

NORTH AMERICAN **SOLAR POWER** SCORE CARD

United States

Installed Solar Generating Capacity, end of Q1 2018: 55,900 MW

The growth in PV generated capacity during 2017: 10,608 MW

- * New PV capacity in 2017 was led by strong growth in the corporate and community solar segments. Last year in particular saw an “explosion” in the community solar market, led by Minnesota and Massachusetts.
- * The non-residential market segment got its moment in the spotlight in 2017, growing 28 percent year-over-year, notching its fourth straight year of annual growth.
- * California and North Carolina remain the two largest solar states after adding the most and second-most capacity in 2017, respectively.



Top Five U.S. PV Solar Installations

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

MW figures are MW-DC. Source: Solar Energy Industries Association (SEIA).

Canada - Solar Power

Total PV grid-connected capacity: 2,900 MW

Installed in 2017: 150 MW

- * Canada's federal government continues to support renewable power and electricity de-carbonization through several initiatives including:
 - The phase-out of coal-fired electricity generation and emissions standards for new natural gas-fired facilities.
 - An economy-wide price on carbon rising to \$50 per tonne in 2021 and an “Output-Based Pricing System” for emitting electricity generation.
 - The \$500 million Low Carbon Economy Challenge Fund, a \$100 million smart grid program, and \$220 million to reduce the reliance of remote communities on diesel fuel.
- * Ontario has been by far the leading province in solar power generation, with installed capacity edging toward 3 GW.
- * The province of Alberta, best known for its oil and gas industry, is rapidly becoming Canada's new leader for renewable energy. The province's installed solar capacity has increased five-fold, from 10 to 50 MW in two years and the procurement of 135,000 MWh of utility-scale solar electricity places it firmly on track to exceed 500 MW by 2025.
- * 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.
- * Significant growth is being experienced in other Canadian provinces and territories due to solar cost declines and a renewed national focus on climate action and clean growth.
- * Earlier this year, the Canada Pension Plan Investment Board made a major investment in renewables, with a \$1.75-billion agreement to buy a 49 percent stake in most of the wind and solar power assets of energy company Enbridge Inc.

Source: Canadian Solar Industries Association (CanSIA) www.cansia.ca.
Figures are as of December 31, 2017.