

**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	
1985 Total	NA	NA	NA	NA	NA	NA	NA	NA	(s)	(s)	(s)
1990 Total	55	(s)	(s)	(s)	(s)	55	—	—	4	4	59
1995 Total	63	(s)	(s)	(s)	(s)	63	—	—	5	5	68
2000 Total	57	(s)	1	(s)	1	58	—	—	5	5	63
2001 Total	55	(s)	1	(s)	1	56	—	—	6	6	62
2002 Total	53	1	1	(s)	2	54	—	—	6	6	60
2003 Total	51	1	1	(s)	2	53	—	—	5	5	58
2004 Total	50	1	1	(s)	2	53	—	—	6	6	58
2005 Total	49	1	2	(s)	3	52	—	—	6	6	58
2006 Total	51	2	2	1	5	56	—	—	5	5	61
2007 Total	53	2	4	1	7	59	—	—	6	6	65
2008 Total	54	4	6	1	11	65	(s)	—	9	9	74
2009 Total	55	5	7	2	14	69	(s)	—	9	9	78
2010 Total	56	9	11	3	23	79	(s)	(s)	12	12	90
2011 Total	58	13	19	4	36	93	1	(s)	17	18	111
2012 Total	59	20	30	7	57	116	1	(s)	40	41	157
2013 Total	61	31	38	9	78	139	3	(s)	83	86	225
2014 Total	62	47	49	11	107	169	4	(s)	165	168	337
2015 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
Total	63	65	53	14	132	194	4	(s)	228	232	426
2016 January	3	5	3	1	9	12	(s)	(s)	13	14	26
February	4	6	4	1	11	14	(s)	(s)	20	21	35
March	5	8	5	2	14	19	(s)	(s)	24	24	43
April	6	9	5	2	16	21	(s)	(s)	26	27	48
May	6	10	6	2	17	24	(s)	(s)	31	32	55
June	6	10	6	2	18	24	(s)	(s)	32	32	56
July	7	11	6	2	18	25	1	(s)	36	36	62
August	7	10	6	2	18	24	1	(s)	36	37	61
September	6	9	5	2	16	22	(s)	(s)	33	34	55
October	5	8	5	2	14	20	(s)	(s)	29	29	49
November	4	7	4	1	12	16	(s)	(s)	25	26	41
December	4	6	4	1	11	15	(s)	(s)	22	22	37
Total	63	98	57	19	174	237	5	(s)	328	333	570
2017 January	3	6	4	1	11	15	(s)	(s)	20	20	35
February	4	7	4	1	13	17	(s)	(s)	23	23	40
March	5	11	6	2	18	23	(s)	(s)	40	41	64
April	6	12	6	2	20	26	(s)	(s)	43	44	70
May	6	13	7	2	23	29	1	(s)	52	53	82
June	6	14	7	2	23	29	1	(s)	57	58	87
July	7	14	8	2	24	30	1	(s)	50	51	81
August	7	13	7	2	23	30	1	(s)	49	50	79
September	6	12	7	2	21	27	1	(s)	47	47	74
October	5	11	6	2	19	24	(s)	(s)	44	44	68
November	4	8	5	2	15	19	(s)	(s)	28	28	47
11-Month Total	59	121	67	22	209	269	5	(s)	453	459	727
2016 11-Month Total	59	92	53	18	163	222	5	(s)	306	310	533
2015 11-Month Total	59	61	50	13	123	182	4	(s)	214	217	399

<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.