

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
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 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	7,772	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	11,694	16,815
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	15,120	21,356
June	3,997	1,819	413	6,229	74	32	15,946	16,052	22,281
July	4,118	1,894	426	6,438	72	31	15,662	15,765	22,203
August	3,982	1,801	411	6,194	69	30	14,403	14,502	20,697
September	3,569	1,608	368	5,544	61	26	13,199	13,286	18,830
October	3,306	1,383	333	5,022	52	24	11,865	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	142,847	143,792	205,074
2023 January	2,625	1,119	244	3,989	28	16	7,763	7,806	11,795
February	2,894	1,234	259	4,387	38	18	9,379	9,435	13,822
March	3,954	1,680	370	6,005	51	24	12,138	12,213	18,218
April	4,478	1,855	408	6,742	67	34	14,961	15,062	21,803
May	5,073	2,023	447	7,543	71	35	17,175	17,281	24,824
June	4,948	2,011	446	7,405	66	35	17,733	17,834	25,239
July	5,173	2,087	461	7,720	70	37	18,788	18,894	26,614
August	5,049	2,010	444	7,504	62	34	17,648	17,744	25,248
September	4,409	1,796	400	6,604	53	30	15,500	15,583	22,187
October	4,155	1,558	363	6,076	46	26	14,049	14,121	20,196
November	3,428	1,225	286	4,938	37	21	10,388	10,446	15,384
December	3,087	1,153	254	4,494	25	17	9,070	9,113	13,606
Total	49,273	19,751	4,382	73,406	615	326	164,590	165,530	238,937
2024 January	3,281	1,258	267	4,806	33	25	9,673	9,730	14,536
February	3,696	1,435	295	5,427	46	31	12,399	12,476	17,903
March	4,854	1,884	405	7,142	57	39	15,700	15,797	22,939
April	5,385	2,073	438	7,897	66	46	18,942	19,054	26,951
May	5,847	2,287	476	8,610	75	53	21,987	22,114	30,724
June	5,863	2,286	475	8,623	78	57	24,059	24,193	32,817
July	5,947	2,369	488	8,805	73	56	23,985	24,115	32,919
August	5,698	2,272	472	8,442	73	56	23,831	23,960	32,402
September	5,074	2,036	433	7,543	62	47	19,989	20,099	27,642
9-Month Total	45,645	17,900	3,749	67,294	563	410	170,565	171,538	238,833
2023 9-Month Total	38,604	15,815	3,479	57,899	507	262	131,083	131,851	189,750
2022 9-Month Total	31,049	14,247	3,230	48,526	548	221	115,902	116,671	165,197

^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.

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.