

**Table 10.7 Solar Thermal Collector Shipments by Market Sector, End Use, and Type, 2001-2009**  
(Thousand Square Feet)

Year and Type	By Market Sector					By End Use							Total
	Residential	Commercial <sup>1</sup>	Industrial <sup>2</sup>	Electric Power <sup>3</sup>	Other <sup>4</sup>	Pool Heating	Water Heating	Space Heating	Space Cooling	Combined Heating <sup>5</sup>	Process Heating	Electricity Generation	
<b>Total Shipments <sup>6</sup></b>													
<b>2001 Total</b> ....	<b>10,125</b>	<b>1,012</b>	<b>17</b>	<b>1</b>	<b>35</b>	<b>10,797</b>	<b>274</b>	<b>70</b>	<b>0</b>	<b>12</b>	<b>34</b>	<b>2</b>	<b>11,189</b>
Low <sup>7</sup> .....	9,885	987	12	0	34	10,782	42	61	0	0	34	0	10,919
Medium <sup>8</sup> .....	240	24	5	0	1	16	232	9	0	12	0	0	268
High <sup>9</sup> .....	0	1	0	1	0	0	0	0	0	0	0	2	2
<b>2002 Total</b> ....	<b>11,000</b>	<b>595</b>	<b>62</b>	<b>4</b>	<b>1</b>	<b>11,073</b>	<b>423</b>	<b>146</b>	<b>(s)</b>	<b>17</b>	<b>4</b>	<b>0</b>	<b>11,663</b>
Low <sup>7</sup> .....	10,519	524	2	0	0	11,045	1	0	0	0	0	0	11,046
Medium <sup>8</sup> .....	481	69	60	4	1	28	422	146	(s)	15	4	0	615
High <sup>9</sup> .....	0	2	0	0	0	0	0	0	0	2	0	0	2
<b>2003 Total</b> ....	<b>10,506</b>	<b>864</b>	<b>71</b>	<b>0</b>	<b>2</b>	<b>10,800</b>	<b>511</b>	<b>76</b>	<b>(s)</b>	<b>23</b>	<b>34</b>	<b>0</b>	<b>11,444</b>
Low <sup>7</sup> .....	9,993	813	71	0	0	10,778	0	65	0	0	34	0	10,877
Medium <sup>8</sup> .....	513	44	0	0	2	22	511	11	(s)	16	0	0	560
High <sup>9</sup> .....	0	7	0	0	0	0	0	0	0	7	0	0	7
<b>2004 Total</b> ....	<b>12,864</b>	<b>1,178</b>	<b>70</b>	<b>0</b>	<b>3</b>	<b>13,634</b>	<b>452</b>	<b>13</b>	<b>0</b>	<b>16</b>	<b>0</b>	<b>0</b>	<b>14,115</b>
Low <sup>7</sup> .....	12,386	1,178	44	0	0	13,600	0	8	0	0	0	0	13,608
Medium <sup>8</sup> .....	478	0	26	0	3	33	452	5	0	16	0	0	506
High <sup>9</sup> .....	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>2005 Total</b> ....	<b>14,681</b>	<b>1,160</b>	<b>31</b>	<b>114</b>	<b>56</b>	<b>15,041</b>	<b>640</b>	<b>228</b>	<b>2</b>	<b>16</b>	<b>0</b>	<b>114</b>	<b>16,041</b>
Low <sup>7</sup> .....	14,045	1,099	30	0	50	15,022	12	190	0	0	0	0	15,224
Medium <sup>8</sup> .....	636	58	1	0	6	20	628	38	0	16	0	0	702
High <sup>9</sup> .....	0	2	0	114	0	0	0	0	2	0	0	114	115
<b>2006 Total</b> ....	<b>15,123</b>	<b>1,626</b>	<b>42</b>	<b>3,845</b>	<b>107</b>	<b>15,362</b>	<b>1,136</b>	<b>330</b>	<b>3</b>	<b>66</b>	<b>0</b>	<b>3,847</b>	<b>20,744</b>
Low <sup>7</sup> .....	13,906	1,500	40	0	100	15,225	10	290	0	21	0	0	15,546
Medium <sup>8</sup> .....	1,217	120	2	0	7	137	1,126	40	3	38	0	2	1,346
High <sup>9</sup> .....	0	7	0	3,845	0	0	0	0	0	7	0	3,845	3,852
<b>Domestic Shipments <sup>6</sup></b>													
<b>2007 Total</b> ....	<b>12,799</b>	<b>931</b>	<b>46</b>	<b>1</b>	<b>-</b>	<b>12,076</b>	<b>1,393</b>	<b>189</b>	<b>13</b>	<b>73</b>	<b>27</b>	<b>6</b>	<b>13,777</b>
Low <sup>7</sup> .....	11,352	633	-	1	-	11,917	4	63	-	-	-	1	11,986
Medium <sup>8</sup> .....	1,447	298	18	-	-	158	1,389	126	13	73	-	5	1,764
High <sup>9</sup> .....	-	(s)	27	-	-	-	(s)	-	-	-	27	-	27
<b>2008 Total</b> ....	<b>13,000</b>	<b>1,294</b>	<b>128</b>	<b>294</b>	<b>-</b>	<b>11,973</b>	<b>1,978</b>	<b>186</b>	<b>18</b>	<b>148</b>	<b>50</b>	<b>361</b>	<b>14,716</b>
Low <sup>7</sup> .....	10,983	918	-	-	-	11,880	8	10	-	2	-	-	11,900
Medium <sup>8</sup> .....	2,017	376	33	6	-	93	1,971	176	18	141	21	12	2,432
High <sup>9</sup> .....	-	-	95	289	-	-	-	-	-	5	29	349	383
<b>2009 Total</b> ....	<b>10,239</b>	<b>974</b>	<b>634</b>	<b>374</b>	<b>-</b>	<b>8,934</b>	<b>1,992</b>	<b>150</b>	<b>10</b>	<b>137</b>	<b>608</b>	<b>389</b>	<b>12,221</b>
Low <sup>7</sup> .....	8,423	526	11	-	-	8,882	7	61	-	9	-	-	8,959
Medium <sup>8</sup> .....	1,816	439	29	-	-	52	1,985	89	(s)	128	14	15	2,284
High <sup>9</sup> .....	-	10	594	374	-	-	-	-	10	-	594	374	978

