

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 Total	39,510	17,724	4,048	61,282	669	276	142,847	143,792	205,074
2023 Total	49,273	19,751	4,382	73,406	615	326	164,590	165,530	238,937
2024 January	3,240	1,218	268	4,726	23	23	9,537	9,583	14,309
February	3,659	1,386	296	5,342	34	32	12,474	12,540	17,882
March	4,885	1,821	406	7,113	48	43	15,928	16,019	23,132
April	5,385	2,007	440	7,832	56	52	19,133	19,241	27,073
May	5,845	2,216	478	8,539	64	62	22,245	22,371	30,910
June	5,863	2,213	476	8,553	67	62	24,330	24,459	33,012
July	5,991	2,297	490	8,778	63	61	24,359	24,484	33,262
August	5,735	2,204	473	8,412	61	59	24,209	24,328	32,741
September	5,108	1,969	433	7,511	48	52	20,438	20,538	28,049
October	4,638	1,709	390	6,736	46	44	19,738	19,828	26,564
November	3,754	1,336	303	5,393	31	31	13,780	13,841	19,234
December	3,442	1,276	267	4,984	25	25	12,551	12,601	17,585
Total	57,547	21,652	4,719	83,918	566	546	218,722	219,834	303,752
2025 January	3,703	1,408	285	5,397	38	36	15,379	15,454	20,851
February	3,967	1,534	305	5,805	39	38	16,371	16,448	22,253
March	5,456	2,073	433	7,961	60	52	23,126	23,238	31,199
April	5,967	2,322	469	8,758	66	60	26,654	26,781	35,538
May	6,268	2,522	515	9,306	69	66	29,610	29,746	39,051
June	6,379	2,530	514	9,423	76	184	31,774	32,034	41,458
July	6,689	2,636	532	9,857	80	197	33,147	33,424	43,281
August	6,273	2,531	515	9,319	76	184	31,549	31,809	41,128
September	5,434	2,277	466	8,176	67	211	27,870	28,149	36,325
October	5,199	1,968	421	7,589	57	184	24,365	24,605	32,195
November	4,128	1,533	326	5,987	47	139	18,407	18,592	24,580
December	3,812	1,460	297	5,569	34	113	15,245	15,392	20,962
Total	63,274	24,795	5,080	93,148	709	1,464	293,499	295,671	388,820
2026 January	4,138	1,599	314	6,051	40	151	17,795	17,985	24,036
February	4,370	1,731	332	6,433	46	165	21,094	21,305	27,739
March	6,065	2,413	474	8,953	63	215	28,722	29,000	37,953
April	6,619	2,674	514	9,808	79	211	30,814	31,104	40,912
May	7,212	2,949	568	10,728	99	235	36,084	36,418	47,147
5-Month Total	28,405	11,366	2,202	41,973	326	977	134,510	135,813	177,786
2025 5-Month Total	25,360	9,859	2,007	37,227	272	253	111,140	111,665	148,892
2024 5-Month Total	23,016	8,648	1,887	33,551	225	212	79,317	79,754	113,305

^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.