

Table AC1. Total Households Using Air-Conditioning Equipment, 2005
Million U.S. Households

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Total U.S. Not Using Any Air-Conditioning Equipment (millions)	Type of Air-Conditioning Equipment (millions)	
				Central System ⁵	Window/Wall Units ⁶
Total	111.1	91.4	19.6	64.5	26.9
Census Region and Division					
Northeast.....	20.6	16.3	4.3	5.9	10.4
New England.....	5.5	3.7	1.8	0.7	3.0
Middle Atlantic.....	15.1	12.6	2.5	5.1	7.5
Midwest.....	25.6	23.4	2.2	17.2	6.2
East North Central.....	17.7	15.9	1.9	11.3	4.6
West North Central.....	7.9	7.5	0.4	5.9	1.6
South.....	40.7	38.9	1.8	31.8	7.2
South Atlantic.....	21.7	20.7	1.0	17.4	3.3
East South Central.....	6.9	6.6	0.3	5.1	1.5
West South Central.....	12.1	11.6	0.4	9.2	2.4
West.....	24.2	12.9	11.3	9.7	3.2
Mountain.....	7.6	4.3	3.2	3.9	0.5
Pacific.....	16.6	8.5	8.1	5.8	2.7
Four Most Populated States					
New York.....	7.1	5.3	1.9	1.1	4.1
Florida.....	7.0	7.0	Q	6.4	0.5
Texas.....	8.0	7.6	0.3	6.3	1.3
California.....	12.1	6.6	5.5	4.9	1.7
All Other States.....	76.9	64.9	11.9	45.7	19.2
Urban/Rural Location (as Self-Reported)					
City.....	47.1	37.7	9.3	25.1	12.6
Town.....	19.0	15.9	3.1	10.7	5.2
Suburbs.....	22.7	19.8	2.9	16.3	3.5
Rural.....	22.3	17.9	4.4	12.3	5.7
Climate Zone¹					
Less than 2,000 CDD and--					
Greater than 7,000 HDD.....	10.9	7.6	3.4	4.7	2.8
5,500 to 7,000 HDD.....	26.1	21.0	5.1	12.1	8.9
4,000 to 5,499 HDD.....	27.3	23.4	3.9	14.9	8.5
Fewer than 4,000 HDD.....	24.0	17.9	6.1	14.4	3.5
2000 CDD or More and--					
Less than 4,000 HDD.....	22.8	21.6	1.2	18.5	3.2

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				Central System ⁵	Window/Wall Units ⁶
Type of Housing Unit					
Single-Family Detached.....	72.1	60.2	11.7	46.7	13.5
Single-Family Attached.....	7.6	6.0	1.6	3.9	2.1
Apartments in 2-4 Unit Buildings.....	7.8	6.1	1.7	2.7	3.4
Apartments in 5 or More Unit Buildings.....	16.7	13.5	3.2	7.7	5.9
Mobile Homes.....	6.9	5.5	1.4	3.5	2.0
Ownership of Housing Unit					
Owned.....	78.1	65.7	12.3	50.9	14.9
Single-Family Detached.....	64.1	53.9	10.1	43.2	10.7
Single-Family Attached.....	4.2	3.6	0.6	2.4	1.1
Apartments in 2-4 Unit Buildings.....	1.8	1.7	Q	0.7	1.0
Apartments in 5 or More Unit Buildings.....	2.3	1.9	0.4	1.5	0.4
Mobile Homes.....	5.7	4.7	1.1	3.0	1.7
Rented.....	33.0	25.7	7.3	13.6	12.1
Single-Family Detached.....	8.0	6.3	1.7	3.5	2.8
Single-Family Attached.....	3.4	2.5	1.0	1.4	1.0
Apartments in 2-4 Unit Buildings.....	5.9	4.4	1.6	2.0	2.4
Apartments in 5 or More Unit Buildings.....	14.4	11.7	2.8	6.2	5.5
Mobile Homes.....	1.2	0.8	0.4	0.5	0.3
Year of Construction					
Before 1940.....	14.7	10.6	4.1	3.6	6.9
1940 to 1949.....	7.4	5.5	1.9	2.5	2.9
1950 to 1959.....	12.5	10.3	2.3	6.0	4.2
1960 to 1969.....	12.5	10.3	2.2	6.7	3.5
1970 to 1979.....	18.9	15.2	3.6	10.9	4.4
1980 to 1989.....	18.6	15.6	2.9	13.0	2.7
1990 to 1999.....	17.3	15.3	2.0	13.7	1.6
2000 to 2005.....	9.2	8.6	0.6	8.0	0.6

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				Central System ⁵	Window/Wall Units ⁶
Household Size					
1 Person.....	30.0	24.0	6.1	14.9	9.1
2 Persons.....	34.8	29.1	5.7	22.3	6.8
3 Persons.....	18.4	15.5	2.9	10.5	5.0
4 Persons.....	15.9	13.2	2.7	9.8	3.4
5 Persons.....	7.9	6.6	1.2	5.1	1.6
6 or More Persons.....	4.1	3.0	1.1	1.9	1.1
2005 Household Income Category					
Less than \$10,000.....	9.9	7.5	2.4	3.6	3.9
\$10,000 to \$14,999.....	8.5	6.6	1.9	3.3	3.3
\$15,000 to \$19,999.....	8.4	6.9	1.5	3.8	3.1
\$20,000 to \$29,999.....	15.1	12.3	2.8	7.8	4.5
\$30,000 to \$39,999.....	13.6	11.2	2.4	8.3	3.0
\$40,000 to \$49,999.....	11.0	9.3	1.7	7.1	2.1
\$50,000 to \$74,999.....	19.8	16.7	3.2	12.8	3.9
\$75,000 to \$99,999.....	10.6	9.0	1.6	7.0	2.0
\$100,000 or More.....	14.2	12.0	2.1	10.8	1.2
Income Relative to Poverty Line					
Below 100 Percent.....	16.6	12.5	4.1	6.0	6.6
100 to 150 Percent.....	12.9	10.5	2.5	6.1	4.3
Above 150 Percent.....	81.5	68.4	13.1	52.4	16.1
Eligible for Federal Assistance²					
Yes.....	38.6	30.3	8.3	16.6	13.6
No.....	72.5	61.1	11.4	47.8	13.3
Payment Method for Utilities					
All Paid by Household.....	97.5	81.2	16.3	60.2	21.1
Some Paid, Some in Rent.....	7.6	5.7	1.8	2.1	3.7
All Included in Rent.....	4.7	3.3	1.3	1.7	1.6
Other Method.....	1.3	1.1	0.2	0.5	0.6

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				Central System ⁵	Window/Wall Units ⁶
Ethnic Origin of Householder					
Hispanic Descent.....	14.8	10.7	4.1	6.4	4.4
Non-Hispanic Descent.....	96.3	80.6	15.6	58.1	22.6
Race of Householder³					
White.....	79.1	66.3	12.8	48.8	17.5
Hispanic.....	5.0	3.4	1.6	2.2	1.2
Non-Hispanic.....	74.1	62.9	11.1	46.6	16.3
Black.....	13.4	11.4	2.0	7.3	4.2
Hispanic.....	0.3	0.2	Q	Q	Q
Non-Hispanic.....	13.1	11.2	1.9	7.2	4.0
Asian.....	3.3	2.1	1.3	1.3	0.7
Multi-Racial.....	1.3	1.0	0.3	0.6	0.3
Other.....	7.1	5.4	1.7	3.6	1.8
Undetermined (Race Reported as Hispanic).....	6.9	5.2	1.6	2.8	2.4
Age of Householder					
Under 25 Years.....	5.5	4.6	0.9	2.5	2.1
25 to 34 Years.....	18.2	15.1	3.0	10.1	5.0
35 to 44 Years.....	22.2	18.0	4.2	13.0	5.0
45 to 54 Years.....	23.3	19.3	4.0	14.5	4.7
55 to 64 Years.....	18.0	14.5	3.5	10.8	3.7
65 to 74 Years.....	12.3	10.0	2.3	7.0	3.0
75 Years or More.....	11.7	9.9	1.8	6.4	3.5
Adults Age 65 or Older in Household					
Yes.....	26.9	22.1	4.8	14.9	7.1
No.....	84.2	69.3	14.8	49.5	19.8
Children Under Age 5 in Household					
Yes.....	15.0	12.6	2.4	8.5	4.1
No.....	96.1	78.8	17.2	56.0	22.8
Children Age 5 to 16 in Household					
Yes.....	28.1	23.1	5.0	17.2	5.9
No.....	83.0	68.3	14.7	47.3	21.0

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Age of Central Air-Conditioner					
Used by One Housing Unit					
Less than 2 Years.....	9.0	8.9	Q	8.9	N
2 to 4 Years.....	11.0	10.9	Q	10.9	N
5 to 9 Years.....	16.3	16.1	Q	16.1	N
10 to 19 Years.....	16.8	16.4	0.4	16.4	N
20 Years or More.....	6.5	6.1	0.4	6.1	N
Don't Know.....	4.5	4.3	Q	4.4	N
Used by Two or More Housing Units					
Less than 2 Years.....	Q	Q	N	Q	N
2 to 4 Years.....	Q	Q	N	Q	N
5 to 9 Years.....	0.3	0.3	N	0.3	N
10 to 19 Years.....	0.3	Q	Q	Q	N
20 Years or More.....	0.3	Q	Q	Q	N
Don't Know.....	0.7	0.7	N	0.7	N
Age of Most-Used Window/Wall Unit					
Less than 2 Years.....	6.4	6.3	Q	0.3	6.0
2 to 4 Years.....	7.8	7.7	Q	0.3	7.4
5 to 9 Years.....	7.0	6.9	Q	0.4	6.5
10 to 19 Years.....	3.7	3.6	Q	Q	3.5
20 Years or More.....	2.1	2.0	Q	Q	1.9
Don't Know.....	1.8	1.7	Q	Q	1.7
Cooled Floorspace (Square Feet)					
Fewer than 500.....	37.6	17.9	19.6	2.7	15.3
500 to 999.....	19.9	19.9	N	12.4	7.5
1,000 to 1,499.....	14.3	14.3	N	11.9	2.4
1,500 to 1,999.....	9.9	9.8	N	8.9	1.0
2,000 to 2,499.....	7.5	7.5	N	7.1	0.4
2,500 to 2,999.....	6.1	6.1	N	5.9	0.3
3,000 or 3,499.....	4.3	4.2	N	4.2	Q
3,500 to 3,999.....	2.9	2.9	N	2.8	Q
4,000 or More.....	8.7	8.7	N	8.7	Q

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Proportion of Rooms Air-Conditioned⁷					
None.....	1.4	N	1.4	N	N
Some, But Not all of the Rooms.....	8.4	8.4	N	8.4	N
All of the Rooms.....	56.1	56.0	N	56.1	N
Frequency of Central Air-Conditioner Use					
Never.....	1.4	N	1.4	N	N
Only a Few Times When Needed.....	11.4	11.4	N	11.4	N
Quite a Bit.....	12.6	12.6	N	12.6	N
All Summer.....	40.5	40.4	N	40.5	N
Frequency of Most Used Window/Wall Unit					
Never.....	0.6	N	0.6	Q	N
Only a Few Times When Needed.....	12.1	12.1	N	0.6	11.5
Quite a Bit.....	7.5	7.5	N	0.4	7.1
All Summer.....	8.6	8.6	N	Q	8.3
Weekday Home Activities					
Home Used for Business					
Yes.....	8.9	7.5	1.3	6.3	1.2
No.....	102.2	83.8	18.3	58.2	25.7
Energy-Intensive Activity					
Yes.....	2.2	1.6	0.6	1.2	0.4
No.....	108.9	89.7	19.1	63.3	26.5
Someone Home All Day					
Yes.....	56.4	46.4	9.9	32.0	14.4
No.....	54.7	44.9	9.7	32.5	12.5
Adequacy of Insulation					
Well Insulated.....	42.8	37.2	5.6	29.0	8.2
Adequately Insulated.....	46.3	37.9	8.4	27.3	10.6
Poorly Insulated.....	19.0	14.1	4.8	7.1	7.1
No Insulation.....	1.4	0.8	0.6	Q	0.6
Don't Know.....	1.7	1.4	0.3	0.9	0.6

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				Central System ⁵	Window/Wall Units ⁶
Home is Too Drafty During the Winter					
Never.....	62.9	53.8	9.1	41.8	12.0
Some of the Time.....	32.4	25.8	6.5	16.0	9.8
Most of the Time.....	6.1	4.3	1.8	2.4	1.9
All of the Time.....	5.6	4.0	1.6	2.1	1.9
Don't Know.....	4.1	3.5	0.6	2.1	1.4
Unusually High Ceilings					
Yes.....	27.2	23.2	3.9	19.9	3.3
No.....	76.9	62.6	14.3	41.0	21.6
Not Asked (Mobile Homes).....	6.9	5.5	1.4	3.5	2.0
Cathedral Ceilings (In Housing Units with High Ceilings)					
Yes.....	17.1	14.5	2.6	13.3	1.2
No.....	10.1	8.7	1.4	6.7	2.1
Type of Glass in Windows					
Single-pane Glass.....	50.7	41.1	9.5	26.6	14.6
Double-pane Glass					
Without Low-e Coating.....	50.6	42.1	8.5	31.1	11.0
With Low-e Coating.....	8.0	6.7	1.3	5.7	1.0
Triple-pane Glass					
Without Low-e Coating.....	1.0	0.9	Q	0.8	Q
With Low-e Coating.....	0.3	0.3	Q	Q	Q
Proportion of Original Windows Replaced					
All.....	22.4	18.1	4.4	11.3	6.8
Some.....	21.6	16.9	4.7	10.8	6.1
None.....	62.3	52.7	9.6	40.1	12.6
Don't Know.....	4.7	3.7	1.0	2.3	1.4

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				Central System ⁵	Window/Wall Units ⁶
Thermostats					
Do Not Have a Thermostat	15.3	10.4	4.9	2.2	8.2
Have a Thermostat	95.8	81.0	14.8	62.3	18.7
1.....	84.5	71.3	13.2	55.5	15.7
2 or More.....	11.3	9.7	1.6	6.8	3.0
Have a Programmable Thermostat					
Yes.....	33.1	28.7	4.4	24.7	4.0
No.....	62.7	52.3	10.3	37.6	14.7
Use of Programmable Thermostats					
Reduces Temperature During Day					
Yes.....	18.6	16.3	2.3	14.0	2.3
No.....	14.5	12.4	2.2	10.6	1.7
Reduces Temperature at Night					
Yes.....	21.5	18.6	2.9	16.0	2.6
No.....	11.6	10.1	1.6	8.7	1.4

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 Only applies to households using central air-conditioning.

5 In the 2005 RECS, 1.5 million housing units reported having both central and window/wall air conditioners. They are included in this column.

6 In the 2005 RECS, 1.5 million housing units reported having both central and window/wall air conditioners. They are not included in this column.

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.

Table AC2. Total Consumption for Air-Conditioning by Equipment Type, 2005
Billion kWh

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Type of Air-Conditioning Equipment (billion kWh)		
			Total	Central System ⁵	Window/Wall Units ⁶
Total	111.1	91.4	258.0	224.0	34.0
Census Region and Division					
Northeast.....	20.6	16.3	22.0	12.0	10.0
New England.....	5.5	3.7	3.0	1.0	2.0
Middle Atlantic.....	15.1	12.6	19.0	11.0	8.0
Midwest.....	25.6	23.4	42.0	37.0	6.0
East North Central.....	17.7	15.9	26.0	22.0	4.0
West North Central.....	7.9	7.5	16.0	14.0	2.0
South.....	40.7	38.9	166.0	149.0	16.0
South Atlantic.....	21.7	20.7	81.0	75.0	6.0
East South Central.....	6.9	6.6	24.0	21.0	3.0
West South Central.....	12.1	11.7	60.0	52.0	8.0
West.....	24.2	12.9	29.0	26.0	2.0
Mountain.....	7.6	4.3	18.0	17.0	Q
Pacific.....	16.6	8.5	11.0	9.0	2.0
Four Most Populated States					
New York.....	7.1	5.3	6.0	2.0	4.0
Florida.....	7.0	7.0	41.0	40.0	2.0
Texas.....	8.0	7.7	43.0	39.0	4.0
California.....	12.1	6.6	9.0	8.0	1.0
All Other States.....	76.9	65.0	158.0	135.0	23.0
Urban/Rural Location (as Self-Reported)					
City.....	47.1	37.8	105.0	89.0	15.0
Town.....	19.0	15.9	40.0	33.0	7.0
Suburbs.....	22.7	19.8	64.0	60.0	4.0
Rural.....	22.3	18.0	50.0	42.0	8.0
Climate Zone¹					
Less than 2,000 CDD and--					
Greater than 7,000 HDD.....	10.9	7.6	7.0	6.0	1.0
5,500 to 7,000 HDD.....	26.1	21.0	30.0	23.0	7.0
4,000 to 5,499 HDD.....	27.3	23.4	51.0	40.0	10.0
Fewer than 4,000 HDD.....	24.0	17.9	48.0	43.0	5.0
2000 CDD or More and--					
Less than 4,000 HDD.....	22.8	21.7	123.0	113.0	10.0

Table AC2. Total Consumption for Air-Conditioning by Equipment Type, 2005
Billion kWh

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Type of Air-Conditioning Equipment (billion kWh)		
			Total	Central System ⁵	Window/Wall Units ⁶
Type of Housing Unit					
Single-Family Detached.....	72.1	60.3	194.0	175.0	19.0
Single-Family Attached.....	7.6	6.0	12.0	9.0	3.0
Apartments in 2-4 Unit Buildings.....	7.8	6.1	11.0	7.0	4.0
Apartments in 5 or More Unit Buildings.....	16.7	13.5	26.0	21.0	5.0
Mobile Homes.....	6.9	5.5	15.0	12.0	3.0
Ownership of Housing Unit					
Owned.....	78.1	65.8	200.0	181.0	20.0
Single-Family Detached.....	64.1	54.0	174.0	160.0	14.0
Single-Family Attached.....	4.2	3.6	7.0	5.0	1.0
Apartments in 2-4 Unit Buildings.....	1.8	1.7	2.0	1.0	1.0
Apartments in 5 or More Unit Buildings.....	2.3	1.9	4.0	4.0	(*)
Mobile Homes.....	5.7	4.7	13.0	10.0	3.0
Rented.....	33.0	25.7	58.0	44.0	14.0
Single-Family Detached.....	8.0	6.3	20.0	15.0	4.0
Single-Family Attached.....	3.4	2.5	5.0	4.0	1.0
Apartments in 2-4 Unit Buildings.....	5.9	4.4	9.0	6.0	3.0
Apartments in 5 or More Unit Buildings.....	14.4	11.7	22.0	17.0	5.0
Mobile Homes.....	1.2	0.8	2.0	2.0	(*)
Year of Construction					
Before 1940.....	14.7	10.6	18.0	9.0	8.0
1940 to 1949.....	7.4	5.5	13.0	8.0	4.0
1950 to 1959.....	12.5	10.3	24.0	18.0	5.0
1960 to 1969.....	12.5	10.3	26.0	21.0	5.0
1970 to 1979.....	18.9	15.3	42.0	37.0	5.0
1980 to 1989.....	18.6	15.7	49.0	45.0	4.0
1990 to 1999.....	17.3	15.3	53.0	51.0	1.0
2000 to 2005.....	9.2	8.6	34.0	34.0	(*)

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Billion kWh

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Type of Air-Conditioning Equipment (billion kWh)		
			Total	Central System ⁵	Window/Wall Units ⁶
Household Size					
1 Person.....	30.0	24.0	43.0	35.0	8.0
2 Persons.....	34.8	29.1	86.0	77.0	8.0
3 Persons.....	18.4	15.5	49.0	41.0	8.0
4 Persons.....	15.9	13.2	44.0	39.0	5.0
5 Persons.....	7.9	6.7	26.0	23.0	3.0
6 or More Persons.....	4.1	3.0	11.0	9.0	2.0
2005 Household Income Category					
Less than \$10,000.....	9.9	7.5	15.0	11.0	5.0
\$10,000 to \$14,999.....	8.5	6.6	13.0	9.0	4.0
\$15,000 to \$19,999.....	8.4	6.9	15.0	11.0	4.0
\$20,000 to \$29,999.....	15.1	12.3	30.0	23.0	6.0
\$30,000 to \$39,999.....	13.6	11.2	33.0	29.0	4.0
\$40,000 to \$49,999.....	11.0	9.3	27.0	25.0	2.0
\$50,000 to \$74,999.....	19.8	16.7	51.0	46.0	5.0
\$75,000 to \$99,999.....	10.6	9.0	28.0	25.0	3.0
\$100,000 or More.....	14.2	12.0	46.0	44.0	1.0
Income Relative to Poverty Line					
Below 100 Percent.....	16.6	12.6	28.0	19.0	9.0
100 to 150 Percent.....	12.9	10.5	26.0	20.0	6.0
Above 150 Percent.....	81.5	68.4	204.0	185.0	19.0
Eligible for Federal Assistance²					
Yes.....	38.6	30.3	70.0	52.0	18.0
No.....	72.5	61.2	188.0	172.0	16.0
Payment Method for Utilities					
All Paid by Household.....	97.5	81.3	239.0	212.0	28.0
Some Paid, Some in Rent.....	7.6	5.7	8.0	5.0	3.0
All Included in Rent.....	4.7	3.3	7.0	5.0	2.0
Other Method.....	1.3	1.1	3.0	2.0	1.0

Table AC2. Total Consumption for Air-Conditioning by Equipment Type, 2005
Billion kWh

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Type of Air-Conditioning Equipment (billion kWh)		
			Total	Central System ⁵	Window/Wall Units ⁶
Ethnic Origin of Householder					
Hispanic Descent.....	14.8	10.7	32.0	25.0	7.0
Non-Hispanic Descent.....	96.3	80.7	226.0	199.0	27.0
Race of Householder³					
White.....	79.1	66.4	186.0	166.0	20.0
Hispanic.....	5.0	3.4	11.0	9.0	2.0
Non-Hispanic.....	74.1	63.0	176.0	157.0	18.0
Black.....	13.4	11.5	33.0	27.0	6.0
Hispanic.....	0.3	0.2	Q	Q	Q
Non-Hispanic.....	13.1	11.2	33.0	27.0	6.0
Asian.....	3.3	2.1	5.0	5.0	1.0
Multi-Racial.....	1.3	1.0	3.0	3.0	(*)
Other.....	7.1	5.4	15.0	13.0	2.0
Undetermined (Race Reported as Hispanic).....	6.9	5.2	15.0	10.0	4.0
Age of Householder					
Under 25 Years.....	5.5	4.6	11.0	8.0	3.0
25 to 34 Years.....	18.2	15.2	42.0	36.0	6.0
35 to 44 Years.....	22.2	18.0	62.0	55.0	7.0
45 to 54 Years.....	23.3	19.3	59.0	52.0	7.0
55 to 64 Years.....	18.0	14.5	43.0	38.0	5.0
65 to 74 Years.....	12.3	10.0	23.0	19.0	3.0
75 Years or More.....	11.7	9.9	19.0	16.0	3.0
Adults Age 65 or Older in Household					
Yes.....	26.9	22.1	50.0	42.0	8.0
No.....	84.2	69.4	208.0	182.0	26.0
Children Under Age 5 in Household					
Yes.....	15.0	12.6	42.0	36.0	6.0
No.....	96.1	78.9	216.0	188.0	28.0
Children Age 5 to 16 in Household					
Yes.....	28.1	23.1	80.0	70.0	10.0
No.....	83.0	68.3	178.0	154.0	24.0

