

Table 10.5 Solar Energy Consumption
(Trillion Btu)

	Distributed ^a Solar Energy ^b					Utility-Scale ^c Solar Energy ^d					Total ^k
	Heat ^f	Electricity ^d				Total ^g	Electricity ^e				
		Residential Sector	Commercial Sector	Industrial Sector	Total		Commercial Sector ^h	Industrial Sector ⁱ	Electric Power Sector ^j	Total	
1985 Total	NA	NA	NA	NA	NA	NA	NA	NA	(s)	(s)	(s)
1990 Total	55	(s)	(s)	(s)	55	—	—	4	4	59	
1995 Total	63	(s)	(s)	(s)	63	—	—	5	5	68	
2000 Total	57	(s)	1	(s)	58	—	—	5	5	63	
2001 Total	55	(s)	1	(s)	56	—	—	6	6	62	
2002 Total	53	1	1	(s)	54	—	—	6	6	60	
2003 Total	51	1	1	(s)	53	—	—	5	5	58	
2004 Total	50	1	1	(s)	53	—	—	6	6	58	
2005 Total	49	1	2	(s)	52	—	—	6	6	58	
2006 Total	51	2	2	1	56	—	—	5	5	61	
2007 Total	53	2	3	1	59	—	—	6	6	65	
2008 Total	54	4	6	1	65	(s)	—	9	9	74	
2009 Total	55	5	7	2	69	(s)	—	9	9	78	
2010 Total	56	9	11	3	79	(s)	(s)	12	12	90	
2011 Total	58	13	19	4	93	1	(s)	17	18	111	
2012 Total	59	20	30	7	116	1	(s)	40	41	157	
2013 Total	61	31	38	8	138	3	(s)	83	86	225	
2014 January	3	2	3	1	6	9	(s)	(s)	7	7	17
February	4	3	3	1	6	10	(s)	(s)	8	8	18
March	5	4	4	1	9	14	(s)	(s)	12	13	26
April	5	4	4	1	9	15	(s)	(s)	14	14	29
May	6	4	5	1	10	16	(s)	(s)	16	17	33
June	6	5	5	1	10	17	(s)	(s)	18	18	35
July	6	5	5	1	11	17	(s)	(s)	17	17	34
August	6	5	5	1	11	17	(s)	(s)	17	18	35
September	6	4	4	1	10	16	(s)	(s)	17	17	33
October	5	4	4	1	9	15	(s)	(s)	16	16	31
November	4	4	3	1	8	12	(s)	(s)	13	13	25
December	4	3	3	1	7	12	(s)	(s)	10	10	21
Total	62	47	49	11	107	169	4	(s)	165	168	337
2015 January	3	3	3	1	7	10	(s)	(s)	11	R 11	R 21
February	4	R 3	R 3	1	8	11	(s)	(s)	R 14	R 14	R 25
March	5	5	R 4	1	11	16	(s)	(s)	R 19	R 19	R 35
April	6	6	5	1	12	R 17	R (s)	(s)	R 22	R 22	R 40
May	6	6	5	1	13	R 19	R (s)	(s)	R 23	R 23	R 43
June	6	R 6	5	1	13	R 19	R (s)	(s)	R 23	R 24	R 43
July	7	7	6	1	14	21	R (s)	(s)	R 24	R 24	R 45
August	7	7	5	1	14	R 20	R (s)	(s)	R 25	R 25	R 45
September	6	6	5	1	R 12	R 18	(s)	(s)	R 20	R 21	R 39
October	5	6	4	1	11	17	(s)	(s)	R 17	R 18	R 34
November	4	5	3	1	9	14	(s)	(s)	R 16	R 16	R 30
December	4	4	3	1	9	13	(s)	(s)	R 14	15	R 27
Total	64	R 65	R 53	14	R 132	R 195	R 4	(s)	R 228	R 232	R 427
2016 January	3	5	4	1	10	13	(s)	(s)	14	R 14	R 27
February	4	6	R 4	1	11	15	(s)	(s)	R 22	R 22	R 37
March	5	8	6	1	15	20	(s)	(s)	R 24	R 25	R 45
April	6	9	6	2	R 16	22	(s)	(s)	R 27	R 27	R 49
May	6	10	7	2	18	R 24	R (s)	(s)	R 32	R 33	R 57
June	6	10	7	2	19	25	1	(s)	R 32	R 33	R 58
July	7	11	7	2	R 19	26	1	(s)	R 37	R 38	R 63
August	7	10	7	2	19	R 25	1	(s)	R 36	R 36	R 61
September	6	9	6	2	17	23	1	(s)	33	34	56
9-Month Total	50	77	53	13	143	193	4	(s)	257	261	455
2015 9-Month Total	50	50	42	11	103	153	3	(s)	180	183	336
2014 9-Month Total	48	36	39	8	83	131	3	(s)	126	129	260

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

^b See "Photovoltaic Energy" and "Solar Thermal Energy" in Glossary.

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

^d 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).

^e 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).

^f 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.

^g Data are the sum of "Distributed Solar Energy Heat" and "Distributed Solar Energy Electricity."

^h 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.

ⁱ 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.

^j 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.

^k Data are the sum of "Distributed Solar Energy Total" and "Utility-Scale Solar Energy Total."

R=Revised. 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.