

**Table 10.5 Solar Energy Consumption**  
(Trillion Btu)

	Distributed <sup>a</sup> Solar Energy <sup>b</sup>					Utility-Scale <sup>c</sup> Solar Energy <sup>b</sup>					Total <sup>k</sup>
	Heat <sup>f</sup>	Electricity <sup>d</sup>				Total <sup>g</sup>	Electricity <sup>e</sup>				
		Residential Sector	Commercial Sector	Industrial Sector	Total		Commercial Sector <sup>h</sup>	Industrial Sector <sup>i</sup>	Electric Power Sector <sup>j</sup>	Total	
<b>1985 Total</b> .....	NA	NA	NA	NA	NA	NA	NA	NA	(s)	(s)	(s)
<b>1990 Total</b> .....	55	(s)	(s)	(s)	55	—	—	—	4	4	59
<b>1995 Total</b> .....	63	(s)	(s)	(s)	63	—	—	—	5	5	68
<b>2000 Total</b> .....	57	(s)	1	(s)	58	—	—	—	5	5	63
<b>2001 Total</b> .....	55	(s)	1	(s)	56	—	—	—	6	6	62
<b>2002 Total</b> .....	53	1	1	(s)	54	—	—	—	6	6	60
<b>2003 Total</b> .....	51	1	1	(s)	53	—	—	—	5	5	58
<b>2004 Total</b> .....	50	1	1	(s)	53	—	—	—	6	6	58
<b>2005 Total</b> .....	49	1	2	(s)	52	—	—	—	6	6	58
<b>2006 Total</b> .....	51	2	2	1	56	—	—	—	5	5	61
<b>2007 Total</b> .....	53	2	4	1	59	—	—	—	6	6	65
<b>2008 Total</b> .....	54	4	6	1	65	(s)	—	—	9	9	74
<b>2009 Total</b> .....	55	5	7	2	69	(s)	—	—	9	9	78
<b>2010 Total</b> .....	56	9	11	3	79	(s)	(s)	—	12	12	90
<b>2011 Total</b> .....	58	13	19	4	93	1	(s)	—	17	18	111
<b>2012 Total</b> .....	59	20	30	7	116	1	(s)	—	40	41	157
<b>2013 Total</b> .....	61	31	38	9	139	3	(s)	—	83	86	225
<b>2014 Total</b> .....	62	47	49	11	169	4	(s)	—	165	168	337
<b>2015</b> .....											
January .....	3	3	3	1	7	10	(s)	(s)	11	11	21
February .....	4	3	3	1	8	11	(s)	(s)	14	14	25
March .....	5	5	4	1	11	16	(s)	(s)	19	19	35
April .....	6	6	5	1	12	17	(s)	(s)	22	22	40
May .....	6	6	5	1	13	19	(s)	(s)	23	23	43
June .....	6	6	5	1	13	19	(s)	(s)	23	24	43
July .....	7	7	6	1	14	20	(s)	(s)	24	24	45
August .....	7	7	5	1	14	20	(s)	(s)	25	25	45
September .....	6	6	5	1	12	18	(s)	(s)	20	21	39
October .....	5	6	4	1	11	16	(s)	(s)	17	18	34
November .....	4	5	3	1	9	14	(s)	(s)	16	16	30
December .....	4	4	3	1	9	13	(s)	(s)	14	15	27
<b>Total</b> .....	<b>63</b>	<b>65</b>	<b>53</b>	<b>14</b>	<b>132</b>	<b>194</b>	<b>4</b>	<b>(s)</b>	<b>228</b>	<b>232</b>	<b>426</b>
<b>2016</b> .....											
January .....	3	5	4	1	10	13	(s)	(s)	14	14	27
February .....	4	6	4	1	11	15	(s)	(s)	22	23	38
March .....	5	8	6	1	15	20	(s)	(s)	25	25	45
April .....	6	9	6	2	16	22	(s)	(s)	27	27	50
May .....	6	10	7	2	18	24	1	(s)	33	34	58
June .....	6	10	7	2	19	25	1	(s)	33	34	59
July .....	7	11	7	2	19	26	1	(s)	38	38	64
August .....	7	10	7	2	19	25	1	(s)	36	37	62
September .....	6	9	6	2	17	22	1	(s)	34	34	57
October .....	5	8	5	1	15	20	(s)	(s)	29	30	50
November .....	4	7	4	1	12	16	(s)	(s)	25	25	42
December .....	4	6	4	1	11	15	(s)	(s)	21	21	37
<b>Total</b> .....	<b>63</b>	<b>98</b>	<b>67</b>	<b>17</b>	<b>181</b>	<b>245</b>	<b>5</b>	<b>(s)</b>	<b>337</b>	<b>343</b>	<b>587</b>
<b>2017</b> .....											
January .....	3	6	4	1	12	15	(s)	(s)	20	21	36
February .....	4	7	5	1	14	17	(s)	(s)	24	24	41
March .....	5	11	7	2	19	24	(s)	(s)	41	42	66
April .....	6	12	7	2	21	27	(s)	(s)	44	45	72
May .....	6	13	8	2	23	29	1	(s)	54	54	84
June .....	6	14	8	2	24	30	1	(s)	58	58	88
<b>6-Month Total</b> .....	<b>30</b>	<b>63</b>	<b>38</b>	<b>11</b>	<b>112</b>	<b>143</b>	<b>3</b>	<b>(s)</b>	<b>241</b>	<b>244</b>	<b>386</b>
<b>2016 6-Month Total</b> .....	<b>31</b>	<b>47</b>	<b>33</b>	<b>8</b>	<b>88</b>	<b>119</b>	<b>3</b>	<b>(s)</b>	<b>154</b>	<b>157</b>	<b>276</b>
<b>2015 6-Month Total</b> .....	<b>30</b>	<b>30</b>	<b>26</b>	<b>7</b>	<b>63</b>	<b>93</b>	<b>2</b>	<b>(s)</b>	<b>111</b>	<b>113</b>	<b>206</b>

