

STATE SOLAR

spotlight

North Carolina

Ranks
4th
for total installed
solar capacity

Total solar installed (MW)

9,310.24

636.15 MW in 2023

Growth projection over
the next 5 years (MW)

2,345.28

Ranks 23rd



Solar jobs in the state¹

7,072

Ranked 11th in 2023



Enough solar
installed to power

1,169,056
homes

Percentage of state's
electricity from solar²

9.34%



247

solar companies are
currently operating in
North Carolina



39
manufacturers



97
installers/developers



111
other companies

Value of the state solar market

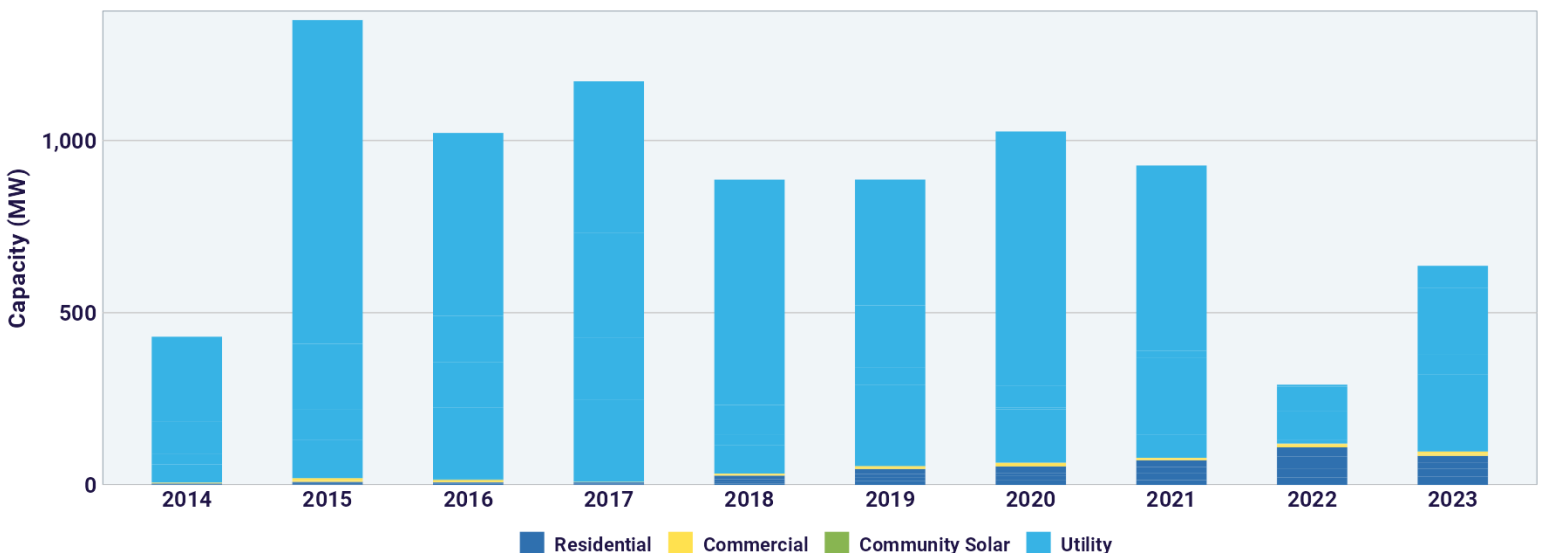
\$12.8
billion

\$856 million invested in 2023

Price decline over
the last ten years

47%

North Carolina Annual Solar Installations



STATE SOLAR *spotlight*

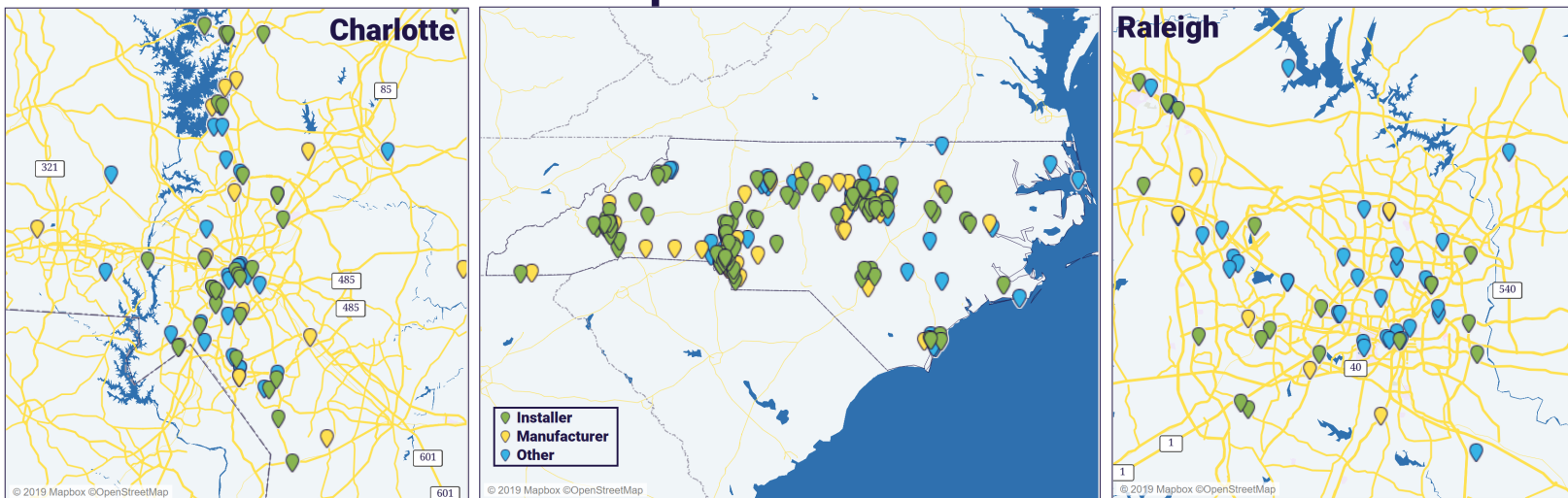
North Carolina

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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.

Solar Companies in North Carolina



References

All data from SEIA/Wood Mackenzie Power & Renewables, Solar Market Insight© unless otherwise noted: <https://www.seia.org/smi>

¹National Solar Jobs Census 2023: <https://irecusa.org/programs/solar-jobs-census/>

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>

⁴SEIA, Solar Project Tracker (includes Solar Means Business: <https://www.solarmeanbusiness.com>, Major Solar Projects List: <https://www.seia.org/research-resources/major-solar-projects-list> and Solar in Schools: <https://www.seia.org/research-resources/brighter-future-study-solar-us-schools-0>