

NORTH AMERICAN SOLAR POWER SCORE CARD

U.S. SOLAR POWER

Total grid-connected PV generating capacity for the U.S., as of the end of 2020

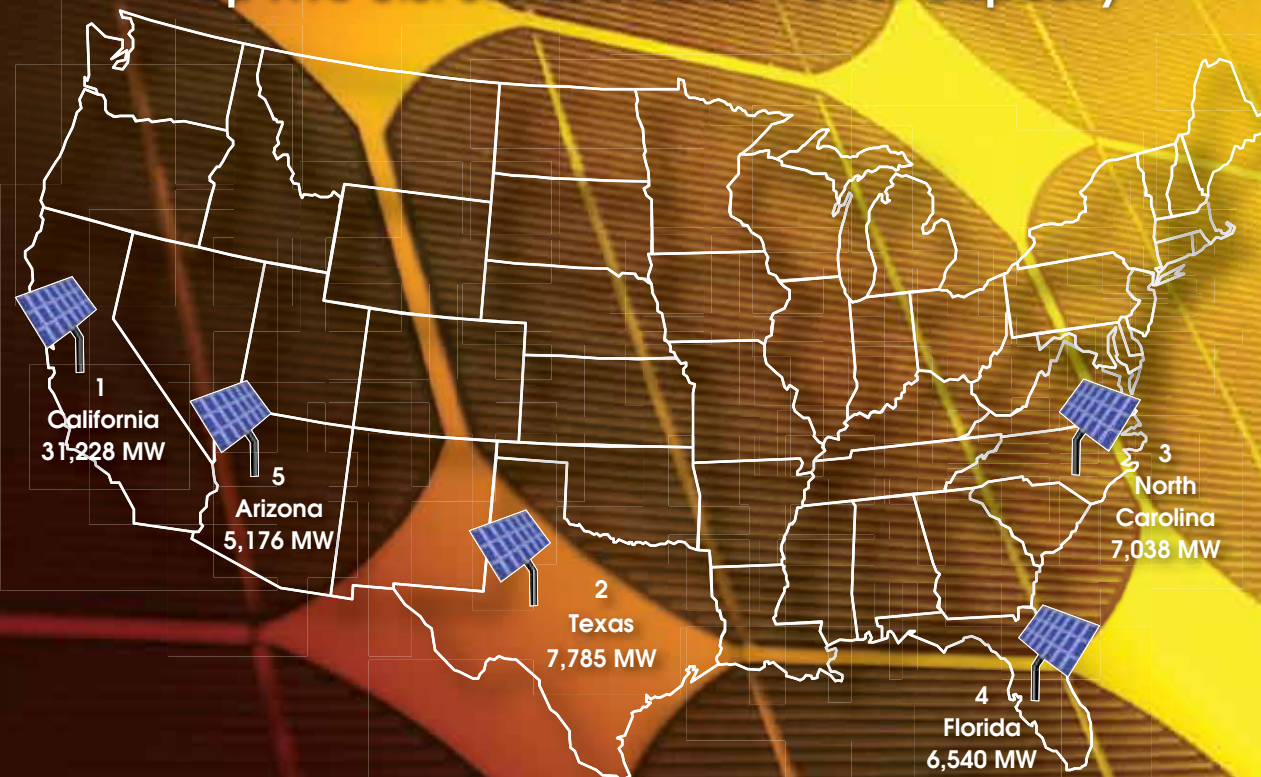
• 97,200 megawatts (97.2 GW)

Growth in PV generated capacity during 2020

• 15,800 MW of new solar PV capacity.

- * In 2020, a new solar project was installed every 75 seconds in the U.S., and over 3 percent of U.S. electricity now comes from solar energy, more than 36 times its share a decade ago. It's estimated that 13.4 percent of U.S. homes will have a solar PV system by 2030.
- * There is now enough solar power in the U.S. to power 17.7 million households. The value of the U.S. solar market in 2020 was \$24.1 billion
- * The U.S. installed 5 gigawatts of solar PV capacity in Q1 2021, setting a record, to reach 102.8 GW of total installed capacity. Solar accounted for 58 percent of all new electricity-generating capacity added in the U.S. in Q1. Under a business-as-usual scenario, the U.S. solar industry will install an additional 160 GW of capacity over the next 5 years.

Top Five U.S. States in Solar Power Capacity



Top Five U.S. PV Solar Installations

1. Solar Star, California - 579 MW
2. Copper Mountain, Nevada - 552 MW
3. Topaz Solar Farm, California - 550 MW
4. Desert Sunlight Solar Farm, California - 550 MW
5. Mount Signal Solar, California - 460 MW

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

CANADA SOLAR POWER

• Total PV grid-connected capacity, end of 2020: 3,670 M

• Installed in 2019: 270 MW

Canadian Solar Power Initiatives

- * Emissions Reduction Alberta launched the Energy Savings for Business program in January 2021. This joint federal-provincial program provides purchase rebates for a variety of energy retrofit measures including installing on-site solar PV; the solar PV funding envelope was quickly over-subscribed and its anticipated to bring at least 40 MW of behind-the-meter solar online at commercial and industrial sites across Alberta
- * The Government of Canada's \$2.6 billion Greener Homes Grant program provides incentives of up to \$1,000 per kW to a maximum of 5 kW for behind-the-meter residential solar PV, and \$1,000 toward the purchase of a residential battery storage system. The program is slated to run for seven years.
- * The Ministry of Energy of the Ontario Government announced a pilot project to examine Community Net Metering. Building on the current net metering framework, this model would facilitate the transfer or sharing of credits from generation facilities within a community across multiple metered accounts.
- * Copenhagen Infrastructure Partners and Greengate Power Corporation have started construction on Travers Solar in the province of Alberta, the largest solar PV project ever to be built in Canada. Travers Solar is expected to be fully operational by the end of 2022. With a total expected capital cost of approximately Cdn. \$700 million, Travers Solar will have an installed capacity of approximately 465 MWac/691 MWdc, consisting of approximately 1.3 million solar panels. Amazon has signed a corporate power purchase agreement to offtake up to 400 MWac from the project.
- * Canadian pipeline operator TC Energy Corp. could spend billions of dollars on its plans to lower carbon emissions by switching to renewable energy to run its huge network of Canadian and U.S. oil and gas pipelines.

Source: Canadian Renewable Energy Association www.renewablesassociation.ca