
Northeast	648.9	227.6	7.9	22.5	10.0	0.7	53.0	15.1	0.7	3.5
New England	126.1	47.5	1.2	4.4	Q	0.2	17.0	6.0	0.2	1.4
Middle Atlantic	522.8	180.1	6.7	18.2	9.9	0.6	36.0	9.0	0.6	2.1
Midwest	1,195.1	275.5	11.2	21.0	7.7	0.7	141.1	18.9	0.9	2.6
East North Central	869.6	192.9	8.9	16.7	7.4	0.4	89.2	12.1	0.7	1.7
West North Central	325.5	82.6	2.3	4.4	Q	0.3	51.9	6.8	0.2	0.8
South	553.5	237.4	5.7	21.0	18.1	2.0	49.8	20.2	0.3	3.8
South Atlantic	271.6	101.8	2.2	9.9	8.3	0.8	26.7	9.3	0.2	1.9
East South Central	108.0	34.8	0.6	2.5	Q	0.2	12.4	3.2	Q	0.7
West South Central	173.9	100.9	2.9	8.6	7.8	1.1	10.8	7.7	0.2	1.2
West	489.3	340.7	13.4	26.9	16.0	2.3	30.0	15.2	0.4	1.8
Mountain	239.7	105.3	2.5	6.5	6.9	0.7	17.3	6.3	0.1	0.5
Mountain North	180.0	65.3	1.1	2.9	Q	Q	12.7	2.5	Q	0.2
Mountain South	59.7	40.0	1.4	3.6	4.7	0.5	4.6	3.8	Q	0.3
Pacific	249.6	235.4	10.9	20.4	9.1	1.6	12.7	8.9	0.3	1.3
Census urban/rural classification ^d										
Urban	2,586.5	1,001.1	34.7	84.1	43.0	4.8	42.6	20.0	0.5	2.9
Urbanized area	2,282.6	910.2	32.4	77.5	42.0	4.6	31.8	15.4	0.3	2.1
Urban cluster	304.0	90.9	2.2	6.6	Q	0.2	10.8	4.6	0.2	0.8
Rural	300.2	80.1	3.5	7.4	8.8	0.9	231.4	49.4	1.8	8.7
Climate region ^e										

Table CE5.2 Detailed household natural gas and propane end-use consumption—totals, 2020

	Natural gas	5			Propane						
	Space heating ^a	Water heating	Clothes dryers ^b	Cooking ^c	Pool heaters	Hot tub heaters	Space heating ^a	Water heating	Clothes dryers ^b	Cooking ^c	
All homes	2,886.8	1,081.2	38.1	91.5	51.8	5.8	274.0	69.4	2.3	11.6	
Very cold and Cold	1,672.4	440.9	16.1	33.6	15.3	0.9	187.8	32.7	1.4	5.7	
Mixed-humid	818.4	282.9	6.9	26.8	12.5	1.5	64.9	18.6	0.4	3.1	
Mixed-dry and Hot-dry	174.7	187.3	9.6	16.9	12.5	1.7	9.5	6.7	0.2	0.9	
Hot-humid	111.1	88.5	3.0	7.8	9.9	1.2	8.6	8.7	0.2	1.6	
Marine	110.2	81.5	2.6	6.4	Q	0.4	3.2	2.6	Q	0.3	
Housing unit type											
Single-family detached	2,373.9	767.9	32.2	61.0	50.9	4.9	245.4	57.7	2.0	9.7	
Single-family attached	181.5	75.6	2.4	6.2	Q	0.1	2.7	1.8	0.1	0.2	
Apartments in buildings with 2–4 units	157.4	86.5	1.2	8.4	N	Q	0.6	1.8	Q	0.1	
Apartments in buildings with 5 or											
more units	116.7	130.8	1.4	13.2	N	0.5	1.8	2.7	N	0.3	
Mobile homes	57.2	20.5	0.9	2.7	Q	Q	23.5	5.5	0.2	1.3	
Ownership of housing unit											
Owned	2,421.1	791.5	32.5	65.5	49.9	5.0	250.6	60.0	2.1	10.5	
Single-family	2,307.3	738.4	31.0	59.1	49.8	4.7	230.6	54.7	2.0	9.4	
Apartments	68.8	35.9	0.8	4.1	N	Q	Q	Q	N	Q	
Mobile homes	45.0	17.2	0.7	2.2	Q	Q	19.6	5.2	0.1	1.1	
Rented ^f	465.7	289.7	5.7	26.0	Q	0.8	23.4	9.4	0.2	1.1	
Single-family	248.1	105.1	3.6	8.0	Q	Q	17.5	4.8	0.1	0.6	
Apartments	205.3	181.4	1.8	17.5	N	0.6	2.1	4.3	Q	0.3	
Mobile homes	12.2	3.3	Q	0.5	N	N	3.8	Q	Q	0.2	
Year of construction											
Before 1950	757.8	209.8	7.8	22.4	5.2	0.3	60.7	8.6	0.4	1.8	