Table AC2. Total Consumption for Air-Conditioning by Equipment Type, 2005
Billion kWh

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Type of Air-Conditioning Equipment (billion kWh)		
			Total	Central System ⁵	Window/Wall Units ⁶
Age of Central Air-Conditioner					
Used by One Housing Unit					
Less than 2 Years.....	9.0	8.9	34.0	34.0	N
2 to 4 Years.....	11.0	10.9	41.0	41.0	N
5 to 9 Years.....	16.3	16.1	58.0	58.0	N
10 to 19 Years.....	16.8	16.4	55.0	55.0	N
20 Years or More.....	6.5	6.2	19.0	19.0	N
Don't Know.....	4.5	4.4	14.0	14.0	N
Used by Two or More Housing Units					
Less than 2 Years.....	Q	Q	Q	Q	N
2 to 4 Years.....	Q	Q	Q	Q	N
5 to 9 Years.....	0.3	0.3	1.0	1.0	N
10 to 19 Years.....	0.3	Q	Q	Q	N
20 Years or More.....	0.3	Q	Q	Q	N
Don't Know.....	0.7	0.7	2.0	2.0	N
Age of Most-Used Window/Wall Unit					
Less than 2 Years.....	6.4	6.4	10.0	2.0	8.0
2 to 4 Years.....	7.8	7.7	11.0	2.0	9.0
5 to 9 Years.....	7.0	6.9	10.0	2.0	8.0
10 to 19 Years.....	3.7	3.6	5.0	Q	5.0
20 Years or More.....	2.1	2.0	2.0	Q	2.0
Don't Know.....	1.8	1.7	2.0	Q	2.0
Cooled Floorspace (Square Feet)					
Fewer than 500.....	37.6	18.0	21.0	6.0	15.0
500 to 999.....	19.9	19.9	44.0	33.0	11.0
1,000 to 1,499.....	14.3	14.3	41.0	37.0	4.0
1,500 to 1,999.....	9.9	9.9	36.0	34.0	2.0
2,000 to 2,499.....	7.5	7.5	27.0	26.0	1.0
2,500 to 2,999.....	6.1	6.1	22.0	21.0	(*)
3,000 or 3,499.....	4.3	4.3	15.0	15.0	Q
3,500 to 3,999.....	2.9	2.9	12.0	12.0	Q
4,000 or More.....	8.7	8.7	41.0	41.0	Q

Table AC2. Total Consumption for Air-Conditioning by Equipment Type, 2005
Billion kWh

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Type of Air-Conditioning Equipment (billion kWh)		
			Total	Central System ⁵	Window/Wall Units ⁶
Proportion of Rooms Air-Conditioned⁴					
None.....	1.4	Q	Q	Q	N
Some, But Not all of the Rooms.....	8.4	8.4	18.0	18.0	N
All of the Rooms.....	56.1	56.1	206.0	206.0	N
Frequency of Central Air-Conditioner Use					
Never.....	1.4	Q	Q	Q	N
Only a Few Times When Needed.....	11.4	11.4	12.0	12.0	N
Quite a Bit.....	12.6	12.6	30.0	30.0	N
All Summer.....	40.5	40.5	182.0	182.0	N
Frequency of Most Used Window/Wall Unit					
Never.....	0.6	Q	Q	Q	N
Only a Few Times When Needed.....	12.1	12.1	9.0	2.0	7.0
Quite a Bit.....	7.5	7.5	9.0	2.0	8.0
All Summer.....	8.6	8.6	22.0	2.0	20.0
Weekday Home Activities					
Home Used for Business					
Yes.....	8.9	7.5	27.0	26.0	1.0
No.....	102.2	83.9	231.0	198.0	33.0
Energy-Intensive Activity					
Yes.....	2.2	1.6	5.0	4.0	1.0
No.....	108.9	89.8	253.0	220.0	33.0
Someone Home All Day					
Yes.....	56.4	46.5	133.0	114.0	18.0
No.....	54.7	45.0	125.0	110.0	15.0
Adequacy of Insulation					
Well Insulated.....	42.8	37.2	108.0	100.0	8.0
Adequately Insulated.....	46.3	37.9	109.0	96.0	13.0
Poorly Insulated.....	19.0	14.2	36.0	25.0	11.0
No Insulation.....	1.4	0.8	2.0	Q	1.0
Don't Know.....	1.7	1.4	4.0	3.0	1.0

Table AC2. Total Consumption for Air-Conditioning by Equipment Type, 2005
Billion kWh

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Type of Air-Conditioning Equipment (billion kWh)		
			Total	Central System ⁵	Window/Wall Units ⁶
Home is Too Drafty During the Winter					
Never.....	62.9	53.8	164.0	151.0	13.0
Some of the Time.....	32.4	25.8	65.0	51.0	13.0
Most of the Time.....	6.1	4.3	10.0	8.0	2.0
All of the Time.....	5.6	4.0	9.0	6.0	3.0
Don't Know.....	4.1	3.5	10.0	8.0	2.0
Unusually High Ceilings					
Yes.....	27.2	23.3	85.0	81.0	4.0
No.....	76.9	62.6	158.0	131.0	27.0
Not Asked (Mobile Homes).....	6.9	5.5	15.0	12.0	3.0
Cathedral Ceilings (In Housing Units with High Ceilings)					
Yes.....	17.1	14.5	55.0	54.0	1.0
No.....	10.1	8.7	30.0	27.0	3.0
Type of Glass in Windows					
Single-pane Glass.....	50.7	41.2	123.0	101.0	22.0
Double-pane Glass					
Without Low-e Coating.....	50.6	42.1	112.0	101.0	11.0
With Low-e Coating.....	8.0	6.7	19.0	18.0	1.0
Triple-pane Glass					
Without Low-e Coating.....	1.0	0.9	3.0	2.0	Q
With Low-e Coating.....	0.3	0.3	1.0	Q	Q
Proportion of Original Windows Replaced					
All.....	22.4	18.1	40.0	33.0	7.0
Some.....	21.6	16.9	43.0	35.0	8.0
None.....	62.3	52.7	166.0	149.0	17.0
Don't Know.....	4.7	3.7	9.0	7.0	1.0

Table AC2. Total Consumption for Air-Conditioning by Equipment Type, 2005
Billion kWh

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Type of Air-Conditioning Equipment (billion kWh)		
			Total	Central System ⁵	Window/Wall Units ⁶
Thermostats					
Do Not Have a Thermostat	15.3	10.4	24.0	9.0	15.0
Have a Thermostat	95.8	81.1	235.0	215.0	19.0
1.....	84.5	71.3	203.0	187.0	17.0
2 or More.....	11.3	9.8	31.0	28.0	3.0
Have a Programmable Thermostat					
Yes.....	33.1	28.7	89.0	85.0	3.0
No.....	62.7	52.4	146.0	130.0	16.0
Use of Programmable Thermostats					
Reduces Temperature During Day					
Yes.....	18.6	16.3	49.0	47.0	2.0
No.....	14.5	12.4	40.0	38.0	2.0
Reduces Temperature at Night					
Yes.....	21.5	18.6	57.0	55.0	2.0
No.....	11.6	10.1	32.0	30.0	1.0

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 Only applies to households using central air-conditioning.

5 In the 2005 RECS, 1.5 million housing units reported having both central and window/wall air conditioners. They are included in this column.

6 In the 2005 RECS, 1.5 million housing units reported having both central and window/wall air conditioners. They are not included in this column.

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.

Table AC3. Total Consumption for Air-Conditioning by Equipment Type, 2005
Quadrillion British Thermal Units (Btu)

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Type of Air-Conditioning Equipment (quadrillion Btu)		
			Total	Central System ⁵	Window/Wall Units ⁶
Total.....	111.1	91.4	0.88	0.76	0.12
Census Region and Division					
Northeast.....	20.6	16.3	0.07	0.04	0.03
New England.....	5.5	3.7	0.01	(*)	0.01
Middle Atlantic.....	15.1	12.6	0.06	0.04	0.03
Midwest.....	25.6	23.4	0.14	0.13	0.02
East North Central.....	17.7	15.9	0.09	0.08	0.01
West North Central.....	7.9	7.5	0.05	0.05	0.01
South.....	40.7	38.9	0.56	0.51	0.06
South Atlantic.....	21.7	20.7	0.28	0.26	0.02
East South Central.....	6.9	6.6	0.08	0.07	0.01
West South Central.....	12.1	11.7	0.21	0.18	0.03
West.....	24.2	12.9	0.10	0.09	0.01
Mountain.....	7.6	4.3	0.06	0.06	Q
Pacific.....	16.6	8.5	0.04	0.03	0.01
Four Most Populated States					
New York.....	7.1	5.3	0.02	0.01	0.01
Florida.....	7.0	7.0	0.14	0.14	0.01
Texas.....	8.0	7.7	0.15	0.13	0.01
California.....	12.1	6.6	0.03	0.03	(*)
All Other States.....	76.9	65.0	0.54	0.46	0.08
Urban/Rural Location (as Self-Reported)					
City.....	47.1	37.8	0.36	0.30	0.05
Town.....	19.0	15.9	0.14	0.11	0.02
Suburbs.....	22.7	19.8	0.22	0.21	0.01
Rural.....	22.3	18.0	0.17	0.14	0.03
Climate Zone¹					
Less than 2,000 CDD and--					
Greater than 7,000 HDD.....	10.9	7.6	0.02	0.02	(*)
5,500 to 7,000 HDD.....	26.1	21.0	0.10	0.08	0.02
4,000 to 5,499 HDD.....	27.3	23.4	0.17	0.14	0.04
Fewer than 4,000 HDD.....	24.0	17.9	0.16	0.15	0.02
2000 CDD or More and--					
Less than 4,000 HDD.....	22.8	21.7	0.42	0.39	0.03

Table AC3. Total Consumption for Air-Conditioning by Equipment Type, 2005
Quadrillion British Thermal Units (Btu)

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Type of Air-Conditioning Equipment (quadrillion Btu)		
			Total	Central System ⁵	Window/Wall Units ⁶
Type of Housing Unit					
Single-Family Detached.....	72.1	60.3	0.66	0.60	0.06
Single-Family Attached.....	7.6	6.0	0.04	0.03	0.01
Apartments in 2-4 Unit Buildings.....	7.8	6.1	0.04	0.03	0.01
Apartments in 5 or More Unit Buildings.....	16.7	13.5	0.09	0.07	0.02
Mobile Homes.....	6.9	5.5	0.05	0.04	0.01
Ownership of Housing Unit					
Owned.....	78.1	65.8	0.68	0.62	0.07
Single-Family Detached.....	64.1	54.0	0.59	0.55	0.05
Single-Family Attached.....	4.2	3.6	0.02	0.02	(*)
Apartments in 2-4 Unit Buildings.....	1.8	1.7	0.01	0.01	(*)
Apartments in 5 or More Unit Buildings.....	2.3	1.9	0.01	0.01	(*)
Mobile Homes.....	5.7	4.7	0.04	0.03	0.01
Rented.....	33.0	25.7	0.20	0.15	0.05
Single-Family Detached.....	8.0	6.3	0.07	0.05	0.02
Single-Family Attached.....	3.4	2.5	0.02	0.01	0.01
Apartments in 2-4 Unit Buildings.....	5.9	4.4	0.03	0.02	0.01
Apartments in 5 or More Unit Buildings.....	14.4	11.7	0.08	0.06	0.02
Mobile Homes.....	1.2	0.8	0.01	0.01	(*)
Year of Construction					
Before 1940.....	14.7	10.6	0.06	0.03	0.03
1940 to 1949.....	7.4	5.5	0.04	0.03	0.01
1950 to 1959.....	12.5	10.3	0.08	0.06	0.02
1960 to 1969.....	12.5	10.3	0.09	0.07	0.02
1970 to 1979.....	18.9	15.3	0.14	0.13	0.02
1980 to 1989.....	18.6	15.7	0.17	0.15	0.01
1990 to 1999.....	17.3	15.3	0.18	0.18	0.01
2000 to 2005.....	9.2	8.6	0.12	0.11	(*)

Table AC3. Total Consumption for Air-Conditioning by Equipment Type, 2005
Quadrillion British Thermal Units (Btu)

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Type of Air-Conditioning Equipment (quadrillion Btu)		
			Total	Central System ⁵	Window/Wall Units ⁶
Household Size					
1 Person.....	30.0	24.0	0.15	0.12	0.03
2 Persons.....	34.8	29.1	0.29	0.26	0.03
3 Persons.....	18.4	15.5	0.17	0.14	0.03
4 Persons.....	15.9	13.2	0.15	0.13	0.02
5 Persons.....	7.9	6.7	0.09	0.08	0.01
6 or More Persons.....	4.1	3.0	0.04	0.03	0.01
2005 Household Income Category					
Less than \$10,000.....	9.9	7.5	0.05	0.04	0.02
\$10,000 to \$14,999.....	8.5	6.6	0.04	0.03	0.01
\$15,000 to \$19,999.....	8.4	6.9	0.05	0.04	0.01
\$20,000 to \$29,999.....	15.1	12.3	0.10	0.08	0.02
\$30,000 to \$39,999.....	13.6	11.2	0.11	0.10	0.01
\$40,000 to \$49,999.....	11.0	9.3	0.09	0.08	0.01
\$50,000 to \$74,999.....	19.8	16.7	0.17	0.16	0.02
\$75,000 to \$99,999.....	10.6	9.0	0.10	0.09	0.01
\$100,000 or More.....	14.2	12.0	0.16	0.15	(*)
Income Relative to Poverty Line					
Below 100 Percent.....	16.6	12.6	0.10	0.06	0.03
100 to 150 Percent.....	12.9	10.5	0.09	0.07	0.02
Above 150 Percent.....	81.5	68.4	0.69	0.63	0.06
Eligible for Federal Assistance²					
Yes.....	38.6	30.3	0.24	0.18	0.06
No.....	72.5	61.2	0.64	0.59	0.05
Payment Method for Utilities					
All Paid by Household.....	97.5	81.3	0.82	0.72	0.09
Some Paid, Some in Rent.....	7.6	5.7	0.03	0.02	0.01
All Included in Rent.....	4.7	3.3	0.02	0.02	0.01
Other Method.....	1.3	1.1	0.01	0.01	(*)

Table AC3. Total Consumption for Air-Conditioning by Equipment Type, 2005
Quadrillion British Thermal Units (Btu)

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Type of Air-Conditioning Equipment (quadrillion Btu)		
			Total	Central System ⁵	Window/Wall Units ⁶
Ethnic Origin of Householder					
Hispanic Descent.....	14.8	10.7	0.11	0.09	0.02
Non-Hispanic Descent.....	96.3	80.7	0.77	0.68	0.09
Race of Householder³					
White.....	79.1	66.4	0.64	0.57	0.07
Hispanic.....	5.0	3.4	0.04	0.03	0.01
Non-Hispanic.....	74.1	63.0	0.60	0.54	0.06
Black.....	13.4	11.5	0.11	0.09	0.02
Hispanic.....	0.3	0.2	Q	Q	Q
Non-Hispanic.....	13.1	11.2	0.11	0.09	0.02
Asian.....	3.3	2.1	0.02	0.02	(*)
Multi-Racial.....	1.3	1.0	0.01	0.01	(*)
Other.....	7.1	5.4	0.05	0.05	0.01
Undetermined (Race Reported as Hispanic).....	6.9	5.2	0.05	0.04	0.01
Age of Householder					
Under 25 Years.....	5.5	4.6	0.04	0.03	0.01
25 to 34 Years.....	18.2	15.2	0.14	0.12	0.02
35 to 44 Years.....	22.2	18.0	0.21	0.19	0.02
45 to 54 Years.....	23.3	19.3	0.20	0.18	0.02
55 to 64 Years.....	18.0	14.5	0.15	0.13	0.02
65 to 74 Years.....	12.3	10.0	0.08	0.07	0.01
75 Years or More.....	11.7	9.9	0.06	0.05	0.01
Adults Age 65 or Older in Household					
Yes.....	26.9	22.1	0.17	0.14	0.03
No.....	84.2	69.4	0.71	0.62	0.09
Children Under Age 5 in Household					
Yes.....	15.0	12.6	0.14	0.12	0.02
No.....	96.1	78.9	0.74	0.64	0.10
Children Age 5 to 16 in Household					
Yes.....	28.1	23.1	0.27	0.24	0.03
No.....	83.0	68.3	0.61	0.53	0.08

Table AC3. Total Consumption for Air-Conditioning by Equipment Type, 2005
Quadrillion British Thermal Units (Btu)

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Type of Air-Conditioning Equipment (quadrillion Btu)		
			Total	Central System ⁵	Window/Wall Units ⁶
Age of Central Air-Conditioner					
Used by One Housing Unit					
Less than 2 Years.....	9.0	8.9	0.12	0.12	N
2 to 4 Years.....	11.0	10.9	0.14	0.14	N
5 to 9 Years.....	16.3	16.1	0.20	0.20	N
10 to 19 Years.....	16.8	16.4	0.19	0.19	N
20 Years or More.....	6.5	6.2	0.07	0.07	N
Don't Know.....	4.5	4.4	0.05	0.05	N
Used by Two or More Housing Units					
Less than 2 Years.....	Q	Q	Q	Q	N
2 to 4 Years.....	Q	Q	Q	Q	N
5 to 9 Years.....	0.3	0.3	(*)	(*)	N
10 to 19 Years.....	0.3	Q	Q	Q	N
20 Years or More.....	0.3	Q	Q	Q	N
Don't Know.....	0.7	0.7	0.01	0.01	N
Age of Most-Used Window/Wall Unit					
Less than 2 Years.....	6.4	6.4	0.03	0.01	0.03
2 to 4 Years.....	7.8	7.7	0.04	0.01	0.03
5 to 9 Years.....	7.0	6.9	0.03	0.01	0.03
10 to 19 Years.....	3.7	3.6	0.02	Q	0.02
20 Years or More.....	2.1	2.0	0.01	Q	0.01
Don't Know.....	1.8	1.7	0.01	Q	0.01
Cooled Floorspace (Square Feet)					
Fewer than 500.....	37.6	18.0	0.07	0.02	0.05
500 to 999.....	19.9	19.9	0.15	0.11	0.04
1,000 to 1,499.....	14.3	14.3	0.14	0.13	0.01
1,500 to 1,999.....	9.9	9.9	0.12	0.11	0.01
2,000 to 2,499.....	7.5	7.5	0.09	0.09	(*)
2,500 to 2,999.....	6.1	6.1	0.07	0.07	(*)
3,000 or 3,499.....	4.3	4.3	0.05	0.05	Q
3,500 to 3,999.....	2.9	2.9	0.04	0.04	Q
4,000 or More.....	8.7	8.7	0.14	0.14	Q

Table AC3. Total Consumption for Air-Conditioning by Equipment Type, 2005
Quadrillion British Thermal Units (Btu)

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Type of Air-Conditioning Equipment (quadrillion Btu)		
			Total	Central System ⁵	Window/Wall Units ⁶
Proportion of Rooms Air-Conditioned⁴					
None.....	1.4	Q	Q	Q	N
Some, But Not all of the Rooms.....	8.4	8.4	0.06	0.06	N
All of the Rooms.....	56.1	56.1	0.70	0.70	N
Frequency of Central Air-Conditioner Use					
Never.....	1.4	Q	Q	Q	N
Only a Few Times When Needed.....	11.4	11.4	0.04	0.04	N
Quite a Bit.....	12.6	12.6	0.10	0.10	N
All Summer.....	40.5	40.5	0.62	0.62	N
Frequency of Most Used Window/Wall Unit					
Never.....	0.6	Q	Q	Q	N
Only a Few Times When Needed.....	12.1	12.1	0.03	0.01	0.02
Quite a Bit.....	7.5	7.5	0.03	0.01	0.03
All Summer.....	8.6	8.6	0.07	0.01	0.07
Weekday Home Activities					
Home Used for Business					
Yes.....	8.9	7.5	0.09	0.09	(*)
No.....	102.2	83.9	0.79	0.68	0.11
Energy-Intensive Activity					
Yes.....	2.2	1.6	0.02	0.01	(*)
No.....	108.9	89.8	0.86	0.75	0.11
Someone Home All Day					
Yes.....	56.4	46.5	0.45	0.39	0.06
No.....	54.7	45.0	0.43	0.38	0.05
Adequacy of Insulation					
Well Insulated.....	42.8	37.2	0.37	0.34	0.03
Adequately Insulated.....	46.3	37.9	0.37	0.33	0.04
Poorly Insulated.....	19.0	14.2	0.12	0.09	0.04
No Insulation.....	1.4	0.8	0.01	Q	(*)
Don't Know.....	1.7	1.4	0.01	0.01	(*)

Table AC3. Total Consumption for Air-Conditioning by Equipment Type, 2005
Quadrillion British Thermal Units (Btu)

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Type of Air-Conditioning Equipment (quadrillion Btu)		
			Total	Central System ⁵	Window/Wall Units ⁶
Home is Too Drafty During the Winter					
Never.....	62.9	53.8	0.56	0.51	0.05
Some of the Time.....	32.4	25.8	0.22	0.18	0.05
Most of the Time.....	6.1	4.3	0.03	0.03	0.01
All of the Time.....	5.6	4.0	0.03	0.02	0.01
Don't Know.....	4.1	3.5	0.03	0.03	0.01
Unusually High Ceilings					
Yes.....	27.2	23.3	0.29	0.28	0.01
No.....	76.9	62.6	0.54	0.45	0.09
Not Asked (Mobile Homes).....	6.9	5.5	0.05	0.04	0.01
Cathedral Ceilings (In Housing Units with High Ceilings)					
Yes.....	17.1	14.5	0.19	0.19	(*)
No.....	10.1	8.7	0.10	0.09	0.01
Type of Glass in Windows					
Single-pane Glass.....	50.7	41.2	0.42	0.34	0.07
Double-pane Glass					
Without Low-e Coating.....	50.6	42.1	0.38	0.35	0.04
With Low-e Coating.....	8.0	6.7	0.06	0.06	(*)
Triple-pane Glass					
Without Low-e Coating.....	1.0	0.9	0.01	0.01	Q
With Low-e Coating.....	0.3	0.3	(*)	Q	Q
Proportion of Original Windows Replaced					
All.....	22.4	18.1	0.14	0.11	0.02
Some.....	21.6	16.9	0.15	0.12	0.03
None.....	62.3	52.7	0.57	0.51	0.06
Don't Know.....	4.7	3.7	0.03	0.03	(*)

Table AC3. Total Consumption for Air-Conditioning by Equipment Type, 2005
Quadrillion British Thermal Units (Btu)

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Type of Air-Conditioning Equipment (quadrillion Btu)		
			Total	Central System ⁵	Window/Wall Units ⁶
Thermostats					
Do Not Have a Thermostat	15.3	10.4	0.08	0.03	0.05
Have a Thermostat	95.8	81.1	0.80	0.73	0.07
1.....	84.5	71.3	0.69	0.64	0.06
2 or More.....	11.3	9.8	0.11	0.10	0.01
Have a Programmable Thermostat					
Yes.....	33.1	28.7	0.30	0.29	0.01
No.....	62.7	52.4	0.50	0.44	0.05
Use of Programmable Thermostats					
Reduces Temperature During Day					
Yes.....	18.6	16.3	0.17	0.16	0.01
No.....	14.5	12.4	0.14	0.13	0.01
Reduces Temperature at Night					
Yes.....	21.5	18.6	0.19	0.19	0.01
No.....	11.6	10.1	0.11	0.10	(*)

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 Only applies to households using central air-conditioning.

