Table SH3. Total Consumption for Space Heating by Major Fuels Used, 2005
Physical Units

	U.S. Households (millions)	Total U.S. Using a Major Space Heating Fuel[4] (millions)	Major Fuels Used[4] (physical units)				
			Electricity (billion kWh)	Natural Gas (billion cf)	Fuel Oil (million gal)	Kerosene[5] (million gal)	LPG (million gal)
Total	111.1	106.3	82	2,870	5,251	127	3,521
Census Region and Division							
Northeast	20.6	20.1	7	768	4,303	26	359
New England	5.5	5.3	1	176	1,828	Q	121
Middle Atlantic	15.1	14.9	6	592	2,474	Q	238
Midwest	25.6	24.8	15	1,178	418	Q	1,350
East North Central	17.7	17.1	10	886	389	Q	818
West North Central	7.9	7.8	5	292	Q	Q	532
South	40.7	39.5	45	484	349	64	1,316
South Atlantic	21.7	20.8	26	245	331	54	541
East South Central	6.9	6.7	10	107	Q	Q	439
West South Central	12.1	11.9	10	132	N	N	336
West	24.2	21.9	15	440	181	Q	496
Mountain	7.6	7.2	4	191	Q	N	380
Pacific	16.6	14.6	11	248	Q	Q	116
Four Most Populated States							
New York	7.1	6.9	2	261	1,459	Q	Q
Florida	7.0	6.3	4	Q	N	Q	Q
Texas	8.0	7.8	6	74	N	N	Q
California	12.1	10.7	4	140	Q	N	Q
All Other States	76.9	74.6	66	2,390	3,774	118	3,239
Urban/Rural Location (as Self-Reported)							
City	47.1	44.3	30	1,265	1,509	13	100
Town	19.0	18.5	12	644	1,220	10	151
Suburbs	22.7	22.2	16	731	872	Q	184
Rural	22.3	21.3	24	230	1,650	92	3,085
Climate Zone[1]							
Less than 2,000 CDD and--							
Greater than 7,000 HDD	10.9	10.6	5	438	1,137	Q	1,016
5,500 to 7,000 HDD	26.1	25.3	14	1,165	2,082	Q	833
4,000 to 5,499 HDD	27.3	26.8	26	834	1,927	41	611
Fewer than 4,000 HDD	24.0	22.3	20	304	Q	Q	855
2000 CDD or More and--							
Less than 4,000 HDD	22.8	21.3	17	129	N	Q	206

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	U.S. Households (millions)	Total U.S. Using a Major Space Heating Fuel[4] (millions)	Major Fuels Used[4] (physical units)				
			Electricity (billion kWh)	Natural Gas (billion cf)	Fuel Oil (million gal)	Kerosene[5] (million gal)	LPG (million gal)
Type of Housing Unit							
Single-Family Detached	72.1	70.2	52	2,039	3,966	68	2,929
Single-Family Attached	7.6	7.3	5	249	217	Q	Q
Apartments in 2-4 Unit Buildings	7.8	7.2	5	260	463	N	Q
Apartments in 5 or More Unit Buildings	16.7	15.1	14	246	521	Q	Q
Mobile Homes	6.9	6.5	7	76	84	56	511
Ownership of Housing Unit							
Owned	78.1	75.9	57	2,152	4,044	108	3,173
Single-Family Detached	64.1	62.5	47	1,827	3,605	59	2,695
Single-Family Attached	4.2	4.1	2	141	Q	Q	Q
Apartments in 2-4 Unit Buildings	1.8	1.8	1	91	156	N	N
Apartments in 5 or More Unit Buildings	2.3	2.1	1	31	Q	N	Q
Mobile Homes	5.7	5.4	6	62	Q	47	443
Rented	33.0	30.4	26	718	1,207	Q	348
Single-Family Detached	8.0	7.7	5	212	361	Q	234
Single-Family Attached	3.4	3.2	3	108	Q	N	N
Apartments in 2-4 Unit Buildings	5.9	5.4	4	169	307	N	Q
Apartments in 5 or More Unit Buildings	14.4	13.0	12	215	483	Q	Q
Mobile Homes	1.2	1.0	1	14	Q	Q	Q
Year of Construction							
Before 1940	14.7	14.1	6	657	1,888	14	526
1940 to 1949	7.4	7.0	3	239	584	Q	269
1950 to 1959	12.5	12.2	6	398	925	Q	208
1960 to 1969	12.5	11.6	8	362	600	Q	177
1970 to 1979	18.9	17.7	15	393	652	62	482
1980 to 1989	18.6	17.9	19	312	300	19	541
1990 to 1999	17.3	16.8	18	343	217	Q	833
2000 to 2005	9.2	8.9	9	165	84	Q	485