Table CE5.2 Detailed household natural gas and propane end-use consumption—totals, 2020

	Natural gas	3					Propane			
	Space heating ^a	Water heating	Clothes dryers ^b	Cooking ^c	Pool heaters	Hot tub heaters	Space heating ^a	Water heating	Clothes dryers ^b	Cooking
All homes	2,886.8	1,081.2	38.1	91.5	51.8	5.8	274.0	69.4	2.3	11.6
1950 to 1959	397.6	127.1	5.1	11.0	2.4	0.4	21.7	3.5	0.2	0.9
1960 to 1969	338.5	122.1	4.5	11.1	4.3	Q	21.7	5.0	0.1	0.7
1970 to 1979	350.5	143.3	5.2	10.8	3.9	0.5	48.8	8.0	0.3	1.4
1980 to 1989	254.4	112.4	3.8	7.8	6.3	0.9	28.9	7.9	0.2	1.3
1990 to 1999	352.5	150.3	5.2	10.4	11.1	1.4	46.9	15.0	0.5	2.2
2000 to 2009	296.0	149.7	4.5	10.7	11.3	1.4	30.9	14.0	0.5	2.0
2010 to 2015	75.3	37.8	1.2	4.0	3.1	0.3	8.0	4.1	0.1	0.6
2016 to 2020	64.2	28.7	0.9	3.3	4.3	0.4	6.4	3.3	Q	0.8
Total square footage ^g										
Less than 1,000	267.0	198.4	3.5	18.9	N	0.5	15.8	6.6	0.1	1.1
1,000 to 1,499	481.8	212.9	7.1	19.8	1.5	0.4	38.8	9.3	0.2	1.7
1,500 to 1,999	558.3	203.3	8.2	16.5	3.9	0.5	41.7	12.8	0.5	2.6
2,000 to 2,499	461.5	143.3	6.3	12.1	6.5	1.0	53.3	11.1	0.3	1.8
2,500 to 2,999	370.9	114.5	4.5	8.4	9.5	0.7	37.2	8.2	0.4	1.3
3,000 or more	747.3	208.9	8.5	15.9	30.5	2.6	87.3	21.3	0.8	3.1
Number of household members										
1 member	621.8	189.6	4.0	16.8	1.8	0.5	62.9	11.6	0.3	1.9
2 members	1,113.0	362.3	12.7	33.1	19.6	2.6	124.6	29.2	1.0	5.1
3 members	453.3	191.8	7.2	15.9	15.0	1.4	38.6	10.3	0.4	1.8
4 members	419.1	189.7	8.1	15.1	9.6	0.7	26.8	10.5	0.3	1.9
5 members	160.8	83.7	3.3	6.2	3.4	0.2	11.1	4.4	0.1	0.6
6 or more members	118.8	64.0	2.9	4.4	2.4	Q	9.9	3.4	Q	0.4
2020 annual household income										
Less than \$5,000	63.2	31.9	0.6	2.4	N	Q	5.6	2.0	Q	0.2

Table CE5.2 Detailed household natural gas and propane end-use consumption—totals, 2020

	Natural gas	S			Propane					
	Space heating ^a	Water heating	Clothes dryers ^b	Cooking ^c	Pool heaters	Hot tub heaters	Space heating ^a	Water heating	Clothes dryers ^b	Cooking ^c
All homes	2,886.8	1,081.2	38.1	91.5	51.8	5.8	274.0	69.4	2.3	11.6
\$5,000 to \$9,999	53.2	24.7	0.4	2.2	N	Q	4.5	1.0	Q	0.2
\$10,000 to \$19,999	161.9	70.1	1.0	5.2	Q	Q	22.8	4.2	Q	1.0
\$20,000 to \$39,999	453.9	174.4	5.3	13.8	2.7	0.6	52.2	10.0	0.3	2.1
\$40,000 to \$59,999	423.1	148.9	4.9	12.8	3.0	0.4	39.6	9.7	0.4	1.6
\$60,000 to \$99,999	665.2	245.4	9.1	19.4	6.1	0.9	66.1	18.1	0.6	2.5
\$100,000 to \$149,999	461.4	170.9	7.6	16.0	8.9	0.7	43.0	11.8	0.4	1.9
\$150,000 or more	605.0	214.7	9.3	19.7	30.4	2.9	40.2	12.6	0.5	2.2
Payment method for energy bills										
All paid by household	2,751.5	991.4	37.0	81.2	50.9	5.4	268.6	65.6	2.2	11.2
Some paid by household, some										
included in rent or condo fee	81.4	57.7	0.6	7.8	Q	Q	4.5	3.0	Q	0.1
All included in rent or condo fee	46.9	30.1	Q	2.3	N	Q	0.9	0.7	Q	0.2
Some other method	Q	2.0	Q	0.2	N	N	N	Q	N	Q

Table CE5.2 Detailed household natural gas and propane end-use consumption—totals, 2020

	Natural gas	1			Propane					
	Space heating ^a	Water heating	Clothes dryers ^b	Cooking ^c	Pool heaters	Hot tub heaters	Space heating ^a	Water heating	Clothes dryers ^b	Cooking ^c
All homes	2,886.8	1,081.2	38.1	91.5	51.8	5.8	274.0	69.4	2.3	11.6

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 definition of terms used in these tables.

