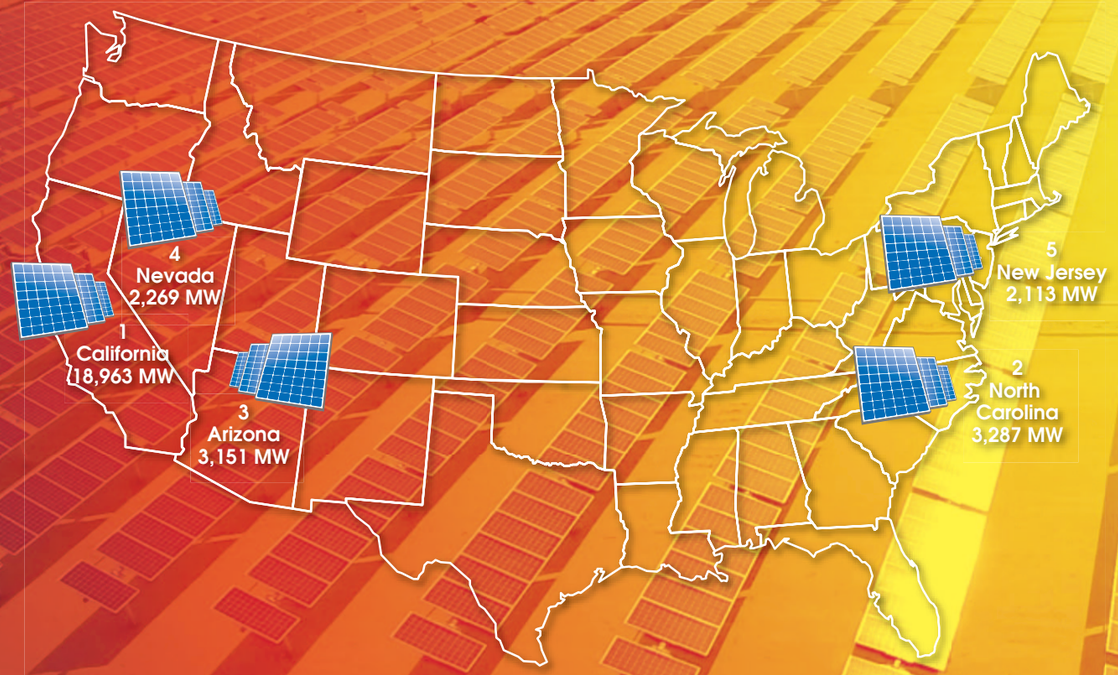
# NORTH AMERICAN SOLAR POWER SCORECARD

## United States

**Installed Solar Generating Capacity, end of Q1 2017: 44,700 MW**

In 2016, PV solar installations exceeded 15,000 MW, representing growth of 100.3 percent from 2015 annual installations (7,489.8 MW).
For the first time ever, solar ranked as the No. 1 source of new electric generating capacity additions brought online annually—39 percent.
On average, one new megawatt of solar PV capacity came online every 36 minutes in 2016.

### Top Five U.S. States—Grid Connected Capacity




### Top Five U.S. PV Solar Installations

1. Solar Star, California - 579 MW
2/3. Desert Sunlight Solar Farm, California - 550 MW and Topaz Solar Farm, California - 550 MW (tied)
4. Stateline Solar, Nevada - 300 MW
5. Antelope Valley Solar Ranch, California – 250 MW

*MW figures are MW-DC. Capacity numbers are through Q1 2017. Source: Solar Energy Industries Association (SEIA)/GTM Research U.S. Solar Market Insight, SEIA Major Projects List.*

## Canada

**Canada's total PV grid-connected capacity: 2,662 MW**

**PV installed in 2016: 143 MW**

- In its budget earlier this year, the Canadian government included several renewable energy-related initiatives including
  - $100 million to support smart grid, storage, and clean electricity technology demonstration projects.
  - $220 million to reduce the reliance of remote communities on diesel fuel and support renewable power.
  - $200 million to support the deployment of emerging renewable energy technologies nearing commercialization.

- Ontario is by far the leading province in solar power generation, with over 2 GW of solar installed and an additional 600 MW in the pipeline.

- The Canadian government has announced that by 2025, 100 percent of electricity used in their buildings and operations will be from renewable energy sources.

- The province of Alberta, best known for its oil and gas industry, has become a leader in renewable energy. It recently launched a residential and commercial solar program, supporting the installation of solar power on residential, multi-residential, and small commercial roofs, with the goal of achieving 10,000 new solar roofs.

- As part of its Climate Leadership Plan, the Alberta Government has committed to including solar electricity generation in the planning or design phase of the province's 36 new schools.

- The major utility in the province of Saskatchewan, SaskPower, has committed to managing emissions as it rebuilds the provincial electricity system. It has set a target of 50 percent of generation capacity from renewables by 2030. To achieve this goal, it will double the percentage of renewables in its supply mix in just 15 years, adding 60 megawatts of utility-scale solar generation by 2021.

*Source: Government of Canada, Natural Resources Canada. Figures are as of Dec. 31, 2016.*