

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	703	420	123	1,246	17	1	2,011	2,030	3,276
February	789	458	137	1,384	27	2	2,526	2,555	3,939
March	1,147	629	197	1,972	42	3	4,200	4,245	6,218
April	1,283	699	213	2,195	46	4	4,646	4,696	6,891
May	1,415	770	239	2,423	53	4	5,605	5,663	8,086
June	1,469	777	241	2,487	61	5	6,109	6,175	8,662
July	1,495	808	252	2,555	58	5	5,690	5,753	8,308
August	1,446	788	246	2,480	55	5	5,374	5,434	7,914
September	1,293	709	223	2,225	52	4	5,059	5,115	7,340
October	1,157	632	201	1,990	47	4	4,771	4,821	6,811
November	904	502	156	1,561	34	3	3,372	3,409	4,970
December	841	492	138	1,472	29	3	3,358	3,389	4,861
Total	13,942	7,685	2,364	23,990	521	42	52,723	53,286	77,276
2018									
January	922	546	145	1,614	28	4	3,380	3,413	5,027
February	1,008	599	154	1,761	36	5	4,079	4,120	5,880
March	1,394	813	219	2,426	45	7	5,159	5,211	7,636
April	1,596	901	239	2,736	57	8	6,192	6,257	8,993
May	1,757	986	265	3,009	66	9	7,004	7,079	10,088
June	1,793	999	266	3,058	81	11	7,719	7,811	10,869
July	1,838	1,031	275	3,144	68	9	6,865	6,943	10,087
August	1,761	990	267	3,018	71	11	6,900	6,982	10,000
September	1,545	891	246	2,681	66	10	6,395	6,471	9,153
9-Month Total	13,615	7,756	2,076	23,447	519	75	53,693	54,286	77,733
2017 9-Month Total	11,040	6,058	1,870	18,967	411	33	41,222	41,667	60,634
2016 9-Month Total	8,332	4,885	1,619	14,836	418	22	27,232	27,672	42,509

^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. —=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.