Btu = British thermal units

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.

^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.

^d Housing units are classified using criteria created by the U.S. Census Bureau based on 2010 Census data. Urbanized areas are densely settled groupings of blocks or tracts with 50,000 or more people. Urban clusters have at least 2,500 but less than 50,000 people. All other areas are rural.

^e The Building America program, sponsored by the U.S. Department of Energy's Office of Energy Efficiency and Renewable Energy (EERE), created these climate regions. We combined climate regions for this publication. The Subarctic region is included with data for *Very-cold and Cold*.

^f Rented includes households that occupy their primary housing units without paying rent.

Total square footage includes all basements, finished or conditioned (heated or cooled) areas of attics, and conditioned garage space that is attached to the home. Unconditioned and unfinished areas in attics and attached garages are excluded. The square footage of the home is based on respondent reports. Previous RECS cycles calculated square footage based on interviewer measurements. For households that did not report an exact square footage estimate, the square footage of the home was imputed based on a reported square footage range and/or characteristics of the home. See 2020 RECS Square Footage Methodology for full details about data collection and processing.

Data release date: June 2023

Revised data release date: March 2024

Table CE5.2 Detailed household natural gas and propane end-use consumption—totals, 2020

	Total site e	nergy cons	umption							
	Natural gas (billion cub						Propane (million gallons)			
	Space heating ^a	Water heating	Clothes dryers ^b	Cooking ^c	Pool heaters	Hot tub heaters	Space heating ^a	Water heating	Clothes dryers ^b	Cooking ^c
All homes	2,870.9	1,075.8	37.8	90.7	51.6	5.7	2,996.1	758.8	25.2	127.0
Census region and division										
Northeast	635.4	222.3	7.7	22.0	9.8	0.7	579.6	164.8	7.9	38.0
New England	123.2	46.4	1.2	4.2	Q	0.2	185.7	65.9	1.9	14.9
Middle Atlantic	512.1	175.9	6.5	17.7	9.6	0.6	393.9	99.0	6.1	23.1
Midwest	1,172.3	270.3	10.9	20.6	7.5	0.7	1,543.2	206.4	9.3	28.2
East North Central	850.1	188.5	8.7	16.3	7.2	0.4	975.5	132.3	7.4	19.1
West North Central	322.2	81.8	2.2	4.3	Q	0.3	567.8	74.1	1.9	9.1
South	549.0	235.6	5.6	20.8	17.8	2.0	545.0	220.9	3.5	41.2
South Atlantic	266.6	99.9	2.2	9.7	8.1	0.8	291.7	101.3	1.8	20.4
East South Central	106.5	34.2	0.6	2.5	Q	0.2	135.6	35.1	Q	7.5
West South Central	175.9	101.5	2.9	8.6	7.7	1.1	117.6	84.5	1.7	13.3
West	514.2	347.6	13.5	27.3	16.4	2.3	328.3	166.7	4.4	19.7
Mountain	270.0	116.9	2.7	7.2	7.3	0.7	189.3	68.9	0.9	5.7
Mountain North	202.8	73.4	1.2	3.3	Q	Q	139.2	27.8	Q	2.4
Mountain South	67.1	43.5	1.5	4.0	4.9	0.6	50.1	41.1	Q	3.3
Pacific	244.2	230.7	10.8	20.0	9.1	1.6	139.0	97.7	3.5	14.0
Census urban/rural classification ^d										
Urban	2,570.2	995.3	34.3	83.3	42.9	4.8	465.7	218.2	5.4	31.6
Urbanized area	2,264.4	903.6	32.1	76.5	41.8	4.6	347.5	168.1	3.5	23.0
Urban cluster	305.8	91.7	2.3	6.8	Q	0.2	118.2	50.1	1.8	8.5
Rural	300.7	80.5	3.5	7.4	8.7	1.0	2,530.4	540.6	19.8	95.5
Climate region ^e										

Table CE5.2 Detailed household natural gas and propane end-use consumption—totals, 2020

