

**Table CE3-6.2u. Electric Air-Conditioning Energy Consumption and Expenditures by Square Feet and Usage Indicators, 2001**

Usage Indicators	Electric Air-Conditioning Energy								RSE Row Factors
	Households (million)	Total <sup>a</sup>		Per Household <sup>a</sup>			Per Square Feet <sup>a</sup>		
		Consumption (quadrillion Btu)	Expenditures (billion dollars)	Consumption (million Btu)	Expenditures (dollars)	Cooled Square Feet	Consumption (1000 Btu)	Expenditures (dollars)	
RSE Column Factor:	1.0	1.4	1.4	0.9	1.0	0.6	0.9	1.0	
<b>Total Households Using Air-Conditioning<sup>1</sup></b> .....	80.8	0.62	15.94	7.7	197	1,724	4.5	0.11	2.4
<b>Central Air-Conditioning<sup>2</sup></b>									
Have Equipment <sup>3</sup> .....	57.5	0.55	13.81	9.5	240	2,032	4.7	0.12	2.6
Use of Equipment									
Only a Few Times .....	16.8	0.07	1.82	4.0	109	1,933	2.0	0.06	4.2
Quite a Bit .....	12.1	0.11	2.93	9.4	242	2,049	4.6	0.12	4.6
All Summer .....	28.4	0.37	9.03	12.9	318	2,092	6.2	0.15	3.3
<b>Room Air-Conditioning</b>									
Have Equipment .....	23.3	0.08	2.13	3.2	91	967	3.4	0.09	3.9
Use of Equipment									
Only a Few Times .....	13.6	0.02	0.76	1.8	56	911	2.0	0.06	4.1
Quite a Bit .....	5.0	0.02	0.48	3.5	97	1,062	3.3	0.09	6.7
All Summer .....	4.7	0.03	0.89	7.1	187	1,026	6.9	0.18	6.7
<b>Weekday Home Activities</b>									
<b>Home Used for Business</b>									
Yes .....	5.9	0.05	1.35	8.9	226	2,179	4.1	0.10	8.2
No/Don't Know .....	74.8	0.57	14.60	7.6	195	1,688	4.5	0.12	2.6
<b>Energy-Intensive Activity</b>									
Yes .....	1.3	0.01	0.26	7.5	199	2,163	3.5	0.09	16.8
No/Don't Know .....	79.5	0.61	15.69	7.7	197	1,717	4.5	0.11	2.4
<b>Someone Home All Day</b>									
Yes .....	39.9	0.30	7.78	7.6	195	1,789	4.3	0.11	3.5
No/Don't Know .....	40.8	0.32	8.16	7.8	200	1,662	4.7	0.12	2.7
<b>Cooled Floorspace Category (square feet)</b>									
Fewer than 500 .....	9.2	0.02	0.63	2.4	69	338	7.2	0.20	6.3
500 to 999 .....	17.4	0.09	2.32	5.1	134	763	6.7	0.18	4.4
1,000 to 1,499 .....	17.2	0.13	3.26	7.4	189	1,234	6.0	0.15	4.2
1,500 to 1,999 .....	12.0	0.10	2.65	8.6	221	1,741	4.9	0.13	5.2
2,000 to 2,499 .....	8.5	0.08	1.99	9.5	235	2,223	4.3	0.11	5.6
2,500 to 2,999 .....	5.6	0.05	1.35	9.6	241	2,741	3.5	0.09	10.0
3,000 to 3,499 .....	3.7	0.04	1.10	11.8	298	3,237	3.6	0.09	6.6
3,500 to 3,999 .....	2.2	0.03	0.80	14.0	364	3,700	3.8	0.10	16.4
4,000 or More .....	5.0	0.07	1.84	14.7	366	5,280	2.8	0.07	6.3
<b>Year of Construction</b>									
1939 or Before .....	11.9	0.06	1.47	4.7	123	1,463	3.2	0.08	5.5
1940 to 1949 .....	5.2	0.03	0.83	6.2	160	1,432	4.3	0.11	9.4
1950 to 1959 .....	10.2	0.07	1.75	6.7	172	1,667	4.0	0.10	5.7
1960 to 1969 .....	10.1	0.07	1.84	6.9	181	1,616	4.2	0.11	6.5
1970 to 1979 .....	14.2	0.13	3.17	8.9	224	1,562	5.7	0.14	5.6
1980 to 1989 .....	15.8	0.14	3.56	9.0	225	1,785	5.0	0.13	5.6
1990 to 1999 .....	12.6	0.12	3.12	9.8	248	2,245	4.3	0.11	9.3
2000 to 2001 <sup>4</sup> .....	0.8	0.01	0.21	9.3	256	3,111	3.0	0.08	20.7
<b>Housing Unit Type and Number of Bedrooms</b>									
<b>Mobile Homes</b> .....	5.1	0.04	0.88	7.4	171	958	7.7	0.18	10.3
Less than 3 Bedrooms .....	2.7	0.02	0.40	6.0	145	722	8.3	0.20	11.4
3 or More Bedrooms .....	2.4	0.02	0.48	8.9	201	1,228	7.3	0.16	12.2

