Table SH5. Total Expenditures for Space Heating by Major Fuels Used, 2005
Billion Dollars

	U.S. Households (millions)	Total U.S. Using a Major Space Heating Fuel[4] (millions)	Major Fuels Used[4] (billion Dollars)					
			Total	Electricity	Natural Gas	Fuel Oil	Kerosene[5]	LPG
Total	111.1	106.3	56.73	7.42	31.97	10.75	0.24	6.35
Census Region and Division								
Northeast	20.6	20.1	19.51	0.82	9.26	8.77	0.05	0.61
New England	5.5	5.3	6.27	0.16	2.25	3.67	Q	0.16
Middle Atlantic	15.1	14.9	13.25	0.66	7.01	5.10	Q	0.45
Midwest	25.6	24.8	16.75	1.21	12.44	0.86	Q	2.18
East North Central	17.7	17.1	12.10	0.83	9.11	0.80	Q	1.31
West North Central	7.9	7.8	4.65	0.39	3.33	Q	Q	0.86
South	40.7	39.5	13.19	3.94	5.74	0.73	0.12	2.65
South Atlantic	21.7	20.8	7.20	2.27	2.96	0.70	0.10	1.17
East South Central	6.9	6.7	2.94	0.72	1.31	Q	Q	0.85
West South Central	12.1	11.9	3.06	0.96	1.47	N	N	0.63
West	24.2	21.9	7.28	1.44	4.53	0.38	Q	0.91
Mountain	7.6	7.2	3.02	0.40	1.92	Q	N	0.67
Pacific	16.6	14.6	4.26	1.05	2.61	Q	Q	0.24
Four Most Populated States								
New York	7.1	6.9	6.84	0.30	3.25	3.03	Q	Q
Florida	7.0	6.3	0.55	0.45	Q	N	Q	Q
Texas	8.0	7.8	1.67	0.69	0.83	N	N	Q
California	12.1	10.7	2.22	0.52	1.54	Q	N	Q
All Other States	76.9	74.6	45.45	5.47	26.26	7.69	0.23	5.81
Urban/Rural Location (as Self-Reported)								
City	47.1	44.3	20.24	2.86	14.05	3.07	0.02	0.24
Town	19.0	18.5	11.04	1.09	7.18	2.49	0.02	0.27
Suburbs	22.7	22.2	11.84	1.41	8.22	1.81	Q	0.38
Rural	22.3	21.3	13.60	2.06	2.52	3.38	0.18	5.47
Climate Zone[1]								
Less than 2,000 CDD and--								
Greater than 7,000 HDD	10.9	10.6	8.86	0.47	4.47	2.28	Q	1.63
5,500 to 7,000 HDD	26.1	25.3	19.78	1.20	12.88	4.23	Q	1.40
4,000 to 5,499 HDD	27.3	26.8	17.11	2.18	9.57	4.03	0.08	1.25
Fewer than 4,000 HDD	24.0	22.3	7.26	1.88	3.49	Q	Q	1.62
2000 CDD or More and--								
Less than 4,000 HDD	22.8	21.3	3.72	1.70	1.56	N	Q	0.45

Table SH5. Total Expenditures for Space Heating by Major Fuels Used, 2005
Billion Dollars

