

# NORTH CAROLINA CLEAN ENERGY JOBS & ECONOMIC IMPACT REPORT

2023

North Carolina has established itself as a national leader in the clean energy sector, consistently achieving top rankings for its clean energy employment, economic investments, and installed clean energy projects. The state ranks 4th in the nation for solar energy generation and 9th for its combined wind, solar, and energy storage. Perhaps even more economically significant, North Carolina is an emerging leader in the electric vehicle industry.

## NORTH CAROLINA CLEAN ENERGY JOBS = 105,370



Renewable  
Energy

12,606



Clean  
Vehicles

9,049



Energy  
Efficiency

78,338



Storage &  
Grid

3,857

9th

In the Nation

+1,898

Net New Clean Energy Jobs

1.8%

Annual Job Growth

NATIONAL CLEAN ENERGY JOBS = 3.3M

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*For Toyota to have an EV strategy, this is a mission that is critical to them, so we're excited about it... This part of North Carolina is going to touch every kind of electric vehicle made in the future. The road to electrification goes through Guilford County.*

**Brent Christensen, CEO  
Greensboro Chamber of Commerce**

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## \$9.78B

Drawing on its legacy of clean energy leadership and the passage of the Bipartisan Infrastructure Legislation (BIL), Inflation Reduction Act (IRA), and state-led programs, North Carolina's economy is seeing enviable growth.

In the last year alone, North Carolina secured \$9.78 billion in clean energy investments, ranking the state 10th in the nation. These investments are poised to generate over 4,700 jobs, with half expected to benefit rural communities.

### Highlights of those new investments include:

- **\$233M invested & 350 jobs** at new lithium-ion battery manufacturing facility, *Linwood*
- **\$650M invested & 500 new jobs** for new graphite production facility for EV batteries, *Wilmington*
- **506 jobs with \$220M invested** by Siemens Mobility for new manufacturing center, *Lexington*
- **\$165M announcement** by Forge Nano for new lithium-ion battery plant, *Morrisville*
- **\$18.3M investment** by alpitronic Americas LLC, a high-power EV manufacturer, to create 300 new jobs at its new US headquarters, *Charlotte*
- **205 new jobs & \$4.2M expansion** by EV supply chain company Atom Power, *Huntersville*

## \$8B

### Toyota EV Battery Plant Expansion

*Liberty*

Toyota is investing further in their battery manufacturing batteries for hybrid electric vehicles (HEVs) and battery electric vehicles (BEVs) using 100% renewable energy. The expansion will be completed in 2025, bringing:

- 3,000 additional jobs (5,000 total)
- \$13.9 billion total investment

### ANNUAL REVENUES

## \$30.7M

Property, state, & local tax revenues from clean power projects

## \$43M

Annual income to farmers, ranchers, & private landowners via clean energy projects