

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	513	409	98	1,021	23	NM	1,491	1,516	2,536
February	614	468	108	1,189	45	3	2,395	2,443	3,632
March	824	608	150	1,582	47	NM	2,664	2,713	4,295
April	939	661	164	1,763	44	NM	2,903	2,949	4,712
May	1,044	719	181	1,945	54	NM	3,547	3,603	5,548
June	1,086	723	183	1,991	62	NM	3,545	3,610	5,601
July	1,133	743	190	2,066	69	NM	4,024	4,097	6,163
August	1,100	718	186	2,004	59	NM	3,886	3,948	5,952
September	977	643	170	1,790	56	3	3,624	3,683	5,473
October	874	578	156	1,607	45	3	3,145	3,193	4,801
November	717	467	123	1,307	38	2	2,660	2,700	4,007
December	644	443	114	1,202	24	NM	2,273	2,299	3,500
Total	10,465	7,180	1,823	19,467	565	32	36,157	36,754	56,221
2017									
January	682	481	120	1,282	23	NM	2,182	2,206	3,488
February	784	526	139	1,449	27	NM	2,533	2,562	4,011
March	1,142	703	210	2,054	47	2	4,425	4,474	6,529
April	1,282	760	226	2,268	50	NM	4,764	4,816	7,084
4-Month Total	3,889	2,469	695	7,054	147	NM	13,904	14,058	21,112
2016 4-Month Total	2,889	2,146	520	5,556	158	9	9,453	9,620	15,176
2015 4-Month Total	1,859	1,687	413	3,959	116	6	6,969	7,090	11,050

^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.