

Table SH9. Average Expenditures for Space Heating by Main Space Heating Fuel Used, 2005
Dollars per Household

	U.S. Households (millions)	Total U.S. Using a Major Space Heating Fuel ⁴ as Main (millions)	Main Space Heating Fuel Used (Dollars per household using the fuel)					
			Any Major Fuel ⁴	Electricity	Natural Gas	Fuel Oil	Kerosene ⁵	LPG
Total	111.1	104.0	532	190	544	1356	253	921
Census Region and Division								
Northeast.....	20.6	19.8	972	358	808	1382	201	1227
New England.....	5.5	5.2	1184	326	951	1483	Q	Q
Middle Atlantic.....	15.1	14.6	896	365	771	1316	Q	1253
Midwest.....	25.6	24.2	672	253	662	1134	Q	1035
East North Central.....	17.7	16.7	699	280	684	1120	Q	1067
West North Central.....	7.9	7.5	611	214	609	Q	N	985
South.....	40.7	38.8	334	169	414	1290	222	807
South Atlantic.....	21.7	20.5	342	161	521	1290	223	825
East South Central.....	6.9	6.6	441	196	551	Q	Q	863
West South Central.....	12.1	11.7	259	172	253	N	N	718
West.....	24.2	21.2	327	187	307	1473	Q	877
Mountain.....	7.6	6.9	424	166	412	Q	N	974
Pacific.....	16.6	14.2	281	195	257	Q	Q	683
Four Most Populated States								
New York.....	7.1	6.7	1002	422	855	1362	Q	Q
Florida.....	7.0	6.3	83	72	Q	N	Q	Q
Texas.....	8.0	7.7	215	174	217	N	N	Q
California.....	12.1	10.5	199	154	184	Q	N	Q
All Other States.....	76.9	72.8	612	228	619	1360	260	936
Urban/Rural Location (as Self-Reported)								
City.....	47.1	44.1	449	158	519	1271	Q	802
Town.....	19.0	18.3	594	198	597	1472	Q	932
Suburbs.....	22.7	22.0	529	211	539	1399	Q	714
Rural.....	22.3	19.6	665	237	573	1340	304	938
Climate Zone¹								
Less than 2,000 CDD and--								
Greater than 7,000 HDD.....	10.9	10.1	852	329	703	1397	Q	1150
5,500 to 7,000 HDD.....	26.1	24.9	775	262	722	1428	227	996
4,000 to 5,499 HDD.....	27.3	26.1	646	262	634	1283	Q	863
Fewer than 4,000 HDD.....	24.0	21.8	320	209	278	Q	Q	830
2000 CDD or More and--								
Less than 4,000 HDD.....	22.8	21.0	173	117	225	N	Q	608

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Type of Housing Unit								
Single-Family Detached.....	72.1	68.2	586	200	566	1421	186	974
Single-Family Attached.....	7.6	7.3	508	211	564	1133	Q	Q
Apartments in 2-4 Unit Buildings.....	7.8	7.2	603	166	697	1243	N	Q
Apartments in 5 or More Unit Buildings.....	16.7	15.0	315	166	342	1205	Q	Q
Mobile Homes.....	6.9	6.3	417	195	450	1064	393	729
Ownership of Housing Unit								
Owned	78.1	73.8	576	197	571	1382	277	943
Single-Family Detached.....	64.1	60.6	596	204	572	1417	215	992
Single-Family Attached.....	4.2	4.1	538	209	550	1147	Q	Q
Apartments in 2-4 Unit Buildings.....	1.8	1.8	849	127	934	1267	N	N
Apartments in 5 or More Unit Buildings.....	2.3	2.1	253	114	329	Q	N	Q
Mobile Homes.....	5.7	5.2	415	192	448	Q	Q	743
Rented	33.0	30.1	426	179	477	1278	Q	775
Single-Family Detached.....	8.0	7.6	513	173	518	1457	Q	829
Single-Family Attached.....	3.4	3.2	470	212	583	Q	N	N
Apartments in 2-4 Unit Buildings.....	5.9	5.4	524	172	606	1231	N	Q
Apartments in 5 or More Unit Buildings.....	14.4	12.9	324	174	345	1232	Q	Q
Mobile Homes.....	1.2	1.0	426	212	464	Q	Q	Q
Year of Construction								
Before 1940.....	14.7	13.7	913	258	805	1467	Q	983
1940 to 1949.....	7.4	6.9	631	165	527	1269	N	950
1950 to 1959.....	12.5	11.9	604	179	577	1314	Q	866
1960 to 1969.....	12.5	11.3	535	177	564	1279	Q	844
1970 to 1979.....	18.9	17.2	456	179	493	1397	Q	910
1980 to 1989.....	18.6	17.6	378	194	407	1305	Q	828
1990 to 1999.....	17.3	16.5	431	200	463	1270	Q	937
2000 to 2005.....	9.2	8.8	402	186	433	967	N	1024

