

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 | 17 | 4 | 32 | — | — | 367 | 367 | 399 |
| 1995 Total | 20 | 29 | 6 | 56 | — | — | 497 | 497 | 553 |
| 2000 Total | 39 | 55 | 12 | 107 | — | — | 493 | 493 | 600 |
| 2001 Total | 47 | 67 | 15 | 129 | — | — | 543 | 543 | 672 |
| 2002 Total | 56 | 79 | 18 | 153 | — | — | 555 | 555 | 708 |
| 2003 Total | 66 | 93 | 21 | 179 | — | — | 534 | 534 | 713 |
| 2004 Total | 81 | 115 | 25 | 222 | — | — | 575 | 575 | 797 |
| 2005 Total | 122 | 172 | 38 | 333 | — | — | 550 | 550 | 883 |
| 2006 Total | 178 | 252 | 56 | 485 | — | — | 508 | 508 | 993 |
| 2007 Total | 251 | 355 | 79 | 685 | — | — | 612 | 612 | 1,297 |
| 2008 Total | 404 | 571 | 126 | 1,101 | (s) | — | 864 | 864 | 1,965 |
| 2009 Total | 543 | 767 | 170 | 1,480 | (s) | — | 891 | 891 | 2,371 |
| 2010 Total | 897 | 1,172 | 259 | 2,328 | 5 | 2 | 1,206 | 1,212 | 3,540 |
| 2011 Total | 1,330 | 1,913 | 424 | 3,667 | 84 | 7 | 1,727 | 1,818 | 5,485 |
| 2012 Total | 2,071 | 3,173 | 703 | 5,947 | 148 | 14 | 4,164 | 4,327 | 10,274 |
| 2013 Total | 3,264 | 4,029 | 892 | 8,185 | 294 | 17 | 8,724 | 9,036 | 17,221 |
| 2014 Total | 4,947 | 5,146 | 1,139 | 11,233 | 371 | 16 | 17,304 | 17,691 | 28,924 |
| 2015 January | 340 | 327 | 80 | 746 | 20 | 1 | 1,134 | 1,155 | 1,902 |
| February | 375 | 356 | 85 | 816 | 23 | 1 | 1,459 | 1,484 | 2,299 |
| March | 536 | 479 | 119 | 1,134 | 33 | 2 | 2,037 | 2,072 | 3,206 |
| April | 609 | 525 | 129 | 1,264 | 39 | 2 | 2,338 | 2,379 | 3,643 |
| May | 676 | 574 | 144 | 1,394 | 46 | 2 | 2,456 | 2,504 | 3,898 |
| June | 693 | 571 | 144 | 1,408 | 43 | 2 | 2,512 | 2,558 | 3,966 |
| July | 741 | 596 | 150 | 1,487 | 45 | 2 | 2,579 | 2,627 | 4,114 |
| August | 746 | 575 | 147 | 1,468 | 46 | 2 | 2,639 | 2,688 | 4,156 |
| September | 679 | 515 | 135 | 1,330 | 37 | 2 | 2,178 | 2,217 | 3,547 |
| October | 618 | 455 | 125 | 1,198 | 32 | 2 | 1,875 | 1,910 | 3,107 |
| November | 515 | 367 | 100 | 982 | 27 | 1 | 1,702 | 1,730 | 2,712 |
| December | 471 | 349 | 93 | 914 | 24 | 1 | 1,545 | 1,570 | 2,484 |
| Total | 6,999 | 5,689 | 1,451 | 14,139 | 416 | 21 | 24,456 | 24,893 | 39,032 |
| 2016 January | 513 | 409 | 98 | 1,021 | 23 | NM | 1,491 | 1,516 | 2,536 |
| February | 614 | 468 | 108 | 1,189 | 45 | 3 | 2,395 | 2,443 | 3,632 |
| March | 824 | 608 | 150 | 1,582 | 47 | NM | 2,664 | 2,713 | 4,295 |
| April | 939 | 661 | 164 | 1,763 | 44 | NM | 2,903 | 2,949 | 4,712 |
| May | 1,044 | 719 | 181 | 1,945 | 54 | NM | 3,547 | 3,603 | 5,548 |
| June | 1,086 | 723 | 183 | 1,991 | 62 | NM | 3,545 | 3,610 | 5,601 |
| July | 1,133 | 743 | 190 | 2,066 | 69 | NM | 4,024 | 4,097 | 6,163 |
| August | 1,100 | 718 | 186 | 2,004 | 59 | NM | 3,886 | 3,948 | 5,952 |
| September | 977 | 643 | 170 | 1,790 | 56 | 3 | 3,624 | 3,683 | 5,473 |
| October | 874 | 578 | 156 | 1,607 | 45 | 3 | 3,145 | 3,193 | 4,801 |
| November | 717 | 467 | 123 | 1,307 | 38 | 2 | 2,660 | 2,700 | 4,007 |
| December | 644 | 443 | 114 | 1,202 | 24 | NM | 2,273 | 2,299 | 3,500 |
| Total | 10,465 | 7,180 | 1,823 | 19,467 | 565 | 32 | 36,157 | 36,754 | 56,221 |
| 2017 January | 682 | 481 | 120 | 1,282 | 23 | NM | 2,182 | 2,206 | 3,488 |
| February | 784 | 526 | 139 | 1,449 | 27 | NM | 2,533 | 2,562 | 4,011 |
| March | 1,142 | 703 | 210 | 2,054 | 47 | 2 | 4,425 | 4,474 | 6,529 |
| April | 1,282 | 760 | 226 | 2,268 | 50 | NM | 4,764 | 4,816 | 7,084 |
| May | 1,420 | 809 | 250 | 2,479 | 67 | 4 | 5,745 | 5,816 | 8,295 |
| June | 1,460 | 811 | 254 | 2,524 | 72 | 8 | 6,193 | 6,272 | 8,796 |
| July | 1,487 | 878 | 264 | 2,629 | 64 | 7 | 5,473 | 5,544 | 8,173 |
| August | 1,438 | 850 | 258 | 2,546 | 58 | 7 | 5,362 | 5,427 | 7,973 |
| 8-Month Total | 9,694 | 5,817 | 1,722 | 17,233 | 408 | 32 | 36,677 | 37,117 | 54,350 |
| 2016 8-Month Total | 7,252 | 5,049 | 1,260 | 13,561 | 401 | 23 | 24,455 | 24,879 | 38,440 |
| 2015 8-Month Total | 4,715 | 4,003 | 998 | 9,716 | 296 | 15 | 17,156 | 17,467 | 27,183 |

^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. 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.