5 In the 2005 RECS, 1.5 million housing units reported having both central and window/wall air conditioners. They are included in this column.

6 In the 2005 RECS, 1.5 million housing units reported having both central and window/wall air conditioners. They are not included in this column.

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.

Table AC4. Total Expenditures for Air-Conditioning by Equipment Type, 2005
Billion Dollars

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Type of Air-Conditioning Equipment (billion Dollars)		
			Total	Central System ⁵	Window/Wall Units ⁶
Total.....	111.1	91.4	25.3	21.6	3.7
Census Region and Division					
Northeast.....	20.6	16.3	2.9	1.5	1.4
New England.....	5.5	3.7	0.4	0.1	0.2
Middle Atlantic.....	15.1	12.6	2.5	1.4	1.2
Midwest.....	25.6	23.4	3.6	3.1	0.5
East North Central.....	17.7	15.9	2.3	2.0	0.4
West North Central.....	7.9	7.5	1.3	1.2	0.1
South.....	40.7	38.9	15.8	14.2	1.5
South Atlantic.....	21.7	20.7	7.7	7.1	0.5
East South Central.....	6.9	6.6	1.8	1.6	0.2
West South Central.....	12.1	11.7	6.3	5.5	0.8
West.....	24.2	12.8	3.0	2.8	0.3
Mountain.....	7.6	4.3	1.7	1.6	Q
Pacific.....	16.6	8.5	1.3	1.1	0.2
Four Most Populated States					
New York.....	7.1	5.3	1.0	0.3	0.7
Florida.....	7.0	7.0	4.2	4.0	0.2
Texas.....	8.0	7.7	4.9	4.4	0.5
California.....	12.1	6.6	1.2	1.1	0.1
All Other States.....	76.9	64.9	14.1	11.9	2.2
Urban/Rural Location (as Self-Reported)					
City.....	47.1	37.7	10.5	8.8	1.8
Town.....	19.0	15.9	3.9	3.2	0.7
Suburbs.....	22.7	19.8	6.3	5.9	0.4
Rural.....	22.3	18.0	4.6	3.8	0.8
Climate Zone¹					
Less than 2,000 CDD and--					
Greater than 7,000 HDD.....	10.9	7.6	0.7	0.6	0.1
5,500 to 7,000 HDD.....	26.1	20.9	2.9	2.1	0.8
4,000 to 5,499 HDD.....	27.3	23.4	4.8	3.6	1.3
Fewer than 4,000 HDD.....	24.0	17.9	4.5	4.0	0.5
2000 CDD or More and--					
Less than 4,000 HDD.....	22.8	21.7	12.4	11.4	1.0

Table AC4. Total Expenditures for Air-Conditioning by Equipment Type, 2005
Billion Dollars

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Type of Air-Conditioning Equipment (billion Dollars)		
			Total	Central System ⁵	Window/Wall Units ⁶
Type of Housing Unit					
Single-Family Detached.....	72.1	60.3	18.8	16.9	1.9
Single-Family Attached.....	7.6	6.0	1.2	0.9	0.3
Apartments in 2-4 Unit Buildings.....	7.8	6.1	1.2	0.8	0.5
Apartments in 5 or More Unit Buildings.....	16.7	13.5	2.6	2.0	0.7
Mobile Homes.....	6.9	5.4	1.4	1.1	0.3
Ownership of Housing Unit					
Owned.....	78.1	65.7	19.4	17.4	2.1
Single-Family Detached.....	64.1	54.0	16.8	15.4	1.5
Single-Family Attached.....	4.2	3.6	0.7	0.6	0.2
Apartments in 2-4 Unit Buildings.....	1.8	1.7	0.3	0.2	0.1
Apartments in 5 or More Unit Buildings.....	2.3	1.9	0.4	0.4	0.0
Mobile Homes.....	5.7	4.6	1.2	0.9	0.3
Rented.....	33.0	25.7	5.9	4.3	1.6
Single-Family Detached.....	8.0	6.3	2.0	1.5	0.4
Single-Family Attached.....	3.4	2.5	0.5	0.4	0.2
Apartments in 2-4 Unit Buildings.....	5.9	4.4	0.9	0.6	0.3
Apartments in 5 or More Unit Buildings.....	14.4	11.7	2.2	1.6	0.6
Mobile Homes.....	1.2	0.8	0.2	0.1	Q
Year of Construction					
Before 1940.....	14.7	10.6	1.8	0.9	0.9
1940 to 1949.....	7.4	5.5	1.3	0.8	0.5
1950 to 1959.....	12.5	10.3	2.4	1.8	0.6
1960 to 1969.....	12.5	10.3	2.5	1.9	0.5
1970 to 1979.....	18.9	15.3	4.1	3.6	0.5
1980 to 1989.....	18.6	15.7	4.8	4.4	0.4
1990 to 1999.....	17.3	15.2	5.0	4.9	0.2
2000 to 2005.....	9.2	8.6	3.4	3.3	0.0

Table AC4. Total Expenditures for Air-Conditioning by Equipment Type, 2005
Billion Dollars

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Type of Air-Conditioning Equipment (billion Dollars)		
			Total	Central System ⁵	Window/Wall Units ⁶
Household Size					
1 Person.....	30.0	23.9	4.2	3.4	0.9
2 Persons.....	34.8	29.1	8.3	7.5	0.9
3 Persons.....	18.4	15.5	4.7	3.9	0.8
4 Persons.....	15.9	13.1	4.3	3.8	0.5
5 Persons.....	7.9	6.7	2.6	2.3	0.3
6 or More Persons.....	4.1	3.0	1.2	0.9	0.3
2005 Household Income Category					
Less than \$10,000.....	9.9	7.5	1.6	1.1	0.5
\$10,000 to \$14,999.....	8.5	6.6	1.3	0.9	0.4
\$15,000 to \$19,999.....	8.4	6.9	1.5	1.0	0.5
\$20,000 to \$29,999.....	15.1	12.3	2.9	2.3	0.6
\$30,000 to \$39,999.....	13.6	11.2	3.1	2.7	0.4
\$40,000 to \$49,999.....	11.0	9.3	2.6	2.3	0.3
\$50,000 to \$74,999.....	19.8	16.6	5.0	4.5	0.5
\$75,000 to \$99,999.....	10.6	9.0	2.8	2.5	0.3
\$100,000 or More.....	14.2	12.0	4.6	4.4	0.2
Income Relative to Poverty Line					
Below 100 Percent.....	16.6	12.6	2.8	1.8	1.0
100 to 150 Percent.....	12.9	10.5	2.5	1.9	0.6
Above 150 Percent.....	81.5	68.4	19.9	17.9	2.0
Eligible for Federal Assistance²					
Yes.....	38.6	30.3	7.0	5.0	2.0
No.....	72.5	61.1	18.3	16.6	1.7
Payment Method for Utilities					
All Paid by Household.....	97.5	81.2	23.3	20.4	2.9
Some Paid, Some in Rent.....	7.6	5.7	1.0	0.5	0.5
All Included in Rent.....	4.7	3.3	0.7	0.5	0.2
Other Method.....	1.3	1.1	0.3	0.2	0.1

Table AC4. Total Expenditures for Air-Conditioning by Equipment Type, 2005
Billion Dollars

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Type of Air-Conditioning Equipment (billion Dollars)		
			Total	Central System ⁵	Window/Wall Units ⁶
Ethnic Origin of Householder					
Hispanic Descent.....	14.8	10.7	3.5	2.6	0.9
Non-Hispanic Descent.....	96.3	80.6	21.8	19.0	2.8
Race of Householder³					
White.....	79.1	66.3	17.9	15.8	2.1
Hispanic.....	5.0	3.4	1.1	0.9	0.2
Non-Hispanic.....	74.1	62.9	16.8	14.9	1.8
Black.....	13.4	11.5	3.3	2.6	0.7
Hispanic.....	0.3	0.2	0.1	Q	Q
Non-Hispanic.....	13.1	11.2	3.2	2.6	0.6
Asian.....	3.3	2.1	0.6	0.5	0.1
Multi-Racial.....	1.3	1.0	0.3	0.2	0.0
Other.....	7.1	5.4	1.6	1.4	0.3
Undetermined (Race Reported as Hispanic).....	6.9	5.2	1.7	1.1	0.6
Age of Householder					
Under 25 Years.....	5.5	4.6	1.1	0.8	0.3
25 to 34 Years.....	18.2	15.2	4.2	3.5	0.7
35 to 44 Years.....	22.2	18.0	6.1	5.3	0.8
45 to 54 Years.....	23.3	19.3	5.7	5.0	0.7
55 to 64 Years.....	18.0	14.5	4.1	3.6	0.5
65 to 74 Years.....	12.3	10.0	2.2	1.9	0.4
75 Years or More.....	11.7	9.9	1.9	1.5	0.3
Adults Age 65 or Older in Household					
Yes.....	26.9	22.1	4.9	4.0	0.9
No.....	84.2	69.3	20.4	17.6	2.8
Children Under Age 5 in Household					
Yes.....	15.0	12.6	4.2	3.6	0.6
No.....	96.1	78.8	21.0	18.0	3.0
Children Age 5 to 16 in Household					
Yes.....	28.1	23.1	7.9	6.8	1.1
No.....	83.0	68.2	17.4	14.9	2.5

Table AC4. Total Expenditures for Air-Conditioning by Equipment Type, 2005
Billion Dollars

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Type of Air-Conditioning Equipment (billion Dollars)		
			Total	Central System ⁵	Window/Wall Units ⁶
Age of Central Air-Conditioner					
Used by One Housing Unit					
Less than 2 Years.....	9.0	8.9	3.3	3.3	N
2 to 4 Years.....	11.0	10.9	4.0	4.0	N
5 to 9 Years.....	16.3	16.1	5.4	5.4	N
10 to 19 Years.....	16.8	16.4	5.2	5.2	N
20 Years or More.....	6.5	6.2	1.9	1.9	N
Don't Know.....	4.5	4.4	1.3	1.3	N
Used by Two or More Housing Units					
Less than 2 Years.....	Q	Q	Q	Q	N
2 to 4 Years.....	Q	Q	Q	Q	N
5 to 9 Years.....	0.3	0.3	0.1	0.1	N
10 to 19 Years.....	0.3	Q	Q	Q	N
20 Years or More.....	0.3	Q	Q	Q	N
Don't Know.....	0.7	0.7	0.2	0.2	N
Age of Most-Used Window/Wall Unit					
Less than 2 Years.....	6.4	6.4	1.0	0.2	0.9
2 to 4 Years.....	7.8	7.6	1.2	0.2	1.1
5 to 9 Years.....	7.0	6.9	1.1	0.2	0.9
10 to 19 Years.....	3.7	3.6	0.5	Q	0.5
20 Years or More.....	2.1	2.0	0.3	Q	0.2
Don't Know.....	1.8	1.7	0.2	Q	0.2
Cooled Floorspace (Square Feet)					
Fewer than 500.....	37.6	17.9	2.3	0.6	1.6
500 to 999.....	19.9	19.9	4.4	3.2	1.2
1,000 to 1,499.....	14.3	14.3	4.0	3.6	0.4
1,500 to 1,999.....	9.9	9.9	3.4	3.2	0.2
2,000 to 2,499.....	7.5	7.5	2.6	2.5	0.1
2,500 to 2,999.....	6.1	6.1	2.1	2.1	0.0
3,000 or 3,499.....	4.3	4.3	1.4	1.4	Q
3,500 to 3,999.....	2.9	2.9	1.1	1.1	Q
4,000 or More.....	8.7	8.7	4.0	4.0	Q

Table AC4. Total Expenditures for Air-Conditioning by Equipment Type, 2005
Billion Dollars

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Type of Air-Conditioning Equipment (billion Dollars)		
			Total	Central System ⁵	Window/Wall Units ⁶
Proportion of Rooms Air-Conditioned⁴					
None.....	1.4	Q	Q	Q	N
Some, But Not all of the Rooms.....	8.4	8.4	1.7	1.7	N
All of the Rooms.....	56.1	56.1	19.9	19.9	N
Frequency of Central Air-Conditioner Use					
Never.....	1.4	Q	Q	Q	N
Only a Few Times When Needed.....	11.4	11.4	1.3	1.3	N
Quite a Bit.....	12.6	12.6	3.0	3.0	N
All Summer.....	40.5	40.5	17.4	17.4	N
Frequency of Most Used Window/Wall Unit					
Never.....	0.6	Q	Q	Q	N
Only a Few Times When Needed.....	12.1	12.1	1.0	0.2	0.8
Quite a Bit.....	7.5	7.5	1.0	0.2	0.8
All Summer.....	8.6	8.6	2.2	0.2	2.0
Weekday Home Activities					
Home Used for Business					
Yes.....	8.9	7.5	2.7	2.5	0.1
No.....	102.2	83.8	22.6	19.1	3.5
Energy-Intensive Activity					
Yes.....	2.2	1.6	0.5	0.4	Q
No.....	108.9	89.7	24.8	21.2	3.6
Someone Home All Day					
Yes.....	56.4	46.5	13.0	11.0	2.0
No.....	54.7	44.9	12.2	10.6	1.7
Adequacy of Insulation					
Well Insulated.....	42.8	37.1	10.5	9.6	0.9
Adequately Insulated.....	46.3	37.9	10.7	9.2	1.4
Poorly Insulated.....	19.0	14.1	3.6	2.5	1.1
No Insulation.....	1.4	0.8	0.2	Q	0.1
Don't Know.....	1.7	1.4	0.4	0.3	0.1

Table AC4. Total Expenditures for Air-Conditioning by Equipment Type, 2005
Billion Dollars

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Type of Air-Conditioning Equipment (billion Dollars)		
			Total	Central System ⁵	Window/Wall Units ⁶
Home is Too Drafty During the Winter					
Never.....	62.9	53.8	16.0	14.5	1.5
Some of the Time.....	32.4	25.8	6.4	4.9	1.5
Most of the Time.....	6.1	4.3	1.0	0.8	0.2
All of the Time.....	5.6	4.0	0.9	0.6	0.3
Don't Know.....	4.1	3.5	1.0	0.8	0.2
Unusually High Ceilings					
Yes.....	27.2	23.3	8.4	8.0	0.5
No.....	76.9	62.6	15.5	12.6	2.9
Not Asked (Mobile Homes).....	6.9	5.4	1.4	1.1	0.3
Cathedral Ceilings (In Housing Units with High Ceilings)					
Yes.....	17.1	14.5	5.5	5.4	0.1
No.....	10.1	8.7	2.9	2.6	0.3
Type of Glass in Windows					
Single-pane Glass.....	50.7	41.2	12.2	9.9	2.3
Double-pane Glass					
Without Low-e Coating.....	50.6	42.0	10.9	9.7	1.3
With Low-e Coating.....	8.0	6.7	1.8	1.7	0.1
Triple-pane Glass					
Without Low-e Coating.....	1.0	0.9	0.3	0.2	Q
With Low-e Coating.....	0.3	0.3	0.1	Q	Q
Proportion of Original Windows Replaced					
All.....	22.4	18.1	4.0	3.2	0.8
Some.....	21.6	16.9	4.2	3.3	0.9
None.....	62.3	52.7	16.2	14.4	1.8
Don't Know.....	4.7	3.7	0.9	0.7	0.1

Table AC4. Total Expenditures for Air-Conditioning by Equipment Type, 2005
Billion Dollars

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Type of Air-Conditioning Equipment (billion Dollars)		
			Total	Central System ⁵	Window/Wall Units ⁶
Thermostats					
Do Not Have a Thermostat.....	15.3	10.4	2.5	0.9	1.6
Have a Thermostat.....	95.8	81.0	22.8	20.7	2.1
1.....	84.5	71.2	19.7	18.0	1.8
2 or More.....	11.3	9.8	3.1	2.8	0.3
Have a Programmable Thermostat					
Yes.....	33.1	28.6	9.0	8.6	0.4
No.....	62.7	52.3	13.8	12.2	1.6
Use of Programmable Thermostats					
Reduces Temperature During Day					
Yes.....	18.6	16.3	5.1	4.9	0.2
No.....	14.5	12.4	3.9	3.7	0.2
Reduces Temperature at Night					
Yes.....	21.5	18.6	5.9	5.6	0.3
No.....	11.6	10.0	3.1	3.0	0.2

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 Only applies to households using central air-conditioning.

5 In the 2005 RECS, 1.5 million housing units reported having both central and window/wall air conditioners. They are included in this column.

6 In the 2005 RECS, 1.5 million housing units reported having both central and window/wall air conditioners. They are not included in this column.

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.

Table AC5. Average Consumption for Air-Conditioning by Equipment Type, 2005
kWh per Household

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Type of Air-Conditioning Equipment (kWh of consumption per household)		
			Any Air-Conditioning	Central System ⁵	Window/Wall Units ⁶
Total	111.1	91.4	2822	3475	1259
Census Region and Division					
Northeast.....	20.6	16.3	1332	2077	914
New England.....	5.5	3.7	740	1480	556
Middle Atlantic.....	15.1	12.6	1506	2163	1055
Midwest.....	25.6	23.4	1813	2137	912
East North Central.....	17.7	15.9	1663	1991	861
West North Central.....	7.9	7.5	2130	2414	1059
South.....	40.7	38.9	4251	4691	2297
South Atlantic.....	21.7	20.7	3909	4324	1698
East South Central.....	6.9	6.6	3708	4185	2045
West South Central.....	12.1	11.7	5162	5661	3257
West.....	24.2	12.9	2218	2708	730
Mountain.....	7.6	4.3	4144	4467	Q
Pacific.....	16.6	8.5	1242	1541	600
Four Most Populated States					
New York.....	7.1	5.3	1192	2001	977
Florida.....	7.0	7.0	5947	6176	3256
Texas.....	8.0	7.7	5658	6151	3257
California.....	12.1	6.6	1371	1637	608
All Other States.....	76.9	65.0	2432	2957	1185
Urban/Rural Location (as Self-Reported)					
City.....	47.1	37.8	2770	3543	1228
Town.....	19.0	15.9	2505	3092	1288
Suburbs.....	22.7	19.8	3220	3683	1036
Rural.....	22.3	18.0	2775	3398	1436
Climate Zone¹					
Less than 2,000 CDD and--					
Greater than 7,000 HDD.....	10.9	7.6	923	1200	457
5,500 to 7,000 HDD.....	26.1	21.0	1421	1876	805
4,000 to 5,499 HDD.....	27.3	23.4	2171	2723	1210
Fewer than 4,000 HDD.....	24.0	17.9	2667	2962	1460
2000 CDD or More and--					
Less than 4,000 HDD.....	22.8	21.7	5676	6103	3169

Table AC5. Average Consumption for Air-Conditioning by Equipment Type, 2005
kWh per Household

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Type of Air-Conditioning Equipment (kWh of consumption per household)		
			Any Air-Conditioning	Central System ⁵	Window/Wall Units ⁶
Type of Housing Unit					
Single-Family Detached.....	72.1	60.3	3219	3751	1380
Single-Family Attached.....	7.6	6.0	1955	2315	1308
Apartments in 2-4 Unit Buildings.....	7.8	6.1	1840	2786	1093
Apartments in 5 or More Unit Buildings.....	16.7	13.5	1930	2690	934
Mobile Homes.....	6.9	5.5	2710	3325	1622
Ownership of Housing Unit					
Owned.....	78.1	65.8	3040	3544	1313
Single-Family Detached.....	64.1	54.0	3226	3697	1326
Single-Family Attached.....	4.2	3.6	1848	2163	1174
Apartments in 2-4 Unit Buildings.....	1.8	1.7	1420	2055	962
Apartments in 5 or More Unit Buildings.....	2.3	1.9	2132	2456	761
Mobile Homes.....	5.7	4.7	2756	3368	1647
Rented.....	33.0	25.7	2264	3217	1192
Single-Family Detached.....	8.0	6.3	3153	4427	1580
Single-Family Attached.....	3.4	2.5	2110	2569	1457
Apartments in 2-4 Unit Buildings.....	5.9	4.4	2005	3053	1147
Apartments in 5 or More Unit Buildings.....	14.4	11.7	1897	2747	946
Mobile Homes.....	1.2	0.8	2448	3069	1496
Year of Construction					
Before 1940.....	14.7	10.6	1684	2594	1207
1940 to 1949.....	7.4	5.5	2303	3307	1441
1950 to 1959.....	12.5	10.3	2304	3060	1227
1960 to 1969.....	12.5	10.3	2517	3079	1454
1970 to 1979.....	18.9	15.3	2777	3445	1116
1980 to 1989.....	18.6	15.7	3127	3442	1596
1990 to 1999.....	17.3	15.3	3454	3757	913
2000 to 2005.....	9.2	8.6	3937	4188	500

Table AC5. Average Consumption for Air-Conditioning by Equipment Type, 2005
kWh per Household

