

Table 10.6 Solar Electricity Net Generation
(Million Kilowatthours)

	Distributed ^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	18	4	33	—	—	367	367	400
1995 Total	20	30	7	58	—	—	497	497	554
2000 Total	39	59	13	110	—	—	493	493	604
2005 Total	121	182	40	344	—	—	550	550	894
2006 Total	177	266	59	501	—	—	508	508	1,009
2007 Total	250	375	83	708	—	—	612	612	1,319
2008 Total	401	603	133	1,137	(s)	—	864	864	2,002
2009 Total	539	810	179	1,529	(s)	—	891	891	2,420
2010 Total	900	1,237	274	2,411	5	2	1,206	1,212	3,623
2011 Total	1,358	2,020	447	3,825	84	7	1,727	1,818	5,643
2012 Total	2,058	3,351	742	6,151	148	14	4,164	4,327	10,478
2013 Total	3,217	4,024	891	8,132	294	17	8,724	9,036	17,167
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 January	1,107	629	168	1,903	30	4	3,546	3,580	5,483
February	1,205	676	178	2,059	34	5	3,798	3,836	5,895
March	1,727	933	254	2,914	50	7	5,841	5,899	8,813
April	1,935	1,032	278	3,245	54	8	6,690	6,752	9,997
May	2,130	1,110	309	3,549	58	9	7,095	7,162	10,711
June	2,175	1,118	311	3,604	63	10	7,898	7,971	11,575
July	2,268	1,171	321	3,760	69	10	8,053	8,133	11,893
August	2,184	1,116	311	3,611	64	9	7,803	7,877	11,488
September	1,930	994	281	3,205	55	8	6,754	6,817	10,022
October	1,697	881	255	2,833	46	7	6,040	6,093	8,926
November	1,346	683	198	2,228	36	5	4,323	4,364	6,592
December	1,210	657	179	2,047	26	4	3,423	3,453	5,500
Total	20,914	11,002	3,041	34,957	587	85	71,265	71,937	106,894
2020 January	1,385	736	192	2,313	36	5	4,615	4,657	6,970
February	1,578	834	212	2,624	43	7	5,657	5,706	8,330
March	2,050	1,082	292	3,424	52	8	6,436	6,496	9,920
April	2,311	1,189	316	3,817	64	10	8,052	8,126	11,943
May	2,611	1,309	349	4,269	74	14	9,679	9,767	14,035
June	2,611	1,305	354	4,270	72	13	9,555	9,641	13,911
July	2,681	1,356	370	4,407	78	14	10,386	10,478	14,885
August	2,541	1,302	358	4,201	68	12	9,428	9,508	13,708
September	2,243	1,159	322	3,724	56	11	7,824	7,891	11,615
October	2,089	1,018	291	3,399	52	10	7,284	7,346	10,744
November	1,731	809	226	2,767	42	8	5,845	5,895	8,662
December	1,538	783	204	2,526	36	7	5,338	5,381	7,907
Total	25,370	12,884	3,486	41,740	673	121	90,097	90,891	132,631
2021 January	1,671	861	216	2,749	35	8	5,689	5,732	8,481
February	1,774	935	231	2,939	41	8	6,452	6,502	9,441
March	2,492	1,273	327	4,092	63	13	9,267	9,342	13,435
April	2,824	1,413	356	4,593	71	14	10,837	10,923	15,516
May	3,123	1,540	392	5,055	80	16	12,370	12,467	17,522
June	3,173	1,555	394	5,122	73	16	11,974	12,063	17,185
July	3,209	1,606	404	5,220	72	15	11,890	11,978	17,197
August	3,019	1,545	392	4,956	74	17	11,830	11,921	16,877
8-Month Total	21,286	10,727	2,713	34,726	510	107	80,311	80,928	115,654
2020 8-Month Total	17,769	9,114	2,442	29,325	487	83	63,807	64,378	93,703
2019 8-Month Total	14,731	7,786	2,128	24,646	423	61	50,724	51,209	75,855

^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. (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.