See footnotes at end of table.

**Table CE3-6.2u. Electric Air-Conditioning Energy Consumption and Expenditures by Square Feet and Usage Indicators, 2001 (Continued)**

Usage Indicators	Electric Air-Conditioning Energy								RSE Row Factors
	Households (million)	Total <sup>a</sup>		Per Household <sup>a</sup>			Per Square Feet <sup>a</sup>		
		Consumption (quadrillion Btu)	Expenditures (billion dollars)	Consumption (million Btu)	Expenditures (dollars)	Cooled Square Feet	Consumption (1000 Btu)	Expenditures (dollars)	
	RSE Column Factor:	1.0	1.4	1.4	0.9	1.0	0.6	0.9	
<b>Single-Family Detached</b> ....	49.3	0.45	11.29	9.1	229	2,078	4.4	0.11	3.0
Less than 3 Bedrooms .....	8.8	0.05	1.35	6.0	153	1,408	4.3	0.11	5.1
3 Bedrooms .....	27.0	0.22	5.56	8.3	206	1,932	4.3	0.11	4.0
4 Bedrooms .....	11.2	0.14	3.58	12.6	321	2,694	4.7	0.12	5.6
5 or More Bedrooms .....	2.3	0.03	0.80	13.3	349	3,390	3.9	0.10	13.8
<b>Single-Family Attached</b> ....	8.3	0.05	1.41	6.4	171	1,957	3.3	0.09	9.5
Less than 3 Bedrooms .....	2.9	0.01	0.36	4.7	126	1,355	3.5	0.09	11.9
3 Bedrooms .....	3.6	0.02	0.66	6.7	183	2,036	3.3	0.09	11.0
4 or More Bedrooms .....	1.8	0.01	0.38	8.5	218	2,777	3.1	0.08	16.6
<b>Apartments in Buildings</b>									
<b>With 2 to 4 Units</b> .....	6.3	0.03	0.85	5.0	135	1,029	4.9	0.13	8.9
Less than 2 Bedrooms .....	1.6	0.01	0.15	3.4	93	716	4.8	0.13	13.9
2 Bedrooms .....	3.6	0.02	0.53	5.7	147	1,082	5.2	0.14	10.3
3 or More Bedrooms .....	1.1	0.01	0.18	5.4	157	1,305	4.1	0.12	23.7
<b>With 5 or More Units</b> .....	11.8	0.05	1.51	4.6	128	787	5.9	0.16	8.8
Less than 2 Bedrooms .....	5.6	0.02	0.53	3.4	95	597	5.7	0.16	9.2
2 Bedrooms .....	5.2	0.03	0.73	5.0	141	907	5.5	0.16	12.8
3 or More Bedrooms .....	1.0	0.01	0.24	9.4	248	1,229	7.6	0.20	17.7

<sup>1</sup> The number of households, where the end use is electric air-conditioning, does **not** include households that did not use their equipment (2.1 million).

<sup>2</sup> The 2001 RECS reported 800,000 households having both central air-conditioning and room/wall air-conditioners, with 600,000 households using both central air-conditioning and 200,000 households using only room/wall air-conditioners. These room/wall air-conditioners are not included in the count of 23.3 million households using room/wall air-conditioners. Note: This applies to all occurrences of central air-conditioning.

<sup>3</sup> If a household has both a central and room air-conditioner then the usage and age of the equipment is presented only for the central unit.

<sup>4</sup> New construction for 2001 includes only those housing units built and occupied between January and the April-August period when the household interviews were conducted.

<sup>a</sup> The column factor in this section is underestimated because it contains no error for estimating the end-use.

Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding column and row factors. • 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 2001 Residential Energy Consumption Survey.