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Type of Air-Conditioning Equipment (kWh of consumption per household)		
			Any Air-Conditioning	Central System ⁵	Window/Wall Units ⁶
Household Size					
1 Person.....	30.0	24.0	1788	2328	906
2 Persons.....	34.8	29.1	2946	3465	1235
3 Persons.....	18.4	15.5	3131	3900	1512
4 Persons.....	15.9	13.2	3339	3993	1441
5 Persons.....	7.9	6.7	3845	4542	1664
6 or More Persons.....	4.1	3.0	3756	4706	2035
2005 Household Income Category					
Less than \$10,000.....	9.9	7.5	2053	2898	1259
\$10,000 to \$14,999.....	8.5	6.6	1975	2773	1192
\$15,000 to \$19,999.....	8.4	6.9	2236	2889	1428
\$20,000 to \$29,999.....	15.1	12.3	2402	3002	1350
\$30,000 to \$39,999.....	13.6	11.2	2945	3526	1327
\$40,000 to \$49,999.....	11.0	9.3	2911	3457	1094
\$50,000 to \$74,999.....	19.8	16.7	3070	3643	1191
\$75,000 to \$99,999.....	10.6	9.0	3109	3640	1256
\$100,000 or More.....	14.2	12.0	3792	4100	1026
Income Relative to Poverty Line					
Below 100 Percent.....	16.6	12.6	2248	3172	1404
100 to 150 Percent.....	12.9	10.5	2512	3314	1370
Above 150 Percent.....	81.5	68.4	2975	3529	1169
Eligible for Federal Assistance²					
Yes.....	38.6	30.3	2323	3137	1328
No.....	72.5	61.2	3070	3594	1188
Payment Method for Utilities					
All Paid by Household.....	97.5	81.3	2945	3514	1317
Some Paid, Some in Rent.....	7.6	5.7	1478	2463	926
All Included in Rent.....	4.7	3.3	2169	3062	1249
Other Method.....	1.3	1.1	2807	4417	1294

Table AC5. Average Consumption for Air-Conditioning by Equipment Type, 2005
kWh per Household

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Type of Air-Conditioning Equipment (kWh of consumption per household)		
			Any Air-Conditioning	Central System ⁵	Window/Wall Units ⁶
Ethnic Origin of Householder					
Hispanic Descent.....	14.8	10.7	3005	3941	1640
Non-Hispanic Descent.....	96.3	80.7	2798	3424	1185
Race of Householder³					
White.....	79.1	66.4	2810	3398	1167
Hispanic.....	5.0	3.4	3205	4056	1640
Non-Hispanic.....	74.1	63.0	2788	3367	1132
Black.....	13.4	11.5	2891	3725	1444
Hispanic.....	0.3	0.2	2081	3689	Q
Non-Hispanic.....	13.1	11.2	2908	3725	1458
Asian.....	3.3	2.1	2676	3584	970
Multi-Racial.....	1.3	1.0	3069	4152	1099
Other.....	7.1	5.4	2862	3673	1211
Undetermined (Race Reported as Hispanic).....	6.9	5.2	2808	3727	1745
Age of Householder					
Under 25 Years.....	5.5	4.6	2411	3200	1439
25 to 34 Years.....	18.2	15.2	2770	3546	1203
35 to 44 Years.....	22.2	18.0	3430	4204	1398
45 to 54 Years.....	23.3	19.3	3075	3610	1441
55 to 64 Years.....	18.0	14.5	2942	3481	1359
65 to 74 Years.....	12.3	10.0	2269	2769	1091
75 Years or More.....	11.7	9.9	1882	2454	822
Adults Age 65 or Older in Household					
Yes.....	26.9	22.1	2261	2816	1098
No.....	84.2	69.4	3001	3674	1317
Children Under Age 5 in Household					
Yes.....	15.0	12.6	3344	4255	1466
No.....	96.1	78.9	2739	3357	1222
Children Age 5 to 16 in Household					
Yes.....	28.1	23.1	3471	4078	1706
No.....	83.0	68.3	2603	3256	1133

Table AC5. Average Consumption for Air-Conditioning by Equipment Type, 2005
kWh per Household

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Type of Air-Conditioning Equipment (kWh of consumption per household)		
			Any Air-Conditioning	Central System ⁵	Window/Wall Units ⁶
Age of Central Air-Conditioner					
Used by One Housing Unit					
Less than 2 Years.....	9.0	8.9	3779	3779	N
2 to 4 Years.....	11.0	10.9	3771	3771	N
5 to 9 Years.....	16.3	16.1	3584	3584	N
10 to 19 Years.....	16.8	16.4	3329	3329	N
20 Years or More.....	6.5	6.2	3124	3124	N
Don't Know.....	4.5	4.4	3119	3119	N
Used by Two or More Housing Units					
Less than 2 Years.....	Q	Q	1742	1742	N
2 to 4 Years.....	Q	Q	1559	1559	N
5 to 9 Years.....	0.3	0.3	2146	2146	N
10 to 19 Years.....	0.3	Q	3454	3454	N
20 Years or More.....	0.3	Q	3498	3498	N
Don't Know.....	0.7	0.7	2209	2209	N
Age of Most-Used Window/Wall Unit					
Less than 2 Years.....	6.4	6.4	1529	5655	1285
2 to 4 Years.....	7.8	7.7	1433	4867	1283
5 to 9 Years.....	7.0	6.9	1460	4361	1271
10 to 19 Years.....	3.7	3.6	1405	2841	1349
20 Years or More.....	2.1	2.0	1222	3512	1100
Don't Know.....	1.8	1.7	1119	8081	1003
Cooled Floorspace (Square Feet)					
Fewer than 500.....	37.6	18.0	1183	2234	997
500 to 999.....	19.9	19.9	2205	2651	1475
1,000 to 1,499.....	14.3	14.3	2889	3139	1669
1,500 to 1,999.....	9.9	9.9	3616	3767	2202
2,000 to 2,499.....	7.5	7.5	3578	3674	1811
2,500 to 2,999.....	6.1	6.1	3537	3611	1838
3,000 or 3,499.....	4.3	4.3	3486	3498	Q
3,500 to 3,999.....	2.9	2.9	4140	4176	1431
4,000 or More.....	8.7	8.7	4709	4711	1380

Table AC5. Average Consumption for Air-Conditioning by Equipment Type, 2005
kWh per Household

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Type of Air-Conditioning Equipment (kWh of consumption per household)		
			Any Air-Conditioning	Central System ⁵	Window/Wall Units ⁶
Proportion of Rooms Air-Conditioned⁴					
None.....	1.4	Q	7822	7822	N
Some, But Not all of the Rooms.....	8.4	8.4	2115	2115	N
All of the Rooms.....	56.1	56.1	3678	3678	N
Frequency of Central Air-Conditioner Use					
Never.....	1.4	Q	7822	7822	N
Only a Few Times When Needed.....	11.4	11.4	1059	1059	N
Quite a Bit.....	12.6	12.6	2380	2380	N
All Summer.....	40.5	40.5	4495	4495	N
Frequency of Most Used Window/Wall Unit					
Never.....	0.6	Q	5599	5599	N
Only a Few Times When Needed.....	12.1	12.1	729	3087	598
Quite a Bit.....	7.5	7.5	1258	4920	1053
All Summer.....	8.6	8.6	2515	7800	2341
Weekday Home Activities					
Home Used for Business					
Yes.....	8.9	7.5	3621	4113	1114
No.....	102.2	83.9	2751	3406	1266
Energy-Intensive Activity					
Yes.....	2.2	1.6	2952	3559	1299
No.....	108.9	89.8	2820	3474	1258
Someone Home All Day					
Yes.....	56.4	46.5	2854	3562	1281
No.....	54.7	45.0	2789	3390	1234
Adequacy of Insulation					
Well Insulated.....	42.8	37.2	2903	3437	1012
Adequately Insulated.....	46.3	37.9	2870	3506	1228
Poorly Insulated.....	19.0	14.2	2544	3535	1546
No Insulation.....	1.4	0.8	2336	3597	1875
Don't Know.....	1.7	1.4	2498	3304	1210

Table AC5. Average Consumption for Air-Conditioning by Equipment Type, 2005
kWh per Household

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Type of Air-Conditioning Equipment (kWh of consumption per household)		
			Any Air-Conditioning	Central System ⁵	Window/Wall Units ⁶
Home is Too Drafty During the Winter					
Never.....	62.9	53.8	3048	3601	1120
Some of the Time.....	32.4	25.8	2507	3203	1365
Most of the Time.....	6.1	4.3	2362	3290	1150
All of the Time.....	5.6	4.0	2263	2792	1693
Don't Know.....	4.1	3.5	2888	3943	1260
Unusually High Ceilings					
Yes.....	27.2	23.3	3663	4067	1224
No.....	76.9	62.6	2520	3200	1231
Not Asked (Mobile Homes).....	6.9	5.5	2710	3325	1622
Cathedral Ceilings (In Housing Units with High Ceilings)					
Yes.....	17.1	14.5	3816	4084	954
No.....	10.1	8.7	3409	4034	1387
Type of Glass in Windows					
Single-pane Glass.....	50.7	41.2	2978	3795	1490
Double-pane Glass					
Without Low-e Coating.....	50.6	42.1	2668	3260	996
With Low-e Coating.....	8.0	6.7	2809	3185	574
Triple-pane Glass					
Without Low-e Coating.....	1.0	0.9	2934	3075	2218
With Low-e Coating.....	0.3	0.3	2734	3382	590
Proportion of Original Windows Replaced					
All.....	22.4	18.1	2205	2929	1009
Some.....	21.6	16.9	2560	3227	1386
None.....	62.3	52.7	3155	3711	1380
Don't Know.....	4.7	3.7	2306	3215	838

Table AC5. Average Consumption for Air-Conditioning by Equipment Type, 2005
kWh per Household

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Type of Air-Conditioning Equipment (kWh of consumption per household)		
			Any Air-Conditioning	Central System ⁵	Window/Wall Units ⁶
Thermostats					
Do Not Have a Thermostat	15.3	10.4	2262	4094	1776
Have a Thermostat	95.8	81.1	2894	3454	1032
1.....	84.5	71.3	2853	3363	1056
2 or More.....	11.3	9.8	3195	4204	908
Have a Programmable Thermostat					
Yes.....	33.1	28.7	3087	3454	842
No.....	62.7	52.4	2789	3454	1084
Use of Programmable Thermostats					
Reduces Temperature During Day					
Yes.....	18.6	16.3	2999	3361	770
No.....	14.5	12.4	3204	3577	935
Reduces Temperature at Night					
Yes.....	21.5	18.6	3061	3443	748
No.....	11.6	10.1	3137	3474	1021

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 Only applies to households using central air-conditioning.

5 In the 2005 RECS, 1.5 million housing units reported having both central and window/wall air conditioners. They are included in this column.

6 In the 2005 RECS, 1.5 million housing units reported having both central and window/wall air conditioners. They are not included in this column.

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.

Table AC6. Average Consumption for Air-Conditioning by Equipment Type, 2005
Million British Thermal Units (Btu) per Household

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Type of Air-Conditioning Equipment (million Btu of consumption per household)		
			Any Air-Conditioning	Central System ⁵	Window/Wall Units ⁶
Total	111.1	91.4	9.6	11.9	4.3
Census Region and Division					
Northeast.....	20.6	16.3	4.5	7.1	3.1
New England.....	5.5	3.7	2.5	5.1	1.9
Middle Atlantic.....	15.1	12.6	5.1	7.4	3.6
Midwest.....	25.6	23.4	6.2	7.3	3.1
East North Central.....	17.7	15.9	5.7	6.8	2.9
West North Central.....	7.9	7.5	7.3	8.2	3.6
South.....	40.7	38.9	14.5	16.0	7.8
South Atlantic.....	21.7	20.7	13.3	14.8	5.8
East South Central.....	6.9	6.6	12.7	14.3	7.0
West South Central.....	12.1	11.7	17.6	19.3	11.1
West.....	24.2	12.9	7.6	9.2	2.5
Mountain.....	7.6	4.3	14.1	15.2	Q
Pacific.....	16.6	8.5	4.2	5.3	2.0
Four Most Populated States					
New York.....	7.1	5.3	4.1	6.8	3.3
Florida.....	7.0	7.0	20.3	21.1	11.1
Texas.....	8.0	7.7	19.3	21.0	11.1
California.....	12.1	6.6	4.7	5.6	2.1
All Other States.....	76.9	65.0	8.3	10.1	4.0
Urban/Rural Location (as Self-Reported)					
City.....	47.1	37.8	9.5	12.1	4.2
Town.....	19.0	15.9	8.5	10.5	4.4
Suburbs.....	22.7	19.8	11.0	12.6	3.5
Rural.....	22.3	18.0	9.5	11.6	4.9
Climate Zone¹					
Less than 2,000 CDD and--					
Greater than 7,000 HDD.....	10.9	7.6	3.1	4.1	1.6
5,500 to 7,000 HDD.....	26.1	21.0	4.8	6.4	2.7
4,000 to 5,499 HDD.....	27.3	23.4	7.4	9.3	4.1
Fewer than 4,000 HDD.....	24.0	17.9	9.1	10.1	5.0
2000 CDD or More and--					
Less than 4,000 HDD.....	22.8	21.7	19.4	20.8	10.8

Table AC6. Average Consumption for Air-Conditioning by Equipment Type, 2005
Million British Thermal Units (Btu) per Household

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Type of Air-Conditioning Equipment (million Btu of consumption per household)		
			Any Air-Conditioning	Central System ⁵	Window/Wall Units ⁶
Type of Housing Unit					
Single-Family Detached.....	72.1	60.3	11.0	12.8	4.7
Single-Family Attached.....	7.6	6.0	6.7	7.9	4.5
Apartments in 2-4 Unit Buildings.....	7.8	6.1	6.3	9.5	3.7
Apartments in 5 or More Unit Buildings.....	16.7	13.5	6.6	9.2	3.2
Mobile Homes.....	6.9	5.5	9.2	11.3	5.5
Ownership of Housing Unit					
Owned.....	78.1	65.8			4.5
Single-Family Detached.....	64.1	54.0	11.0	12.6	4.5
Single-Family Attached.....	4.2	3.6	6.3	7.4	4.0
Apartments in 2-4 Unit Buildings.....	1.8	1.7	4.8	7.0	3.3
Apartments in 5 or More Unit Buildings.....	2.3	1.9	7.3	8.4	2.6
Mobile Homes.....	5.7	4.7	9.4	11.5	5.6
Rented.....	33.0	25.7			4.1
Single-Family Detached.....	8.0	6.3	10.8	15.1	5.4
Single-Family Attached.....	3.4	2.5	7.2	8.8	5.0
Apartments in 2-4 Unit Buildings.....	5.9	4.4	6.8	10.4	3.9
Apartments in 5 or More Unit Buildings.....	14.4	11.7	6.5	9.4	3.2
Mobile Homes.....	1.2	0.8	8.4	10.5	5.1
Year of Construction					
Before 1940.....	14.7	10.6	5.7	8.9	4.1
1940 to 1949.....	7.4	5.5	7.9	11.3	4.9
1950 to 1959.....	12.5	10.3	7.9	10.4	4.2
1960 to 1969.....	12.5	10.3	8.6	10.5	5.0
1970 to 1979.....	18.9	15.3	9.5	11.8	3.8
1980 to 1989.....	18.6	15.7	10.7	11.7	5.4
1990 to 1999.....	17.3	15.3	11.8	12.8	3.1
2000 to 2005.....	9.2	8.6	13.4	14.3	1.7

Table AC6. Average Consumption for Air-Conditioning by Equipment Type, 2005
Million British Thermal Units (Btu) per Household

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Type of Air-Conditioning Equipment (million Btu of consumption per household)		
			Any Air-Conditioning	Central System ⁵	Window/Wall Units ⁶
Household Size					
1 Person.....	30.0	24.0	6.1	7.9	3.1
2 Persons.....	34.8	29.1	10.1	11.8	4.2
3 Persons.....	18.4	15.5	10.7	13.3	5.2
4 Persons.....	15.9	13.2	11.4	13.6	4.9
5 Persons.....	7.9	6.7	13.1	15.5	5.7
6 or More Persons.....	4.1	3.0	12.8	16.1	6.9
2005 Household Income Category					
Less than \$10,000.....	9.9	7.5	7.0	9.9	4.3
\$10,000 to \$14,999.....	8.5	6.6	6.7	9.5	4.1
\$15,000 to \$19,999.....	8.4	6.9	7.6	9.9	4.9
\$20,000 to \$29,999.....	15.1	12.3	8.2	10.2	4.6
\$30,000 to \$39,999.....	13.6	11.2	10.0	12.0	4.5
\$40,000 to \$49,999.....	11.0	9.3	9.9	11.8	3.7
\$50,000 to \$74,999.....	19.8	16.7	10.5	12.4	4.1
\$75,000 to \$99,999.....	10.6	9.0	10.6	12.4	4.3
\$100,000 or More.....	14.2	12.0	12.9	14.0	3.5
Income Relative to Poverty Line					
Below 100 Percent.....	16.6	12.6	7.7	10.8	4.8
100 to 150 Percent.....	12.9	10.5	8.6	11.3	4.7
Above 150 Percent.....	81.5	68.4	10.2	12.0	4.0
Eligible for Federal Assistance²					
Yes.....	38.6	30.3	7.9	10.7	4.5
No.....	72.5	61.2	10.5	12.3	4.1
Payment Method for Utilities					
All Paid by Household.....	97.5	81.3	10.0	12.0	4.5
Some Paid, Some in Rent.....	7.6	5.7	5.0	8.4	3.2
All Included in Rent.....	4.7	3.3	7.4	10.4	4.3
Other Method.....	1.3	1.1	9.6	15.1	4.4

Table AC6. Average Consumption for Air-Conditioning by Equipment Type, 2005
Million British Thermal Units (Btu) per Household

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Type of Air-Conditioning Equipment (million Btu of consumption per household)		
			Any Air-Conditioning	Central System ⁵	Window/Wall Units ⁶
Ethnic Origin of Householder					
Hispanic Descent.....	14.8	10.7	10.3	13.4	5.6
Non-Hispanic Descent.....	96.3	80.7	9.5	11.7	4.0
Race of Householder³					
White.....	79.1	66.4	9.6	11.6	4.0
Hispanic.....	5.0	3.4	10.9	13.8	5.6
Non-Hispanic.....	74.1	63.0	9.5	11.5	3.9
Black.....	13.4	11.5	9.9	12.7	4.9
Hispanic.....	0.3	0.2	7.1	12.6	Q
Non-Hispanic.....	13.1	11.2	9.9	12.7	5.0
Asian.....	3.3	2.1	9.1	12.2	3.3
Multi-Racial.....	1.3	1.0	10.5	14.2	3.7
Other.....	7.1	5.4	9.8	12.5	4.1
Undetermined (Race Reported as Hispanic).....	6.9	5.2	9.6	12.7	6.0
Age of Householder					
Under 25 Years.....	5.5	4.6	8.2	10.9	4.9
25 to 34 Years.....	18.2	15.2	9.4	12.1	4.1
35 to 44 Years.....	22.2	18.0	11.7	14.3	4.8
45 to 54 Years.....	23.3	19.3	10.5	12.3	4.9
55 to 64 Years.....	18.0	14.5	10.0	11.9	4.6
65 to 74 Years.....	12.3	10.0	7.7	9.4	3.7
75 Years or More.....	11.7	9.9	6.4	8.4	2.8
Adults Age 65 or Older in Household					
Yes.....	26.9	22.1	7.7	9.6	3.7
No.....	84.2	69.4	10.2	12.5	4.5
Children Under Age 5 in Household					
Yes.....	15.0	12.6	11.4	14.5	5.0
No.....	96.1	78.9	9.3	11.5	4.2
Children Age 5 to 16 in Household					
Yes.....	28.1	23.1	11.8	13.9	5.8
No.....	83.0	68.3	8.9	11.1	3.9

Table AC6. Average Consumption for Air-Conditioning by Equipment Type, 2005
Million British Thermal Units (Btu) per Household

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Type of Air-Conditioning Equipment (million Btu of consumption per household)		
			Any Air-Conditioning	Central System ⁵	Window/Wall Units ⁶
Age of Central Air-Conditioner					
Used by One Housing Unit					
Less than 2 Years.....	9.0	8.9	12.9	12.9	N
2 to 4 Years.....	11.0	10.9	12.9	12.9	N
5 to 9 Years.....	16.3	16.1	12.2	12.2	N
10 to 19 Years.....	16.8	16.4	11.4	11.4	N
20 Years or More.....	6.5	6.2	10.7	10.7	N
Don't Know.....	4.5	4.4	10.6	10.6	N
Used by Two or More Housing Units					
Less than 2 Years.....	Q	Q	5.9	5.9	N
2 to 4 Years.....	Q	Q	5.3	5.3	N
5 to 9 Years.....	0.3	0.3	7.3	7.3	N
10 to 19 Years.....	0.3	Q	11.8	11.8	N
20 Years or More.....	0.3	Q	11.9	11.9	N
Don't Know.....	0.7	0.7	7.5	7.5	N
Age of Most-Used Window/Wall Unit					
Less than 2 Years.....	6.4	6.4	5.2	19.3	4.4
2 to 4 Years.....	7.8	7.7	4.9	16.6	4.4
5 to 9 Years.....	7.0	6.9	5.0	14.9	4.3
10 to 19 Years.....	3.7	3.6	4.8	9.7	4.6
20 Years or More.....	2.1	2.0	4.2	12.0	3.8
Don't Know.....	1.8	1.7	3.8	27.6	3.4
Cooled Floorspace (Square Feet)					
Fewer than 500.....	37.6	18.0	4.0	7.6	3.4
500 to 999.....	19.9	19.9	7.5	9.0	5.0
1,000 to 1,499.....	14.3	14.3	9.9	10.7	5.7
1,500 to 1,999.....	9.9	9.9	12.3	12.9	7.5
2,000 to 2,499.....	7.5	7.5	12.2	12.5	6.2
2,500 to 2,999.....	6.1	6.1	12.1	12.3	6.3
3,000 or 3,499.....	4.3	4.3	11.9	11.9	Q
3,500 to 3,999.....	2.9	2.9	14.1	14.2	4.9
4,000 or More.....	8.7	8.7	16.1	16.1	4.7

Table AC6. Average Consumption for Air-Conditioning by Equipment Type, 2005
Million British Thermal Units (Btu) per Household

