

# NORTH AMERICAN SOLAR POWER SCORE CARD

## U.S. Solar Power

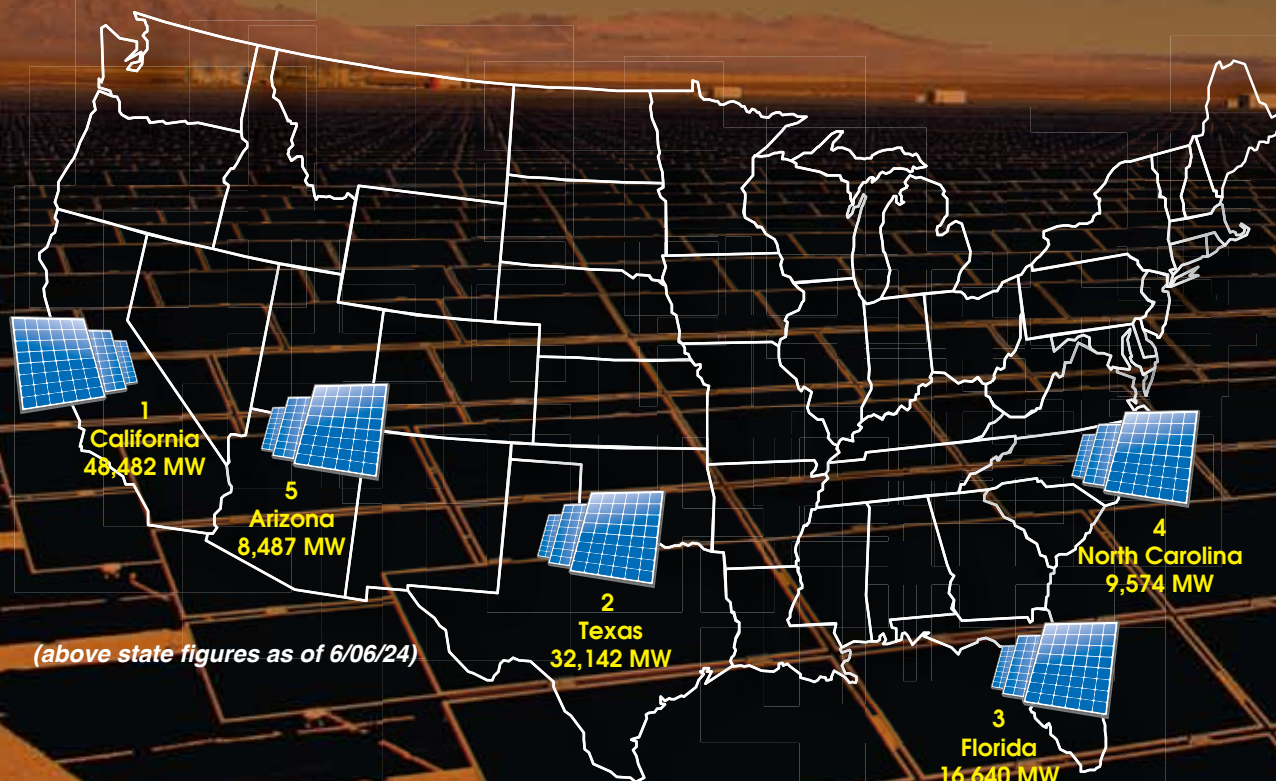
- Total amount of solar power installed in the U.S., to the end of Q2/2024: 200.1 gigawatts (GW)
- Estimated number of solar energy systems installed in the U.S.: 5,028,932

► Following a slow year in 2022, the U.S. solar industry experienced a rebound in 2023, continuing a growth trajectory that began in 2019. The U.S. clean power industry brought 19,561 MW of new solar capacity online in 2023—up 6.4 GW, or 49 per cent, from 2022.

► U.S. solar power saw a record year for installations, with solar accounting for 58 percent of all new clean power capacity additions. Falling costs for modules and panels amid global oversupply conditions helped power the surge in solar capacity installations in 2023.

► The Inflation Reduction Act (IRA) has stimulated new investment in U.S. clean power manufacturing. There are now over 60 utility-scale solar-related manufacturing facilities active in the U.S., supporting module making, polysilicon production, tracking technology, and bill of materials or balance of plant manufacturing.

### Top Five Solar Power U.S. States — Installed PV capacity



### Top Five Operating Solar Projects in the U.S.

1. Fox Squirrel Solar, Ohio – 577 MW
2. Atkina Solar, Texas – 500 MW
3. Roseland Solar, Texas – 500 MW
4. Five Wells Solar Center, Texas – 355 MW
5. Neptune Energy Center, Colorado – 325 MW

MW figures are MW-DC. Sources: Solar Energy Industries Association (SEIA, [www.seia.org](http://www.seia.org)), American Clean Power Association ([www.cleanpower.org](http://www.cleanpower.org)), National Renewable Energy Laboratory ([www.nrel.gov](http://www.nrel.gov)).

## Canada – Solar Power

- Total major solar energy capacity, end of 2023: 4,600 MW \*
- Installed in 2023: 449 MW

### Top five Canadian provinces for solar power:

Province	Total (MW)
Ontario	1914.7
Alberta	1418.5
Prince Edward Island	31.5
Saskatchewan	31.2
Quebec	11.8

### Canadian Solar Power Numbers

► Overall, the solar, wind and energy storage sector grew by a steady 11.2 percent in 2023 in Canada. The country had an installed capacity of 21.9 GW of wind power, solar power and energy storage at the end of last year. The industry added nearly 360 MW of new utility-scale solar, and 86 MW of new on-site solar in 2023.

► The province of Alberta saw steady, reliable growth again in 2023 on the solar power front adding 329 MW of utility-scale solar and 24 MW of on-site solar. Alberta had a further 1 GW of projects already under construction at the end of 2023.

► Ontario's installed solar power capacity is still the largest in Canada, at nearly 2 GW. There is no new wind or solar development expected in the short term (2024-2025) in Ontario, but the longer-term outlook includes up to 2 GW of new wind and solar by 2030-2031, and up to 3 GW of additional new wind and solar by 2034.

► The Quebec government has announced its intention to move forward with proposed regulations for a multi-phase solar power acquisition in Quebec, which is seen as a breakthrough for the solar industry in that province as it now only produces 15 megawatts (MW) of solar power.

► Canada's largest solar project remains the Travers Solar Project, in Alberta, about 80 miles southeast of Calgary. The \$700 million project is located on 3,330 acres of land and is 465 MW in size. The project has a 15-year power purchase agreement with online retailer Amazon for 400 MW, representing 86 percent of capacity.

\*The Canadian figures do not include behind-the-meter or rooftop installations. Source: Canadian Renewable Energy Association [www.renewablesassociation.ca](http://www.renewablesassociation.ca)