

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	553
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	66	93	21	179	—	—	534	534	713
2004 Total	81	115	25	222	—	—	575	575	797
2005 Total	122	172	38	333	—	—	550	550	883
2006 Total	178	252	56	485	—	—	508	508	993
2007 Total	251	355	79	685	—	—	612	612	1,297
2008 Total	404	571	126	1,101	(s)	—	864	864	1,965
2009 Total	543	767	170	1,480	(s)	—	891	891	2,371
2010 Total	897	1,172	259	2,328	5	2	1,206	1,212	3,540
2011 Total	1,330	1,913	424	3,667	84	7	1,727	1,818	5,485
2012 Total	2,071	3,173	703	5,947	148	14	4,164	4,327	10,274
2013 Total	3,264	4,029	892	8,185	294	17	8,724	9,036	17,221
2014 Total	4,947	5,146	1,139	11,233	371	16	17,304	17,691	28,924
2015 January	340	327	80	746	20	1	1,134	1,155	1,902
February	375	356	85	816	23	1	1,459	1,484	2,299
March	536	479	119	1,134	33	2	2,037	2,072	3,206
April	609	525	129	1,264	39	2	2,338	2,379	3,643
May	676	574	144	1,394	46	2	2,456	2,504	3,898
June	693	571	144	1,408	43	2	2,512	2,558	3,966
July	741	596	150	1,487	45	2	2,579	2,627	4,114
August	746	575	147	1,468	46	2	2,639	2,688	4,156
September	679	515	135	1,330	37	2	2,178	2,217	3,547
October	618	455	125	1,198	32	2	1,875	1,910	3,107
November	515	367	100	982	27	1	1,702	1,730	2,712
December	471	349	93	914	24	1	1,545	1,570	2,484
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	690	406	135	1,230	22	NM	2,123	2,147	3,377
February	791	460	146	1,397	26	NM	2,463	2,491	3,887
March	1,148	630	209	1,986	49	NM	4,370	4,421	6,408
April	1,285	701	226	2,211	50	NM	4,706	4,759	6,970
May	1,416	774	251	2,441	65	4	5,678	5,747	8,188
June	1,468	781	254	2,503	71	8	6,152	6,230	8,733
July	1,495	819	264	2,578	63	7	5,412	5,482	8,061
August	1,446	797	258	2,501	60	7	5,312	5,379	7,879
September	1,291	713	235	2,239	59	6	5,080	5,145	7,384
October	1,156	636	214	2,006	53	6	4,745	4,804	6,810
November	904	503	171	1,578	31	4	3,038	3,072	4,651
11-Month Total	13,090	7,219	2,361	22,670	549	50	49,078	49,677	72,347
2016 11-Month Total	9,942	5,771	1,932	17,645	496	26	33,108	33,631	51,276
2015 11-Month Total	6,527	5,340	1,358	13,225	393	20	22,910	23,323	36,548

^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.