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Type of Air-Conditioning Equipment (million Btu of consumption per household)		
			Any Air-Conditioning	Central System ⁵	Window/Wall Units ⁶
Proportion of Rooms Air-Conditioned⁴					
None.....	1.4	Q	26.7	26.7	N
Some, But Not all of the Rooms.....	8.4	8.4	7.2	7.2	N
All of the Rooms.....	56.1	56.1	12.5	12.5	N
Frequency of Central Air-Conditioner Use					
Never.....	1.4	Q	26.7	26.7	N
Only a Few Times When Needed.....	11.4	11.4	3.6	3.6	N
Quite a Bit.....	12.6	12.6	8.1	8.1	N
All Summer.....	40.5	40.5	15.3	15.3	N
Frequency of Most Used Window/Wall Unit					
Never.....	0.6	Q	19.1	19.1	N
Only a Few Times When Needed.....	12.1	12.1	2.5	10.5	2.0
Quite a Bit.....	7.5	7.5	4.3	16.8	3.6
All Summer.....	8.6	8.6	8.6	26.6	8.0
Weekday Home Activities					
Home Used for Business					
Yes.....	8.9	7.5	12.4	14.0	3.8
No.....	102.2	83.9	9.4	11.6	4.3
Energy-Intensive Activity					
Yes.....	2.2	1.6	10.1	12.1	4.4
No.....	108.9	89.8	9.6	11.9	4.3
Someone Home All Day					
Yes.....	56.4	46.5	9.7	12.2	4.4
No.....	54.7	45.0	9.5	11.6	4.2
Adequacy of Insulation					
Well Insulated.....	42.8	37.2	9.9	11.7	3.5
Adequately Insulated.....	46.3	37.9	9.8	12.0	4.2
Poorly Insulated.....	19.0	14.2	8.7	12.1	5.3
No Insulation.....	1.4	0.8	8.0	12.3	6.4
Don't Know.....	1.7	1.4	8.5	11.3	4.1

Table AC6. Average Consumption for Air-Conditioning by Equipment Type, 2005
Million British Thermal Units (Btu) per Household

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Type of Air-Conditioning Equipment (million Btu of consumption per household)		
			Any Air-Conditioning	Central System ⁵	Window/Wall Units ⁶
Home is Too Drafty During the Winter					
Never.....	62.9	53.8	10.4	12.3	3.8
Some of the Time.....	32.4	25.8	8.6	10.9	4.7
Most of the Time.....	6.1	4.3	8.1	11.2	3.9
All of the Time.....	5.6	4.0	7.7	9.5	5.8
Don't Know.....	4.1	3.5	9.9	13.5	4.3
Unusually High Ceilings					
Yes.....	27.2	23.3	12.5	13.9	4.2
No.....	76.9	62.6	8.6	10.9	4.2
Not Asked (Mobile Homes).....	6.9	5.5	9.2	11.3	5.5
Cathedral Ceilings (In Housing Units with High Ceilings)					
Yes.....	17.1	14.5	13.0	13.9	3.3
No.....	10.1	8.7	11.6	13.8	4.7
Type of Glass in Windows					
Single-pane Glass.....	50.7	41.2	10.2	12.9	5.1
Double-pane Glass					
Without Low-e Coating.....	50.6	42.1	9.1	11.1	3.4
With Low-e Coating.....	8.0	6.7	9.6	10.9	2.0
Triple-pane Glass					
Without Low-e Coating.....	1.0	0.9	10.0	10.5	7.6
With Low-e Coating.....	0.3	0.3	9.3	11.5	2.0
Proportion of Original Windows Replaced					
All.....	22.4	18.1	7.5	10.0	3.4
Some.....	21.6	16.9	8.7	11.0	4.7
None.....	62.3	52.7	10.8	12.7	4.7
Don't Know.....	4.7	3.7	7.9	11.0	2.9

Table AC6. Average Consumption for Air-Conditioning by Equipment Type, 2005
Million British Thermal Units (Btu) per Household

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Type of Air-Conditioning Equipment (million Btu of consumption per household)		
			Any Air-Conditioning	Central System ⁵	Window/Wall Units ⁶
Thermostats					
Do Not Have a Thermostat	15.3	10.4	7.7	14.0	6.1
Have a Thermostat	95.8	81.1	9.9	11.8	3.5
1.....	84.5	71.3	9.7	11.5	3.6
2 or More.....	11.3	9.8	10.9	14.3	3.1
Have a Programmable Thermostat					
Yes.....	33.1	28.7	10.5	11.8	2.9
No.....	62.7	52.4	9.5	11.8	3.7
Use of Programmable Thermostats					
Reduces Temperature During Day					
Yes.....	18.6	16.3	10.2	11.5	2.6
No.....	14.5	12.4	10.9	12.2	3.2
Reduces Temperature at Night					
Yes.....	21.5	18.6	10.4	11.7	2.6
No.....	11.6	10.1	10.7	11.9	3.5

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 Only applies to households using central air-conditioning.

5 In the 2005 RECS, 1.5 million housing units reported having both central and window/wall air conditioners. They are included in this column.

6 In the 2005 RECS, 1.5 million housing units reported having both central and window/wall air conditioners. They are not included in this column.

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.

Table AC7. Average Expenditures for Air-Conditioning by Equipment Type, 2005
Dollars per Household

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Type of Air-Conditioning Equipment (Dollars per household)		
			Any Air-Conditioning	Central System ⁵	Window/Wall Units ⁶
Total.....	111.1	91.4	276	335	136
Census Region and Division					
Northeast.....	20.6	16.3	176	257	131
New England.....	5.5	3.7	98	193	74
Middle Atlantic.....	15.1	12.6	199	266	154
Midwest.....	25.6	23.4	154	181	80
East North Central.....	17.7	15.9	145	173	78
West North Central.....	7.9	7.5	174	197	87
South.....	40.7	38.9	405	448	216
South Atlantic.....	21.7	20.7	370	409	160
East South Central.....	6.9	6.6	280	313	164
West South Central.....	12.1	11.7	539	596	321
West.....	24.2	12.8	235	283	84
Mountain.....	7.6	4.3	394	418	161
Pacific.....	16.6	8.5	155	194	73
Four Most Populated States					
New York.....	7.1	5.3	197	301	169
Florida.....	7.0	7.0	597	617	360
Texas.....	8.0	7.7	634	689	364
California.....	12.1	6.6	177	214	71
All Other States.....	76.9	64.9	216	260	113
Urban/Rural Location (as Self-Reported)					
City.....	47.1	37.7	279	348	140
Town.....	19.0	15.9	244	297	134
Suburbs.....	22.7	19.8	319	361	122
Rural.....	22.3	18.0	253	306	139
Climate Zone¹					
Less than 2,000 CDD and--					
Greater than 7,000 HDD.....	10.9	7.6	90	115	48
5,500 to 7,000 HDD.....	26.1	20.9	138	176	87
4,000 to 5,499 HDD.....	27.3	23.4	206	239	147
Fewer than 4,000 HDD.....	24.0	17.9	252	281	136
2000 CDD or More and--					
Less than 4,000 HDD.....	22.8	21.7	572	613	326

Table AC7. Average Expenditures for Air-Conditioning by Equipment Type, 2005
Dollars per Household

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Type of Air-Conditioning Equipment (Dollars per household)		
			Any Air-Conditioning	Central System ⁵	Window/Wall Units ⁶
Type of Housing Unit					
Single-Family Detached.....	72.1	60.3	312	361	142
Single-Family Attached.....	7.6	6.0	203	237	143
Apartments in 2-4 Unit Buildings.....	7.8	6.1	204	283	141
Apartments in 5 or More Unit Buildings.....	16.7	13.5	195	258	113
Mobile Homes.....	6.9	5.4	249	301	155
Ownership of Housing Unit					
Owned.....	78.1	65.7	295	341	139
Single-Family Detached.....	64.1	54.0	312	355	138
Single-Family Attached.....	4.2	3.6	201	229	141
Apartments in 2-4 Unit Buildings.....	1.8	1.7	172	213	142
Apartments in 5 or More Unit Buildings.....	2.3	1.9	216	246	91
Mobile Homes.....	5.7	4.6	252	304	155
Rented.....	33.0	25.7	228	313	133
Single-Family Detached.....	8.0	6.3	310	436	156
Single-Family Attached.....	3.4	2.5	207	250	145
Apartments in 2-4 Unit Buildings.....	5.9	4.4	216	309	140
Apartments in 5 or More Unit Buildings.....	14.4	11.7	192	262	114
Mobile Homes.....	1.2	0.8	232	280	159
Year of Construction					
Before 1940.....	14.7	10.6	171	238	136
1940 to 1949.....	7.4	5.5	236	317	167
1950 to 1959.....	12.5	10.3	233	301	137
1960 to 1969.....	12.5	10.3	241	287	153
1970 to 1979.....	18.9	15.3	270	333	114
1980 to 1989.....	18.6	15.7	306	337	154
1990 to 1999.....	17.3	15.2	330	356	101
2000 to 2005.....	9.2	8.6	389	413	59

Table AC7. Average Expenditures for Air-Conditioning by Equipment Type, 2005
Dollars per Household

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Type of Air-Conditioning Equipment (Dollars per household)		
			Any Air-Conditioning	Central System ⁵	Window/Wall Units ⁶
Household Size					
1 Person.....	30.0	23.9	177	226	97
2 Persons.....	34.8	29.1	286	334	128
3 Persons.....	18.4	15.5	302	368	162
4 Persons.....	15.9	13.1	325	383	158
5 Persons.....	7.9	6.7	387	445	204
6 or More Persons.....	4.1	3.0	385	471	231
2005 Household Income Category					
Less than \$10,000.....	9.9	7.5	206	287	129
\$10,000 to \$14,999.....	8.5	6.6	195	260	131
\$15,000 to \$19,999.....	8.4	6.9	213	257	159
\$20,000 to \$29,999.....	15.1	12.3	234	288	139
\$30,000 to \$39,999.....	13.6	11.2	279	330	133
\$40,000 to \$49,999.....	11.0	9.3	277	325	119
\$50,000 to \$74,999.....	19.8	16.6	303	353	135
\$75,000 to \$99,999.....	10.6	9.0	312	360	144
\$100,000 or More.....	14.2	12.0	380	407	141
Income Relative to Poverty Line					
Below 100 Percent.....	16.6	12.6	226	306	152
100 to 150 Percent.....	12.9	10.5	243	311	146
Above 150 Percent.....	81.5	68.4	291	341	127
Eligible for Federal Assistance²					
Yes.....	38.6	30.3	230	300	144
No.....	72.5	61.1	300	347	129
Payment Method for Utilities					
All Paid by Household.....	97.5	81.2	287	339	137
Some Paid, Some in Rent.....	7.6	5.7	169	237	131
All Included in Rent.....	4.7	3.3	207	277	136
Other Method.....	1.3	1.1	260	383	145

Table AC7. Average Expenditures for Air-Conditioning by Equipment Type, 2005
Dollars per Household

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Type of Air-Conditioning Equipment (Dollars per household)		
			Any Air-Conditioning	Central System ⁵	Window/Wall Units ⁶
Ethnic Origin of Householder					
Hispanic Descent.....	14.8	10.7	326	409	204
Non-Hispanic Descent.....	96.3	80.6	270	327	123
Race of Householder³					
White.....	79.1	66.3	270	324	118
Hispanic.....	5.0	3.4	330	412	179
Non-Hispanic.....	74.1	62.9	266	320	113
Black.....	13.4	11.5	284	356	158
Hispanic.....	0.3	0.2	192	Q	Q
Non-Hispanic.....	13.1	11.2	286	357	159
Asian.....	3.3	2.1	282	364	129
Multi-Racial.....	1.3	1.0	281	386	90
Other.....	7.1	5.4	303	376	153
Undetermined (Race Reported as Hispanic).....	6.9	5.2	319	395	230
Age of Householder					
Under 25 Years.....	5.5	4.6	238	311	148
25 to 34 Years.....	18.2	15.2	276	348	131
35 to 44 Years.....	22.2	18.0	339	408	154
45 to 54 Years.....	23.3	19.3	298	344	155
55 to 64 Years.....	18.0	14.5	285	331	149
65 to 74 Years.....	12.3	10.0	220	265	116
75 Years or More.....	11.7	9.9	187	238	91
Adults Age 65 or Older in Household					
Yes.....	26.9	22.1	221	270	119
No.....	84.2	69.3	294	354	143
Children Under Age 5 in Household					
Yes.....	15.0	12.6	336	423	156
No.....	96.1	78.8	267	321	133
Children Age 5 to 16 in Household					
Yes.....	28.1	23.1	340	392	190
No.....	83.0	68.2	255	314	121

Table AC7. Average Expenditures for Air-Conditioning by Equipment Type, 2005
Dollars per Household

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Type of Air-Conditioning Equipment (Dollars per household)		
			Any Air-Conditioning	Central System ⁵	Window/Wall Units ⁶
Age of Central Air-Conditioner					
Used by One Housing Unit					
Less than 2 Years.....	9.0	8.9	374	374	N
2 to 4 Years.....	11.0	10.9	365	365	N
5 to 9 Years.....	16.3	16.1	337	337	N
10 to 19 Years.....	16.8	16.4	316	316	N
20 Years or More.....	6.5	6.2	311	311	N
Don't Know.....	4.5	4.4	305	305	N
Used by Two or More Housing Units					
Less than 2 Years.....	Q	Q	Q	Q	N
2 to 4 Years.....	Q	Q	Q	Q	N
5 to 9 Years.....	0.3	0.3	226	226	N
10 to 19 Years.....	0.3	Q	Q	Q	N
20 Years or More.....	0.3	Q	Q	Q	N
Don't Know.....	0.7	0.7	208	208	N
Age of Most-Used Window/Wall Unit					
Less than 2 Years.....	6.4	6.4	162	490	142
2 to 4 Years.....	7.8	7.6	162	516	146
5 to 9 Years.....	7.0	6.9	153	374	139
10 to 19 Years.....	3.7	3.6	140	Q	134
20 Years or More.....	2.1	2.0	123	Q	111
Don't Know.....	1.8	1.7	108	Q	99
Cooled Floorspace (Square Feet)					
Fewer than 500.....	37.6	17.9	126	227	108
500 to 999.....	19.9	19.9	221	257	163
1,000 to 1,499.....	14.3	14.3	281	302	175
1,500 to 1,999.....	9.9	9.9	348	360	234
2,000 to 2,499.....	7.5	7.5	342	349	206
2,500 to 2,999.....	6.1	6.1	340	348	164
3,000 or 3,499.....	4.3	4.3	332	334	Q
3,500 to 3,999.....	2.9	2.9	394	396	Q
4,000 or More.....	8.7	8.7	458	459	Q

Table AC7. Average Expenditures for Air-Conditioning by Equipment Type, 2005
Dollars per Household

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Type of Air-Conditioning Equipment (Dollars per household)		
			Any Air-Conditioning	Central System ⁵	Window/Wall Units ⁶
Proportion of Rooms Air-Conditioned⁴					
None.....	1.4	Q	Q	Q	N
Some, But Not all of the Rooms.....	8.4	8.4	205	205	N
All of the Rooms.....	56.1	56.1	354	354	N
Frequency of Central Air-Conditioner Use					
Never.....	1.4	Q	Q	Q	N
Only a Few Times When Needed.....	11.4	11.4	111	111	N
Quite a Bit.....	12.6	12.6	235	235	N
All Summer.....	40.5	40.5	429	429	N
Frequency of Most Used Window/Wall Unit					
Never.....	0.6	Q	Q	Q	N
Only a Few Times When Needed.....	12.1	12.1	82	284	71
Quite a Bit.....	7.5	7.5	135	449	117
All Summer.....	8.6	8.6	258	757	242
Weekday Home Activities					
Home Used for Business					
Yes.....	8.9	7.5	353	398	118
No.....	102.2	83.8	270	328	137
Energy-Intensive Activity					
Yes.....	2.2	1.6	303	365	134
No.....	108.9	89.7	276	334	136
Someone Home All Day					
Yes.....	56.4	46.5	280	344	139
No.....	54.7	44.9	273	326	134
Adequacy of Insulation					
Well Insulated.....	42.8	37.1	282	330	113
Adequately Insulated.....	46.3	37.9	281	338	135
Poorly Insulated.....	19.0	14.1	253	345	159
No Insulation.....	1.4	0.8	256	Q	218
Don't Know.....	1.7	1.4	254	325	139

Table AC7. Average Expenditures for Air-Conditioning by Equipment Type, 2005
Dollars per Household

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Type of Air-Conditioning Equipment (Dollars per household)		
			Any Air-Conditioning	Central System ⁵	Window/Wall Units ⁶
Home is Too Drafty During the Winter					
Never.....	62.9	53.8	297	348	122
Some of the Time.....	32.4	25.8	247	306	149
Most of the Time.....	6.1	4.3	234	313	129
All of the Time.....	5.6	4.0	218	270	163
Don't Know.....	4.1	3.5	293	391	142
Unusually High Ceilings					
Yes.....	27.2	23.3	362	399	141
No.....	76.9	62.6	247	307	134
Not Asked (Mobile Homes).....	6.9	5.4	249	301	155
Cathedral Ceilings (In Housing Units with High Ceilings)					
Yes.....	17.1	14.5	381	406	115
No.....	10.1	8.7	331	384	156
Type of Glass in Windows					
Single-pane Glass.....	50.7	41.2	295	372	156
Double-pane Glass					
Without Low-e Coating.....	50.6	42.0	260	311	114
With Low-e Coating.....	8.0	6.7	266	296	85
Triple-pane Glass					
Without Low-e Coating.....	1.0	0.9	276	296	Q
With Low-e Coating.....	0.3	0.3	252	Q	Q
Proportion of Original Windows Replaced					
All.....	22.4	18.1	222	284	119
Some.....	21.6	16.9	249	306	147
None.....	62.3	52.7	308	358	146
Don't Know.....	4.7	3.7	228	313	92

Table AC7. Average Expenditures for Air-Conditioning by Equipment Type, 2005
Dollars per Household

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Type of Air-Conditioning Equipment (Dollars per household)		
			Any Air-Conditioning	Central System ⁵	Window/Wall Units ⁶
Thermostats					
Do Not Have a Thermostat	15.3	10.4	237	399	194
Have a Thermostat	95.8	81.0	282	333	111
1.....	84.5	71.2	277	323	113
2 or More.....	11.3	9.8	315	410	102
Have a Programmable Thermostat					
Yes.....	33.1	28.6	314	347	110
No.....	62.7	52.3	264	323	111
Use of Programmable Thermostats					
Reduces Temperature During Day					
Yes.....	18.6	16.3	312	346	103
No.....	14.5	12.4	316	348	118
Reduces Temperature at Night					
Yes.....	21.5	18.6	315	350	99
No.....	11.6	10.0	313	341	130

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 Only applies to households using central air-conditioning.

5 In the 2005 RECS, 1.5 million housing units reported having both central and window/wall air conditioners. They are included in this column.

6 In the 2005 RECS, 1.5 million housing units reported having both central and window/wall air conditioners. They are not included in this column.

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.

Table AC8. Average Cooling Degree Days by Equipment Type, 2005
Cooling Degree Days per Household

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Cooling Degree Days per Household				
			Total U.S.	Type of Air-Conditioning Equipment			Total U.S. Not Using Any Air-Conditioning Equipment
				Any Air-Conditioning	Central System ⁵	Window/Wall Units ⁶	
Total	111.1	91.4	1590	1729	1873	1386	939
Census Region and Division							
Northeast.....	20.6	16.3	1069	1104	1107	1103	935
New England.....	5.5	3.7	726	764	865	739	646
Middle Atlantic.....	15.1	12.6	1193	1204	1142	1247	1138
Midwest.....	25.6	23.4	1152	1169	1180	1139	969
East North Central.....	17.7	15.9	1082	1096	1105	1074	961
West North Central.....	7.9	7.5	1310	1324	1322	1331	1013
South.....	40.7	38.9	2354	2370	2424	2132	2014
South Atlantic.....	21.7	20.7	2224	2254	2347	1761	1608
East South Central.....	6.9	6.6	1906	1907	1906	1910	1882
West South Central.....	12.1	11.7	2842	2836	2855	2765	3013
West.....	24.2	12.9	1209	1598	1757	1114	766
Mountain.....	7.6	4.3	1771	2440	2576	1321	871
Pacific.....	16.6	8.5	954	1171	1215	1078	723
Four Most Populated States							
New York.....	7.1	5.3	1151	1178	1015	1222	1075
Florida.....	7.0	7.0	3494	3492	3491	3502	Q
Texas.....	8.0	7.7	3061	3047	3050	3036	3392
California.....	12.1	6.6	1044	1295	1338	1171	744
All Other States.....	76.9	65.0	1389	1474	1560	1268	923
Urban/Rural Location (as Self-Reported)							
City.....	47.1	37.8	1706	1882	2102	1443	996
Town.....	19.0	15.9	1467	1596	1754	1267	799
Suburbs.....	22.7	19.8	1586	1676	1765	1258	959
Rural.....	22.3	18.0	1451	1585	1651	1444	900
Climate Zone¹							
Less than 2,000 CDD and--							
Greater than 7,000 HDD.....	10.9	7.6	607	695	727	641	408
5,500 to 7,000 HDD.....	26.1	21.0	992	1028	1066	975	846
4,000 to 5,499 HDD.....	27.3	23.4	1324	1385	1392	1373	956
Fewer than 4,000 HDD.....	24.0	17.9	1444	1665	1687	1574	799
2000 CDD or More and--							
Less than 4,000 HDD.....	22.8	21.7	3214	3195	3222	3037	3576

Table AC8. Average Cooling Degree Days by Equipment Type, 2005
Cooling Degree Days per Household

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Cooling Degree Days per Household					
			Total U.S.	Type of Air-Conditioning Equipment			Total U.S. Not Using Any Air-Conditioning Equipment	
				Any Air-Conditioning	Central System ⁵	Window/Wall Units ⁶		
Type of Housing Unit								
Single-Family Detached.....	72.1	60.3	1594	1732	1832	1387	886	
Single-Family Attached.....	7.6	6.0	1347	1459	1494	1397	922	
Apartments in 2-4 Unit Buildings.....	7.8	6.1	1531	1704	2118	1377	909	
Apartments in 5 or More Unit Buildings.....	16.7	13.5	1655	1802	2150	1346	1034	
Mobile Homes.....	6.9	5.5	1714	1842	2041	1490	1218	
Ownership of Housing Unit								
Owned	78.1	65.8	1587	1714	1813	1373	907	
Single-Family Detached.....	64.1	54.0	1581	1716	1804	1360	857	
Single-Family Attached.....	4.2	3.6	1307	1387	1341	1487	840	
Apartments in 2-4 Unit Buildings.....	1.8	1.7	1465	1490	1897	1197	Q	
Apartments in 5 or More Unit Buildings.....	2.3	1.9	1969	2153	2360	1278	1162	
Mobile Homes.....	5.7	4.7	1743	1848	2039	1500	1283	
Rented	33.0	25.7	1596	1769	2096	1402	993	
Single-Family Detached.....	8.0	6.3	1702	1872	2181	1491	1057	
Single-Family Attached.....	3.4	2.5	1396	1563	1751	1296	974	
Apartments in 2-4 Unit Buildings.....	5.9	4.4	1552	1788	2199	1452	890	
Apartments in 5 or More Unit Buildings.....	14.4	11.7	1605	1746	2099	1351	1014	
Mobile Homes.....	1.2	0.8	1574	1811	2053	1440	1027	
Year of Construction								
Before 1940.....	14.7	10.6	1196	1314	1449	1243	891	
1940 to 1949.....	7.4	5.5	1429	1599	1686	1524	946	
1950 to 1959.....	12.5	10.3	1542	1648	1791	1444	1061	
1960 to 1969.....	12.5	10.3	1614	1708	1763	1602	1175	
1970 to 1979.....	18.9	15.3	1635	1792	1969	1355	975	
1980 to 1989.....	18.6	15.7	1721	1887	1980	1440	823	
1990 to 1999.....	17.3	15.3	1663	1783	1848	1241	754	
2000 to 2005.....	9.2	8.6	1881	1950	2017	1030	875	