Total site energy consumption

	Natural gas (billion cub	pillion cubic feet)				Propane (million gallons)					
	Space heating ^a	Water heating	Clothes dryers ^b	Cooking ^c	Pool heaters	Hot tub heaters	Space heating ^a	Water heating	Clothes dryers ^b	Cooking ^c	
All homes	2,870.9	1,075.8	37.8	90.7	51.6	5.7	2,996.1	758.8	25.2	127.0	
Very cold and Cold	1,670.0	443.0	16.0	33.5	15.2	0.9	2,053.2	357.5	14.9	62.6	
Mixed-humid	805.1	277.9	6.7	26.2	12.2	1.5	709.5	203.8	4.1	34.1	
Mixed-dry and Hot-dry	180.2	188.8	9.6	17.0	12.7	1.7	103.8	73.7	2.6	9.4	
Hot-humid	110.2	87.6	2.9	7.7	9.8	1.2	94.2	95.2	2.7	17.5	
Marine	105.4	78.5	2.6	6.2	Q	0.4	35.4	28.6	Q	3.4	
Housing unit type											
Single-family detached	2,362.6	765.6	31.9	60.6	50.7	4.8	2,683.2	630.8	22.0	106.5	
Single-family attached	179.6	74.7	2.4	6.1	Q	0.1	30.0	19.1	0.8	2.6	
Apartments in buildings with 2–4 units	154.8	85.1	1.2	8.3	N	Q	6.7	19.5	Q	0.9	
Apartments in buildings with 5 or											
more units	115.5	129.6	1.4	13.0	N	0.4	19.7	29.6	N	2.9	
Mobile homes	58.3	20.9	0.9	2.8	Q	Q	256.5	59.8	1.9	14.1	
Ownership of housing unit											
Owned	2,408.8	788.5	32.1	65.0	49.7	4.9	2,740.3	656.1	23.0	115.1	
Single-family	2,295.5	735.7	30.7	58.7	49.5	4.7	2,521.6	598.0	21.5	102.2	
Apartments	67.6	35.3	0.8	4.0	N	Q	Q	Q	N	Q	
Mobile homes	45.8	17.5	0.7	2.3	Q	Q	214.8	56.4	1.6	12.5	
Rented ^f	462.0	287.3	5.7	25.7	Q	0.8	255.8	102.7	2.1	11.9	
Single-family	246.8	104.6	3.6	8.0	Q	Q	191.6	52.0	1.3	6.9	
Apartments	202.7	179.4	1.8	17.2	N	0.5	22.5	47.5	Q	3.4	
Mobile homes	12.5	3.3	Q	0.5	N	N	41.7	Q	Q	1.6	
Year of construction											
Before 1950	745.9	206.1	7.6	22.0	5.1	0.3	663.2	94.4	4.9	19.3	

Table CE5.2 Detailed household natural gas and propane end-use consumption—totals, 2020

Total site energy consumption

	Natural gas (billion cub					Propane (million gallons)						
	Space heating ^a	Water heating	Clothes dryers ^b	Cooking ^c	Pool heaters	Hot tub heaters	Space heating ^a	Water heating	Clothes dryers ^b	Cooking ^c		
All homes	2,870.9	1,075.8	37.8	90.7	51.6	5.7	2,996.1	758.8	25.2	127.0		
1950 to 1959	393.6	125.7	5.0	10.8	2.3	0.4	237.8	38.0	2.0	9.5		
1960 to 1969	334.9	120.6	4.4	10.9	4.2	Q	237.8	54.4	1.5	7.6		
1970 to 1979	350.3	142.9	5.2	10.7	4.0	0.5	533.9	87.2	2.9	15.0		
1980 to 1989	254.7	112.4	3.8	7.8	6.2	0.9	315.6	86.3	2.7	13.9		
1990 to 1999	353.5	150.7	5.2	10.4	11.0	1.4	512.4	164.6	5.0	24.5		
2000 to 2009	297.5	150.4	4.5	10.8	11.4	1.4	337.4	152.7	5.0	22.3		
2010 to 2015	75.8	38.0	1.2	4.0	3.1	0.3	87.7	44.6	0.9	6.7		
2016 to 2020	64.5	29	0.9	3.3	4.4	0.4	70.2	36.6	Q	8.3		
Total square footage ^g												
Less than 1,000	265.3	196.6	3.5	18.6	N	0.5	173.0	72.1	1.3	12.2		
1,000 to 1,499	478.4	211.4	7.0	19.6	1.6	0.4	424.4	101.7	2.6	18.7		
1,500 to 1,999	555.8	202.4	8.2	16.4	3.9	0.5	455.8	140.5	5.4	27.9		
2,000 to 2,499	458.4	142.7	6.2	12.0	6.5	1.0	582.4	121.9	3.2	19.8		
2,500 to 2,999	368.5	114.1	4.4	8.3	9.4	0.7	406.3	89.6	4.0	14.1		
3,000 or more	744.5	208.7	8.5	15.8	30.3	2.5	954.2	233.0	8.6	34.4		
Number of household members												
1 member	618.9	188.8	3.9	16.6	1.7	0.5	687.8	126.6	3.5	20.9		
2 members	1,107.2	361.0	12.6	32.8	19.5	2.6	1,362.9	319.4	11.1	55.4		
3 members	449.8	190.3	7.1	15.7	15.0	1.4	422.0	112.4	4.5	19.5		
4 members	416.5	188.7	8.0	15.0	9.5	0.7	293.0	114.3	3.1	20.5		
5 members	160.1	83.2	3.2	6.1	3.4	0.2	121.8	48.5	1.6	6.6		
6 or more members	118.3	64.0	2.9	4.4	2.5	Q	108.5	37.7	Q	4.2		
2020 annual household income												
Less than \$5,000	62.4	31.8	0.6	2.4	N	Q	61.0	22.1	Q	2.2		

