

Table 10.6 Solar Electricity Net Generation
(Million Kilowatthours)

	Small-Scale ^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	16	4	32	—	—	367	367	399
1995 Total	20	28	6	54	—	—	497	497	551
2000 Total	39	53	12	104	—	—	493	493	598
2005 Total	121	166	37	324	—	—	550	550	875
2006 Total	177	243	54	473	—	—	508	508	981
2007 Total	250	343	76	668	—	—	612	612	1,280
2008 Total	401	551	122	1,073	(s)	—	864	864	1,938
2009 Total	539	740	164	1,443	(s)	—	891	891	2,334
2010 Total	899	1,130	250	2,280	5	2	1,206	1,212	3,492
2011 Total	1,358	1,845	409	3,612	84	7	1,727	1,818	5,429
2012 Total	2,058	3,061	678	5,797	148	14	4,164	4,327	10,123
2013 Total	3,217	4,106	909	8,232	294	17	8,724	9,036	17,268
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 Total	10,595	6,158	2,060	18,812	529	27	35,497	36,054	54,866
2017 Total	13,942	7,685	2,364	23,990	521	42	52,724	53,287	77,277
2018 Total	17,105	9,798	2,636	29,539	525	47	63,253	63,825	93,365
2019 Total	20,914	11,002	3,041	34,957	587	85	71,265	71,937	106,894
2020 Total	25,179	12,859	3,484	41,522	586	101	88,511	89,199	130,721
2021 January	1,669	865	216	2,750	30	6	5,523	5,559	8,309
February	1,774	935	230	2,939	31	7	6,293	6,330	9,270
March	2,549	1,280	330	4,158	53	11	9,233	9,296	13,454
April	2,837	1,416	357	4,610	61	12	10,818	10,892	15,502
May	3,135	1,534	394	5,063	66	14	12,377	12,457	17,520
June	3,161	1,551	396	5,107	64	13	12,119	12,197	17,304
July	3,188	1,599	405	5,192	65	13	12,114	12,192	17,384
August	2,994	1,538	392	4,924	61	15	11,890	11,967	16,891
September	2,642	1,373	354	4,370	55	15	11,144	11,214	15,584
October	2,308	1,194	319	3,821	45	12	9,211	9,268	13,089
November	2,068	945	246	3,259	38	11	7,746	7,795	11,054
December	1,857	895	219	2,970	29	8	6,054	6,091	9,061
Total	30,182	15,124	3,858	49,164	598	137	114,523	115,258	164,422
2022 January	2,135	1,012	230	3,376	36	13	7,773	7,822	11,198
February	2,357	1,116	244	3,717	42	15	8,969	9,027	12,744
March	3,252	1,521	348	5,121	56	21	11,618	11,695	16,816
April	3,632	1,662	377	5,671	66	24	13,312	13,402	19,073
May	4,007	1,816	413	6,236	71	28	15,022	15,121	21,357
June	3,997	1,819	413	6,229	74	32	15,946	16,053	22,282
July	4,118	1,894	426	6,438	72	31	15,663	15,766	22,204
August	3,982	1,801	411	6,194	69	30	14,403	14,503	20,697
September	3,569	1,608	368	5,544	61	26	13,199	13,287	18,831
October	3,306	1,383	333	5,022	52	24	11,866	11,942	16,964
November	2,693	1,086	256	4,035	40	18	8,345	8,403	12,438
December	2,462	1,007	229	3,698	29	13	6,735	6,777	10,475
Total	39,510	17,724	4,048	61,282	669	276	142,852	143,797	205,079
2023 January	2,641	R 1,105	246	R 3,992	35	17	R 7,930	R 7,982	R 11,974
February	R 2,908	R 1,231	261	R 4,401	39	19	R 9,193	R 9,251	R 13,652
March	R 3,972	R 1,658	374	R 6,003	R 56	26	R 12,063	R 12,144	R 18,148
April	4,517	R 1,838	412	R 6,768	R 60	30	R 14,666	R 14,755	R 21,523
May	R 5,107	R 2,002	451	R 7,560	70	34	R 16,822	R 16,927	R 24,487
June	R 4,984	R 1,995	451	R 7,429	68	34	R 17,528	R 17,631	R 25,060
July	R 5,209	R 2,073	465	R 7,747	74	37	R 18,769	R 18,880	R 26,626
August	R 5,134	R 1,976	R 446	R 7,556	R 71	34	R 17,711	R 17,816	R 25,372
September	R 4,458	R 1,764	R 401	R 6,623	60	29	R 15,473	R 15,563	R 22,185
October	R 4,203	R 1,526	R 364	R 6,094	52	26	R 14,003	R 14,082	R 20,175
November	R 3,469	R 1,202	287	R 4,958	59	19	R 10,192	R 10,271	R 15,229
December	3,133	1,101	256	4,489	46	21	9,133	9,200	13,689
Total	49,734	19,470	4,414	73,619	690	326	163,485	164,502	238,120

^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. —=No data reported. (s)=Less than 0.5 million kilowatthours.

Notes: • 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: • **Small-Scale Solar Generation: 1989–2013**—Calculated as small-scale solar energy consumption (see Table 10.5) divided by the heat content of electricity (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 small-scale solar generation plus utility-scale solar generation.