Table AC8. Average Cooling Degree Days by Equipment Type, 2005
Cooling Degree Days per Household

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Cooling Degree Days per Household					
			Total U.S.	Type of Air-Conditioning Equipment			Total U.S. Not Using Any Air-Conditioning Equipment	
				Any Air-Conditioning	Central System ⁵	Window/Wall Units ⁶		
Household Size								
1 Person.....	30.0	24.0	1568	1711	1911	1383	1007	
2 Persons.....	34.8	29.1	1588	1733	1851	1344	848	
3 Persons.....	18.4	15.5	1588	1714	1857	1414	898	
4 Persons.....	15.9	13.2	1585	1719	1847	1346	934	
5 Persons.....	7.9	6.7	1694	1825	1919	1530	981	
6 or More Persons.....	4.1	3.0	1585	1758	1931	1444	1107	
2005 Household Income Category								
Less than \$10,000.....	9.9	7.5	1689	1850	2114	1602	1182	
\$10,000 to \$14,999.....	8.5	6.6	1569	1681	1962	1405	1172	
\$15,000 to \$19,999.....	8.4	6.9	1642	1741	1903	1539	1195	
\$20,000 to \$29,999.....	15.1	12.3	1578	1725	1908	1403	943	
\$30,000 to \$39,999.....	13.6	11.2	1671	1840	1982	1445	886	
\$40,000 to \$49,999.....	11.0	9.3	1622	1753	1908	1239	916	
\$50,000 to \$74,999.....	19.8	16.7	1601	1735	1894	1216	898	
\$75,000 to \$99,999.....	10.6	9.0	1444	1597	1690	1271	572	
\$100,000 or More.....	14.2	12.0	1502	1647	1715	1035	687	
Income Relative to Poverty Line								
Below 100 Percent.....	16.6	12.6	1666	1827	2137	1544	1174	
100 to 150 Percent.....	12.9	10.5	1612	1745	1896	1532	1043	
Above 150 Percent.....	81.5	68.4	1570	1709	1840	1282	846	
Eligible for Federal Assistance²								
Yes.....	38.6	30.3	1599	1733	1938	1483	1108	
No.....	72.5	61.2	1584	1727	1850	1286	816	
Payment Method for Utilities								
All Paid by Household.....	97.5	81.3	1616	1756	1881	1399	915	
Some Paid, Some in Rent.....	7.6	5.7	1305	1398	1649	1257	1012	
All Included in Rent.....	4.7	3.3	1536	1713	1891	1531	1095	
Other Method.....	1.3	1.1	1473	1540	1796	1299	1156	

Table AC8. Average Cooling Degree Days by Equipment Type, 2005
Cooling Degree Days per Household

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Cooling Degree Days per Household					
			Total U.S.	Type of Air-Conditioning Equipment			Total U.S. Not Using Any Air-Conditioning Equipment	
				Any Air-Conditioning	Central System ⁵	Window/Wall Units ⁶		
Ethnic Origin of Householder								
Hispanic Descent.....	14.8	10.7	1829	2074	2318	1719	1185	
Non-Hispanic Descent.....	96.3	80.7	1553	1683	1824	1321	874	
Race of Householder³								
White.....	79.1	66.4	1515	1651	1791	1262	810	
Hispanic.....	5.0	3.4	1820	2197	2376	1867	1034	
Non-Hispanic.....	74.1	63.0	1495	1622	1763	1217	777	
Black.....	13.4	11.5	1872	1971	2135	1687	1291	
Hispanic.....	0.3	0.2	1405	1646	Q	Q	Q	
Non-Hispanic.....	13.1	11.2	1884	1978	2140	1690	1316	
Asian.....	3.3	2.1	1485	1823	1971	1546	939	
Multi-Racial.....	1.3	1.0	1624	1750	2033	1234	1263	
Other.....	7.1	5.4	1639	1843	2047	1428	977	
Undetermined (Race Reported as Hispanic).....	6.9	5.2	1883	2030	2313	1702	1415	
Age of Householder								
Under 25 Years.....	5.5	4.6	1707	1825	2180	1388	1075	
25 to 34 Years.....	18.2	15.2	1602	1718	1931	1288	1012	
35 to 44 Years.....	22.2	18.0	1615	1777	1942	1345	921	
45 to 54 Years.....	23.3	19.3	1537	1690	1771	1443	805	
55 to 64 Years.....	18.0	14.5	1592	1744	1843	1453	963	
65 to 74 Years.....	12.3	10.0	1601	1729	1804	1552	1047	
75 Years or More.....	11.7	9.9	1555	1671	1875	1291	906	
Adults Age 65 or Older in Household								
Yes.....	26.9	22.1	1600	1730	1855	1468	1005	
No.....	84.2	69.4	1586	1729	1878	1356	917	
Children Under Age 5 in Household								
Yes.....	15.0	12.6	1651	1779	1961	1401	992	
No.....	96.1	78.9	1580	1721	1859	1383	931	
Children Age 5 to 16 in Household								
Yes.....	28.1	23.1	1590	1736	1839	1438	904	
No.....	83.0	68.3	1590	1727	1885	1371	951	

Table AC8. Average Cooling Degree Days by Equipment Type, 2005
Cooling Degree Days per Household

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Cooling Degree Days per Household					Total U.S. Not Using Any Air-Conditioning Equipment
			Total U.S.	Type of Air-Conditioning Equipment				
				Any Air-Conditioning	Central System ⁵	Window/Wall Units ⁶		
Age of Central Air-Conditioner								
Used by One Housing Unit								
Less than 2 Years.....	9.0	8.9	1850	1853	1853	N	Q	
2 to 4 Years.....	11.0	10.9	1942	1954	1954	N	Q	
5 to 9 Years.....	16.3	16.1	1845	1858	1858	N	Q	
10 to 19 Years.....	16.8	16.4	1790	1797	1797	N	1465	
20 Years or More.....	6.5	6.2	1925	1935	1935	N	1767	
Don't Know.....	4.5	4.4	1969	1977	1977	N	Q	
Used by Two or More Housing Units								
Less than 2 Years.....	Q	Q	Q	Q	Q	N	N	
2 to 4 Years.....	Q	Q	Q	Q	Q	N	N	
5 to 9 Years.....	0.3	0.3	1256	1256	1256	N	N	
10 to 19 Years.....	0.3	Q	1812	Q	Q	N	Q	
20 Years or More.....	0.3	Q	2274	Q	Q	N	Q	
Don't Know.....	0.7	0.7	1837	1837	1837	N	N	
Age of Most-Used Window/Wall Unit								
Less than 2 Years.....	6.4	6.4	1436	1440	2217	1394	Q	
2 to 4 Years.....	7.8	7.7	1402	1391	1698	1377	Q	
5 to 9 Years.....	7.0	6.9	1421	1426	1795	1402	Q	
10 to 19 Years.....	3.7	3.6	1439	1457	Q	1456	Q	
20 Years or More.....	2.1	2.0	1408	1428	Q	1401	Q	
Don't Know.....	1.8	1.7	1182	1190	Q	1161	Q	
Cooled Floorspace (Square Feet)								
Fewer than 500.....	37.6	18.0	1193	1471	2117	1356	939	
500 to 999.....	19.9	19.9	1797	1797	2009	1449	N	
1,000 to 1,499.....	14.3	14.3	1855	1855	1963	1330	N	
1,500 to 1,999.....	9.9	9.9	1965	1965	2012	1521	N	
2,000 to 2,499.....	7.5	7.5	1760	1760	1780	1381	N	
2,500 to 2,999.....	6.1	6.1	1672	1672	1688	1303	N	
3,000 or 3,499.....	4.3	4.3	1665	1665	1665	Q	N	
3,500 to 3,999.....	2.9	2.9	1670	1670	1677	Q	N	
4,000 or More.....	8.7	8.7	1702	1702	1702	Q	N	

Table AC8. Average Cooling Degree Days by Equipment Type, 2005
Cooling Degree Days per Household

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Cooling Degree Days per Household					Total U.S. Not Using Any Air-Conditioning Equipment
			Total U.S.	Type of Air-Conditioning Equipment				
				Any Air-Conditioning	Central System ⁵	Window/Wall Units ⁶		
Proportion of Rooms Air-Conditioned⁴								
None.....	1.4	Q	1443	Q	Q	N	1410	
Some, But Not all of the Rooms.....	8.4	8.4	1738	1738	1738	N	N	
All of the Rooms.....	56.1	56.1	1893	1893	1893	N	N	
Frequency of Central Air-Conditioner Use								
Never.....	1.4	Q	1443	Q	Q	N	1410	
Only a Few Times When Needed.....	11.4	11.4	1301	1301	1301	N	N	
Quite a Bit.....	12.6	12.6	1538	1538	1538	N	N	
All Summer.....	40.5	40.5	2137	2137	2137	N	N	
Frequency of Most Used Window/Wall Unit								
Never.....	0.6	Q	1295	Q	Q	N	1216	
Only a Few Times When Needed.....	12.1	12.1	1250	1250	1742	1223	N	
Quite a Bit.....	7.5	7.5	1368	1368	1994	1333	N	
All Summer.....	8.6	8.6	1666	1666	2013	1654	N	
Weekday Home Activities								
Home Used for Business								
Yes.....	8.9	7.5	1598	1776	1919	1050	591	
No.....	102.2	83.9	1589	1725	1868	1402	964	
Energy-Intensive Activity								
Yes.....	2.2	1.6	1355	1571	1735	1125	746	
No.....	108.9	89.8	1594	1732	1875	1390	945	
Someone Home All Day								
Yes.....	56.4	46.5	1608	1745	1891	1421	965	
No.....	54.7	45.0	1571	1713	1855	1345	912	
Adequacy of Insulation								
Well Insulated.....	42.8	37.2	1553	1680	1802	1249	711	
Adequately Insulated.....	46.3	37.9	1614	1755	1914	1343	973	
Poorly Insulated.....	19.0	14.2	1581	1753	1954	1551	1072	
No Insulation.....	1.4	0.8	1947	2315	Q	2299	1475	
Don't Know.....	1.7	1.4	1671	1786	2150	1204	1066	

Table AC8. Average Cooling Degree Days by Equipment Type, 2005
Cooling Degree Days per Household

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Cooling Degree Days per Household					
			Total U.S.	Type of Air-Conditioning Equipment			Total U.S. Not Using Any Air-Conditioning Equipment	
				Any Air-Conditioning	Central System ⁵	Window/Wall Units ⁶		
Home is Too Drafty During the Winter								
Never.....	62.9	53.8	1685	1812	1936	1379	929	
Some of the Time.....	32.4	25.8	1462	1601	1718	1409	914	
Most of the Time.....	6.1	4.3	1394	1580	1820	1265	951	
All of the Time.....	5.6	4.0	1405	1536	1661	1401	1084	
Don't Know.....	4.1	3.5	1680	1806	2059	1416	921	
Unusually High Ceilings								
Yes.....	27.2	23.3	1655	1822	1917	1248	675	
No.....	76.9	62.6	1555	1685	1837	1397	984	
Not Asked (Mobile Homes).....	6.9	5.5	1714	1842	2041	1490	1218	
Cathedral Ceilings (In Housing Units with High Ceilings)								
Yes.....	17.1	14.5	1648	1830	1907	1007	620	
No.....	10.1	8.7	1667	1808	1936	1393	777	
Type of Glass in Windows								
Single-pane Glass.....	50.7	41.2	1842	1992	2225	1568	1191	
Double-pane Glass								
Without Low-e Coating.....	50.6	42.1	1386	1517	1637	1176	740	
With Low-e Coating.....	8.0	6.7	1307	1475	1566	934	456	
Triple-pane Glass								
Without Low-e Coating.....	1.0	0.9	1392	1415	1454	Q	Q	
With Low-e Coating.....	0.3	0.3	1164	1324	Q	Q	Q	
Proportion of Original Windows Replaced								
All.....	22.4	18.1	1312	1438	1571	1219	791	
Some.....	21.6	16.9	1458	1592	1701	1402	977	
None.....	62.3	52.7	1737	1871	1989	1495	996	
Don't Know.....	4.7	3.7	1572	1761	2142	1146	864	

Table AC8. Average Cooling Degree Days by Equipment Type, 2005
Cooling Degree Days per Household

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Cooling Degree Days per Household					
			Total U.S.	Type of Air-Conditioning Equipment			Total U.S. Not Using Any Air-Conditioning Equipment	
				Any Air-Conditioning	Central System ⁵	Window/Wall Units ⁶		
Thermostats								
Do Not Have a Thermostat	15.3	10.4	1756	1954	2169	1897	1334	
Have a Thermostat	95.8	81.1	1563	1701	1863	1161	808	
1.....	84.5	71.3	1590	1730	1882	1195	829	
2 or More.....	11.3	9.8	1365	1485	1706	983	633	
Have a Programmable Thermostat								
Yes.....	33.1	28.7	1518	1639	1732	1066	732	
No.....	62.7	52.4	1587	1734	1948	1187	840	
Use of Programmable Thermostats								
Reduces Temperature During Day								
Yes.....	18.6	16.3	1505	1598	1690	1028	832	
No.....	14.5	12.4	1534	1693	1788	1115	629	
Reduces Temperature at Night								
Yes.....	21.5	18.6	1504	1616	1711	1046	774	
No.....	11.6	10.1	1543	1681	1773	1104	654	

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 Only applies to households using central air-conditioning.

5 In the 2005 RECS, 1.5 million housing units reported having both central and window/wall air conditioners. They are included in this column.

6 In the 2005 RECS, 1.5 million housing units reported having both central and window/wall air conditioners. They are not included in this column.

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.

Table AC9. Average Cooled Floorspace by Equipment Type, 2005
Air-Conditioned Square Footage per Household

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Total U.S. (square footage per household)	Total U.S. Using Any Equipment (air-conditioned square footage per household)	Type of Air-Conditioning Equipment (square footage per household)			
					Central System ⁵		Window/Wall Units ⁶	
					Total	Cooled	Total	Cooled
Total	111.1	91.4	2,171	1,749	2,474	2,227	1,719	603
Census Region and Division								
Northeast.....	20.6	16.3	2,334	1,457	3,065	2,773	2,110	716
New England.....	5.5	3.7	2,472	1,178	3,232	2,825	2,482	766
Middle Atlantic.....	15.1	12.6	2,284	1,539	3,041	2,766	1,963	697
Midwest.....	25.6	23.4	2,421	1,948	2,743	2,465	1,688	510
East North Central.....	17.7	15.9	2,483	1,943	2,821	2,511	1,853	558
West North Central.....	7.9	7.5	2,281	1,958	2,595	2,380	1,205	369
South.....	40.7	38.9	2,161	1,878	2,372	2,159	1,372	623
South Atlantic.....	21.7	20.7	2,243	1,935	2,413	2,176	1,481	649
East South Central.....	6.9	6.6	2,137	1,841	2,439	2,220	1,222	520
West South Central.....	12.1	11.6	2,028	1,798	2,259	2,093	1,317	649
West.....	24.2	12.9	1,784	1,368	1,973	1,698	1,283	366
Mountain.....	7.6	4.3	1,951	1,581	2,004	1,716	1,516	476
Pacific.....	16.6	8.5	1,708	1,259	1,952	1,686	1,242	347
Four Most Populated States								
New York.....	7.1	5.3	1,961	1,085	3,341	2,863	1,791	612
Florida.....	7.0	7.0	1,869	1,736	1,932	1,835	1,109	576
Texas.....	8.0	7.6	2,168	1,964	2,469	2,257	999	493
California.....	12.1	6.6	1,607	1,296	1,910	1,627	1,151	346
All Other States.....	76.9	65.0	2,307	1,825	2,590	2,327	1,820	632
Urban/Rural Location (as Self-Reported)								
City.....	47.1	37.7	1,781	1,430	2,043	1,870	1,471	549
Town.....	19.0	15.9	2,167	1,666	2,349	2,116	1,905	732
Suburbs.....	22.7	19.8	2,688	2,260	2,950	2,602	2,083	646
Rural.....	22.3	18.0	2,472	1,930	2,833	2,557	1,879	579
Climate Zone¹								
Less than 2,000 CDD and--								
Greater than 7,000 HDD.....	10.9	7.6	2,534	1,870	2,997	2,666	2,045	533
5,500 to 7,000 HDD.....	26.1	21.0	2,346	1,682	2,754	2,447	2,066	647
4,000 to 5,499 HDD.....	27.3	23.4	2,205	1,768	2,659	2,432	1,577	614
Fewer than 4,000 HDD.....	24.0	17.9	1,966	1,690	2,309	1,981	1,331	502
2000 CDD or More and--								
Less than 4,000 HDD.....	22.8	21.6	1,971	1,799	2,136	1,997	1,262	621

Table AC9. Average Cooled Floorspace by Equipment Type, 2005
Air-Conditioned Square Footage per Household

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Total U.S. (square footage per household)	Total U.S. Using Any Equipment (air-conditioned square footage per household)	Type of Air-Conditioning Equipment (square footage per household)				
					Central System ⁵		Window/Wall Units ⁶		
					Total	Cooled	Total	Cooled	
Type of Housing Unit									
Single-Family Detached.....	72.1	60.3	2,720	2,209	2,925	2,623	2,348	775	
Single-Family Attached.....	7.6	6.0	1,941	1,455	2,180	1,907	1,843	641	
Apartments in 2-4 Unit Buildings.....	7.8	6.1	1,090	709	1,028	1,007	1,219	473	
Apartments in 5 or More Unit Buildings.....	16.7	13.5	872	684	981	936	791	354	
Mobile Homes.....	6.9	5.5	1,059	803	1,162	1,062	898	347	
Ownership of Housing Unit									
Owned	78.1	65.8	2,586	2,102	2,793	2,502	2,193	724	
Single-Family Detached.....	64.1	53.9	2,813	2,307	2,992	2,679	2,475	795	
Single-Family Attached.....	4.2	3.6	2,400	1,763	2,588	2,240	2,132	747	
Apartments in 2-4 Unit Buildings.....	1.8	1.7	1,604	949	1,323	1,314	1,868	685	
Apartments in 5 or More Unit Buildings.....	2.3	1.9	1,116	1,044	1,252	1,206	744	356	
Mobile Homes.....	5.7	4.7	1,099	841	1,218	1,111	923	351	
Rented	33.0	25.7	1,188	845	1,277	1,194	1,137	454	
Single-Family Detached.....	8.0	6.3	1,983	1,378	2,091	1,929	1,866	698	
Single-Family Attached.....	3.4	2.5	1,383	1,008	1,496	1,350	1,519	523	
Apartments in 2-4 Unit Buildings.....	5.9	4.4	930	615	920	895	950	386	
Apartments in 5 or More Unit Buildings.....	14.4	11.7	833	626	914	869	794	353	
Mobile Homes.....	1.2	0.8	866	593	830	769	774	323	
Year of Construction									
Before 1940.....	14.7	10.6	2,325	1,347	2,950	2,534	2,157	725	
1940 to 1949.....	7.4	5.5	2,047	1,327	2,486	2,098	1,814	664	
1950 to 1959.....	12.5	10.3	2,052	1,514	2,334	2,117	1,806	653	
1960 to 1969.....	12.5	10.3	1,969	1,544	2,257	2,073	1,598	542	
1970 to 1979.....	18.9	15.3	1,863	1,552	2,175	1,990	1,376	464	
1980 to 1989.....	18.6	15.6	1,992	1,731	2,184	1,977	1,337	519	
1990 to 1999.....	17.3	15.3	2,501	2,228	2,715	2,431	1,321	529	
2000 to 2005.....	9.2	8.6	2,827	2,564	3,002	2,716	1,589	470	

Table AC9. Average Cooled Floorspace by Equipment Type, 2005
Air-Conditioned Square Footage per Household

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Total U.S. (square footage per household)	Total U.S. Using Any Equipment (air-conditioned square footage per household)	Type of Air-Conditioning Equipment (square footage per household)				
					Central System ⁵		Window/Wall Units ⁶		
					Total	Cooled	Total	Cooled	
Household Size									
1 Person.....	30.0	24.0	1,671	1,218	1,892	1,671	1,418	477	
2 Persons.....	34.8	29.1	2,297	1,839	2,517	2,208	1,838	625	
3 Persons.....	18.4	15.5	2,324	1,884	2,716	2,466	1,760	648	
4 Persons.....	15.9	13.2	2,460	2,114	2,768	2,582	2,041	755	
5 Persons.....	7.9	6.7	2,539	2,195	2,867	2,684	1,908	666	
6 or More Persons.....	4.1	3.0	2,246	1,830	2,614	2,427	2,040	747	
2005 Household Income Category									
Less than \$10,000.....	9.9	7.5	1,393	882	1,586	1,292	1,334	489	
\$10,000 to \$14,999.....	8.5	6.6	1,430	954	1,566	1,425	1,387	491	
\$15,000 to \$19,999.....	8.4	6.9	1,518	1,160	1,821	1,719	1,161	467	
\$20,000 to \$29,999.....	15.1	12.3	1,709	1,308	1,952	1,771	1,433	495	
\$30,000 to \$39,999.....	13.6	11.2	1,937	1,556	2,083	1,911	1,649	567	
\$40,000 to \$49,999.....	11.0	9.3	2,314	1,870	2,412	2,206	2,215	752	
\$50,000 to \$74,999.....	19.8	16.7	2,361	1,885	2,452	2,229	2,267	759	
\$75,000 to \$99,999.....	10.6	9.0	2,939	2,400	3,122	2,841	2,550	860	
\$100,000 or More.....	14.2	12.0	3,311	2,923	3,598	3,147	2,496	909	
Income Relative to Poverty Line									
Below 100 Percent.....	16.6	12.5	1,400	919	1,594	1,375	1,340	498	
100 to 150 Percent.....	12.9	10.5	1,583	1,227	1,869	1,741	1,275	496	
Above 150 Percent.....	81.5	68.4	2,421	1,981	2,645	2,381	1,994	674	
Eligible for Federal Assistance²									
Yes.....	38.6	30.3	1,598	1,175	1,886	1,722	1,377	503	
No.....	72.5	61.2	2,475	2,033	2,679	2,403	2,069	704	
Payment Method for Utilities									
All Paid by Household.....	97.5	81.3	2,326	1,873	2,554	2,296	1,932	661	
Some Paid, Some in Rent.....	7.6	5.7	1,089	756	1,523	1,401	959	394	
All Included in Rent.....	4.7	3.3	910	728	1,105	1,075	837	370	
Other Method.....	1.3	1.1	1,393	883	1,428	1,308	1,314	484	