Table CE5.2 Detailed household natural gas and propane end-use consumption—totals, 2020

Total site energy consumption

	Natural gas				Propane (million gallons)					
	Space heating ^a	Water heating	Clothes dryers ^b	Cooking ^c	Pool heaters	Hot tub heaters	Space heating ^a	Water heating	Clothes dryers ^b	Cooking ^c
All homes	2,870.9	1,075.8	37.8	90.7	51.6	5.7	2,996.1	758.8	25.2	127.0
\$5,000 to \$9,999	52.7	24.5	0.4	2.1	N	Q	49.3	10.8	Q	2.0
\$10,000 to \$19,999	160.6	69.5	1.0	5.2	Q	Q	249.1	45.7	Q	11.0
\$20,000 to \$39,999	452.4	174.2	5.2	13.8	2.7	0.6	570.4	109.4	3.5	22.4
\$40,000 to \$59,999	421.0	148.5	4.9	12.7	3.1	0.4	433.4	105.9	3.9	17.3
\$60,000 to \$99,999	662.2	244.5	9.0	19.2	6.1	0.9	723.0	198.2	6.4	26.9
\$100,000 to \$149,999	460.0	170.2	7.5	15.8	8.9	0.7	470.0	129.2	4.2	20.8
\$150,000 or more	599.6	212.7	9.2	19.5	30.2	2.9	439.9	137.7	5.6	24.4
Payment method for energy bills										
All paid by household	2,737.0	987.2	36.7	80.6	50.7	5.4	2,936.6	716.9	24.4	122.9
Some paid by household, some										
included in rent or condo fee	80.5	56.9	0.6	7.6	Q	Q	49.2	32.7	Q	1.5
All included in rent or condo fee	46.4	29.8	Q	2.2	N	Q	10.4	7.8	Q	2.2
Some other method	Q	2.0	Q	0.2	N	N	N	Q	N	Q

Table CE5.2 Detailed household natural gas and propane end-use consumption—totals, 2020

Total site er	nergy cons	sumption
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	Natural gas				Propane (million gallons)					
	Space heating ^a	Water heating	Clothes dryers ^b	Cooking ^c	Pool heaters	Hot tub heaters	Space heating ^a	Water heating	Clothes dryers ^b	Cooking ^c
All homes	2,870.9	1,075.8	37.8	90.7	51.6	5.7	2,996.1	758.8	25.2	127.0

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 definition of terms used in these tables.

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.

^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.

^d Housing units are classified using criteria created by the U.S. Census Bureau based on 2010 Census data. Urbanized areas are densely settled groupings of blocks or tracts with 50,000 or more people. Urban clusters have at least 2,500 but less than 50,000 people. All other areas are rural.

^e The Building America program, sponsored by the U.S. Department of Energy's Office of Energy Efficiency and Renewable Energy (EERE), created these climate regions. We combined climate regions for this publication. The Subarctic region is included with data for *Very-cold and Cold*.

^f Rented includes households that occupy their primary housing units without paying rent.

Total square footage includes all basements, finished or conditioned (heated or cooled) areas of attics, and conditioned garage space that is attached to the home. Unconditioned and unfinished areas in attics and attached garages are excluded. The square footage of the home is based on respondent reports. Previous RECS cycles calculated square footage based on interviewer measurements. For households that did not report an exact square footage estimate, the square footage of the home was imputed based on a reported square footage range and/or characteristics of the home. See 2020 RECS Square Footage Methodology for full details about data collection and processing.

Data release date: June 2023

Revised data release date: March 2024

Relative standard errors (RSEs) for Table CE5.2 Detailed household natural gas and propane end-use consumption—totals, 2020