<sup>a</sup> Data are estimates for distributed (small-scale) facilities (combined generator nameplate capacity less than 1 megawatt).

<sup>b</sup> See "Photovoltaic Energy" and "Solar Thermal Energy" in Glossary.

<sup>c</sup> Data are for utility-scale facilities (combined generator nameplate capacity of 1 megawatt or more).

<sup>d</sup> Solar photovoltaic (PV) electricity generation at distributed (small-scale) facilities connected to the electric power grid (converted to Btu by multiplying by the fossil fuels heat rate factors in Table A6).

<sup>e</sup> Solar photovoltaic (PV) and solar thermal electricity net generation at utility-scale facilities (converted to Btu by multiplying by the fossil fuels heat rate factors in Table A6).

<sup>f</sup> Solar thermal direct use energy in the residential, commercial, and industrial sectors for all end uses, such as pool heating, hot water heating, and space heating.

<sup>g</sup> Data are the sum of "Distributed Solar Energy Heat" and "Distributed Solar Energy Electricity."

<sup>h</sup> Commercial combined-heat-and-power (CHP) and commercial electricity-only plants. See Note 2, "Classification of Power Plants Into Energy-Use Sectors," at

end of Section 7.

<sup>i</sup> Industrial combined-heat-and-power (CHP) and industrial electricity-only plants. See Note 2, "Classification of Power Plants Into Energy-Use Sectors," at end of Section 7.

<sup>j</sup> Electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. Through 1988, data are for electric utilities only; beginning in 1989, data are for electric utilities and independent power producers.

<sup>k</sup> Data are the sum of "Distributed Solar Energy Total" and "Utility-Scale Solar Energy Total."

NA=Not available. —=No data reported. (s)=Less than 0.5 trillion Btu.

Notes: • Distributed (small-scale) solar energy data for all years, and utility-scale solar energy data for the current two years, are estimates. • Totals may not equal sum of components due to independent rounding. • Geographic coverage is the 50 states and the District of Columbia.

Web Page: See <http://www.eia.gov/totalenergy/data/monthly/#renewable> (Excel and CSV files) for all available annual and monthly data beginning in 1984.

Sources: See end of section.