

Table SH10. Average Heating Degree Days by Main Space Heating Fuel Used, 2005
Heating Degree Days per Household

	U.S. Households (millions)	Total U.S. Using Any Space Heating Fuel (millions)	Main Space Heating Fuel Used (heating degree days per household using the fuel as a main heating source)						
			Any Fuel	Electricity	Natural Gas	Fuel Oil	Kerosene ⁴	LPG	Other
Total	111.1	107.5	4145	2881	4510	5918	5161	4785	4773
Census Region and Division									
Northeast.....	20.6	20.4	5769	5620	5571	6058	5849	6693	6239
New England.....	5.5	5.3	6752	6261	6449	7025	Q	Q	7117
Middle Atlantic.....	15.1	15.1	5421	5497	5349	5430	Q	6511	5903
Midwest.....	25.6	25.1	5964	5525	5997	6268	Q	6336	5965
East North Central.....	17.7	17.3	6129	5819	6121	6213	Q	6523	6627
West North Central.....	7.9	7.8	5599	5103	5696	Q	N	6051	4893
South.....	40.7	39.8	2674	2274	2977	4561	4465	3393	3481
South Atlantic.....	21.7	20.9	2843	2208	3686	4602	4488	4073	4478
East South Central.....	6.9	6.9	3277	3147	3504	Q	Q	3236	2987
West South Central.....	12.1	12.0	2036	1871	2076	N	N	2663	2444
West.....	24.2	22.1	3229	2885	3182	4575	Q	4820	4064
Mountain.....	7.6	7.4	4301	2623	4673	Q	N	5688	5093
Pacific.....	16.6	14.7	2694	2990	2447	Q	Q	3190	3159
Four Most Populated States									
New York.....	7.1	7.1	5688	5815	5632	5584	Q	Q	5951
Florida.....	7.0	6.3	603	587	779	N	Q	Q	N
Texas.....	8.0	7.9	1725	1637	1791	N	N	Q	Q
California.....	12.1	10.8	1734	1643	1744	Q	N	Q	1989
All Other States.....	76.9	75.4	4894	3879	5196	6095	5390	4897	5100
Urban/Rural Location (as Self-Reported)									
City.....	47.1	44.6	3735	2484	4250	5686	Q	Q	4278
Town.....	19.0	18.6	4635	3161	4935	6397	Q	5332	4909
Suburbs.....	22.7	22.2	4183	3103	4480	5430	Q	3830	Q
Rural.....	22.3	21.9	4527	3348	5044	6081	5701	4813	4883
Climate Zone¹									
Less than 2,000 CDD and--									
Greater than 7,000 HDD.....	10.9	10.8	7386	7090	7319	7837	Q	7304	7545
5,500 to 7,000 HDD.....	26.1	25.5	5959	5711	5960	6184	5973	6064	5915
4,000 to 5,499 HDD.....	27.3	27.2	4701	4595	4724	4924	Q	4521	4570
Fewer than 4,000 HDD.....	24.0	22.6	2523	2686	2276	Q	Q	3203	2839
2000 CDD or More and--									
Less than 4,000 HDD.....	22.8	21.4	1353	1175	1652	N	Q	1697	1881