	Natural gas				Propane					
	Space heating ^a	Water heating	Clothes dryers ^b	Cooking ^c	Pool heaters	Hot tub heaters	Space heating ^a	Water heating	Clothes dryers ^b	Cooking ^c
All homes	1.01	0.89	2.50	1.28	8.70	9.17	4.48	4.78	9.11	3.95
Census region and division										
Northeast	1.92	1.92	4.44	2.38	15.65	25.47	10.07	8.95	15.39	6.67
New England	4.15	4.29	11.57	6.07	14.31	35.15	11.80	10.57	21.39	7.62
Middle Atlantic	2.39	2.39	4.68	3.09	15.86	32.29	12.62	12.21	19.27	10.15
Midwest	1.73	1.99	4.30	2.94	26.58	26.24	6.87	9.01	14.78	9.54
East North Central	2.02	2.35	4.83	3.56	27.66	37.11	8.75	13.00	18.35	14.01
West North Central	2.69	3.07	9.48	6.45	15.42	38.85	8.47	9.94	25.50	16.23
South	2.24	2.26	7.30	3.00	16.10	13.77	7.54	8.82	24.35	7.17
South Atlantic	3.18	3.57	12.58	4.90	27.39	23.75	10.94	13.33	36.79	10.53
East South Central	4.77	5.34	19.58	11.29	47.11	41.00	13.42	18.34	15.45	18.02
West South Central	3.96	3.46	9.72	3.81	19.82	17.84	13.46	13.75	37.28	11.71
West	1.64	1.48	5.07	2.20	16.53	15.43	11.22	9.92	17.97	11.62
Mountain	2.24	1.84	11.57	3.91	18.34	18.75	15.92	13.76	35.63	15.70
Mountain North	2.48	2.45	21.65	6.37	37.63	48.04	20.67	21.92	54.37	21.18
Mountain South	4.58	3.42	9.27	5.90	20.33	18.49	25.36	18.06	46.41	21.30
Pacific	2.83	2.09	5.32	2.54	21.58	20.69	17.00	13.71	22.48	14.38
Census urban/rural classification ^d										
Urban	1.11	1.02	2.51	1.49	9.32	9.46	11.04	8.87	18.52	8.59
Urbanized area	1.20	1.14	2.60	1.52	9.46	9.82	12.40	10.32	22.53	10.14
Urban cluster	4.94	4.53	9.34	7.63	55.62	40.62	18.47	19.50	31.72	14.62
Rural	3.81	4.17	8.46	5.77	25.60	23.69	4.74	5.19	10.62	4.58

	Natural gas			Propane							
	Space heating ^a	Water heating	Clothes dryers ^b	Cooking ^c	Pool heaters	Hot tub heaters	Space heating ^a	Water heating	Clothes dryers ^b	Coo king ^c	
All homes	1.01	0.89	2.50	1.28	8.70	9.17	4.48	4.78	9.11	3.95	
Climate region ^e											
Very cold and Cold	1.49	1.47	3.62	2.27	17.68	20.66	5.58	5.86	12.17	5.86	
Mixed-humid	2.17	2.10	6.00	2.88	18.54	20.83	9.32	8.44	24.41	8.35	
Mixed-dry and Hot-dry	3.42	2.02	6.26	3.57	17.93	18.00	18.53	15.68	28.88	20.61	
Hot-humid	4.35	3.91	10.19	4.76	18.00	17.66	15.41	11.36	28.70	11.09	
Marine	4.55	4.37	11.63	7.05	47.28	32.22	28.09	21.20	45.34	24.06	
Housing unit type											
Single-family detached	1.04	1.01	2.58	1.46	8.96	9.25	5.06	5.07	9.62	4.36	
Single-family attached	2.91	3.28	7.69	4.23	57.57	37.37	28.40	24.16	41.27	29.23	
Apartments in buildings with 2–4 units	5.10	3.80	13.67	5.50	0.00	55.78	35.11	25.69	64.70	37.98	
Apartments in buildings with 5 or											
more units	4.35	2.58	14.68	4.91	0.00	43.90	19.98	22.22	0.00	35.21	
Mobile homes	7.89	7.80	24.49	7.89	20.92	58.67	11.78	14.22	33.60	9.96	
Ownership of housing unit											
Owned	1.11	1.08	2.64	1.62	8.72	9.11	4.65	4.51	9.21	4.13	
Single-family	1.11	1.03	2.54	1.59	8.76	8.82	5.25	4.68	9.24	4.32	
Apartments	9.60	7.09	17.59	9.96	0.00	84.18	57.29	73.03	0.00	55.43	
Mobile homes	9.67	9.20	28.54	9.69	20.92	58.67	13.39	14.44	35.97	10.74	
Rented ^f	3.27	2.09	9.67	3.92	55.94	30.52	13.56	13.60	30.97	12.31	
Single-family	4.60	3.83	11.93	5.82	55.94	48.36	16.97	20.78	36.52	15.97	
Apartments	4.02	2.70	15.82	4.89	0.00	40.33	17.36	17.30	64.70	28.18	
Mobile homes	19.80	22.11	43.22	21.09	0.00	0.00	29.71	68.70	18.74	31.92	

