

Table CE3-1e. Electric Air-Conditioning Energy Expenditures in U.S. Households by Climate Zone, 2001

	Climate Zone ¹						RSE Row Factors
	Total	Fewer than 2,000 CDD and --				2,000 CDD or More and Fewer than 4,000 HDD	
		More than 7,000 HDD	5,500 to 7,000 HDD	4,000 to 5,499 HDD	Fewer than 4,000 HDD		
		0.5	1.6	1.0	0.9		
RSE Column Factor:							
Million Households							
Total U.S. Households	107.0	9.2	28.6	24.0	21.0	24.1	8.1
No/Don't Use Air-Conditioning	26.2	4.0	8.1	4.2	7.6	2.3	11.3
Electric Air-Conditioning ²	80.8	5.3	20.5	19.9	13.4	21.8	8.2
Central Air-Conditioning ³	57.5	3.1	12.9	12.7	10.5	18.2	9.2
Room/Wall Air-Conditioning	23.3	2.2	7.6	7.2	2.9	3.6	11.3
Billion Dollars^a							
Electric Air-Conditioning Expenditures							
Total	15.94	0.45	2.19	2.85	2.68	7.78	9.7
Central Air-Conditioning	13.81	0.34	1.72	2.14	2.39	7.22	10.2
Room/Wall Air-Conditioning	2.13	0.12	0.47	0.70	0.29	0.56	13.4
Dollars per Household^{4,a}							
Electric Air-Conditioning Expenditures per Household							
Electric Air-Conditioning	197	86	107	143	200	357	4.7
Central Air-Conditioning	240	108	133	168	228	397	4.4
Room/Wall Air-Conditioning	91	54	62	98	100	156	7.2
2001 Cooling Degree-Days (CDD) per Household⁴							
2001 Cooling Degree-Days per Household							
Total U.S. Households	1,407	665	777	1,147	1,236	2,852	3.8
No/Don't Use Air-Conditioning	883	603	639	860	738	2,752	8.2
Electric Air-Conditioning	1,578	712	832	1,207	1,520	2,863	3.0
Central Air-Conditioning	1,701	732	848	1,221	1,561	2,887	3.2
Room/Wall Air-Conditioning	1,274	681	804	1,181	1,368	2,742	3.4
Cooled Square Footage (CSF) per Household⁴							
Cooled Square Footage per Household							
Electric Air-Conditioning	1,724	1,867	1,863	1,697	1,732	1,579	4.1
Central Air-Conditioning	2,032	2,405	2,336	2,101	1,989	1,729	4.1
Room/Wall Air-Conditioning	967	1,090	1,058	981	790	811	6.2

See footnotes at end of table.

Table CE3-1e. Electric Air-Conditioning Energy Expenditures in U.S. Households by Climate Zone, 2001 (Continued)

	Total	Climate Zone ¹					RSE Row Factors
		Fewer than 2,000 CDD and --				2,000 CDD or More and Fewer than 4,000 HDD	
		More than 7,000 HDD	5,500 to 7,000 HDD	4,000 to 5,499 HDD	Fewer than 4,000 HDD		
RSE Column Factor:	0.5	1.6	1.0	0.9	1.5	1.0	
Air-Conditioning Intensity^{4,a} [Cents÷{CDD×(CSF÷1000)}]							
Air-Conditioning Intensity							
Electric Air-Conditioning	7.26	6.48	6.89	6.99	7.61	7.90	3.2
Central Air-Conditioning	6.96	6.13	6.73	6.57	7.33	7.94	3.3
Room/Wall Air-Conditioning	7.42	7.33	7.25	8.48	9.23	7.04	6.5

¹ One of five climatically distinct areas, determined according to the 30-year average (1961-1990) of the annual heating and cooling degree-days. For this report, the heating or cooling degree-days are a measure of how cold or how hot a location is over a period of one year, relative to a base temperature of 65 degrees Fahrenheit. A household is assigned to a climate zone according to the 30-year average annual degree-days for an appropriate nearby weather station.

² 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).

³ 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.

⁴ Averages are for those households using any electric air-conditioning, central air-conditioning, or room/wall air-conditioning, as applicable.

^a The row 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.