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			Any Fuel	Electricity	Natural Gas	Fuel Oil	Kerosene ⁴	LPG	Other
Type of Housing Unit									
Single-Family Detached.....	72.1	71.0	4154	2771	4377	6125	4925	5040	4624
Single-Family Attached.....	7.6	7.3	4585	3645	4876	5518	Q	Q	Q
Apartments in 2-4 Unit Buildings.....	7.8	7.3	4222	2788	4672	5685	N	Q	Q
Apartments in 5 or More Unit Buildings.....	16.7	15.3	3996	3028	4832	5054	Q	Q	5025
Mobile Homes.....	6.9	6.5	3824	2738	4849	5683	5610	3692	5683
Ownership of Housing Unit									
Owned	78.1	76.6	4191	2768	4516	6026	5383	4831	4765
Single-Family Detached.....	64.1	63.2	4197	2797	4415	6151	5311	5119	4665
Single-Family Attached.....	4.2	4.1	4808	3685	5058	5444	Q	Q	Q
Apartments in 2-4 Unit Buildings.....	1.8	1.8	5002	Q	5556	5542	N	N	N
Apartments in 5 or More Unit Buildings.....	2.3	2.1	3197	1953	4710	Q	N	Q	N
Mobile Homes.....	5.7	5.5	3767	2636	4903	Q	Q	3606	5515
Rented	33.0	30.8	4031	3081	4492	5590	Q	4468	4807
Single-Family Detached.....	8.0	7.8	3801	2573	4070	5863	Q	4338	Q
Single-Family Attached.....	3.4	3.2	4297	3613	4629	Q	N	N	N
Apartments in 2-4 Unit Buildings.....	5.9	5.5	3968	2842	4321	5760	N	Q	Q
Apartments in 5 or More Unit Buildings.....	14.4	13.3	4122	3212	4852	5323	Q	Q	5025
Mobile Homes.....	1.2	1.1	4118	3305	4588	Q	Q	Q	Q
Year of Construction									
Before 1940.....	14.7	14.5	5160	3693	5134	5894	Q	5349	5243
1940 to 1949.....	7.4	7.1	4319	2746	4354	5650	N	3813	Q
1950 to 1959.....	12.5	12.3	4325	2813	4469	5911	Q	4985	4309
1960 to 1969.....	12.5	11.9	4078	2852	4427	5646	Q	3926	4008
1970 to 1979.....	18.9	17.9	3925	2653	4370	6015	Q	4744	5761
1980 to 1989.....	18.6	18.0	3718	2928	4156	6057	Q	4635	4240
1990 to 1999.....	17.3	16.8	3963	2944	4647	6548	Q	4716	3577
2000 to 2005.....	9.2	8.9	3851	2907	4277	7158	N	5443	Q

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			Any Fuel	Electricity	Natural Gas	Fuel Oil	Kerosene ⁴	LPG	Other	
Household Size										
1 Person.....	30.0	29.0	4190	3078	4579	5980	5081	4716	4855	
2 Persons.....	34.8	34.0	4192	2876	4496	5896	Q	5003	4898	
3 Persons.....	18.4	17.9	4166	2951	4471	5797	Q	4820	4630	
4 Persons.....	15.9	15.3	4034	2606	4510	6039	Q	4447	4330	
5 Persons.....	7.9	7.5	4020	2460	4483	5947	Q	4227	Q	
6 or More Persons.....	4.1	3.7	3972	2784	4367	Q	N	Q	Q	
2005 Household Income Category										
Less than \$10,000.....	9.9	9.4	3988	2777	4509	5812	Q	3762	4298	
\$10,000 to \$14,999.....	8.5	8.2	4289	3372	4614	5650	Q	4233	5209	
\$15,000 to \$19,999.....	8.4	8.0	4176	2902	4754	5947	Q	4044	4185	
\$20,000 to \$29,999.....	15.1	14.5	4211	3141	4642	5787	Q	3665	5232	
\$30,000 to \$39,999.....	13.6	13.0	4052	2735	4638	5555	Q	4958	3941	
\$40,000 to \$49,999.....	11.0	10.8	4041	2582	4431	6214	Q	5287	4813	
\$50,000 to \$74,999.....	19.8	19.4	4114	2933	4294	6091	Q	5462	4935	
\$75,000 to \$99,999.....	10.6	10.4	4441	2796	4868	6082	N	5031	5020	
\$100,000 or More.....	14.2	13.9	4071	2669	4262	6071	N	6050	5371	
Income Relative to Poverty Line										
Below 100 Percent.....	16.6	15.7	4016	2795	4573	5678	4236	3631	4676	
100 to 150 Percent.....	12.9	12.3	4113	3173	4480	5817	Q	3964	4652	
Above 150 Percent.....	81.5	79.5	4176	2850	4503	5982	Q	5168	4830	
Eligible for Federal Assistance²										
Yes.....	38.6	36.6	4237	3011	4717	5855	4917	4054	4786	
No.....	72.5	70.8	4098	2808	4415	5959	Q	5129	4764	
Payment Method for Utilities										
All Paid by Household.....	97.5	94.6	4090	2845	4444	6054	5048	4793	4717	
Some Paid, Some in Rent.....	7.6	7.1	4651	3269	5036	5500	Q	Q	4756	
All Included in Rent.....	4.7	4.5	4483	3133	4949	4979	Q	Q	Q	
Other Method.....	1.3	1.3	4272	3034	4706	Q	N	Q	Q	