	U.S. Households (millions)	Total U.S. Using a Major Space Heating Fuel[4] (millions)	Major Fuels Used[4] (billion Dollars)					
			Total	Electricity	Natural Gas	Fuel Oil	Kerosene[5]	LPG
Type of Housing Unit								
Single-Family Detached	72.1	70.2	40.89	4.55	22.82	8.12	0.13	5.28
Single-Family Attached	7.6	7.3	3.76	0.48	2.79	0.44	Q	Q
Apartments in 2-4 Unit Buildings	7.8	7.2	4.43	0.43	3.05	0.95	N	Q
Apartments in 5 or More Unit Buildings	16.7	15.1	4.93	1.33	2.45	1.06	Q	Q
Mobile Homes	6.9	6.5	2.71	0.63	0.86	0.18	0.11	0.93
Ownership of Housing Unit								
Owned	78.1	75.9	43.44	5.02	24.19	8.32	0.20	5.71
Single-Family Detached	64.1	62.5	36.89	4.09	20.45	7.41	0.11	4.82
Single-Family Attached	4.2	4.1	2.23	0.22	1.57	Q	Q	Q
Apartments in 2-4 Unit Buildings	1.8	1.8	1.52	0.07	1.13	0.32	N	N
Apartments in 5 or More Unit Buildings	2.3	2.1	0.54	0.12	0.31	Q	N	Q
Mobile Homes	5.7	5.4	2.26	0.52	0.71	Q	0.09	0.82
Rented	33.0	30.4	13.29	2.40	7.79	2.43	Q	0.64
Single-Family Detached	8.0	7.7	4.01	0.46	2.36	0.71	Q	0.45
Single-Family Attached	3.4	3.2	1.53	0.26	1.22	Q	N	N
Apartments in 2-4 Unit Buildings	5.9	5.4	2.91	0.36	1.92	0.62	N	Q
Apartments in 5 or More Unit Buildings	14.4	13.0	4.39	1.21	2.13	0.98	Q	Q
Mobile Homes	1.2	1.0	0.46	0.11	0.15	Q	Q	Q
Year of Construction								
Before 1940	14.7	14.1	12.75	0.55	7.40	3.86	0.03	0.91
1940 to 1949	7.4	7.0	4.50	0.26	2.60	1.20	Q	0.43
1950 to 1959	12.5	12.2	7.34	0.54	4.50	1.90	Q	0.38
1960 to 1969	12.5	11.6	6.33	0.69	4.08	1.23	Q	0.33
1970 to 1979	18.9	17.7	8.09	1.33	4.37	1.37	0.12	0.91
1980 to 1989	18.6	17.9	6.79	1.67	3.41	0.61	0.04	1.05
1990 to 1999	17.3	16.8	7.30	1.59	3.74	0.44	Q	1.52
2000 to 2005	9.2	8.9	3.62	0.78	1.87	0.16	Q	0.81

Table SH5. Total Expenditures for Space Heating by Major Fuels Used, 2005
Billion Dollars

	U.S. Households (millions)	Total U.S. Using a Major Space Heating Fuel[4] (millions)	Major Fuels Used[4] (billion Dollars)					
			Total	Electricity	Natural Gas	Fuel Oil	Kerosene[5]	LPG
Household Size								
1 Person	30.0	28.9	14.18	2.11	7.87	2.76	0.10	1.33
2 Persons	34.8	33.6	18.89	2.21	10.13	3.77	0.05	2.74
3 Persons	18.4	17.7	9.76	1.30	5.36	2.11	Q	0.94
4 Persons	15.9	15.0	8.07	1.07	4.69	1.33	Q	0.98
5 Persons	7.9	7.4	3.92	0.47	2.57	0.62	Q	0.23
6 or More Persons	4.1	3.7	1.91	0.26	1.35	Q	Q	0.13
2005 Household Income Category								
Less than $10,000	9.9	9.2	4.67	0.66	2.62	0.87	Q	0.48
$10,000 to $14,999	8.5	8.0	4.03	0.63	1.92	1.01	0.07	0.39
$15,000 to $19,999	8.4	7.9	3.92	0.61	1.97	0.86	Q	0.46
$20,000 to $29,999	15.1	14.4	7.36	1.03	4.50	1.07	Q	0.69
$30,000 to $39,999	13.6	12.8	6.39	0.92	3.40	1.24	Q	0.82
$40,000 to $49,999	11.0	10.6	5.62	0.70	3.18	1.03	Q	0.70
$50,000 to $74,999	19.8	19.3	9.82	1.26	5.63	1.74	Q	1.17
$75,000 to $99,999	10.6	10.2	6.66	0.73	3.55	1.57	Q	0.82
$100,000 or More	14.2	13.8	8.26	0.89	5.20	1.35	Q	0.81
Income Relative to Poverty Line								
Below 100 Percent	16.6	15.4	7.83	1.12	4.31	1.51	0.06	0.83
100 to 150 Percent	12.9	12.1	5.74	0.90	3.11	1.03	0.09	0.61
Above 150 Percent	81.5	78.8	43.16	5.40	24.56	8.21	0.08	4.91
Eligible for Federal Assistance[2]								
Yes	38.6	36.1	18.72	2.64	10.24	3.87	0.17	1.79
No	72.5	70.3	38.01	4.78	21.73	6.88	0.07	4.56
Payment Method for Utilities								
All Paid by Household	97.5	93.9	50.38	6.61	28.58	8.91	0.23	6.04
Some Paid, Some in Rent	7.6	6.8	3.71	0.40	1.94	1.17	Q	Q
All Included in Rent	4.7	4.4	2.01	0.28	1.08	0.56	Q	Q
Other Method	1.3	1.2	0.63	0.13	0.37	Q	N	Q