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Household Size									
1 Person.....	30.0	28.5	487	190	506	1372	210	929	
2 Persons.....	34.8	32.6	562	187	559	1403	Q	991	
3 Persons.....	18.4	17.2	554	195	555	1341	Q	903	
4 Persons.....	15.9	14.7	541	196	548	1339	Q	863	
5 Persons.....	7.9	7.3	517	175	571	1198	Q	632	
6 or More Persons.....	4.1	3.6	505	196	581	Q	N	Q	
2005 Household Income Category									
Less than \$10,000.....	9.9	9.0	506	185	555	1310	Q	882	
\$10,000 to \$14,999.....	8.5	7.9	499	195	517	1325	Q	787	
\$15,000 to \$19,999.....	8.4	7.7	498	198	519	1167	Q	864	
\$20,000 to \$29,999.....	15.1	14.0	507	189	572	1275	Q	735	
\$30,000 to \$39,999.....	13.6	12.5	495	170	515	1273	Q	912	
\$40,000 to \$49,999.....	11.0	10.4	532	182	535	1530	Q	935	
\$50,000 to \$74,999.....	19.8	18.8	508	188	503	1275	Q	1014	
\$75,000 to \$99,999.....	10.6	10.0	646	209	630	1419	N	892	
\$100,000 or More.....	14.2	13.6	594	208	561	1701	N	1282	
Income Relative to Poverty Line									
Below 100 Percent.....	16.6	14.9	510	179	570	1253	Q	839	
100 to 150 Percent.....	12.9	11.8	466	190	503	1365	Q	682	
Above 150 Percent.....	81.5	77.2	546	193	546	1377	Q	985	
Eligible for Federal Assistance²									
Yes.....	38.6	35.2	516	191	555	1263	240	823	
No.....	72.5	68.8	539	189	539	1416	Q	969	
Payment Method for Utilities									
All Paid by Household.....	97.5	91.7	536	189	557	1385	260	924	
Some Paid, Some in Rent.....	7.6	6.8	530	180	496	1219	Q	Q	
All Included in Rent.....	4.7	4.3	450	214	391	1255	Q	Q	
Other Method.....	1.3	1.2	520	278	523	Q	N	Q	

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			Any Major Fuel ⁴	Electricity	Natural Gas	Fuel Oil	Kerosene ⁵	LPG
Ethnic Origin of Householder								
Hispanic Descent.....	14.8	12.9	425	158	453	1214	Q	760
Non-Hispanic Descent.....	96.3	91.1	547	196	557	1377	255	934
Race of Householder³								
White.....	79.1	74.4	558	192	557	1378	292	936
Hispanic.....	5.0	4.4	364	148	367	1110	Q	Q
Non-Hispanic.....	74.1	70.0	570	196	568	1389	293	942
Black.....	13.4	13.1	511	203	609	1279	Q	812
Hispanic.....	0.3	0.3	763	Q	Q	Q	N	Q
Non-Hispanic.....	13.1	12.7	504	202	604	1322	Q	809
Asian.....	3.3	2.9	350	165	386	Q	N	N
Multi-Racial.....	1.3	1.2	407	179	463	Q	N	Q
Other.....	7.1	6.4	444	181	407	1283	Q	987
Undetermined (Race Reported as Hispanic).....	6.9	6.0	461	167	516	1273	N	Q
Age of Householder								
Under 25 Years.....	5.5	5.0	372	167	455	1329	Q	Q
25 to 34 Years.....	18.2	17.0	447	188	499	1136	Q	728
35 to 44 Years.....	22.2	20.7	508	191	557	1223	Q	793
45 to 54 Years.....	23.3	22.0	548	202	539	1429	Q	896
55 to 64 Years.....	18.0	16.6	566	183	539	1434	Q	998
65 to 74 Years.....	12.3	11.5	574	193	576	1353	Q	1041
75 Years or More.....	11.7	11.3	653	193	608	1482	Q	1019
Adults Age 65 or Older in Household								
Yes.....	26.9	25.3	606	189	590	1414	Q	1036
No.....	84.2	78.7	508	190	529	1330	306	874
Children Under Age 5 in Household								
Yes.....	15.0	14.0	472	187	540	1207	Q	696
No.....	96.1	90.0	541	191	545	1372	255	942
Children Age 5 to 16 in Household								
Yes.....	28.1	26.2	537	198	559	1332	Q	841
No.....	83.0	77.8	530	187	539	1363	194	946