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			Any Fuel	Electricity	Natural Gas	Fuel Oil	Kerosene ⁴	LPG	Other
Ethnic Origin of Householder									
Hispanic Descent.....	14.8	13.3	3385	2312	3725	5194	Q	3965	4800
Non-Hispanic Descent.....	96.3	94.2	4253	2974	4619	6020	5139	4847	4770
Race of Householder³									
White.....	79.1	77.2	4360	2994	4706	6141	6025	5047	4898
Hispanic.....	5.0	4.4	3172	2176	3412	5383	Q	Q	Q
Non-Hispanic.....	74.1	72.7	4433	3060	4783	6168	6003	5037	4876
Black.....	13.4	13.3	3661	2793	4163	5108	Q	3292	Q
Hispanic.....	0.3	0.3	4926	Q	Q	Q	N	Q	N
Non-Hispanic.....	13.1	12.9	3628	2783	4129	4997	Q	3314	Q
Asian.....	3.3	2.9	3279	2234	3728	Q	N	N	Q
Multi-Racial.....	1.3	1.2	3701	2862	4061	Q	N	Q	Q
Other.....	7.1	6.6	3631	2691	3824	5304	Q	4160	Q
Undetermined (Race Reported as Hispanic).....	6.9	6.2	3562	2407	4030	5145	N	Q	Q
Age of Householder									
Under 25 Years.....	5.5	5.1	3982	3046	4915	Q	Q	Q	Q
25 to 34 Years.....	18.2	17.5	4096	3008	4541	5944	Q	4792	5113
35 to 44 Years.....	22.2	21.4	4099	2752	4625	5908	Q	4551	4509
45 to 54 Years.....	23.3	22.7	4195	2980	4443	6019	Q	5387	4787
55 to 64 Years.....	18.0	17.4	4167	2888	4327	5851	Q	4918	5206
65 to 74 Years.....	12.3	12.0	4086	2880	4335	6118	Q	4370	4411
75 Years or More.....	11.7	11.4	4309	2541	4698	5873	Q	4540	Q
Adults Age 65 or Older in Household									
Yes.....	d								
Yes.....	26.9	26.2	4124	2646	4438	5907	Q	4424	4432
No.....	84.2	81.3	4152	2942	4533	5924	5011	4933	4887
Children Under Age 5 in Household									
Yes.....	15.0	14.3	4022	2723	4572	6037	Q	4103	5378
No.....	96.1	93.1	4164	2909	4500	5906	5157	4846	4705
Children Age 5 to 16 in Household									
Yes.....	28.1	27.0	4078	2789	4490	5952	Q	4542	4400
No.....	83.0	80.5	4168	2911	4517	5909	5084	4858	4877

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Age of Main Heating Equipment Used by One Housing Unit									
Less than 2 Years.....	11.7	11.4	3919	2783	4374	6097	Q	5329	Q
2 to 4 Years.....	13.8	13.7	3838	2415	4342	6495	Q	4402	5398
5 to 9 Years.....	20.6	20.2	4009	2619	4615	6103	Q	4570	4471
10 to 19 Years.....	24.8	24.4	4210	2927	4521	5989	Q	4915	5078
20 Years or More.....	21.5	20.9	4215	3282	4239	5961	Q	4920	4273
Don't Know.....	8.6	8.2	4211	3352	4638	5901	N	Q	Q
Used by Two or More Housing Units									
Less than 2 Years.....	0.3	0.3	4248	Q	Q	Q	N	N	Q
2 to 4 Years.....	0.4	0.4	4820	Q	Q	Q	N	N	Q
5 to 9 Years.....	0.6	0.6	4778	Q	6282	Q	N	N	N
10 to 19 Years.....	1.1	1.1	4479	Q	4562	Q	Q	Q	Q
20 Years or More.....	2.7	2.6	4649	2915	5176	4558	N	Q	Q
Don't Know.....	3.7	3.6	5139	4070	5300	5530	N	Q	Q
Heated Floorspace (Square Feet)									
Fewer than 500.....	9.7	6.1	3524	2776	4036	5704	Q	Q	Q
500 to 999.....	27.7	27.7	4007	3064	4383	5747	5602	4175	4460
1,000 to 1,499.....	26.0	26.0	3836	2652	4238	5669	Q	4372	4833
1,500 to 1,999.....	17.6	17.6	4107	2675	4399	5913	Q	5234	4944
2,000 to 2,499.....	10.7	10.7	4482	2746	4896	6203	Q	4540	4508
2,500 to 2,999.....	7.7	7.7	4398	2942	4604	6038	Q	Q	Q
3,000 to 3,499.....	3.8	3.8	4935	3396	5073	6088	Q	Q	Q
3,500 to 3,999.....	2.6	2.6	5375	3155	5716	6212	N	5992	Q
4,000 or More.....	5.2	5.2	5044	3910	5181	6376	N	5503	Q
Weekday Home Activities									
Home Used for Business									
Yes.....	8.9	8.7	4139	2455	4628	6069	Q	4831	4249
No.....	102.2	98.7	4146	2915	4500	5905	5170	4777	4848
Energy-Intensive Activity									
Yes.....	2.2	2.2	4103	2753	4322	Q	N	Q	Q
No.....	108.9	105.2	4146	2883	4514	5915	5161	4763	4755
Someone Home All Day									
Yes.....	56.4	54.6	4082	2783	4430	5797	5296	4414	4579
No.....	54.7	52.9	4210	2969	4593	6072	5006	5217	5109