Table SH5. Total Expenditures for Space Heating by Major Fuels Used, 2005
Billion Dollars

	U.S. Households (millions)	Total U.S. Using a Major Space Heating Fuel[4] (millions)	Major Fuels Used[4] (billion Dollars)					
			Total	Electricity	Natural Gas	Fuel Oil	Kerosene[5]	LPG
Ethnic Origin of Householder								
Hispanic Descent	14.8	13.1	5.68	0.86	3.26	1.16	Q	0.39
Non-Hispanic Descent	96.3	93.2	51.05	6.56	28.72	9.58	0.24	5.96
Race of Householder[3]								
White	79.1	76.3	42.66	5.14	23.49	8.48	0.17	5.38
Hispanic	5.0	4.4	1.62	0.30	0.85	0.25	Q	Q
Non-Hispanic	74.1	71.9	41.04	4.84	22.64	8.23	0.17	5.16
Black	13.4	13.2	6.74	1.13	4.21	0.84	Q	0.49
Hispanic	0.3	0.3	0.26	Q	Q	Q	N	Q
Non-Hispanic	13.1	12.9	6.49	1.11	4.08	0.77	Q	0.45
Asian	3.3	2.9	1.04	0.20	0.73	Q	N	N
Multi-Racial	1.3	1.2	0.51	0.09	0.35	Q	Q	Q
Other	7.1	6.6	2.95	0.42	1.53	0.59	Q	0.41
Undetermined (Race Reported as Hispanic)	6.9	6.0	2.84	0.43	1.66	0.70	N	Q
Age of Householder								
Under 25 Years	5.5	5.0	1.99	0.48	1.08	0.33	Q	Q
25 to 34 Years	18.2	17.3	7.78	1.34	4.70	1.04	Q	0.65
35 to 44 Years	22.2	21.1	10.79	1.58	6.47	1.82	Q	0.89
45 to 54 Years	23.3	22.5	12.32	1.60	6.97	2.35	0.02	1.38
55 to 64 Years	18.0	17.1	9.60	1.01	5.09	1.94	0.07	1.48
65 to 74 Years	12.3	11.9	6.79	0.72	3.83	1.11	0.04	1.10
75 Years or More	11.7	11.4	7.44	0.67	3.83	2.15	Q	0.76
Adults Age 65 or Older in Household	d							
Yes	26.9	25.8	15.65	1.54	8.59	3.53	0.07	1.92
No	84.2	80.5	41.08	5.88	23.38	7.22	0.17	4.43
Children Under Age 5 in Household								
Yes	15.0	14.2	6.76	1.06	4.35	0.89	Q	0.45
No	96.1	92.1	49.97	6.36	27.62	9.86	0.23	5.90
Children Age 5 to 16 in Household								
Yes	28.1	26.8	14.40	1.96	8.64	2.24	Q	1.49
No	83.0	79.5	42.33	5.46	23.33	8.50	0.17	4.86

