NC SOLAR State Spotlight



RANKINGS

5th
for total installed solar capacity

CAPACITY		
18th Residential	4th Utility	26th Non-Residential DG
PER CAPITA		
33rd Residential	8th Utility	35th Non-Residential DG

Total Solar Installed
10.1 GW
400 MW in 2025

7,500
Solar Jobs
Ranks 11th

NC Solar Market Value
$15.3B
$671M Invested in 2025

Total Utility-Scale Storage Installed
1.1 GWh

Powered by
254
Solar Companies

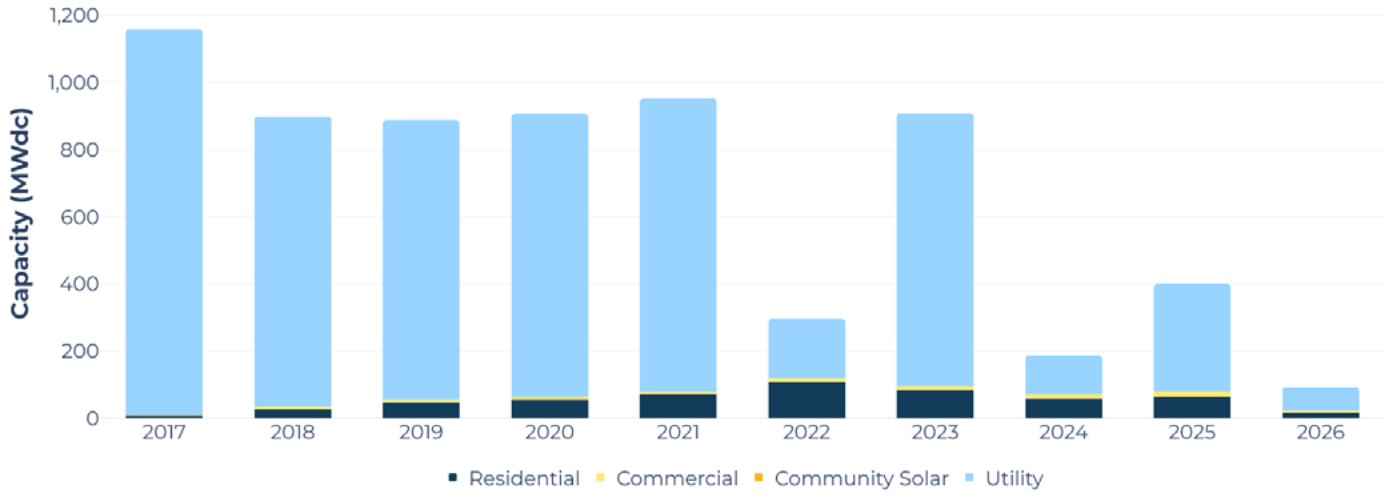
Growth Projection Over the Next 5 Years
3.2 GW
Ranks 26th

10.20%
of NC electricity is from solar

Enough Solar to Power
1,227,554
NC Homes

1.90%
of NC homes have solar

North Carolina Annual Solar Installations



SEIA Solar Energy Industries Association®

SEIA.org/NorthCarolina
November 2026

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5th for total installed solar capacity

7,500 solar jobs across the state

COMMUNITY IMPACT

Appalachian Communities Turn to Solar for Storm Resilience



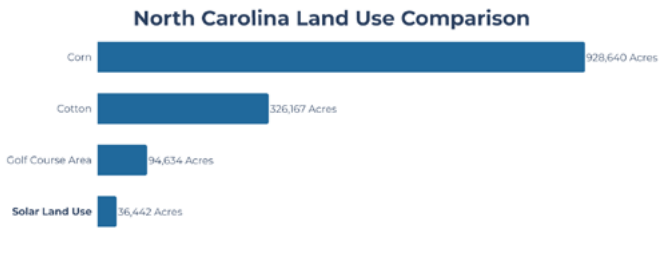
Following Hurricane Helene, Yancey County received a solar generator at a local church to provide power. The solar generator continues to deliver for the community, allowing a man to call for air medical services during an emergency.

Former Airport Home to Powerful Solar Field

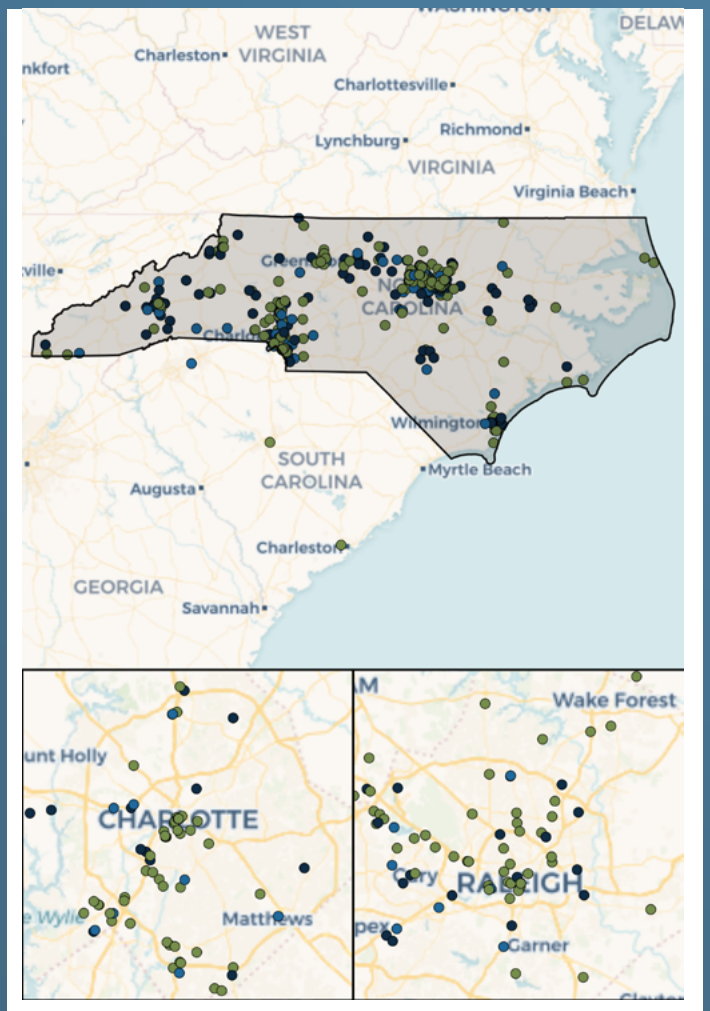


On land previously occupied by an airport, the University of North Carolina Chapel Hill has installed a solar array expected to produce 500,000 kWh annually, the fifth installation on the Chapel Hill campus. This will lead to thousands in savings annually for the university.

STATE LAND USE



254 Solar + Storage Companies in NC



48 Manufacturers
88 Developers
118 Other Companies

Reference data: **seia.org/states**
November 2026

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