

Table CE3-2e. Electric Air-Conditioning Energy Expenditures in U.S. Households by Year of Construction, 2001

	Total	Year of Construction						RSE Row Factors
		1990 to 2001 ¹	1980 to 1989	1970 to 1979	1960 to 1969	1950 to 1959	1949 or Before	
RSE Column Factor:	0.5	1.9	1.1	1.1	1.1	1.0	0.8	
Million Households								
Total U.S. Households	107.0	15.5	18.2	18.8	13.8	14.2	26.6	4.2
No/Don't Use Air-Conditioning	26.2	2.1	2.5	4.6	3.6	4.0	9.5	8.7
Electric Air-Conditioning ²	80.8	13.4	15.8	14.2	10.1	10.2	17.1	4.7
Central Air-Conditioning ³	57.5	12.6	13.7	11.0	7.1	6.6	6.4	5.9
Room/Wall Air-Conditioning	23.3	0.8	2.1	3.1	3.1	3.5	10.8	8.7
Billion Dollars^a								
Electric Air-Conditioning Expenditures								
Total	15.94	3.33	3.56	3.17	1.84	1.75	2.30	7.2
Central Air-Conditioning	13.81	3.26	3.41	2.94	1.52	1.38	1.30	8.3
Room/Wall Air-Conditioning	2.13	0.07	0.15	0.23	0.31	0.37	1.00	11.6
Dollars per Household^{4,a}								
Electric Air-Conditioning Expenditures per Household								
Electric Air-Conditioning	197	249	225	224	181	172	134	5.4
Central Air-Conditioning	240	259	248	266	215	208	204	5.9
Room/Wall Air-Conditioning	91	84	73	74	103	105	93	8.0
2001 Cooling Degree-Days (CDD) per Household⁴								
2001 Cooling Degree-Days per Household								
Total U.S. Households	1,407	1,455	1,648	1,586	1,376	1,352	1,135	3.4
No/Don't Use Air-Conditioning	883	583	1,032	841	932	971	874	8.2
Electric Air-Conditioning	1,578	1,590	1,744	1,826	1,536	1,502	1,279	3.5
Central Air-Conditioning	1,701	1,608	1,838	1,957	1,606	1,544	1,412	4.1
Room/Wall Air-Conditioning	1,274	1,299	1,114	1,367	1,373	1,422	1,200	6.2
Cooled Square Footage (CSF) per Household⁴								
Cooled Square Footage per Household								
Electric Air-Conditioning	1,724	2,297	1,785	1,562	1,616	1,667	1,454	3.7
Central Air-Conditioning	2,032	2,376	1,937	1,804	1,912	2,012	2,106	3.8
Room/Wall Air-Conditioning	967	1,005	773	714	929	1,013	1,070	6.6

See footnotes at end of table.

Table CE3-2e. Electric Air-Conditioning Energy Expenditures in U.S. Households by Year of Construction, 2001 (Continued)

	Total	Year of Construction						RSE Row Factors
		1990 to 2001 ¹	1980 to 1989	1970 to 1979	1960 to 1969	1950 to 1959	1949 or Before	
RSE Column Factor:	0.5	1.9	1.1	1.1	1.1	1.0	0.8	
Air-Conditioning Intensity^{4,a} [Cents÷(CDD×(CSF÷1000))]								
Air-Conditioning Intensity								
Electric Air-Conditioning	7.26	6.81	7.24	7.84	7.30	6.88	7.22	3.5
Central Air-Conditioning	6.96	6.77	6.97	7.55	6.99	6.69	6.87	3.6
Room/Wall Air-Conditioning	7.42	6.47	8.48	7.53	8.08	7.27	7.25	7.7

¹ 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.

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.