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Physical Units

	U.S. Households (millions)	Total U.S. Using a Major Space Heating Fuel[4] (millions)	Major Fuels Used[4] (physical units)				
			Electricity (billion kWh)	Natural Gas (billion cf)	Fuel Oil (million gal)	Kerosene[5] (million gal)	LPG (million gal)
Household Size							
1 Person	30.0	28.9	23	718	1,352	51	765
2 Persons	34.8	33.6	25	894	1,830	25	1,556
3 Persons	18.4	17.7	15	476	1,019	Q	532
4 Persons	15.9	15.0	12	428	651	Q	481
5 Persons	7.9	7.4	5	231	310	Q	122
6 or More Persons	4.1	3.7	3	123	Q	Q	65
2005 Household Income Category							
Less than $10,000	9.9	9.2	7	239	429	Q	264
$10,000 to $14,999	8.5	8.0	7	183	496	37	211
$15,000 to $19,999	8.4	7.9	7	181	433	Q	241
$20,000 to $29,999	15.1	14.4	11	408	521	Q	350
$30,000 to $39,999	13.6	12.8	10	296	597	Q	461
$40,000 to $49,999	11.0	10.6	8	283	507	Q	400
$50,000 to $74,999	19.8	19.3	14	504	844	Q	707
$75,000 to $99,999	10.6	10.2	8	304	773	Q	424
$100,000 or More	14.2	13.8	10	473	650	Q	464
Income Relative to Poverty Line							
Below 100 Percent	16.6	15.4	12	398	744	37	445
100 to 150 Percent	12.9	12.1	10	282	506	46	310
Above 150 Percent	81.5	78.8	60	2,190	4,001	43	2,765
Eligible for Federal Assistance[2]							
Yes	38.6	36.1	29	935	1,900	92	940
No	72.5	70.3	53	1,935	3,350	34	2,581
Payment Method for Utilities							
All Paid by Household	97.5	93.9	74	2,520	4,349	122	3,338
Some Paid, Some in Rent	7.6	6.8	4	194	575	Q	Q
All Included in Rent	4.7	4.4	3	120	277	Q	Q
Other Method	1.3	1.2	2	35	Q	N	Q

Table SH3. Total Consumption for Space Heating by Major Fuels Used, 2005
Physical Units

