

Table 10.6 Solar Electricity Net Generation
(Million Kilowatthours)

	Distributed ^a Solar Generation ^b				Utility-Scale ^c Solar Generation ^b				Total
	Residential Sector	Commercial Sector	Industrial Sector	Total	Commercial Sector ^d	Industrial Sector ^e	Electric Power Sector ^f	Total	
1985 Total	NA	NA	NA	NA	NA	NA	11	11	11
1990 Total	12	17	4	32	-	-	367	367	399
1995 Total	20	29	6	56	-	-	497	497	552
2000 Total	39	55	12	107	-	-	493	493	600
2001 Total	47	67	15	129	-	-	543	543	672
2002 Total	56	79	18	153	-	-	555	555	708
2003 Total	65	93	21	178	-	-	534	534	712
2004 Total	81	115	25	221	-	-	575	575	796
2005 Total	121	172	38	332	-	-	550	550	882
2006 Total	177	251	56	484	-	-	508	508	991
2007 Total	250	355	79	683	-	-	612	612	1,295
2008 Total	401	570	126	1,097	(s)	-	864	864	1,962
2009 Total	539	766	170	1,475	(s)	-	891	891	2,366
2010 Total	900	1,170	259	2,329	5	2	1,206	1,212	3,541
2011 Total	1,358	1,911	423	3,692	84	7	1,727	1,818	5,509
2012 Total	2,058	3,169	702	5,929	148	14	4,164	4,327	10,256
2013 Total	3,217	4,023	891	8,131	294	17	8,724	9,036	17,167
2014 Total	4,947	5,146	1,139	11,233	371	16	17,304	17,691	28,924
2015 Total	6,999	5,689	1,451	14,139	416	21	24,456	24,893	39,032
2016 January	520	346	113	980	26	1	1,458	1,486	2,465
February	622	398	124	1,145	39	2	2,201	2,242	3,386
March	835	520	171	1,525	44	2	2,571	2,617	4,143
April	951	566	186	1,703	46	2	2,831	2,880	4,583
May	1,058	616	206	1,879	48	3	3,375	3,425	5,304
June	1,099	623	206	1,928	53	3	3,418	3,473	5,401
July	1,146	640	214	2,000	55	3	3,886	3,945	5,945
August	1,113	620	209	1,942	58	3	3,908	3,969	5,911
September	989	556	190	1,735	48	2	3,584	3,635	5,370
October	884	493	174	1,552	42	2	3,147	3,191	4,743
November	726	393	139	1,257	36	2	2,729	2,767	4,024
December	653	387	128	1,167	33	1	2,389	2,424	3,591
Total	10,595	6,158	2,060	18,812	529	27	35,497	36,054	54,866
2017 January	697	414	133	1,244	22	NM	2,128	2,152	3,396
February	783	454	147	1,383	26	NM	2,469	2,497	3,880
March	1,147	630	209	1,987	48	NM	4,381	4,433	6,419
April	1,284	700	227	2,211	50	NM	4,721	4,774	6,985
May	1,415	774	252	2,440	65	4	5,698	5,766	8,207
June	1,468	781	254	2,503	71	8	6,174	6,252	8,755
July	1,495	818	264	2,578	63	7	5,435	5,505	8,083
August	1,446	798	258	2,501	60	7	5,334	5,401	7,903
September	1,292	713	235	2,240	58	6	5,103	5,168	7,408
October	1,156	633	214	2,002	53	6	4,771	4,830	6,832
November	903	501	170	1,574	31	4	3,085	3,120	4,694
December	837	485	155	1,476	29	NM	3,027	3,059	4,536
Total	13,922	7,700	2,518	24,139	578	54	52,326	52,958	77,097
2018 January	951	540	164	1,655	29	NM	3,229	3,262	4,917
February	1,008	594	172	1,774	39	5	3,994	4,037	5,812
March	1,395	779	241	2,414	46	6	5,047	5,099	7,513
April	1,596	863	263	2,721	58	8	6,045	6,111	8,833
May	1,757	951	291	2,999	71	NM	7,012	7,091	10,090
June	1,803	995	267	3,066	87	11	7,717	7,815	10,880
6-Month Total	8,510	4,721	1,399	14,629	330	42	33,044	33,416	48,045
2017 6-Month Total	6,793	3,752	1,222	11,767	283	20	25,571	25,874	37,641
2016 6-Month Total	5,084	3,068	1,007	9,159	256	13	15,853	16,123	25,282

^a Data are estimates for solar photovoltaic (PV) electricity generation at small-scale facilities (combined generator nameplate capacity less than 1 megawatt) connected to the electric power grid.

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

^c Solar photovoltaic (PV) and solar thermal electricity net generation at utility-scale facilities (combined generator nameplate capacity of 1 megawatt or more).

^d 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.

^e 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.

^f 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.

NA=Not available. NM=Not meaningful due to large standard error. - =No data reported. (s)=Less than 0.5 million kilowatthours.

Notes: • Distributed (small-scale) solar generation 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: • **Distributed Solar Generation: 1989–2013**—Calculated as distributed solar energy consumption (see Table 10.5) divided by the total fossil fuels heat rate factors (see Table A6). **2014 forward**—U.S. Energy Information Administration (EIA), *Electric Power Monthly*, monthly reports, Tables 1.1, 1.2.C, 1.2.D, and 1.2.E. • **Utility-Scale Solar Generation: 1984–1988**—EIA, Form EIA-759, "Monthly Power Plant Report." **1989–1997**: EIA, Form EIA-759, "Monthly Power Plant Report," and Form EIA-867, "Annual Nonutility Power Producer Report." **1998–2000**: EIA, Form EIA-759, "Monthly Power Plant Report," and Form EIA-860B, "Annual Electric Generator Report—Nonutility." **2001–2003**: EIA, Form EIA-906, "Power Plant Report." **2004–2007**: EIA, Form EIA-906, "Power Plant Report," and Form EIA-920, "Combined Heat and Power Plant Report." **2008 forward**: EIA, Form EIA-923, "Power Plant Operations Report." • **Total**: Calculated as distributed solar generation plus utility-scale solar generation.