Table SH5. Total Expenditures for Space Heating by Major Fuels Used, 2005
Billion Dollars

	U.S. Households (millions)	Total U.S. Using a Major Space Heating Fuel[4] (millions)	Major Fuels Used[4] (billion Dollars)					
			Total	Electricity	Natural Gas	Fuel Oil	Kerosene[5]	LPG
Age of Main Heating Equipment								
Used by One Housing Unit								
Less than 2 Years	11.7	11.4	5.31	0.83	2.95	0.56	Q	0.90
2 to 4 Years	13.8	13.6	6.83	0.97	3.30	1.41	Q	1.12
5 to 9 Years	20.6	20.1	9.75	1.45	5.37	1.09	0.05	1.79
10 to 19 Years	24.8	24.2	13.37	1.66	7.56	2.38	Q	1.72
20 Years or More	21.5	20.5	12.61	1.39	7.40	3.20	0.05	0.57
Don't Know	8.6	8.2	3.72	0.71	2.54	0.33	Q	Q
Used by Two or More Housing Units								
Less than 2 Years	0.3	0.3	0.15	Q	Q	Q	N	N
2 to 4 Years	0.4	0.4	0.24	Q	Q	Q	N	Q
5 to 9 Years	0.6	0.6	0.32	Q	0.16	Q	N	N
10 to 19 Years	1.1	1.0	0.63	Q	0.42	Q	Q	Q
20 Years or More	2.7	2.4	1.45	0.12	0.82	0.49	N	Q
Don't Know	3.7	3.5	2.35	0.15	1.23	0.92	N	Q
Heated Floorspace (Square Feet)								
Fewer than 500	9.7	6.1	2.27	0.53	1.30	0.25	Q	0.17
500 to 999	27.7	27.4	11.72	2.11	6.12	2.14	0.08	1.26
1,000 to 1,499	26.0	25.8	12.53	1.69	7.09	2.24	0.11	1.40
1,500 to 1,999	17.6	17.3	9.28	1.05	5.43	1.57	Q	1.22
2,000 to 2,499	10.7	10.6	6.54	0.66	3.69	1.57	Q	0.61
2,500 to 2,999	7.7	7.7	4.86	0.54	2.94	1.12	Q	0.26
3,000 to 3,499	3.8	3.8	2.84	0.24	1.76	0.47	Q	0.36
3,500 to 3,999	2.6	2.6	2.49	0.17	1.23	0.75	Q	0.34
4,000 or More	5.2	5.2	4.20	0.43	2.42	0.64	Q	0.72
Weekday Home Activities								
Home Used for Business								
Yes	8.9	8.6	5.10	0.55	2.72	1.01	Q	0.82
No	102.2	97.7	51.62	6.87	29.26	9.74	0.24	5.53
Energy-Intensive Activity								
Yes	2.2	2.2	1.12	0.17	0.70	Q	Q	Q
No	108.9	104.1	55.61	7.25	31.27	10.67	0.24	6.18
Someone Home All Day								
Yes	56.4	53.8	30.30	3.63	16.95	6.06	0.13	3.53
No	54.7	52.6	26.43	3.79	15.02	4.69	0.11	2.82

Table SH5. Total Expenditures for Space Heating by Major Fuels Used, 2005
Billion Dollars