	U.S. Households (millions)	Total U.S. Using a Major Space Heating Fuel[4] (millions)	Major Fuels Used[4] (physical units)				
			Electricity (billion kWh)	Natural Gas (billion cf)	Fuel Oil (million gal)	Kerosene[5] (million gal)	LPG (million gal)
Ethnic Origin of Householder							
Hispanic Descent	14.8	13.1	9	290	570	Q	218
Non-Hispanic Descent	96.3	93.2	74	2,580	4,680	126	3,303
Race of Householder[3]							
White	79.1	76.3	58	2,097	4,142	90	3,009
Hispanic	5.0	4.4	3	75	119	Q	Q
Non-Hispanic	74.1	71.9	55	2,022	4,023	90	2,877
Black	13.4	13.2	12	382	412	33	262
Hispanic	0.3	0.3	Q	Q	Q	N	Q
Non-Hispanic	13.1	12.9	12	373	377	33	239
Asian	3.3	2.9	2	67	Q	N	N
Multi-Racial	1.3	1.2	1	30	Q	Q	Q
Other	7.1	6.6	4	143	287	Q	229
Undetermined (Race Reported as Hispanic)	6.9	6.0	4	151	344	N	Q
Age of Householder							
Under 25 Years	5.5	5.0	5	98	165	Q	Q
25 to 34 Years	18.2	17.3	15	422	512	Q	343
35 to 44 Years	22.2	21.1	17	584	889	Q	460
45 to 54 Years	23.3	22.5	18	628	1,155	9	764
55 to 64 Years	18.0	17.1	11	442	942	36	875
65 to 74 Years	12.3	11.9	8	347	537	21	606
75 Years or More	11.7	11.4	7	349	1,050	Q	421
Adults Age 65 or Older in Household							
Yes	26.9	25.8	17	777	1,723	38	1,056
No	84.2	80.5	65	2,093	3,528	88	2,465
Children Under Age 5 in Household							
Yes	15.0	14.2	11	383	434	Q	231
No	96.1	92.1	71	2,487	4,817	121	3,290
Children Age 5 to 16 in Household							
Yes	28.1	26.8	22	781	1,102	Q	782
No	83.0	79.5	61	2,089	4,148	91	2,739

Table SH3. Total Consumption for Space Heating by Major Fuels Used, 2005
Physical Units

	U.S. Households (millions)	Total U.S. Using a Major Space Heating Fuel[4] (millions)	Major Fuels Used[4] (physical units)				
			Electricity (billion kWh)	Natural Gas (billion cf)	Fuel Oil (million gal)	Kerosene[5] (million gal)	LPG (million gal)
Age of Main Heating Equipment							
Used by One Housing Unit							
Less than 2 Years	11.7	11.4	10	264	272	Q	482
2 to 4 Years	13.8	13.6	11	290	684	13	692
5 to 9 Years	20.6	20.1	17	478	523	24	1,012
10 to 19 Years	24.8	24.2	19	663	1,158	Q	918
20 Years or More	21.5	20.5	15	664	1,577	23	280
Don't Know	8.6	8.2	8	231	165	Q	Q
Used by Two or More Housing Units							
Less than 2 Years	0.3	0.3	Q	Q	Q	N	N
2 to 4 Years	0.4	0.4	Q	Q	Q	N	Q
5 to 9 Years	0.6	0.6	Q	18	Q	N	N
10 to 19 Years	1.1	1.0	Q	39	Q	Q	Q
20 Years or More	2.7	2.4	1	86	241	N	Q
Don't Know	3.7	3.5	1	117	451	N	Q
Heated Floorspace (Square Feet)							
Fewer than 500	9.7	6.1	6	116	125	Q	81
500 to 999	27.7	27.4	22	564	1,046	42	719
1,000 to 1,499	26.0	25.8	19	631	1,088	59	786
1,500 to 1,999	17.6	17.3	12	480	766	Q	654
2,000 to 2,499	10.7	10.6	7	328	778	Q	324
2,500 to 2,999	7.7	7.7	6	265	549	Q	128
3,000 to 3,499	3.8	3.8	3	155	225	Q	231
3,500 to 3,999	2.6	2.6	2	112	362	Q	224
4,000 or More	5.2	5.2	5	218	311	Q	374
Weekday Home Activities							
Home Used for Business							
Yes	8.9	8.6	6	246	472	Q	487
No	102.2	97.7	76	2,624	4,779	123	3,034
Energy-Intensive Activity							
Yes	2.2	2.2	2	62	Q	Q	Q
No	108.9	104.1	81	2,808	5,213	126	3,424
Someone Home All Day							
Yes	56.4	53.8	41	1,523	2,966	70	1,959
No	54.7	52.6	42	1,347	2,284	56	1,562

