

CLEAN ENERGY JOBS GROWING IN NORTH CAROLINA

July 2025



\$1.1 billion awarded through IIJA and IRA



\$1.1 billion private investment and **3,137 jobs** in manufacturing



4th highest solar generation capacity

3,100 Manufacturing Jobs Announced in North Carolina

Private companies have announced **\$1.1 billion in investment** into the manufacturing of clean energy generation technology in North Carolina, which is expected to create over **3,137 jobs**.¹ All of that investment has been announced in the last four years and 54 percent is expected to be invested in Republican Congressional districts.



SOLAR ENERGY
\$303 million announced to support 928 jobs



WIND ENERGY
190 announced jobs



TRANSMISSION & GRID
\$780.7 million announced to support 2,019 jobs

The largest manufacturing facility by investment is the Boviet Solar manufacturing facility at \$294 million in announced investments with 900 announced jobs. This is followed by the MetOx transmission and grid facility at \$194 million in investment and 333 announced jobs.²

North Carolina Leads in Solar Generation

North Carolina continues to be a leader in clean energy. As of May 2025, North Carolina had the **fourth-highest solar generation capacity in the nation at 6,791 megawatts (MW)**, out of a total statewide clean energy capacity of 15,200 MW. This total generation capacity, enough to power approximately 2.7 million homes, increased by 13 percent from 13,413 MW in 2020 although solar capacity outpaced this growth significantly by increasing by 30 percent.³ An additional 1,530 MW of clean energy generation capacity is currently planned or under construction, of which 1,400 MW is solar. Clean energy accounts for 42 percent of

¹ In this fact sheet, “clean energy” includes technologies that produce net-zero emissions.

² Manufacturing jobs include publicly announced, committed manufacturing jobs. Not all jobs may be realized. All manufacturing data sourced from the [Clean Economy Tracker](#). Accessed July 5, 2025.

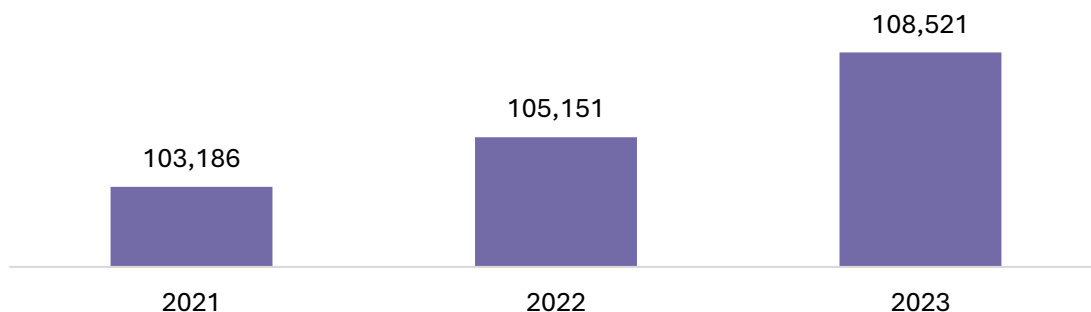
³ The American Clean Power Association [estimates](#) that 1 MW of clean energy can power approximately 179 homes.

total operating, planned, and under construction generation capacity in North Carolina and 76 percent of those projects are in Republican Congressional districts.⁴

Clean Energy Jobs Have Grown in North Carolina

Electric power generation accounted for **21,816 jobs** in North Carolina in 2023. Of these, 1,569 were in wind electricity and 9,819 in solar electricity, accounting for 52 percent of electricity generation.⁵

Clean energy jobs in North Carolina have grown just over five percent since 2021. In 2023, North Carolina had **108,521 clean energy jobs**, up from 103,186 in 2021.



Source: [Energy Employment by State 2024](#).

\$1.1 Billion Awarded to North Carolina in Federal Funding

North Carolina has been awarded **\$1.1 billion** in federal funding for clean energy generation, storage, efficiency, and grid improvement programs from the Infrastructure Investment and Jobs Act and the Inflation Reduction Act, excluding loans and tax credits, and including multi-state awards. This funding has been awarded across programs and projects including:

- **\$167 million** for the manufacturing of new batteries for grid storage and transportation uses.
- **\$156 million** for community, rooftop, and utility scale solar installation, especially in underserved areas and for low-income homes.
- **\$57 million** for grid improvements to strengthen reliability and resilience and mitigate outages and disruptions due to extreme weather, wildfire, and other natural disasters.⁶

⁴ [Clean Economy Tracker](#). Accessed July 5, 2025.

⁵ United States Energy & Employment Report, [Energy Employment by State 2024](#), Department of Energy

⁶ Funding amounts exclude awards that have been confirmed canceled by the Trump Administration but do include awards that are currently in litigation or otherwise on hold. Funding amounts are based on program and a given program may include projects in multiple sectors. These have been disaggregated to the extent possible but some over- and/or undercounting may remain. All funding data sourced from the [Climate Program Portal](#). Accessed June 14, 2025.