Table 10.6 Solar Electricity Net Generation

(Million Kilowatthours)

	Distributed[a] Solar Generation[b]				Utility-Scale[c] Solar Generation[b]				
	Residential Sector	Commercial Sector	Industrial Sector	Total	Commercial Sector[d]	Industrial Sector[e]	Electric Power Sector[f]	Total	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**	**55**	**–**	**–**	**497**	**497**	**552**
2000 Total	**39**	**55**	**12**	**106**	**–**	**–**	**493**	**493**	**600**
2001 Total	**47**	**67**	**15**	**129**	**–**	**–**	**543**	**543**	**671**
2002 Total	**56**	**79**	**18**	**152**	**–**	**–**	**555**	**555**	**707**
2003 Total	**65**	**92**	**20**	**178**	**–**	**–**	**534**	**534**	**712**
2004 Total	**80**	**115**	**25**	**220**	**–**	**–**	**575**	**575**	**796**
2005 Total	**121**	**172**	**38**	**331**	**–**	**–**	**550**	**550**	**881**
2006 Total	**176**	**251**	**56**	**482**	**–**	**–**	**508**	**508**	**990**
2007 Total	**249**	**354**	**78**	**681**	**–**	**–**	**612**	**612**	**1,293**
2008 Total	**400**	**569**	**126**	**1,094**	**(s)**	**–**	**864**	**864**	**1,959**
2009 Total	**537**	**764**	**169**	**1,471**	**(s)**	**–**	**891**	**891**	**2,362**
2010 Total	**888**	**1,168**	**259**	**2,314**	**5**	**2**	**1,206**	**1,212**	**3,526**
2011 Total	**1,317**	**1,906**	**422**	**3,645**	**84**	**7**	**1,727**	**1,818**	**5,463**
2012 Total	**2,050**	**3,162**	**700**	**5,913**	**148**	**14**	**4,164**	**4,327**	**10,239**
2013 Total	**3,231**	**4,015**	**889**	**8,134**	**294**	**17**	**8,724**	**9,036**	**17,170**
2014 January	263	300	62	624	16	1	734	751	1,375
February	277	322	65	664	20	1	814	835	1,499
March	382	432	93	907	29	1	1,286	1,317	2,224
April	421	467	101	988	33	2	1,453	1,487	2,476
May	468	512	111	1,092	38	2	1,710	1,750	2,842
June	478	510	113	1,101	39	2	1,883	1,923	3,024
July	502	529	117	1,149	38	2	1,748	1,788	2,936
August	503	520	116	1,139	39	2	1,839	1,879	3,019
September	472	469	106	1,046	35	2	1,795	1,832	2,879
October	445	419	100	965	36	1	1,680	1,717	2,682
November	373	338	81	792	28	1	1,351	1,380	2,171
December	363	329	74	766	20	1	1,011	1,032	1,798
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	515	407	99	1,021	23	NM	1,469	1,492	2,514
February	615	465	109	1,190	44	NM	2,357	2,404	3,593
March	826	605	152	1,583	46	NM	2,618	2,667	4,250
April	942	657	165	1,764	44	NM	2,851	2,897	4,661
May	1,048	715	183	1,946	53	NM	3,483	3,539	5,485
June	1,089	719	184	1,993	61	NM	3,480	3,544	5,537
July	1,137	740	191	2,068	68	NM	3,953	4,024	6,092
August	1,106	714	188	2,008	58	NM	3,816	3,877	5,885
September	981	641	170	1,792	55	3	3,555	3,613	5,405
October	875	578	156	1,609	45	2	3,085	3,132	4,741
10-Month Total	**9,134**	**6,243**	**1,596**	**16,974**	**496**	**26**	**30,667**	**31,190**	**48,164**
2015 10-Month Total	**6,012**	**4,973**	**1,258**	**12,243**	**366**	**19**	**21,209**	**21,593**	**33,837**
2014 10-Month Total	**4,212**	**4,479**	**984**	**9,675**	**323**	**14**	**14,943**	**15,280**	**24,954**

[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.