

Table CE3-8c. Electric Air-Conditioning Energy Consumption in U.S. Households by Urban/Rural Location, 2001

	Total	Urban/Rural Location ¹				RSE Row Factors
		City	Town	Suburbs	Rural	
RSE Column Factor:	0.6	0.8	1.3	1.3	1.3	
Million Households						
Total U.S. Households	107.0	49.9	18.0	21.2	17.9	4.2
No/Don't Use Air-Conditioning	26.2	14.3	4.6	2.7	4.6	7.8
Electric Air-Conditioning ²	80.8	35.6	13.4	18.6	13.3	4.3
Central Air-Conditioning ³	57.5	23.6	8.6	15.8	9.4	5.1
Room/Wall Air-Conditioning	23.3	12.0	4.8	2.7	3.9	7.4
Quadrillion Btu^a						
Electric Air-Conditioning Btu Consumption						
Total	0.62	0.26	0.09	0.17	0.11	5.9
Central Air-Conditioning	0.55	0.22	0.07	0.16	0.09	6.3
Room/Wall Air-Conditioning	0.08	0.04	0.02	0.01	0.01	9.7
Billion kWh^a						
Electric Air-Conditioning kWh Consumption						
Total	183	76	25	50	31	5.9
Central Air-Conditioning	161	65	20	48	27	6.3
Room/Wall Air-Conditioning	22	11	5	2	4	9.7
Million Btu per Household^{4,a}						
Electric Air-Conditioning Btu Consumption per Household						
Electric Air-Conditioning	7.7	7.3	6.4	9.3	8.0	4.0
Central Air-Conditioning	9.5	9.4	8.1	10.4	9.8	4.0
Room/Wall Air-Conditioning	3.2	3.1	3.5	2.7	3.6	6.4
kWh per Household^{4,a}						
Electric Air-Conditioning kWh Consumption per Household						
Electric Air-Conditioning	2,263	2,143	1,884	2,713	2,335	4.0
Central Air-Conditioning	2,796	2,762	2,363	3,041	2,864	4.0
Room/Wall Air-Conditioning	950	921	1,018	797	1,061	6.4
2001 Cooling Degree-Days (CDD) per Household⁴						
2001 Cooling Degree-Days per Household						
Total U.S. Households	1,407	1,482	1,234	1,489	1,277	3.2
No/Don't Use Air-Conditioning	883	908	852	800	885	6.9
Electric Air-Conditioning	1,578	1,713	1,366	1,588	1,413	3.3
Central Air-Conditioning	1,701	1,890	1,494	1,648	1,504	3.6
Room/Wall Air-Conditioning	1,274	1,364	1,134	1,240	1,195	4.8

See footnotes at end of table.

Table CE3-8c. Electric Air-Conditioning Energy Consumption in U.S. Households by Urban/Rural Location, 2001 (Continued)

	Total	Urban/Rural Location ¹				RSE Row Factors
		City	Town	Suburbs	Rural	
RSE Column Factor:	0.6	0.8	1.3	1.3	1.3	
Cooled Square Footage (CSF) per Household⁴						
Cooled Square Footage per Household						
Electric Air-Conditioning	1,724	1,480	1,671	2,144	1,847	3.3
Central Air-Conditioning	2,032	1,771	2,027	2,335	2,182	3.5
Room/Wall Air-Conditioning	967	905	1,026	1,027	1,043	5.5
Air-Conditioning Intensity^{4,a} [kWh÷{CDD×(CSF÷1000)}]						
Air-Conditioning Intensity						
Electric Air-Conditioning	0.83	0.85	0.83	0.80	0.89	2.4
Central Air-Conditioning	0.81	0.83	0.78	0.79	0.87	2.5
Room/Wall Air-Conditioning	0.77	0.75	0.88	0.63	0.85	5.7

¹ Based on the household respondent's description rather than the Federal Government definition.

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.