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Age of Main Heating Equipment Used by One Housing Unit								
Less than 2 Years.....	11.7	11.3	460	185	476	1242	Q	1092
2 to 4 Years.....	13.8	13.3	505	175	509	1579	Q	898
5 to 9 Years.....	20.6	19.7	480	176	510	1264	Q	953
10 to 19 Years.....	24.8	23.5	553	193	568	1368	Q	865
20 Years or More.....	21.5	19.9	618	222	592	1420	Q	851
Don't Know.....	8.6	8.1	443	194	544	1225	N	Q
Used by Two or More Housing Units								
Less than 2 Years.....	0.3	0.3	488	Q	Q	Q	N	N
2 to 4 Years.....	0.4	0.4	616	Q	Q	Q	N	N
5 to 9 Years.....	0.6	0.6	535	Q	Q	Q	N	N
10 to 19 Years.....	1.1	1.0	609	Q	625	Q	Q	Q
20 Years or More.....	2.7	2.4	592	199	524	1276	N	Q
Don't Know.....	3.7	3.5	663	208	564	1275	N	Q
Heated Floorspace (Square Feet)								
Fewer than 500.....	9.7	6.0	298	139	358	992	Q	674
500 to 999.....	27.7	26.8	434	184	445	1208	203	854
1,000 to 1,499.....	26.0	25.4	488	176	515	1392	Q	901
1,500 to 1,999.....	17.6	16.9	545	179	560	1247	Q	850
2,000 to 2,499.....	10.7	10.2	627	207	610	1362	Q	866
2,500 to 2,999.....	7.7	7.5	644	254	604	1483	Q	Q
3,000 to 3,499.....	3.8	3.6	778	265	766	1333	Q	Q
3,500 to 3,999.....	2.6	2.5	958	278	851	1924	N	1134
4,000 or More.....	5.2	5.0	826	323	757	1740	N	1199
Weekday Home Activities								
Home Used for Business								
Yes.....	8.9	8.3	598	177	603	1471	Q	917
No.....	102.2	95.7	526	191	539	1346	252	922
Energy-Intensive Activity								
Yes.....	2.2	2.1	517	233	519	Q	N	Q
No.....	108.9	101.8	532	189	545	1355	253	923
Someone Home All Day								
Yes.....	56.4	52.4	565	194	568	1383	266	959
No.....	54.7	51.6	497	187	520	1322	238	877

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Adequacy of Insulation								
Well Insulated.....	42.8	40.7	532	195	530	1338	Q	943
Adequately Insulated.....	46.3	43.5	527	182	546	1344	144	909
Poorly Insulated.....	19.0	17.4	537	197	567	1473	324	879
No Insulation.....	1.4	0.9	586	Q	441	Q	N	N
Don't Know.....	1.7	1.5	553	229	650	Q	N	Q
Home is Too Drafty During the Winter								
Never.....	62.9	58.9	492	179	505	1362	203	914
Some of the Time.....	32.4	30.4	590	208	579	1366	Q	946
Most of the Time.....	6.1	5.7	641	204	672	1397	Q	859
All of the Time.....	5.6	5.2	587	216	610	1249	Q	830
Don't Know.....	4.1	3.8	445	206	526	Q	N	Q
Unusually High Ceilings								
Yes.....	27.2	25.9	525	204	516	1346	Q	1050
No.....	76.9	71.8	544	185	560	1366	166	937
Not Asked (Mobile Homes).....	6.9	6.3	417	195	450	1064	393	729
Cathedral Ceilings (In Housing Units with High Ceilings)								
Yes.....	17.1	16.2	500	205	473	1284	Q	1174
No.....	10.1	9.7	568	202	581	1437	N	794
Type of Glass in Windows								
Single-pane Glass.....	50.7	46.7	463	156	517	1394	237	808
Double-pane Glass								
Without Low-e Coating.....	50.6	48.0	579	230	566	1310	Q	953
With Low-e Coating.....	8.0	7.8	624	211	551	1400	Q	1083
Triple-pane Glass								
Without Low-e Coating.....	1.0	0.9	686	Q	673	Q	N	Q
With Low-e Coating.....	0.3	0.3	863	Q	Q	Q	N	Q
Proportion of Original Windows Replaced								
All.....	22.4	21.4	662	212	605	1355	Q	1041
Some.....	21.6	19.9	654	202	627	1399	Q	877
None.....	62.3	58.2	454	185	483	1338	287	893
Don't Know.....	4.7	4.4	382	177	546	Q	Q	Q

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Thermostats								
Do Not Have a Thermostat.....	15.3	11.0	485	192	479	1240	Q	847
Have a Thermostat.....	95.8	93.0	537	190	551	1372	252	936
1.....	84.5	82.1	511	182	532	1338	236	902
2 or More.....	11.3	10.9	734	255	710	1511	Q	1175
Have a Programmable Thermostat								
Yes.....	33.1	32.5	538	186	532	1326	Q	1026
No.....	62.7	60.5	537	191	564	1389	235	902
Use of Programmable Thermostats								
Reduces Temperature During Day								
Yes.....	18.6	18.3	563	186	551	1355	Q	919
No.....	14.5	14.2	506	186	504	1280	Q	1122
Reduces Temperature at Night								
Yes.....	21.5	21.1	548	188	541	1353	Q	939
No.....	11.6	11.4	520	185	513	1276	Q	1141

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.