

Table 10.3 Solar Thermal Collector Shipments by Type, Price, and Trade, 1974-2002
(Thousand Square Feet, Except as Noted)

| Year | Low-Temperature Collectors ¹ | | | | Medium-Temperature Collectors ² | | | | High-Temperature Collectors ³ | | Total Shipments ⁴ | | Trade | |
|------|---|------------------|----------------------------|--|--|------------------|----------------------------|--|--|--|------------------------------|--|---------|---------|
| | Number of U.S. Manufacturers | Quantity Shipped | Shipments per Manufacturer | Price ⁵ (dollars per square foot) | Number of U.S. Manufacturers | Quantity Shipped | Shipments per Manufacturer | Price ⁵ (dollars per square foot) | Quantity Shipped | Price ⁵ (dollars per square foot) | Quantity Shipped | Price ⁵ (dollars per square foot) | Imports | Exports |
| 1974 | 6 | 1,137 | 189.5 | NA | 39 | 137 | 3.5 | NA | NA | NA | 1,274 | NA | NA | NA |
| 1975 | 13 | 3,026 | 232.8 | NA | 118 | 717 | 6.1 | NA | NA | NA | 3,743 | NA | NA | NA |
| 1976 | 19 | 3,876 | 204.0 | NA | 203 | 1,925 | 9.5 | NA | NA | NA | 5,801 | NA | NA | NA |
| 1977 | 52 | 4,743 | 91.2 | NA | 297 | 5,569 | 18.8 | NA | NA | NA | 10,312 | NA | NA | NA |
| 1978 | 69 | 5,872 | 85.1 | NA | 204 | 4,988 | 24.5 | NA | NA | NA | 10,860 | NA | 396 | 840 |
| 1979 | 84 | 8,394 | 100.0 | NA | 257 | 5,856 | 22.8 | NA | NA | NA | 14,251 | NA | 290 | 855 |
| 1980 | 79 | 12,233 | 154.8 | NA | 250 | 7,165 | 28.7 | NA | NA | NA | 19,398 | NA | 235 | 1,115 |
| 1981 | 75 | 8,677 | 115.7 | NA | 263 | 11,456 | 43.6 | NA | NA | NA | 21,133 | NA | 196 | 771 |
| 1982 | 61 | 7,476 | 122.6 | NA | 248 | 11,145 | 44.9 | NA | NA | NA | 18,621 | NA | 418 | 455 |
| 1983 | 55 | 4,853 | 88.2 | NA | 179 | 11,975 | 66.9 | NA | NA | NA | 16,828 | NA | 511 | 159 |
| 1984 | 48 | 4,479 | 93.3 | NA | 206 | 11,939 | 58.0 | NA | 773 | NA | 17,191 | NA | 621 | 348 |
| 1985 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1986 | 22 | 3,751 | 170.5 | 2.30 | 87 | 1,111 | 12.8 | 18.30 | 4,498 | NA | 9,360 | 6.14 | 473 | 224 |
| 1987 | 12 | 3,157 | 263.1 | 2.18 | 50 | 957 | 19.1 | 13.50 | 3,155 | NA | 7,269 | 4.82 | 691 | 182 |
| 1988 | 8 | 3,326 | 415.8 | 2.24 | 45 | 732 | 16.2 | 14.88 | 4,116 | NA | 8,174 | 4.56 | 814 | 158 |
| 1989 | 10 | 4,283 | 428.3 | 2.60 | 36 | 1,989 | 55.3 | 11.74 | 5,209 | 17.76 | 11,482 | 10.92 | 1,233 | 461 |
| 1990 | 12 | 3,645 | 303.8 | 2.90 | 41 | 2,527 | 61.6 | 7.68 | 5,237 | 15.74 | 11,409 | 9.86 | 1,562 | 245 |
| 1991 | 16 | 5,585 | 349.0 | 2.90 | 41 | 989 | 24.1 | 11.94 | 1 | 31.94 | 6,574 | 4.26 | 1,543 | 332 |
| 1992 | 16 | 6,187 | 386.7 | 2.50 | 34 | 897 | 26.4 | 10.96 | 2 | 75.66 | 7,086 | 3.58 | 1,650 | 316 |
| 1993 | 13 | 6,025 | 463.5 | 2.80 | 33 | 931 | 28.2 | 11.74 | 12 | 22.12 | 6,968 | 3.96 | 2,039 | 411 |
| 1994 | 16 | 6,823 | 426.0 | 2.54 | 31 | 803 | 26.0 | 13.54 | 2 | 177.00 | 7,627 | 3.74 | 1,815 | 405 |
| 1995 | 14 | 6,813 | 487.0 | 2.32 | 26 | 840 | 32.0 | 10.48 | 13 | 53.26 | 7,666 | 3.30 | 2,037 | 530 |
| 1996 | 14 | 6,821 | 487.0 | 2.67 | 19 | 785 | 41.0 | 14.48 | 10 | 18.75 | 7,616 | 3.91 | 1,930 | 454 |
| 1997 | 13 | 7,524 | 579.0 | 2.60 | 21 | 606 | 29.0 | 15.17 | 7 | 25.00 | 8,138 | 3.56 | 2,102 | 379 |
| 1998 | 12 | 7,292 | 607.0 | 2.83 | 19 | 443 | 23.0 | 15.17 | 21 | 53.21 | 7,756 | 3.66 | 2,206 | 360 |
| 1999 | 13 | 8,152 | 627.0 | 2.08 | 20 | 427 | 21.0 | 19.12 | 4 | 286.49 | 8,583 | 3.05 | 2,352 | 537 |
| 2000 | 11 | 7,948 | 723.0 | 2.09 | 16 | 400 | 25.0 | 23.98 | 5 | 223.26 | 8,354 | 3.28 | 2,201 | 496 |
| 2001 | 10 | 10,919 | 1,092.0 | 2.15 | 17 | 268 | 16.0 | 32.40 | 2 | 107.76 | 11,189 | 2.90 | 3,502 | 840 |
| 2002 | 12 | 11,046 | 921.0 | 1.97 | 18 | 615 | 34.0 | 18.63 | 2 | 22.50 | 11,663 | 2.85 | 3,068 | 659 |

¹ Low-temperature collectors are solar thermal collectors that generally operate at temperatures below 110° F.

² Medium-temperature collectors are solar thermal collectors that generally operate in the temperature range of 140° F to 180° F but can also operate at temperatures as low as 110° F. Special collectors are included in this category. Special collectors are evacuated tube collectors or concentrating (focusing) collectors. They operate in the temperature range from just above ambient temperature (low concentration for pool heating) to several hundred degrees Fahrenheit (high concentration for air conditioning and specialized industrial processes).

³ High-temperature collectors are solar thermal collectors that generally operate at temperatures above 180° F.

⁴ Total shipments as reported by respondents include all domestic and export shipments and may

include imports that subsequently were shipped to domestic or to foreign customers.

⁵ Prices, in nominal dollars, equal shipment value divided by quantity shipped. Value includes charges for advertising and warranties. Excluded are excise taxes and the cost of freight or transportation for the shipments.

NA=Not available.

Notes: • Manufacturers producing more than one type of collector are accounted for in both groups. • No data are available for 1985. • High-temperature collector shipments were dominated by one manufacturer.

Web Page: For related information, see <http://www.eia.doe.gov/fuelrenewable.html>.

Sources: • 1974-1992—Energy Information Administration (EIA), *Solar Collector Manufacturing Activity*, annual reports. • 1993 forward—EIA, *Renewable Energy Annual*, annual reports.