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	R 20	R 1	R 1,134	R 1,155	R 1,902
February	375	356	85	816	R 23	R 1	R 1,459	R 1,484	R 2,299
March	536	479	119	1,134	R 33	R 2	R 2,037	R 2,072	R 3,206
April	609	525	129	1,264	R 39	R 2	R 2,338	R 2,379	R 3,643
May	676	574	144	1,394	R 46	R 2	R 2,456	R 2,504	R 3,898
June	693	571	144	1,408	R 43	R 2	R 2,512	R 2,558	R 3,966
July	741	596	150	1,487	R 45	R 2	R 2,579	R 2,627	R 4,114
August	746	575	147	1,468	R 46	R 2	R 2,639	R 2,688	R 4,156
September	679	515	135	1,330	R 37	R 2	R 2,178	R 2,217	R 3,547
October	618	455	125	1,198	R 32	2	R 1,875	R 1,910	R 3,107
November	515	367	100	982	R 27	R 1	R 1,702	R 1,730	R 2,712
December	471	349	93	914	R 24	R 1	R 1,545	R 1,570	R 2,484
Total	**6,999**	**5,689**	**1,451**	**14,139**	**R 416**	**R 21**	**R 24,456**	**R 24,893**	**R 39,032**
2016 January	R 515	R 407	R 99	R 1,021	R 23	NM	R 1,469	R 1,492	R 2,514
February	R 615	R 465	R 109	R 1,190	R 44	NM	R 2,357	R 2,404	R 3,593
March	R 826	R 605	R 152	R 1,583	R 46	NM	R 2,618	R 2,667	R 4,250
April	R 942	R 657	R 165	R 1,764	R 44	NM	R 2,851	R 2,897	R 4,661
May	R 1,048	R 715	R 183	R 1,946	R 53	NM	R 3,483	R 3,539	R 5,485
June	R 1,089	R 719	R 184	R 1,993	R 61	NM	R 3,480	R 3,544	R 5,537
July	R 1,137	R 740	R 191	R 2,068	R 68	NM	R 3,953	R 4,024	R 6,092
August	R 1,106	R 714	R 188	R 2,008	R 58	NM	R 3,816	R 3,877	R 5,885
September	981	641	170	1,792	55	3	3,555	3,613	5,405
9-Month Total	**8,259**	**5,665**	**1,440**	**15,364**	**452**	**24**	**27,582**	**28,058**	**43,422**
2015 9-Month Total	**5,395**	**4,518**	**1,133**	**11,046**	**333**	**17**	**19,333**	**19,684**	**30,729**
2014 9-Month Total	**3,766**	**4,059**	**884**	**8,710**	**287**	**13**	**13,263**	**13,563**	**22,273**

[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.

R=Revised. 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.