	Natural gas				Propane						
	Space heating ^a	Water heating	Clothes dryers ^b	Cooking ^c	Pool heaters	Hot tub heaters	Space heating ^a	Water heating	Clothes dryers ^b	Cooking ^c	
All homes	1.01	0.89	2.50	1.28	8.70	9.17	4.48	4.78	9.11	3.95	
Year of construction											
Before 1950	2.48	2.41	5.83	3.08	27.50	49.48	11.11	11.50	23.30	11.97	
1950 to 1959	2.68	2.75	7.24	4.87	37.32	41.46	14.88	15.79	34.28	13.54	
1960 to 1969	3.45	2.66	9.98	4.89	26.03	48.94	17.87	18.91	38.47	17.22	
1970 to 1979	2.95	2.66	7.65	4.55	34.62	26.25	10.25	12.27	22.83	10.49	
1980 to 1989	3.25	3.14	7.22	4.91	24.59	25.72	9.85	13.16	26.81	11.55	
1990 to 1999	2.89	2.98	8.35	4.90	18.92	18.21	10.22	9.26	22.44	9.82	
2000 to 2009	2.95	2.81	7.82	4.52	17.51	16.30	10.49	10.54	21.37	8.45	
2010 to 2015	6.07	5.83	12.46	8.93	42.57	29.85	14.84	17.20	46.40	15.64	
2016 to 2020	7.54	7.75	14.24	7.44	29.59	30.65	19.34	18.69	42.44	15.98	
Total square footage ^g											
Less than 1,000	3.28	2.46	11.25	4.27	0.00	45.35	14.66	15.97	38.34	12.82	
1,000 to 1,499	3.18	3.14	7.51	4.40	41.52	36.42	8.25	12.34	30.27	10.43	
1,500 to 1,999	2.67	2.60	7.33	3.30	27.39	23.67	8.70	9.94	20.77	9.77	
2,000 to 2,499	3.16	3.59	5.73	4.34	27.21	22.25	10.79	11.90	28.27	10.57	
2,500 to 2,999	3.75	3.80	7.41	5.73	21.90	24.61	12.92	14.36	19.30	11.09	
3,000 or more	2.89	3.21	5.90	3.49	10.12	12.69	9.52	7.91	15.42	7.97	
Number of household members											
1 member	2.97	2.29	6.41	3.31	37.97	30.83	9.25	10.28	23.47	10.56	
2 members	1.98	1.80	4.22	3.25	15.44	16.09	6.52	6.17	12.57	6.13	
3 members	3.30	3.71	6.08	3.58	17.86	17.20	14.41	12.73	26.61	12.81	
4 members	3.37	3.74	7.40	4.83	17.08	22.29	12.24	13.16	21.92	11.42	
5 members	6.36	5.03	12.19	7.80	32.66	35.05	22.29	20.75	37.89	15.58	

