

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	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	56	116	1	(s)	40	41	157
2013 Total	61	31	38	9	78	138	3	(s)	83	86	225
2014 Total	62	47	49	11	107	169	4	(s)	165	168	337
2015 Total	62	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	61
August	6	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	19	(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	62	98	57	19	174	236	5	(s)	328	333	569
2017 January	3	6	4	1	11	15	(s)	(s)	19	19	33
February	4	7	4	1	13	16	(s)	(s)	23	24	40
March	5	11	6	2	18	23	(s)	(s)	39	39	62
April	6	12	6	2	20	26	(s)	(s)	43	43	69
May	6	13	7	2	22	29	(s)	(s)	52	52	81
June	6	14	7	2	23	29	1	(s)	56	57	86
July	7	14	7	2	24	30	1	(s)	52	53	83
August	6	13	7	2	23	29	1	(s)	50	50	79
September	6	12	7	2	21	26	(s)	(s)	47	47	73
October	5	11	6	2	18	24	(s)	(s)	44	44	68
November	4	8	5	1	14	18	(s)	(s)	31	31	50
December	4	8	5	1	14	17	(s)	(s)	31	31	49
Total	63	128	71	22	221	284	5	(s)	486	491	774
2018 January	3	8	5	1	15	18	(s)	(s)	31	31	50
February	4	9	6	1	16	20	(s)	(s)	38	38	58
March	5	13	7	2	22	28	(s)	(s)	48	48	76
April	6	15	8	2	25	31	1	(s)	57	58	89
May	6	16	9	2	28	34	1	(s)	65	65	99
June	7	17	9	2	28	35	1	(s)	71	72	107
July	7	17	10	3	29	36	1	(s)	63	64	100
August	7	16	9	2	28	34	1	(s)	64	64	99
September	6	14	8	2	25	31	1	(s)	59	60	90
9-Month Total	50	125	71	19	216	266	5	1	495	500	766
2017 9-Month Total	49	102	56	17	175	224	4	(s)	380	384	608
2016 9-Month Total	49	77	45	15	137	186	4	(s)	251	255	441

^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.