

North Carolina's Clean Energy Manufacturing Industry

North Carolina is ranked as a top manufacturing state in the nation, and part of this success story involves clean energy components and products being developed and manufactured in all regions of our state.

- Ranked as one of the **top states for manufacturing and business**.
- **Highest concentration of Tier 1 research universities** in the country.
- The manufacturing industry helps to maintain our state's competitive advantage by contributing to the local economy and building the workforce pipeline.

Source: *What are the Best States for Manufacturing?*, Site Selection Group (July 2015); *The Top 10 States for Manufacturing*, Chief Executive (May 2016); *Energy*, The Economic Development Partnership of North Carolina (EDPNC) (2016).

“Schletter established a presence in the Carolinas, among other things, to be close to our customers and suppliers in a growing solar market. We pride ourselves on doing business with companies firmly planted in the southeast. **About 85% of the materials and supplies that go into our solar racking systems are sourced from companies in North Carolina.** The bottom line is we need to be nimble and quick to respond to our customers’ and our local sourcing strategy allows us to meet the needs of all our customers.”

- *Guy Roberts, Chief Operations Officer, Schletter Inc.*

Clean energy by the numbers

\$7
Billion
in NC Revenues

|

26,154
Full time jobs
in NC

Manufacturing and production

9%
Increase
in jobs since 2014

Source: 2015 NCSEA Clean Energy Industry Census.



Schletter Inc. | Shelby, NC

In 2016, Schletter projects will consume in excess of 60 million pounds of steel to manufacture their solar racks including their top selling product—FS Uno.



Trane | Brand of Ingersoll Rand | Charlotte, NC
Remanufacturing facility operating since 1973 and
employees with an average of 18 years of service.

“We know our success in the marketplace leads to reduced energy use and lower greenhouse gas emissions across our operations and product portfolio. Across the state, we have more than **2,900 employees** who are committed to creating comfortable, sustainable and efficient environments that advance the quality of life in North Carolina and around the globe.”

- *Owen Smith, Director of Energy Policy and Strategy, Center for Energy Efficiency & Sustainability (CEES), Ingersoll Rand*

Ingersoll Rand's North American Headquarters and Corporate Center is located in Davidson, NC.

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Supporting a business-friendly environment to give our state a competitive edge

The characteristics that typically drive manufacturers to locate in a particular state include “**workforce availability and costs, transportation and logistics, business environment, regulatory climate, utilities and infrastructure, real estate and economic incentives**”.

Source: *What are the Best States for Manufacturing?*, Site Selection Group (July 2015).



Appalachian State University | Boone, NC



Eaton | Raleigh, NC

This facility specializes in quick ship and custom panelboard and switchboard assemblies for the local market. As one example of Eaton's localize manufacturing, it helps provide their customers with efficient, reliable, safe, and sustainable power solutions.

Wind Industry in North Carolina

- In 2015, between **501 to 1,000 direct and indirect jobs** were supported by the wind industry.
- Over **27 active manufacturing facilities** in NC.

Source: *North Carolina Wind Energy*, AWEA.

“As a global technology leader in power management solutions, Eaton understands the importance of maintaining a strong, localized engineering and manufacturing presence in the states in which our customers operate. **The business friendly clean energy policies here in North Carolina have helped the state attract major investments in sectors such as solar and data center operations, so it only made sense for us to locate one of our manufacturing facilities in the Raleigh area.** “

- *Ryan Whitmore, Alternative Energy Sales Specialist, Eaton*

Exports of goods and services need viable in-state markets

Firms engaged in clean energy product manufacturing and production across North Carolina led in exporting goods out of state in 2015, with **44% going to regional, national, or world-wide markets.**

Source: 2015 NCSEA Clean Energy Industry Census.

2015 destination markets for NC clean energy products

