

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

873 MWh

Powered by

254

Solar Companies

Growth Projection
Over the Next 5 Years

3.3 GW

Ranks 25th

10.10%

of NC electricity
is from solar

Enough Solar to Power

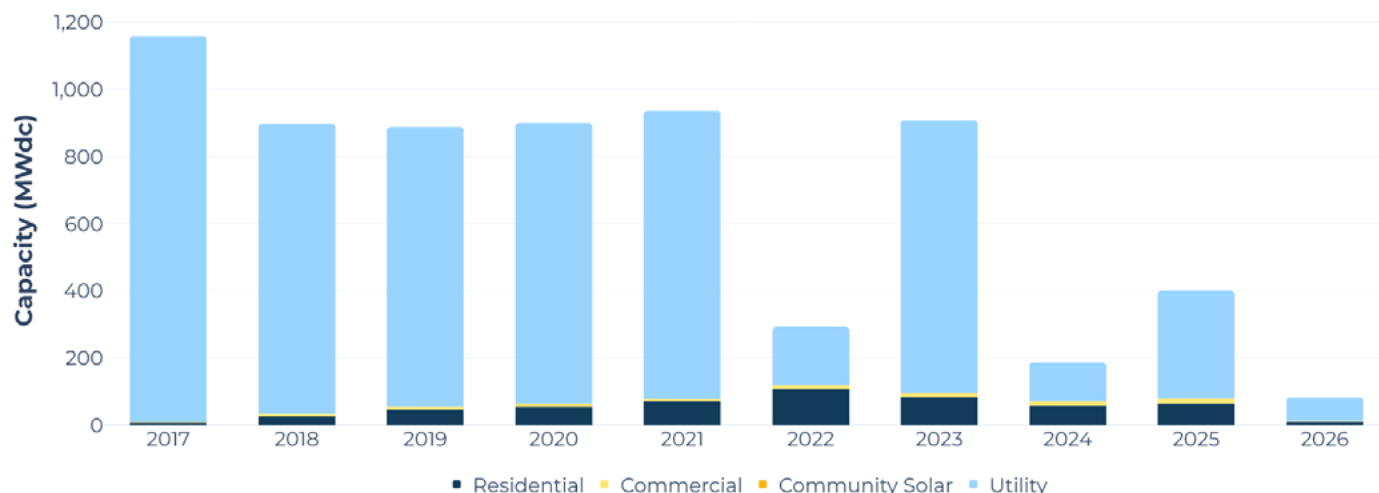
1,219,084

NC Homes

1.90%

of NC homes
have solar

North Carolina Annual Solar Installations



NC SOLAR

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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.

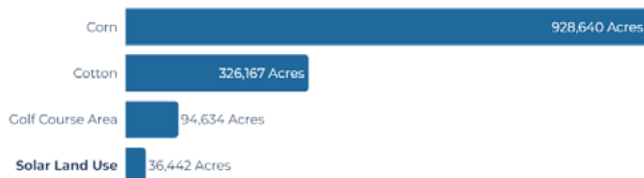
Former Airport Home to Powerful Solar Field



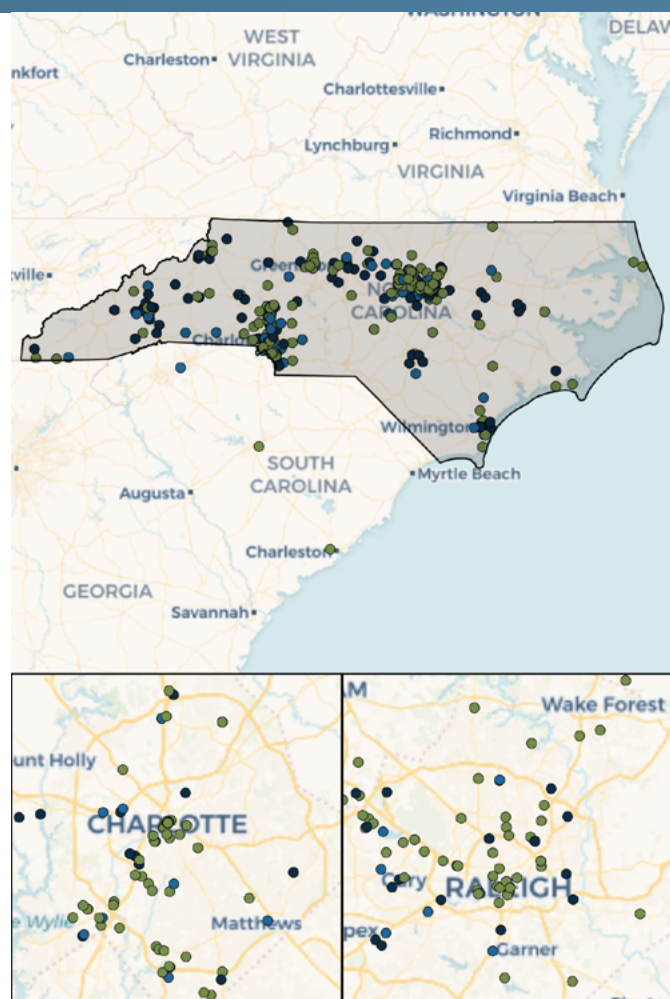
On land previously occupied by an airport, the University of North Carolina Chapel Hill has installed a solar array expected to produce 500,000 kWh annually, the fifth installation on the Chapel Hill campus. This will lead to thousands in savings annually for the university.

STATE LAND USE

North Carolina Land Use Comparison



254 Solar + Storage Companies in NC



48 Manufacturers
88 Developers
118 Other Companies