STATE SOLAR *spotlight*

North Carolina

Ranks 4th for total installed solar capacity

Total solar installed (MW)
9,698.00
874.97 MW in 2023

Growth projection over the next 5 years (MW)
↗ ### 2,688.14
Ranks 24th

Solar jobs in the state[1]
7,072
Ranked 11th in 2023

Enough solar installed to power
1,173,370 homes

259
solar companies are currently operating in North Carolina

40 manufacturers

102 installers/developers

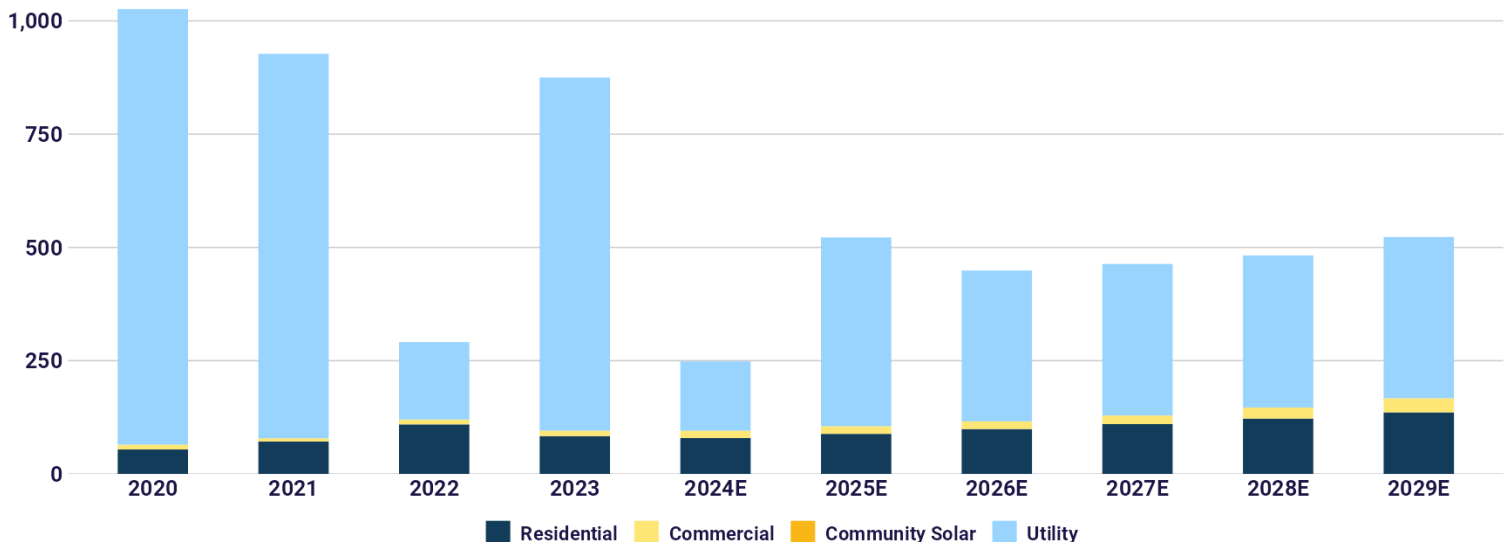**117** other companies

Value of the state solar market
$13.3 billion
$1.1 billion invested in 2023

Percentage of state's electricity from solar[2]
9.33%

Price decline over the last ten years
43%

North Carolina Annual Solar Installations

Capacity (MW)

Year	Capacity
2020	~1,030
2021	~925
2022	~290
2023	~875
2024E	~250
2025E	~520
2026E	~450
2027E	~460
2028E	~485
2029E	~525

Legend: ■ Residential ■ Commercial ■ Community Solar ■ Utility

SEIA Solar Energy Industries Association®
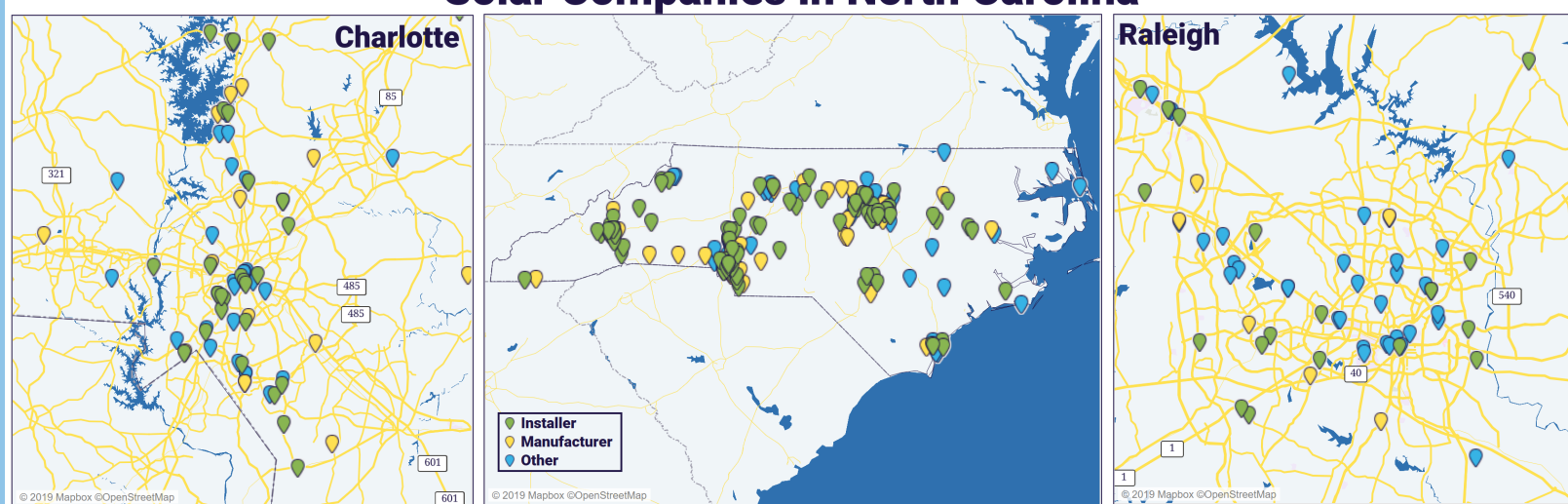
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More information about solar energy North Carolina

- 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

Charlotte

Raleigh

Legend:
- Installer
- Manufacturer
- Other

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References

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

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

[2]Energy Information Administration, Electric Power Monthly: https://www.eia.gov/electricity/monthly/#generation

[4]SEIA, Solar Project Tracker (includes Solar Means Business: https://www.solarmeansbusiness.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

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