	U.S. Households (millions)	Total U.S. Using a Major Space Heating Fuel[4] (millions)	Major Fuels Used[4] (billion Dollars)					
			Total	Electricity	Natural Gas	Fuel Oil	Kerosene[5]	LPG
Adequacy of Insulation								
Well Insulated	42.8	41.6	22.17	2.91	11.89	4.47	0.08	2.82
Adequately Insulated	46.3	44.4	23.58	3.05	13.31	4.53	0.06	2.62
Poorly Insulated	19.0	17.9	9.60	1.28	5.92	1.44	0.09	0.86
No Insulation	1.4	0.9	0.52	0.05	0.24	Q	Q	N
Don't Know	1.7	1.5	0.86	0.12	0.62	Q	N	Q
Home is Too Drafty During the Winter	er							
Never	62.9	60.1	29.83	4.17	16.05	5.86	0.08	3.67
Some of the Time	32.4	31.2	18.29	2.12	10.43	3.67	0.07	2.01
Most of the Time	6.1	5.8	3.71	0.37	2.32	0.68	Q	0.28
All of the Time	5.6	5.4	3.12	0.41	2.10	0.34	Q	0.25
Don't Know	4.1	3.8	1.78	0.35	1.07	Q	N	Q
Unusually High Ceilings								
Yes	27.2	26.6	14.00	1.92	8.31	1.95	Q	1.82
No	76.9	73.3	40.02	4.87	22.80	8.62	0.12	3.60
Not Asked (Mobile Homes)	6.9	6.5	2.71	0.63	0.86	0.18	0.11	0.93
Cathedral Ceilings								
(In Housing Units with High Ceilings)	gs)							
Yes	17.1	16.6	8.37	1.24	4.63	1.13	Q	1.35
No	10.1	10.0	5.63	0.67	3.68	0.81	Q	0.47
Type of Glass in Windows								
Single-pane Glass	50.7	47.6	22.16	3.22	13.02	3.84	0.14	1.94
Double-pane Glass								
Without Low-e Coating	50.6	49.2	28.50	3.64	15.67	5.79	0.09	3.31
With Low-e Coating	8.0	7.9	4.96	0.46	2.67	0.89	Q	0.93
Triple-pane Glass								
Without Low-e Coating	1.0	0.9	0.64	0.07	0.40	Q	N	Q
With Low-e Coating	0.3	0.3	0.27	Q	Q	Q	Q	Q
Proportion of Original Windows Replaced	laced							
All	22.4	22.0	14.53	1.17	7.95	3.84	0.03	1.55
Some	21.6	20.6	13.39	1.22	8.02	3.02	0.03	1.09
None	62.3	59.3	27.04	4.61	14.74	3.81	0.19	3.69
Don't Know	4.7	4.4	1.77	0.42	1.26	Q	Q	Q

Table SH5. Total Expenditures for Space Heating by Major Fuels Used, 2005
Billion Dollars

	U.S. Households (millions)	Total U.S. Using a Major Space Heating Fuel[4] (millions)	Major Fuels Used[4] (billion Dollars)					
			Total	Electricity	Natural Gas	Fuel Oil	Kerosene[5]	LPG
Thermostats								
Do Not Have a Thermostat	15.3	12.8	5.89	0.95	2.62	1.23	Q	1.01
Have a Thermostat	95.8	93.5	50.84	6.47	29.35	9.51	0.17	5.34
1	84.5	82.4	42.68	5.49	25.21	7.46	0.14	4.39
2 or More	11.3	11.2	8.16	0.99	4.15	2.05	Q	0.95
Have a Programmable Thermostat								
Yes	33.1	32.6	17.70	1.86	11.50	2.55	0.07	1.72
No	62.7	60.9	33.14	4.62	17.85	6.97	0.09	3.61
Use of Programmable Thermostats								
Reduces Temperature During Day								
Yes	18.6	18.4	10.41	0.94	7.09	1.60	Q	0.74
No	14.5	14.2	7.29	0.92	4.41	0.94	Q	0.98
Reduces Temperature at Night								
Yes	21.5	21.2	11.71	1.13	7.99	1.69	0.04	0.86
No	11.6	11.4	5.99	0.73	3.51	0.85	Q	0.86

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.