Space heating ^a 1.01 7.50	Water heating 0.89	Clothes dryers ^b	Cooking ^c	Pool heaters	Hot tub heaters	Space heating ^a	Water heating	Clothes	_
	0.89	2 - 2					neating	dryers⁵	Cooking ^c
7.50		2.50	1.28	8.70	9.17	4.48	4.78	9.11	3.95
	7.40	13.64	9.92	38.18	41.16	24.35	24.93	62.76	19.56
11.18	7.40	26.68	13.33	0.00	14.69	32.49	26.62	61.34	25.54
11.51	9.59	27.24	15.32	0.00	46.40	23.20	28.49	71.16	31.51
6.09	5.16	14.60	6.95	16.58	43.49	15.33	17.11	52.04	15.23
3.39	3.88	7.85	5.18	40.66	35.97	9.75	12.04	30.62	10.75
3.39	2.99	8.71	3.59	35.65	35.01	11.04	11.38	28.04	12.93
2.72	1.94	5.94	3.50	30.84	24.11	8.82	8.83	22.72	6.86
2.66	3.06	7.41	3.81	19.94	21.55	10.91	12.28	19.61	10.40
3.07	3.02	5.56	3.25	10.82	11.79	12.01	9.75	16.89	9.15
1.05	0.94	2.66	1.56	8.94	9.21	4.49	4.72	9.42	3.85
7.98	6.03	28.06	7.03	78.69	65.47	34.08	23.05	59.70	35.21
9.78	7.94	53.82	10.75	0.00	51.41	43.41	47.42	88.47	40.05
54.63	39.65	46.31	44.00	0.00	0.00	0.00	71.79	0.00	68.07
	11.18 11.51 6.09 3.39 2.72 2.66 3.07 1.05	7.50 7.40 11.18 7.40 11.51 9.59 6.09 5.16 3.39 3.88 3.39 2.99 2.72 1.94 2.66 3.06 3.07 3.02 1.05 0.94 7.98 6.03 9.78 7.94	7.50 7.40 13.64 11.18 7.40 26.68 11.51 9.59 27.24 6.09 5.16 14.60 3.39 3.88 7.85 3.39 2.99 8.71 2.72 1.94 5.94 2.66 3.06 7.41 3.07 3.02 5.56 1.05 0.94 2.66 7.98 6.03 28.06 9.78 7.94 53.82	7.50 7.40 13.64 9.92 11.18 7.40 26.68 13.33 11.51 9.59 27.24 15.32 6.09 5.16 14.60 6.95 3.39 3.88 7.85 5.18 3.39 2.99 8.71 3.59 2.72 1.94 5.94 3.50 2.66 3.06 7.41 3.81 3.07 3.02 5.56 3.25 1.05 0.94 2.66 1.56 7.98 6.03 28.06 7.03 9.78 7.94 53.82 10.75	7.50 7.40 13.64 9.92 38.18 11.18 7.40 26.68 13.33 0.00 11.51 9.59 27.24 15.32 0.00 6.09 5.16 14.60 6.95 16.58 3.39 3.88 7.85 5.18 40.66 3.39 2.99 8.71 3.59 35.65 2.72 1.94 5.94 3.50 30.84 2.66 3.06 7.41 3.81 19.94 3.07 3.02 5.56 3.25 10.82 1.05 0.94 2.66 1.56 8.94 7.98 6.03 28.06 7.03 78.69 9.78 7.94 53.82 10.75 0.00	7.50 7.40 13.64 9.92 38.18 41.16 11.18 7.40 26.68 13.33 0.00 14.69 11.51 9.59 27.24 15.32 0.00 46.40 6.09 5.16 14.60 6.95 16.58 43.49 3.39 3.88 7.85 5.18 40.66 35.97 3.39 2.99 8.71 3.59 35.65 35.01 2.72 1.94 5.94 3.50 30.84 24.11 2.66 3.06 7.41 3.81 19.94 21.55 3.07 3.02 5.56 3.25 10.82 11.79 1.05 0.94 2.66 1.56 8.94 9.21 7.98 6.03 28.06 7.03 78.69 65.47 9.78 7.94 53.82 10.75 0.00 51.41	7.50 7.40 13.64 9.92 38.18 41.16 24.35 11.18 7.40 26.68 13.33 0.00 14.69 32.49 11.51 9.59 27.24 15.32 0.00 46.40 23.20 6.09 5.16 14.60 6.95 16.58 43.49 15.33 3.39 3.88 7.85 5.18 40.66 35.97 9.75 3.39 2.99 8.71 3.59 35.65 35.01 11.04 2.72 1.94 5.94 3.50 30.84 24.11 8.82 2.66 3.06 7.41 3.81 19.94 21.55 10.91 3.07 3.02 5.56 3.25 10.82 11.79 12.01 1.05 0.94 2.66 1.56 8.94 9.21 4.49 7.98 6.03 28.06 7.03 78.69 65.47 34.08 9.78 7.94 53.82 10.75	7.50 7.40 13.64 9.92 38.18 41.16 24.35 24.93 11.18 7.40 26.68 13.33 0.00 14.69 32.49 26.62 11.51 9.59 27.24 15.32 0.00 46.40 23.20 28.49 6.09 5.16 14.60 6.95 16.58 43.49 15.33 17.11 3.39 3.88 7.85 5.18 40.66 35.97 9.75 12.04 3.39 2.99 8.71 3.59 35.65 35.01 11.04 11.38 2.72 1.94 5.94 3.50 30.84 24.11 8.82 8.83 2.66 3.06 7.41 3.81 19.94 21.55 10.91 12.28 3.07 3.02 5.56 3.25 10.82 11.79 12.01 9.75 1.05 0.94 2.66 1.56 8.94 9.21 4.49 4.72 7.98 6.03 28.06 7.03 78.69 65.47 34.08 23.05 9.78 7.94 53.82 10.75 0.00 51.41 43.41 47.42	7.50 7.40 13.64 9.92 38.18 41.16 24.35 24.93 62.76 11.18 7.40 26.68 13.33 0.00 14.69 32.49 26.62 61.34 11.51 9.59 27.24 15.32 0.00 46.40 23.20 28.49 71.16 6.09 5.16 14.60 6.95 16.58 43.49 15.33 17.11 52.04 3.39 3.88 7.85 5.18 40.66 35.97 9.75 12.04 30.62 3.39 2.99 8.71 3.59 35.65 35.01 11.04 11.38 28.04 2.72 1.94 5.94 3.50 30.84 24.11 8.82 8.83 22.72 2.66 3.06 7.41 3.81 19.94 21.55 10.91 12.28 19.61 3.07 3.02 5.56 3.25 10.82 11.79 12.01 9.75 16.89 1.05 0.94 2.66 1.56 8.94 9.21 4.49 4.72 9.42

RSEs for total site energy consumption

	Natural gas							Propane				
	Space heating ^a	Water heating	Clothes dryers ^b	Cooking ^c	Pool heaters	Hot tub heaters	Space heating ^a	Water heating	Clothes dryers ^b	Cooking ^c		
All homes	1.01	0.89	2.50	1.28	8.70	9.17	4.48	4.78	9.11	3.95		

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 definition 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.

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^f Rented includes households that occupy their primary housing units without paying rent.

Total square footage includes all basements, finished or conditioned (heated or cooled) areas of attics, and conditioned garage space that is attached to the home. Unconditioned and unfinished areas in attics and attached garages are excluded. The square footage of the home is based on respondent reports. Previous RECS cycles calculated square footage based on interviewer measurements. For households that did not report an exact square footage estimate, the square footage of the home was imputed based on a reported square footage range and/or characteristics of the home. See 2020 RECS Square Footage Methodology for full details about data collection and processing.