Table AC9. Average Cooled Floorspace by Equipment Type, 2005
Air-Conditioned Square Footage per Household

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Total U.S. (square footage per household)	Total U.S. Using Any Equipment (air-conditioned square footage per household)	Type of Air-Conditioning Equipment (square footage per household)			
					Central System ⁵		Window/Wall Units ⁶	
					Total	Cooled	Total	Cooled
Ethnic Origin of Householder								
Hispanic Descent.....	14.8	10.7	1,547	1,238	1,834	1,705	1,346	557
Non-Hispanic Descent.....	96.3	80.7	2,267	1,817	2,544	2,284	1,792	612
Race of Householder³								
White.....	79.1	66.3	2,323	1,879	2,588	2,325	1,873	629
Hispanic.....	5.0	3.4	1,505	1,319	1,876	1,774	1,260	481
Non-Hispanic.....	74.1	62.9	2,379	1,909	2,622	2,351	1,918	640
Black.....	13.4	11.5	1,904	1,467	2,221	2,001	1,476	541
Hispanic.....	0.3	0.2	1,449	1,155	Q	Q	Q	Q
Non-Hispanic.....	13.1	11.2	1,915	1,474	2,225	2,003	1,478	535
Asian.....	3.3	2.1	1,808	1,483	2,151	1,965	1,470	576
Multi-Racial.....	1.3	1.0	1,790	1,497	2,022	1,970	1,611	637
Other.....	7.1	5.4	1,850	1,559	2,237	2,051	1,395	557
Undetermined (Race Reported as Hispanic).....	6.9	5.2	1,516	1,074	1,704	1,520	1,355	557
Age of Householder								
Under 25 Years.....	5.5	4.6	1,134	877	1,280	1,203	1,055	475
25 to 34 Years.....	18.2	15.2	1,846	1,509	2,130	1,977	1,573	563
35 to 44 Years.....	22.2	18.0	2,267	1,953	2,689	2,457	1,670	618
45 to 54 Years.....	23.3	19.3	2,475	2,010	2,714	2,447	2,065	676
55 to 64 Years.....	18.0	14.5	2,342	1,906	2,644	2,324	1,881	679
65 to 74 Years.....	12.3	10.0	2,259	1,764	2,590	2,275	1,709	561
75 Years or More.....	11.7	9.9	2,015	1,400	2,098	1,847	1,761	570
Adults Age 65 or Older in Household								
Yes.....	26.9	22.1	2,141	1,594	2,374	2,080	1,731	575
No.....	84.2	69.3	2,180	1,799	2,504	2,271	1,715	613
Children Under Age 5 in Household								
Yes.....	15.0	12.6	2,139	1,809	2,576	2,406	1,647	576
No.....	96.1	78.8	2,176	1,739	2,458	2,200	1,732	608
Children Age 5 to 16 in Household								
Yes.....	28.1	23.1	2,410	2,091	2,800	2,593	1,756	632
No.....	83.0	68.3	2,090	1,633	2,355	2,094	1,709	595

Table AC9. Average Cooled Floorspace by Equipment Type, 2005
Air-Conditioned Square Footage per Household

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Total U.S. (square footage per household)	Total U.S. Using Any Equipment (air-conditioned square footage per household)	Type of Air-Conditioning Equipment (square footage per household)			
					Central System ⁵		Window/Wall Units ⁶	
					Total	Cooled	Total	Cooled
Age of Central Air-Conditioner Used by One Housing Unit								
Less than 2 Years.....	9.0	8.9	2,876	2,559	2,887	N	N	N
2 to 4 Years.....	11.0	10.9	2,508	2,301	2,516	N	N	N
5 to 9 Years.....	16.3	16.1	2,611	2,305	2,609	N	N	N
10 to 19 Years.....	16.8	16.4	2,508	2,257	2,519	N	N	N
20 Years or More.....	6.5	6.1	2,086	1,970	2,129	N	N	N
Don't Know.....	4.5	4.4	1,768	1,693	1,775	N	N	N
Used by Two or More Housing Units								
Less than 2 Years.....	Q	Q	Q	Q	Q	N	N	N
2 to 4 Years.....	Q	Q	Q	Q	Q	N	N	N
5 to 9 Years.....	0.3	0.3	1,564	1,564	1,564	N	N	N
10 to 19 Years.....	0.3	Q	1,891	Q	Q	N	N	N
20 Years or More.....	0.3	Q	1,397	Q	Q	N	N	N
Don't Know.....	0.7	0.7	914	895	914	N	N	N
Age of Most-Used Window/Wall Unit								
Less than 2 Years.....	6.4	6.3	1,693	659	2,361	1,575	1,666	602
2 to 4 Years.....	7.8	7.7	1,798	640	2,641	1,861	1,761	587
5 to 9 Years.....	7.0	6.9	1,885	764	2,899	2,052	1,818	680
10 to 19 Years.....	3.7	3.6	2,022	705	Q	Q	Q	664
20 Years or More.....	2.1	2.0	1,463	590	Q	Q	Q	480
Don't Know.....	1.8	1.7	1,219	432	Q	Q	Q	388
Air-Conditioned Floorspace (Square Feet)								
Fewer than 500.....	37.6	17.9	1,445	306	950	390	1,082	291
500 to 999.....	19.9	19.9	1,522	740	1,168	763	2,102	703
1,000 to 1,499.....	14.3	14.3	1,778	1,232	1,539	1,238	2,944	1,206
1,500 to 1,999.....	9.9	9.9	2,195	1,749	2,038	1,754	3,658	1,705
2,000 to 2,499.....	7.5	7.5	2,490	2,226	2,409	2,224	3,979	2,263
2,500 to 2,999.....	6.1	6.1	2,960	2,727	2,899	2,729	4,362	2,681
3,000 or 3,499.....	4.3	4.3	3,382	3,235	3,346	Q	Q	Q
3,500 to 3,999.....	2.9	2.9	3,892	3,746	3,857	Q	Q	Q
4,000 or More.....	8.7	8.7	5,437	5,414	5,438	Q	Q	Q

Table AC9. Average Cooled Floorspace by Equipment Type, 2005
Air-Conditioned Square Footage per Household

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Total U.S. (square footage per household)	Total U.S. Using Any Equipment (air-conditioned square footage per household)	Type of Air-Conditioning Equipment (square footage per household)				
					Central System ⁵		Window/Wall Units ⁶		
					Total	Cooled	Total	Cooled	
Proportion of Rooms Air-Conditioned⁴									
None.....	1.4	N	1,805	N	Q	N	N	N	N
Some, But Not all of the Rooms.....	8.4	8.4	2,816	1,002	2,816	N	N	N	N
All of the Rooms.....	56.1	56.1	2,423	2,412	2,423	N	N	N	N
Frequency of Central Air-Conditioner Use									
Never.....	1.4	N	1,805	N	Q	N	N	N	N
Only a Few Times When Needed.....	11.4	11.4	2,278	1,920	2,278	N	N	N	N
Quite a Bit.....	12.6	12.6	2,552	2,248	2,552	N	N	N	N
All Summer.....	40.5	40.5	2,505	2,308	2,505	N	N	N	N
Frequency of Most Used Window/Wall Unit									
Never.....	0.6	Q	1,964	Q	Q	N	N	N	N
Only a Few Times When Needed.....	12.1	12.1	1,865	633	2,762	1,909	1,816	562	562
Quite a Bit.....	7.5	7.5	1,827	699	2,395	1,929	1,796	630	630
All Summer.....	8.6	8.6	1,552	676	2,485	1,825	1,521	635	635
Weekday Home Activities									
Home Used for Business									
Yes.....	8.9	7.5	2,904	2,366	3,022	2,675	2,427	788	788
No.....	102.2	83.9	2,107	1,694	2,414	2,178	1,685	594	594
Energy-Intensive Activity									
Yes.....	2.2	1.6	2,437	1,973	2,837	2,461	1,828	642	642
No.....	108.9	89.8	2,165	1,745	2,467	2,223	1,717	602	602
Someone Home All Day									
Yes.....	56.4	46.4	2,207	1,724	2,478	2,218	1,759	622	622
No.....	54.7	45.0	2,134	1,775	2,470	2,236	1,673	581	581
Adequacy of Insulation									
Well Insulated.....	42.8	37.2	2,449	2,019	2,693	2,412	1,785	627	627
Adequately Insulated.....	46.3	37.9	2,150	1,734	2,413	2,176	1,762	594	594
Poorly Insulated.....	19.0	14.1	1,734	1,207	1,960	1,787	1,683	618	618
No Insulation.....	1.4	0.8	1,190	633	Q	Q	Q	399	399
Don't Know.....	1.7	1.4	1,384	1,071	1,579	1,471	1,143	431	431

Table AC9. Average Cooled Floorspace by Equipment Type, 2005
Air-Conditioned Square Footage per Household

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Total U.S. (square footage per household)	Total U.S. Using Any Equipment (air-conditioned square footage per household)	Type of Air-Conditioning Equipment (square footage per household)			
					Central System ⁵		Window/Wall Units ⁶	
					Total	Cooled	Total	Cooled
Home is Too Drafty During the Winter								
Never.....	62.9	53.8	2,296	1,905	2,540	2,283	1,783	591
Some of the Time.....	32.4	25.8	2,111	1,632	2,453	2,238	1,756	632
Most of the Time.....	6.1	4.3	1,915	1,407	2,349	2,030	1,609	592
All of the Time.....	5.6	4.0	1,707	1,094	1,732	1,527	1,660	628
Don't Know.....	4.1	3.5	1,726	1,373	2,190	1,955	1,122	476
Unusually High Ceilings								
Yes.....	27.2	23.3	2,973	2,527	3,174	2,810	2,308	801
No.....	76.9	62.6	1,987	1,544	2,245	2,043	1,705	596
Not Asked (Mobile Homes).....	6.9	5.5	1,059	803	1,162	1,062	898	347
Cathedral Ceilings (In Housing Units with High Ceilings)								
Yes.....	17.1	14.5	3,069	2,670	3,210	2,846	2,561	730
No.....	10.1	8.7	2,812	2,290	3,103	2,738	2,155	843
Type of Glass in Windows								
Single-pane Glass.....	50.7	41.2	1,798	1,378	1,991	1,806	1,601	594
Double-pane Glass								
Without Low-e Coating.....	50.6	42.1	2,408	1,983	2,734	2,470	1,829	607
With Low-e Coating.....	8.0	6.7	2,909	2,369	3,116	2,662	2,349	624
Triple-pane Glass								
Without Low-e Coating.....	1.0	0.9	3,139	2,918	3,515	Q	Q	Q
With Low-e Coating.....	0.3	0.3	3,550	3,448	Q	Q	Q	Q
Proportion of Original Windows Replaced								
All.....	22.4	18.1	2,312	1,711	2,631	2,365	1,924	631
Some.....	21.6	16.9	2,378	1,749	2,694	2,356	2,130	682
None.....	62.3	52.7	2,117	1,813	2,425	2,198	1,502	579
Don't Know.....	4.7	3.7	1,260	1,022	1,528	1,442	886	343

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					Central System ⁵		Window/Wall Units ⁶		
					Total	Cooled	Total	Cooled	
Thermostats									
Do Not Have a Thermostat	15.3	10.4	1,384	824	2,218	2,035	1,193	503	
Have a Thermostat	95.8	81.0	2,296	1,868	2,483	2,234	1,950	647	
1.....	84.5	71.3	2,173	1,786	2,330	2,116	1,859	619	
2 or More.....	11.3	9.8	3,214	2,464	3,737	3,201	2,429	792	
Have a Programmable Thermostat									
Yes.....	33.1	28.7	2,711	2,309	2,864	2,562	2,392	759	
No.....	62.7	52.3	2,077	1,626	2,233	2,018	1,829	616	
Use of Programmable Thermostats									
Reduces Temperature During Day									
Yes.....	18.6	16.3	2,843	2,389	2,989	2,648	2,505	789	
No.....	14.5	12.4	2,541	2,205	2,698	2,449	2,246	720	
Reduces Temperature at Night									
Yes.....	21.5	18.6	2,810	2,368	2,987	2,637	2,394	737	
No.....	11.6	10.1	2,527	2,201	2,637	2,425	2,390	802	

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 Only applies to households using central air-conditioning.

5 In the 2005 RECS, 1.5 million housing units reported having both central and window/wall air conditioners. They are included in this column.

6 In the 2005 RECS, 1.5 million housing units reported having both central and window/wall air conditioners. They are not included in this column.

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.

Table AC10. Consumption Intensity by Equipment Type, 2005
Air-Conditioning Intensity

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Type of Air-Conditioning Equipment {kWh/(CDD*(CSF/1000))}		
			Any Air-Conditioning	Central System ⁵	Window/Wall Units ⁶
Total	111.1	91.4	0.9	0.8	1.5
Census Region and Division					
Northeast.....	20.6	16.3	0.8	0.7	1.2
New England.....	5.5	3.7	0.8	0.6	1.0
Middle Atlantic.....	15.1	12.6	0.8	0.7	1.2
Midwest.....	25.6	23.4	0.8	0.7	1.6
East North Central.....	17.7	15.9	0.8	0.7	1.4
West North Central.....	7.9	7.5	0.8	0.8	2.2
South.....	40.7	38.9	1.0	0.9	1.7
South Atlantic.....	21.7	20.7	0.9	0.9	1.5
East South Central.....	6.9	6.6	1.1	1.0	2.1
West South Central.....	12.1	11.6	1.0	1.0	1.8
West.....	24.2	12.9	1.0	0.9	1.8
Mountain.....	7.6	4.3	1.1	1.0	2.4
Pacific.....	16.6	8.5	0.8	0.8	1.6
Four Most Populated States					
New York.....	7.1	5.3	0.9	0.7	1.3
Florida.....	7.0	7.0	1.0	1.0	1.6
Texas.....	8.0	7.6	1.0	0.9	2.2
California.....	12.1	6.6	0.8	0.8	1.5
All Other States.....	76.9	65.0	0.9	0.8	1.5
Urban/Rural Location (as Self-Reported)					
City.....	47.1	37.7	1.0	0.9	1.6
Town.....	19.0	15.9	0.9	0.8	1.4
Suburbs.....	22.7	19.8	0.9	0.8	1.3
Rural.....	22.3	18.0	0.9	0.8	1.7
Climate Zone¹					
Less than 2,000 CDD and--					
Greater than 7,000 HDD.....	10.9	7.6	0.7	0.6	1.3
5,500 to 7,000 HDD.....	26.1	21.0	0.8	0.7	1.3
4,000 to 5,499 HDD.....	27.3	23.4	0.9	0.8	1.4
Fewer than 4,000 HDD.....	24.0	17.9	1.0	0.9	1.9
2000 CDD or More and--					
Less than 4,000 HDD.....	22.8	21.6	1.0	1.0	1.7

Table AC10. Consumption Intensity by Equipment Type, 2005
Air-Conditioning Intensity

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Type of Air-Conditioning Equipment {kWh/(CDD*(CSF/1000))}		
			Any Air-Conditioning	Central System ⁵	Window/Wall Units ⁶
Type of Housing Unit					
Single-Family Detached.....	72.1	60.3	0.8	0.8	1.3
Single-Family Attached.....	7.6	6.0	0.9	0.8	1.5
Apartments in 2-4 Unit Buildings.....	7.8	6.1	1.5	1.3	1.7
Apartments in 5 or More Unit Buildings.....	16.7	13.5	1.6	1.3	2.0
Mobile Homes.....	6.9	5.5	1.8	1.5	3.1
Ownership of Housing Unit					
Owned.....	78.1	65.8	0.8	0.8	1.3
Single-Family Detached.....	64.1	53.9	0.8	0.8	1.2
Single-Family Attached.....	4.2	3.6	0.8	0.7	1.1
Apartments in 2-4 Unit Buildings.....	1.8	1.7	1.0	0.8	1.2
Apartments in 5 or More Unit Buildings.....	2.3	1.9	1.0	0.9	1.7
Mobile Homes.....	5.7	4.7	1.8	1.5	3.1
Rented.....	33.0	25.7	1.5	1.3	1.9
Single-Family Detached.....	8.0	6.3	1.2	1.1	1.5
Single-Family Attached.....	3.4	2.5	1.3	1.1	2.2
Apartments in 2-4 Unit Buildings.....	5.9	4.4	1.8	1.6	2.1
Apartments in 5 or More Unit Buildings.....	14.4	11.7	1.7	1.5	2.0
Mobile Homes.....	1.2	0.8	2.3	1.9	3.2
Year of Construction					
Before 1940.....	14.7	10.6	1.0	0.7	1.3
1940 to 1949.....	7.4	5.5	1.1	0.9	1.4
1950 to 1959.....	12.5	10.3	0.9	0.8	1.3
1960 to 1969.....	12.5	10.3	1.0	0.8	1.7
1970 to 1979.....	18.9	15.3	1.0	0.9	1.8
1980 to 1989.....	18.6	15.6	1.0	0.9	2.1
1990 to 1999.....	17.3	15.3	0.9	0.8	1.4
2000 to 2005.....	9.2	8.6	0.8	0.8	1.0

Table AC10. Consumption Intensity by Equipment Type, 2005
Air-Conditioning Intensity

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Type of Air-Conditioning Equipment {kWh/(CDD*(CSF/1000))}		
			Any Air-Conditioning	Central System ⁵	Window/Wall Units ⁶
Household Size					
1 Person.....	30.0	24.0	0.9	0.7	1.4
2 Persons.....	34.8	29.1	0.9	0.9	1.5
3 Persons.....	18.4	15.5	1.0	0.9	1.7
4 Persons.....	15.9	13.2	0.9	0.8	1.4
5 Persons.....	7.9	6.7	1.0	0.9	1.6
6 or More Persons.....	4.1	3.0	1.2	1.0	1.9
2005 Household Income Category					
Less than \$10,000.....	9.9	7.5	1.3	1.1	1.6
\$10,000 to \$14,999.....	8.5	6.6	1.2	1.0	1.7
\$15,000 to \$19,999.....	8.4	6.9	1.1	0.9	2.0
\$20,000 to \$29,999.....	15.1	12.3	1.1	0.9	1.9
\$30,000 to \$39,999.....	13.6	11.2	1.0	0.9	1.6
\$40,000 to \$49,999.....	11.0	9.3	0.9	0.8	1.2
\$50,000 to \$74,999.....	19.8	16.7	0.9	0.9	1.3
\$75,000 to \$99,999.....	10.6	9.0	0.8	0.8	1.2
\$100,000 or More.....	14.2	12.0	0.8	0.8	1.1
Income Relative to Poverty Line					
Below 100 Percent.....	16.6	12.5	1.3	1.1	1.8
100 to 150 Percent.....	12.9	10.5	1.2	1.0	1.8
Above 150 Percent.....	81.5	68.4	0.9	0.8	1.4
Eligible for Federal Assistance²					
Yes.....	38.6	30.3	1.1	0.9	1.8
No.....	72.5	61.2	0.9	0.8	1.3
Payment Method for Utilities					
All Paid by Household.....	97.5	81.3	0.9	0.8	1.4
Some Paid, Some in Rent.....	7.6	5.7	1.4	1.1	1.9
All Included in Rent.....	4.7	3.3	1.7	1.5	2.2
Other Method.....	1.3	1.1	2.1	1.9	2.1

Table AC10. Consumption Intensity by Equipment Type, 2005
Air-Conditioning Intensity

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Type of Air-Conditioning Equipment {kWh/(CDD*(CSF/1000))}		
			Any Air-Conditioning	Central System ⁵	Window/Wall Units ⁶
Ethnic Origin of Householder					
Hispanic Descent.....	14.8	10.7	1.2	1.0	1.7
Non-Hispanic Descent.....	96.3	80.7	0.9	0.8	1.5
Race of Householder³					
White.....	79.1	66.3	0.9	0.8	1.5
Hispanic.....	5.0	3.4	1.1	1.0	1.8
Non-Hispanic.....	74.1	62.9	0.9	0.8	1.5
Black.....	13.4	11.5	1.0	0.9	1.6
Hispanic.....	0.3	0.2	1.1	Q	Q
Non-Hispanic.....	13.1	11.2	1.0	0.9	1.6
Asian.....	3.3	2.1	1.0	0.9	1.1
Multi-Racial.....	1.3	1.0	1.2	1.0	1.4
Other.....	7.1	5.4	1.0	0.9	1.5
Undetermined (Race Reported as Hispanic).....	6.9	5.2	1.3	1.1	1.8
Age of Householder					
Under 25 Years.....	5.5	4.6	1.5	1.2	2.2
25 to 34 Years.....	18.2	15.2	1.1	0.9	1.7
35 to 44 Years.....	22.2	18.0	1.0	0.9	1.7
45 to 54 Years.....	23.3	19.3	0.9	0.8	1.5
55 to 64 Years.....	18.0	14.5	0.9	0.8	1.4
65 to 74 Years.....	12.3	10.0	0.7	0.7	1.3
75 Years or More.....	11.7	9.9	0.8	0.7	1.1
Adults Age 65 or Older in Household					
Yes.....	26.9	22.1	0.8	0.7	1.3
No.....	84.2	69.3	1.0	0.9	1.6
Children Under Age 5 in Household					
Yes.....	15.0	12.6	1.0	0.9	1.8
No.....	96.1	78.8	0.9	0.8	1.5
Children Age 5 to 16 in Household					
Yes.....	28.1	23.1	1.0	0.9	1.9
No.....	83.0	68.3	0.9	0.8	1.4

Table AC10. Consumption Intensity by Equipment Type, 2005
Air-Conditioning Intensity