<sup>1</sup> Through 2006, data are for the commercial sector, excluding government, which is included in "Other." Beginning in 2007, data are for the commercial sector, including government.

<sup>2</sup> Through 2006, data are for the industrial sector and independent power producers. Beginning in 2007, data are for the industrial sector only; independent power producers are included in "Electric Power."

<sup>3</sup> Through 2006, data are for electric utilities only; independent power producers are included in "Industrial." Beginning in 2007, data are for electric utilities and independent power producers.

<sup>4</sup> Through 2006, data are for other sectors such as government, including the military, but excluding space applications. Beginning in 2007, data are for the transportation sector.

<sup>5</sup> Combined space and water heating.

<sup>6</sup> Through 2006, data are for domestic and export shipments, and may include imports that subsequently were shipped to domestic or foreign customers. Beginning in 2007, data are for domestic shipments only.

<sup>7</sup> Low-temperature collectors are solar thermal collectors that generally operate at temperatures below 110° F.

<sup>8</sup> 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).

<sup>9</sup> High-temperature collectors are solar thermal collectors that generally operate at temperatures above 180° F. These are parabolic dish/trough collectors used primarily by the electric power sector to generate electricity for the electric grid.

- =No data reported. (s)=Less than 0.5 thousand square feet.

Notes: • Data for this table are not available for 2010. • Totals may not equal sum of components due to independent rounding.

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

Sources: • 2001-2002—U.S. Energy Information Administration (EIA), *Renewable Energy Annual*, annual reports, and Form EIA-63A, "Annual Solar Thermal Collector Manufacturers Survey." • 2003 forward—EIA, *Solar Thermal Collector Manufacturing Activities* (and predecessor reports), annual reports, and Form EIA-63A, "Annual Solar Thermal Collector Manufacturers Survey."