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Adequacy of Insulation									
Well Insulated.....	42.8	42.1	4277	3018	4603	6040	Q	5226	4853
Adequately Insulated.....	46.3	44.8	4073	2740	4479	5842	5536	4590	5162
Poorly Insulated.....	19.0	18.2	4006	2844	4377	5971	4399	3976	4266
No Insulation.....	1.4	0.9	3492	Q	3424	Q	N	N	Q
Don't Know.....	1.7	1.5	4683	3860	5191	Q	N	Q	Q
Home is Too Drafty During the Winter									
Never.....	62.9	60.8	3968	2692	4413	5873	5462	4785	4649
Some of the Time.....	32.4	31.5	4360	3125	4554	6052	Q	4815	5300
Most of the Time.....	6.1	5.9	4410	3025	4721	5964	Q	4430	Q
All of the Time.....	5.6	5.5	4504	3784	4650	5892	Q	4846	Q
Don't Know.....	4.1	3.8	4266	3254	5038	Q	N	Q	Q
Unusually High Ceilings									
Yes.....	27.2	26.6	3910	2677	4134	6256	Q	5627	4384
No.....	76.9	74.3	4258	2971	4639	5847	4710	4817	4783
Not Asked (Mobile Homes).....	6.9	6.5	3824	2738	4849	5683	5610	3692	5683
Cathedral Ceilings (In Housing Units with High Ceilings)									
Yes.....	17.1	16.7	3889	2762	4068	6476	Q	5779	4247
No.....	10.1	10.0	3944	2501	4231	5934	N	5291	Q
Type of Glass in Windows									
Single-pane Glass.....	50.7	48.1	3496	2204	4060	5667	4578	3811	4256
Double-pane Glass									
Without Low-e Coating.....	50.6	49.9	4634	3653	4823	5977	Q	5038	5106
With Low-e Coating.....	8.0	7.9	4895	3469	4904	6719	Q	6441	Q
Triple-pane Glass									
Without Low-e Coating.....	1.0	0.9	5096	Q	5509	Q	N	Q	Q
With Low-e Coating.....	0.3	0.3	4712	Q	Q	Q	N	Q	Q
Proportion of Original Windows Replaced									
All.....	22.4	22.2	4713	3387	4822	5882	Q	5235	5308
Some.....	21.6	20.9	4439	2972	4569	6128	Q	4585	5167
None.....	62.3	59.9	3847	2750	4326	5817	5075	4675	4319
Don't Know.....	4.7	4.5	3944	3015	4798	Q	Q	Q	Q

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Thermostats										
Do Not Have a Thermostat	15.3	13.4	3771	2862	3913	5062	3810	3490	4510	
Have a Thermostat	95.8	94.1	4199	2883	4569	6032	6077	5030	5358	
1.....	84.5	82.8	4117	2726	4553	5987	6043	4898	5416	
2 or More.....	11.3	11.2	4800	4117	4698	6219	Q	5956	5223	
Have a Programmable Thermostat										
Yes.....	33.1	32.6	4097	2563	4411	5845	Q	5205	Q	
No.....	62.7	61.4	4252	3005	4677	6104	5809	4963	5267	
Use of Programmable Thermostats										
Reduces Temperature During Day										
Yes.....	18.6	18.4	4249	2440	4565	5876	Q	5315	Q	
No.....	14.5	14.2	3902	2676	4184	5793	Q	5105	Q	
Reduces Temperature at Night										
Yes.....	21.5	21.2	4186	2496	4489	5905	Q	5321	Q	
No.....	11.6	11.4	3932	2653	4244	5728	Q	5052	Q	

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 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.