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Type of Air-Conditioning Equipment {kWh/(CDD*(CSF/1000))}		
			Any Air-Conditioning	Central System ⁵	Window/Wall Units ⁶
Age of Central Air-Conditioner					
Used by One Housing Unit					
Less than 2 Years.....	9.0	8.9	0.8	0.8	N
2 to 4 Years.....	11.0	10.9	0.8	0.8	N
5 to 9 Years.....	16.3	16.1	0.8	0.8	N
10 to 19 Years.....	16.8	16.4	0.8	0.8	N
20 Years or More.....	6.5	6.1	0.8	0.8	N
Don't Know.....	4.5	4.4	0.9	0.9	N
Used by Two or More Housing Units					
Less than 2 Years.....	Q	Q	Q	Q	N
2 to 4 Years.....	Q	Q	Q	Q	N
5 to 9 Years.....	0.3	0.3	1.1	1.1	N
10 to 19 Years.....	0.3	Q	Q	Q	N
20 Years or More.....	0.3	Q	Q	Q	N
Don't Know.....	0.7	0.7	1.3	1.3	N
Age of Most-Used Window/Wall Unit					
Less than 2 Years.....	6.4	6.3	1.6	Q	1.5
2 to 4 Years.....	7.8	7.7	1.6	1.5	1.6
5 to 9 Years.....	7.0	6.9	1.3	1.2	1.3
10 to 19 Years.....	3.7	3.6	1.4	Q	1.4
20 Years or More.....	2.1	2.0	1.5	Q	1.6
Don't Know.....	1.8	1.7	2.2	Q	2.2
Cooled Floorspace (Square Feet)					
Fewer than 500.....	37.6	17.9	2.6	2.7	2.5
500 to 999.....	19.9	19.9	1.7	1.7	1.5
1,000 to 1,499.....	14.3	14.3	1.3	1.3	1.0
1,500 to 1,999.....	9.9	9.9	1.1	1.1	0.9
2,000 to 2,499.....	7.5	7.5	0.9	0.9	0.6
2,500 to 2,999.....	6.1	6.1	0.8	0.8	0.5
3,000 or 3,499.....	4.3	4.3	0.7	0.7	Q
3,500 to 3,999.....	2.9	2.9	0.7	0.7	Q
4,000 or More.....	8.7	8.7	0.5	0.5	Q

Table AC10. Consumption Intensity by Equipment Type, 2005
Air-Conditioning Intensity

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Type of Air-Conditioning Equipment {kWh/(CDD*(CSF/1000))}		
			Any Air-Conditioning	Central System ⁵	Window/Wall Units ⁶
Proportion of Rooms Air-Conditioned⁴					
None.....	1.4	N	N	N	N
Some, But Not all of the Rooms.....	8.4	8.4	1.2	1.2	N
All of the Rooms.....	56.1	56.1	0.8	0.8	N
Frequency of Central Air-Conditioner Use					
Never.....	1.4	N	N	N	N
Only a Few Times When Needed.....	11.4	11.4	0.4	0.4	N
Quite a Bit.....	12.6	12.6	0.7	0.7	N
All Summer.....	40.5	40.5	0.9	0.9	N
Frequency of Most Used Window/Wall Unit					
Never.....	0.6	Q	Q	Q	N
Only a Few Times When Needed.....	12.1	12.1	0.9	0.9	0.9
Quite a Bit.....	7.5	7.5	1.3	1.3	1.3
All Summer.....	8.6	8.6	2.2	Q	2.2
Weekday Home Activities					
Home Used for Business					
Yes.....	8.9	7.5	0.9	0.8	1.4
No.....	102.2	83.9	0.9	0.8	1.5
Energy-Intensive Activity					
Yes.....	2.2	1.6	1.0	0.8	1.8
No.....	108.9	89.8	0.9	0.8	1.5
Someone Home All Day					
Yes.....	56.4	46.4	1.0	0.9	1.5
No.....	54.7	45.0	0.9	0.8	1.6
Adequacy of Insulation					
Well Insulated.....	42.8	37.2	0.9	0.8	1.3
Adequately Insulated.....	46.3	37.9	0.9	0.8	1.5
Poorly Insulated.....	19.0	14.1	1.2	1.0	1.6
No Insulation.....	1.4	0.8	1.6	Q	2.0
Don't Know.....	1.7	1.4	1.3	1.0	2.3

Table AC10. Consumption Intensity by Equipment Type, 2005
Air-Conditioning Intensity

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Type of Air-Conditioning Equipment {kWh/(CDD*(CSF/1000))}		
			Any Air-Conditioning	Central System ⁵	Window/Wall Units ⁶
Home is Too Drafty During the Winter					
Never.....	62.9	53.8	0.9	0.8	1.4
Some of the Time.....	32.4	25.8	1.0	0.8	1.5
Most of the Time.....	6.1	4.3	1.1	0.9	1.5
All of the Time.....	5.6	4.0	1.4	1.1	1.9
Don't Know.....	4.1	3.5	1.2	1.0	1.9
Unusually High Ceilings					
Yes.....	27.2	23.3	0.8	0.8	1.2
No.....	76.9	62.6	1.0	0.9	1.5
Not Asked (Mobile Homes).....	6.9	5.5	1.8	1.5	3.1
Cathedral Ceilings (In Housing Units with High Ceilings)					
Yes.....	17.1	14.5	0.8	0.8	1.3
No.....	10.1	8.7	0.8	0.8	1.2
Type of Glass in Windows					
Single-pane Glass.....	50.7	41.2	1.1	0.9	1.6
Double-pane Glass					
Without Low-e Coating.....	50.6	42.1	0.9	0.8	1.4
With Low-e Coating.....	8.0	6.7	0.8	0.8	1.0
Triple-pane Glass					
Without Low-e Coating.....	1.0	0.9	0.7	0.7	Q
With Low-e Coating.....	0.3	0.3	0.6	Q	Q
Proportion of Original Windows Replaced					
All.....	22.4	18.1	0.9	0.8	1.3
Some.....	21.6	16.9	0.9	0.8	1.5
None.....	62.3	52.7	0.9	0.9	1.6
Don't Know.....	4.7	3.7	1.3	1.0	2.1

Table AC10. Consumption Intensity by Equipment Type, 2005
Air-Conditioning Intensity

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Type of Air-Conditioning Equipment {kWh/(CDD*(CSF/1000))}		
			Any Air-Conditioning	Central System ⁵	Window/Wall Units ⁶
Thermostats					
Do Not Have a Thermostat	15.3	10.4	1.4	0.9	1.9
Have a Thermostat	95.8	81.0	0.9	0.8	1.4
1.....	84.5	71.3	0.9	0.8	1.4
2 or More.....	11.3	9.8	0.9	0.8	1.2
Have a Programmable Thermostat					
Yes.....	33.1	28.7	0.8	0.8	1.0
No.....	62.7	52.3	1.0	0.9	1.5
Use of Programmable Thermostats					
Reduces Temperature During Day					
Yes.....	18.6	16.3	0.8	0.8	1.0
No.....	14.5	12.4	0.9	0.8	1.2
Reduces Temperature at Night					
Yes.....	21.5	18.6	0.8	0.8	1.0
No.....	11.6	10.1	0.9	0.8	1.2

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 Only applies to households using central air-conditioning.

5 In the 2005 RECS, 1.5 million housing units reported having both central and window/wall air conditioners. They are included in this column.

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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.

Table AC11. Expenditures Intensity by Equipment Type, 2005
Air-Conditioning Intensity

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Type of Air-Conditioning Equipment [cents/(CDD*(CSF/1000))]		
			Any Air-Conditioning	Central System ⁵	Window/Wall Units ⁶
Total	111.1	91.4	9.1	8.0	16.3
Census Region and Division					
Northeast.....	20.6	16.3	11.0	8.4	16.6
New England.....	5.5	3.7	10.9	7.9	13.1
Middle Atlantic.....	15.1	12.6	10.8	8.4	17.7
Midwest.....	25.6	23.4	6.8	6.2	13.8
East North Central.....	17.7	15.9	6.8	6.2	13.0
West North Central.....	7.9	7.5	6.7	6.3	17.8
South.....	40.7	38.9	9.1	8.6	16.2
South Atlantic.....	21.7	20.7	8.5	8.0	14.0
East South Central.....	6.9	6.6	8.0	7.4	16.5
West South Central.....	12.1	11.6	10.6	10.0	17.9
West.....	24.2	12.9	10.6	9.5	20.2
Mountain.....	7.6	4.3	9.9	9.5	21.6
Pacific.....	16.6	8.5	10.5	9.5	19.4
Four Most Populated States					
New York.....	7.1	5.3	15.4	10.4	22.6
Florida.....	7.0	7.0	9.8	9.6	17.8
Texas.....	8.0	7.6	10.6	10.0	24.4
California.....	12.1	6.6	10.6	9.8	17.4
All Other States.....	76.9	65.0	8.0	7.2	14.1
Urban/Rural Location (as Self-Reported)					
City.....	47.1	37.7	10.3	8.9	17.6
Town.....	19.0	15.9	9.2	8.0	14.5
Suburbs.....	22.7	19.8	8.4	7.9	15.0
Rural.....	22.3	18.0	8.3	7.3	16.7
Climate Zone¹					
Less than 2,000 CDD and--					
Greater than 7,000 HDD.....	10.9	7.6	7.0	5.9	14.2
5,500 to 7,000 HDD.....	26.1	21.0	7.9	6.7	13.6
4,000 to 5,499 HDD.....	27.3	23.4	8.4	7.1	17.5
Fewer than 4,000 HDD.....	24.0	17.9	9.0	8.4	17.2
2000 CDD or More and--					
Less than 4,000 HDD.....	22.8	21.6	10.0	9.5	17.3

Table AC11. Expenditures Intensity by Equipment Type, 2005
Air-Conditioning Intensity

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Type of Air-Conditioning Equipment [cents/(CDD*(CSF/1000))]		
			Any Air-Conditioning	Central System ⁵	Window/Wall Units ⁶
Type of Housing Unit					
Single-Family Detached.....	72.1	60.3	8.2	7.5	13.2
Single-Family Attached.....	7.6	6.0	9.6	8.3	16.0
Apartments in 2-4 Unit Buildings.....	7.8	6.1	16.9	13.3	21.6
Apartments in 5 or More Unit Buildings.....	16.7	13.5	15.8	12.8	23.6
Mobile Homes.....	6.9	5.5	16.4	13.9	29.4
Ownership of Housing Unit					
Owned	78.1	65.8	8.2	7.5	13.9
Single-Family Detached.....	64.1	53.9	7.9	7.4	12.8
Single-Family Attached.....	4.2	3.6	8.2	7.6	12.7
Apartments in 2-4 Unit Buildings.....	1.8	1.7	12.2	8.6	17.3
Apartments in 5 or More Unit Buildings.....	2.3	1.9	9.6	8.6	Q
Mobile Homes.....	5.7	4.7	15.8	13.4	28.5
Rented	33.0	25.7	15.3	12.5	20.9
Single-Family Detached.....	8.0	6.3	12.0	10.4	15.0
Single-Family Attached.....	3.4	2.5	13.1	10.6	21.4
Apartments in 2-4 Unit Buildings.....	5.9	4.4	19.6	15.7	25.0
Apartments in 5 or More Unit Buildings.....	14.4	11.7	17.6	14.3	23.9
Mobile Homes.....	1.2	0.8	21.6	17.7	34.1
Year of Construction					
Before 1940.....	14.7	10.6	9.7	6.5	15.1
1940 to 1949.....	7.4	5.5	11.1	9.0	16.5
1950 to 1959.....	12.5	10.3	9.4	7.9	14.6
1960 to 1969.....	12.5	10.3	9.1	7.9	17.6
1970 to 1979.....	18.9	15.3	9.7	8.5	18.1
1980 to 1989.....	18.6	15.6	9.4	8.6	20.7
1990 to 1999.....	17.3	15.3	8.2	7.9	14.7
2000 to 2005.....	9.2	8.6	7.8	7.5	12.2

Table AC11. Expenditures Intensity by Equipment Type, 2005
Air-Conditioning Intensity

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Type of Air-Conditioning Equipment [cents/(CDD*(CSF/1000))]		
			Any Air-Conditioning	Central System ⁵	Window/Wall Units ⁶
Household Size					
1 Person.....	30.0	24.0	8.5	7.1	14.7
2 Persons.....	34.8	29.1	9.0	8.2	15.3
3 Persons.....	18.4	15.5	9.4	8.1	17.7
4 Persons.....	15.9	13.2	8.9	8.0	15.4
5 Persons.....	7.9	6.7	9.7	8.6	20.0
6 or More Persons.....	4.1	3.0	12.0	10.0	21.4
2005 Household Income Category					
Less than \$10,000.....	9.9	7.5	12.7	10.5	16.4
\$10,000 to \$14,999.....	8.5	6.6	12.2	9.3	19.0
\$15,000 to \$19,999.....	8.4	6.9	10.6	7.9	22.1
\$20,000 to \$29,999.....	15.1	12.3	10.4	8.5	20.0
\$30,000 to \$39,999.....	13.6	11.2	9.7	8.7	16.0
\$40,000 to \$49,999.....	11.0	9.3	8.5	7.7	12.7
\$50,000 to \$74,999.....	19.8	16.7	9.2	8.4	14.5
\$75,000 to \$99,999.....	10.6	9.0	8.1	7.5	13.1
\$100,000 or More.....	14.2	12.0	7.9	7.5	14.9
Income Relative to Poverty Line					
Below 100 Percent.....	16.6	12.5	13.5	10.4	19.8
100 to 150 Percent.....	12.9	10.5	11.3	9.4	19.2
Above 150 Percent.....	81.5	68.4	8.6	7.8	14.6
Eligible for Federal Assistance²					
Yes.....	38.6	30.3	11.3	9.0	19.2
No.....	72.5	61.2	8.5	7.8	14.1
Payment Method for Utilities					
All Paid by Household.....	97.5	81.3	8.7	7.9	14.8
Some Paid, Some in Rent.....	7.6	5.7	16.0	10.3	26.4
All Included in Rent.....	4.7	3.3	16.6	13.6	24.0
Other Method.....	1.3	1.1	19.2	16.3	23.1

Table AC11. Expenditures Intensity by Equipment Type, 2005
Air-Conditioning Intensity

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Type of Air-Conditioning Equipment [cents/(CDD*(CSF/1000))]		
			Any Air-Conditioning	Central System ⁵	Window/Wall Units ⁶
Ethnic Origin of Householder					
Hispanic Descent.....	14.8	10.7	12.7	10.4	21.3
Non-Hispanic Descent.....	96.3	80.7	8.8	7.8	15.2
Race of Householder³					
White.....	79.1	66.3	8.7	7.8	14.8
Hispanic.....	5.0	3.4	11.4	9.8	20.0
Non-Hispanic.....	74.1	62.9	8.6	7.7	14.5
Black.....	13.4	11.5	9.8	8.3	17.3
Hispanic.....	0.3	0.2	10.1	Q	Q
Non-Hispanic.....	13.1	11.2	9.8	8.3	17.6
Asian.....	3.3	2.1	10.4	9.4	14.5
Multi-Racial.....	1.3	1.0	10.7	9.6	11.5
Other.....	7.1	5.4	10.5	9.0	19.2
Undetermined (Race Reported as Hispanic).....	6.9	5.2	14.6	11.2	24.3
Age of Householder					
Under 25 Years.....	5.5	4.6	14.9	11.8	22.5
25 to 34 Years.....	18.2	15.2	10.6	9.1	18.1
35 to 44 Years.....	22.2	18.0	9.7	8.6	18.3
45 to 54 Years.....	23.3	19.3	8.8	7.9	15.9
55 to 64 Years.....	18.0	14.5	8.5	7.7	15.0
65 to 74 Years.....	12.3	10.0	7.2	6.5	13.3
75 Years or More.....	11.7	9.9	8.0	6.9	12.3
Adults Age 65 or Older in Household					
Yes.....	26.9	22.1	8.0	7.0	14.2
No.....	84.2	69.3	9.4	8.3	17.1
Children Under Age 5 in Household					
Yes.....	15.0	12.6	10.4	9.0	19.3
No.....	96.1	78.8	8.9	7.9	15.8
Children Age 5 to 16 in Household					
Yes.....	28.1	23.1	9.4	8.2	20.9
No.....	83.0	68.3	9.0	8.0	14.8

Table AC11. Expenditures Intensity by Equipment Type, 2005
Air-Conditioning Intensity

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Type of Air-Conditioning Equipment [cents/(CDD*(CSF/1000))]		
			Any Air-Conditioning	Central System ⁵	Window/Wall Units ⁶
Age of Central Air-Conditioner					
Used by One Housing Unit					
Less than 2 Years.....	9.0	8.9	7.9	7.9	N
2 to 4 Years.....	11.0	10.9	8.1	8.1	N
5 to 9 Years.....	16.3	16.1	7.9	7.9	N
10 to 19 Years.....	16.8	16.4	7.8	7.8	N
20 Years or More.....	6.5	6.1	8.2	8.2	N
Don't Know.....	4.5	4.4	9.1	9.1	N
Used by Two or More Housing Units					
Less than 2 Years.....	Q	Q	Q	Q	N
2 to 4 Years.....	Q	Q	Q	Q	N
5 to 9 Years.....	0.3	0.3	11.5	11.5	N
10 to 19 Years.....	0.3	Q	Q	Q	N
20 Years or More.....	0.3	Q	Q	Q	N
Don't Know.....	0.7	0.7	12.6	12.6	N
Age of Most-Used Window/Wall Unit					
Less than 2 Years.....	6.4	6.3	17.1	Q	17.0
2 to 4 Years.....	7.8	7.7	17.9	16.3	18.0
5 to 9 Years.....	7.0	6.9	14.1	10.2	14.5
10 to 19 Years.....	3.7	3.6	13.6	Q	13.8
20 Years or More.....	2.1	2.0	14.6	Q	16.5
Don't Know.....	1.8	1.7	20.3	Q	21.4
Cooled Floorspace (Square Feet)					
Fewer than 500.....	37.6	17.9	27.9	27.4	27.3
500 to 999.....	19.9	19.9	16.6	16.8	15.9
1,000 to 1,499.....	14.3	14.3	12.3	12.5	10.9
1,500 to 1,999.....	9.9	9.9	10.1	10.2	9.0
2,000 to 2,499.....	7.5	7.5	8.7	8.8	6.6
2,500 to 2,999.....	6.1	6.1	7.5	7.6	4.7
3,000 or 3,499.....	4.3	4.3	6.2	6.2	Q
3,500 to 3,999.....	2.9	2.9	6.3	6.3	Q
4,000 or More.....	8.7	8.7	5.0	5.0	Q

Table AC11. Expenditures Intensity by Equipment Type, 2005
Air-Conditioning Intensity

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Type of Air-Conditioning Equipment [cents/(CDD*(CSF/1000))]		
			Any Air-Conditioning	Central System ⁵	Window/Wall Units ⁶
Proportion of Rooms Air-Conditioned⁴					
None.....	1.4	N	N	N	N
Some, But Not all of the Rooms.....	8.4	8.4	11.8	11.8	N
All of the Rooms.....	56.1	56.1	7.8	7.8	N
Frequency of Central Air-Conditioner Use					
Never.....	1.4	N	N	N	N
Only a Few Times When Needed.....	11.4	11.4	4.4	4.4	N
Quite a Bit.....	12.6	12.6	6.8	6.8	N
All Summer.....	40.5	40.5	8.7	8.7	N
Frequency of Most Used Window/Wall Unit					
Never.....	0.6	Q	Q	Q	N
Only a Few Times When Needed.....	12.1	12.1	10.4	8.5	10.4
Quite a Bit.....	7.5	7.5	13.9	11.7	13.8
All Summer.....	8.6	8.6	23.0	Q	23.0
Weekday Home Activities					
Home Used for Business					
Yes.....	8.9	7.5	8.4	7.8	14.0
No.....	102.2	83.9	9.2	8.1	16.4
Energy-Intensive Activity					
Yes.....	2.2	1.6	9.8	8.6	18.6
No.....	108.9	89.8	9.1	8.0	16.3
Someone Home All Day					
Yes.....	56.4	46.4	9.3	8.2	15.7
No.....	54.7	45.0	8.9	7.9	17.0
Adequacy of Insulation					
Well Insulated.....	42.8	37.2	8.3	7.6	14.3
Adequately Insulated.....	46.3	37.9	9.2	8.1	16.9
Poorly Insulated.....	19.0	14.1	11.9	9.9	16.6
No Insulation.....	1.4	0.8	17.5	Q	23.7
Don't Know.....	1.7	1.4	13.3	10.3	26.7

Table AC11. Expenditures Intensity by Equipment Type, 2005
Air-Conditioning Intensity

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Type of Air-Conditioning Equipment [cents/(CDD*(CSF/1000))]		
			Any Air-Conditioning	Central System ⁵	Window/Wall Units ⁶
Home is Too Drafty During the Winter					
Never.....	62.9	53.8	8.6	7.9	14.9
Some of the Time.....	32.4	25.8	9.4	8.0	16.7
Most of the Time.....	6.1	4.3	10.4	8.5	17.1
All of the Time.....	5.6	4.0	13.0	10.6	18.6
Don't Know.....	4.1	3.5	11.8	9.7	21.0
Unusually High Ceilings					
Yes.....	27.2	23.3	7.9	7.4	14.1
No.....	76.9	62.6	9.5	8.2	16.1
Not Asked (Mobile Homes).....	6.9	5.5	16.4	13.9	29.4
Cathedral Ceilings (In Housing Units with High Ceilings)					
Yes.....	17.1	14.5	7.8	7.5	15.6
No.....	10.1	8.7	8.0	7.3	13.3
Type of Glass in Windows					
Single-pane Glass.....	50.7	41.2	10.8	9.3	16.7
Double-pane Glass					
Without Low-e Coating.....	50.6	42.1	8.6	7.7	15.9
With Low-e Coating.....	8.0	6.7	7.6	7.1	14.5
Triple-pane Glass					
Without Low-e Coating.....	1.0	0.9	6.7	6.3	Q
With Low-e Coating.....	0.3	0.3	5.5	Q	Q
Proportion of Original Windows Replaced					
All.....	22.4	18.1	9.0	7.7	15.4
Some.....	21.6	16.9	8.9	7.7	15.4
None.....	62.3	52.7	9.1	8.2	16.8
Don't Know.....	4.7	3.7	12.7	10.1	23.4

Table AC11. Expenditures Intensity by Equipment Type, 2005
Air-Conditioning Intensity

	U.S. Households (millions)	Total U.S. Using Any Air-Conditioning Equipment (millions)	Type of Air-Conditioning Equipment [cents/(CDD*(CSF/1000))]		
			Any Air-Conditioning	Central System ⁵	Window/Wall Units ⁶
Thermostats					
Do Not Have a Thermostat	15.3	10.4	14.7	9.0	20.4
Have a Thermostat	95.8	81.0	8.9	8.0	14.7
1.....	84.5	71.3	9.0	8.1	15.1
2 or More.....	11.3	9.8	8.6	7.5	13.1
Have a Programmable Thermostat					
Yes.....	33.1	28.7	8.3	7.8	13.3
No.....	62.7	52.3	9.4	8.2	15.2
Use of Programmable Thermostats					
Reduces Temperature During Day					
Yes.....	18.6	16.3	8.2	7.7	12.5
No.....	14.5	12.4	8.4	8.0	14.5
Reduces Temperature at Night					
Yes.....	21.5	18.6	8.2	7.8	12.6
No.....	11.6	10.1	8.4	8.0	14.4

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 Only applies to households using central air-conditioning.

5 In the 2005 RECS, 1.5 million housing units reported having both central and window/wall air conditioners. They are included in this column.

6 In the 2005 RECS, 1.5 million housing units reported having both central and window/wall air conditioners. They are not included in this column.

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.