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			Electricity (billion kWh)	Natural Gas (billion cf)	Fuel Oil (million gal)	Kerosene[5] (million gal)	LPG (million gal)
Adequacy of Insulation							
Well Insulated	42.8	41.6	32	1,078	2,185	44	1,622
Adequately Insulated	46.3	44.4	34	1,191	2,215	32	1,418
Poorly Insulated	19.0	17.9	14	528	707	49	448
No Insulation	1.4	0.9	(*)	23	Q	Q	N
Don't Know	1.7	1.5	1	51	Q	N	Q
Home is Too Drafty During the Winter							
Never	62.9	60.1	46	1,453	2,861	46	1,982
Some of the Time	32.4	31.2	23	926	1,787	35	1,179
Most of the Time	6.1	5.8	4	204	339	Q	148
All of the Time	5.6	5.4	5	192	166	Q	128
Don't Know	4.1	3.8	4	94	Q	N	Q
Unusually High Ceilings							
Yes	27.2	26.6	21	748	965	Q	996
No	76.9	73.3	54	2,046	4,201	65	2,014
Not Asked (Mobile Homes)	6.9	6.5	7	76	84	56	511
Cathedral Ceilings							
(In Housing Units with High Ceilings)							
Yes	17.1	16.6	13	421	566	Q	748
No	10.1	10.0	8	327	400	Q	248
Type of Glass in Windows							
Single-pane Glass	50.7	47.6	35	1,158	1,856	71	1,045
Double-pane Glass							
Without Low-e Coating	50.6	49.2	41	1,416	2,843	50	1,800
With Low-e Coating	8.0	7.9	5	241	437	Q	583
Triple-pane Glass							
Without Low-e Coating	1.0	0.9	1	36	Q	N	Q
With Low-e Coating	0.3	0.3	Q	Q	Q	Q	Q
Proportion of Original Windows Replaced							
All	22.4	22.0	13	705	1,867	12	887
Some	21.6	20.6	14	720	1,493	15	566
None	62.3	59.3	51	1,331	1,851	100	2,057
Don't Know	4.7	4.4	4	115	Q	Q	Q

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			Electricity (billion kWh)	Natural Gas (billion cf)	Fuel Oil (million gal)	Kerosene[5] (million gal)	LPG (million gal)
Thermostats							
Do Not Have a Thermostat	15.3	12.8	10	243	604	Q	511
Have a Thermostat	95.8	93.5	73	2,627	4,646	88	3,010
1	84.5	82.4	61	2,270	3,645	73	2,485
2 or More	11.3	11.2	12	358	1,001	Q	525
Have a Programmable Thermostat							
Yes	33.1	32.6	20	1,036	1,250	38	929
No	62.7	60.9	52	1,591	3,396	50	2,081
Use of Programmable Thermostats							
Reduces Temperature During Day							
Yes	18.6	18.4	10	643	774	Q	409
No	14.5	14.2	10	393	476	Q	520
Reduces Temperature at Night							
Yes	21.5	21.2	12	720	820	20	488
No	11.6	11.4	8	316	430	Q	441

1 One of five climatically distinct areas, determined according to the 30-year average (1971-2000) of the annual heating and cooling degree-days. A household is assigned to a climate zone according to the 30-year average annual degree-days for an appropriate nearby weather station.

2 Below 150 percent of poverty line or 60 percent of median state income.

3 Respondents were permitted to select more than one racial category to describe themselves. The "Other" category includes Native Americans, Native Alaskans, and Pacific Islanders.

4 The major fuels are electricity, natural gas, fuel oil, kerosene, and liquefied petroleum gas (LPG).

5 Kerosene consumption and expenditure estimates could only be calculated for space heating since too few cases in the sample had viable data for water heating and appliances. Therefore, total estimates for kerosene equal space heating estimates for kerosene.

Q = Data withheld either because the Relative Standard Error (RSE) was greater than 50 percent or fewer than 10 households were sampled.

N = No cases in the reporting sample.

(*) Number less than 0.5, 0.05, or 0.005 depending on the number of significant digits in the column, rounded to zero.

Notes: ● Because of rounding, data may not sum to totals. ● See "Glossary" for definition of terms used in this report.

Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-457 A-G of the 2005 Residential Energy Consumption Survey.