

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
2005 Total	49	1	2	(s)	3	52	—	—	6	6	58
2006 Total	51	2	3	1	5	56	—	—	5	5	61
2007 Total	53	2	4	1	7	60	—	—	6	6	66
2008 Total	54	4	6	1	11	66	(s)	—	9	9	74
2009 Total	55	5	8	2	15	69	(s)	—	9	9	78
2010 Total	56	9	12	3	24	79	(s)	(s)	12	12	91
2011 Total	58	13	20	4	37	95	1	(s)	17	18	112
2012 Total	59	20	32	7	59	118	1	(s)	40	41	159
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	63	65	53	14	132	195	4	(s)	228	232	427
2016 Total	64	98	57	19	174	237	5	(s)	328	333	570
2017 Total	65	128	71	22	221	286	5	(s)	486	491	777
2018 Total	65	156	89	24	269	334	5	(s)	576	581	915
2019 January	4	10	6	1	17	20	(s)	(s)	32	32	52
February	4	11	6	2	18	22	(s)	(s)	34	34	56
March	5	15	8	2	26	31	(s)	(s)	52	53	84
April	6	17	9	2	29	35	(s)	(s)	60	60	95
May	7	19	10	3	32	38	1	(s)	63	64	102
June	7	19	10	3	32	39	1	(s)	70	71	110
July	7	20	10	3	33	40	1	(s)	72	72	113
August	7	19	10	3	32	39	1	(s)	69	70	109
September	6	17	9	3	29	35	(s)	(s)	60	61	95
October	5	15	8	2	25	31	(s)	(s)	54	54	85
November	4	12	6	2	20	24	(s)	(s)	38	39	63
December	4	11	6	2	18	22	(s)	(s)	30	31	53
Total	65	186	98	27	311	377	5	1	635	641	1,017
2020 January	4	12	7	2	21	24	(s)	(s)	41	41	66
February	4	14	7	2	23	27	(s)	(s)	50	51	78
March	5	18	10	3	30	36	(s)	(s)	57	58	94
April	6	21	11	3	34	40	1	(s)	72	72	112
May	7	23	12	3	38	45	1	(s)	86	87	132
June	7	23	12	3	38	45	1	(s)	85	86	130
July	7	24	12	3	39	46	1	(s)	92	93	139
August	7	23	12	3	37	44	1	(s)	84	85	129
September	6	20	10	3	33	39	1	(s)	70	70	109
October	5	19	9	3	30	36	(s)	(s)	65	65	101
November	4	15	7	2	25	29	(s)	(s)	52	52	81
December	4	14	7	2	22	26	(s)	(s)	48	48	74
Total	65	226	115	31	372	436	6	1	802	809	1,246
2021 January	4	15	8	2	24	28	(s)	(s)	51	51	79
February	4	16	8	2	26	30	(s)	(s)	57	58	88
March	5	22	11	3	36	42	1	(s)	83	83	125
3-Month Total	13	53	27	7	87	100	1	(s)	191	192	292
2020 3-Month Total	13	45	24	6	74	87	1	(s)	149	150	238
2019 3-Month Total	13	36	20	5	61	74	1	(s)	117	119	193

^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.