STATE SOLAR

North Carolina

Total solar installed (MW)
8,407
293 MW in 2022

Growth projection over the next 5 years (MW)
1,682
Ranks 30th

Solar jobs in the state¹
7,072
Ranked 11th in 2021

Enough solar installed to power 1,014,144 homes

Percentage of state’s electricity from solar² 9.05%

Value of the state solar market $11.3 billion with $537 million invested in 2022

Ranks 4th for total installed solar capacity

240 solar companies are currently operating in North Carolina³
39 manufacturers
96 installers/developers
105 other companies

North Carolina Annual Solar Installations

Learn more at seia.org/states

July 2023
More information about solar energy in North Carolina

- Albermarle Beach Solar in Roper was developed by SunEnergy and came online in 2020. This 150.6 MW project produces enough electricity to power 17988 homes.

- Meta, Fifth Third Bank and Starbucks have all gone solar in North Carolina. Meta’s 119 MW Gutenberg project in Garysburg is one of the largest solar projects in the state.

- At 134 MW, Fern Solar in Battleboro is among the largest solar installations in North Carolina. Completed by BayWa r.e. in 2020, this solar project has enough electric capacity to power more than 16005 homes.

References
All data from SEIA/Wood Mackenzie Power & Renewables, Solar Market Insight® unless otherwise noted: https://www.seia.org/smi
2Energy Information Administration, Electric Power Monthly: https://www.eia.gov/electricity/monthly/#generation
3SEIA, National Solar Database: https://www.seia.org/research-resources/national-solar-database