

Table 10.5 Solar Energy Consumption
(Trillion Btu)

	Distributed ^a Solar Energy ^b						Utility-Scale ^c Solar Energy ^b					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)	(s)	55	—	—	4	4	59	
1995 Total	63	(s)	(s)	(s)	1	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	3	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	35	93	1	(s)	17	18	111	
2012 Total	59	20	30	7	56	116	1	(s)	40	41	157	
2013 Total	61	31	38	8	78	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	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	21	(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	17	(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	64	65	53	14	132	195	4	(s)	228	232	427	
2016 January	3	5	4	1	10	13	(s)	(s)	14	14	27	
February	4	6	4	1	11	15	(s)	(s)	22	22	37	
March	5	8	6	1	15	20	(s)	(s)	24	25	45	
April	6	9	6	2	16	22	(s)	(s)	27	27	49	
May	6	10	7	2	18	24	(s)	(s)	32	33	57	
June	6	10	7	2	19	25	1	(s)	32	33	58	
July	7	11	7	2	19	26	1	(s)	37	38	63	
August	7	10	7	2	19	25	1	(s)	36	36	61	
September	6	9	6	2	17	23	1	(s)	33	34	56	
October	6	8	5	1	15	21	(s)	(s)	29	29	50	
10-Month Total	56	85	58	15	158	214	5	(s)	286	291	505	
2015 10-Month Total	55	56	46	12	114	169	3	(s)	198	201	370	
2014 10-Month Total	54	40	43	9	92	146	3	(s)	142	145	291	

^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."

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.