

2021 NORTH CAROLINA CLEAN ENERGY JOBS & ECONOMIC IMPACT REPORT



The stage is set for North Carolina to establish a bright, resilient, clean energy future with more than 8,000 MW of clean energy already installed in the state, accounting for 14.8% of the electricity generated in 2020. Clean energy investment in the state includes more than 35 utility scale solar installations, the largest on-shore wind farm in the southeast and over 2800 alternative fueling stations. Additionally, 66 NC based companies have a robust goal to be 100% renewable energy powered and 60 percent of the state's top 50 employers have aggressive sustainability, EV and clean energy goals. Add to this a state goal of 8,000 MW of new, offshore wind development, and NC is positioned to lead the southeast and nation in building a strong, clean energy economy.

NC CLEAN ENERGY JOBS = 99,670



Solar & Wind
Energy

9,103



Energy
Efficiency

76,473



Clean
Vehicles

7,197



Storage &
Grid

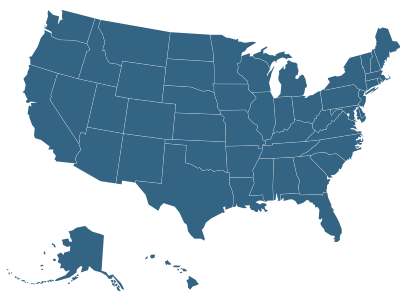
3,313

Clean Energy Employment

#1 Rural Clean Energy
Jobs in the Nation

#9 Total in the Nation

52% Share of Energy
Sector Employment
in the State



National Clean Energy Jobs = 3,048,603

Energy Efficiency	Renewable Energy	Grid & Storage	Electric Vehicles
2,107,174	492,891	137,872	273,630

North Carolina

RENEWABLE ENERGY ECONOMIC BENEFITS

\$13 billion



Capital invested in wind, solar, and energy storage projects as of 10/2021

\$55.4 million

Annual property, state, and local taxes paid in North Carolina via renewable energy projects in 2021

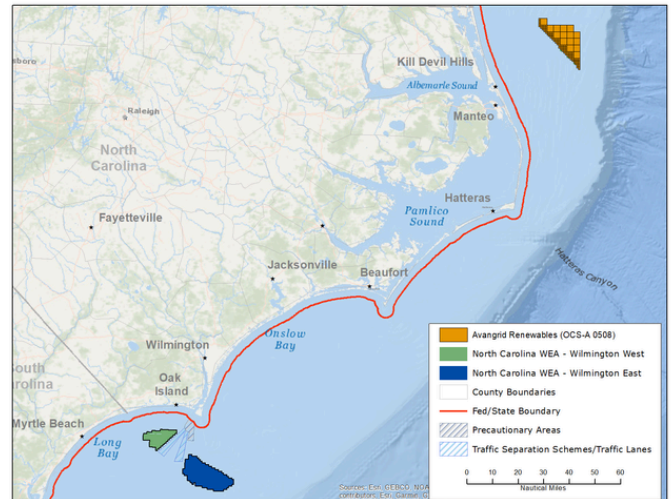
\$29 million

Annual income to farmers, ranchers, and other private landowners via renewable energy projects in 2021

Spotlight:

NC PREPARES TO SECURE ITS SHARE OF \$140 BILLION IN OFFSHORE WIND MARKET

With a state goal of 8,000 MW of offshore wind development by 2040, North Carolina has the highest technical potential for offshore wind generation among Atlantic coast states and is home to the largest manufacturing economy on the East Coast to support the industry. This once-in-a-generation economic opportunity will generate these estimated economic impacts:



- **\$100+ Million** in Tax Revenue
- **\$10+ Billion** in construction activities and sales
- **Thousands of jobs** with average annual earnings of \$141,000 for onsite workers and \$78,000 for jobs within the supply chain
- **\$100 Billion** in supply chain investment potential with 55 existing NC wind component manufacturers, many of which can retool to supply the offshore wind industry
- **Port investments** such as dredging and improvements in heavy-lift capabilities to facilitate offshore wind activities that can support all NC port industries

Sources:

1. E2: Clean Jobs America 2021, <https://e2.org/wp-content/uploads/2021/04/E2-2021-Clean-Jobs-America-Report-04-19-2021.pdf>
2. America Clean Power, https://cleanpower.org/wp-content/uploads/2021/10/North-Carolina_clean_energy_factsheet.pdf
3. National Renewable Energy Laboratory (NREL), <https://www.nrel.gov/docs/fy10osti/45889.pdf>
4. North Carolina Sustainable Energy Association, <https://energync.org/>
5. Avangrid Renewables' Kitty Hawk Offshore Wind, <https://bit.ly/3b1esTb>
6. North Carolina Department of Commerce, <https://www.nccommerce.com/>
7. WRAL Tech Wire, <https://www.wraltechwire.com/2021/04/19/north-carolina-ranks-1st-in-nation-for-rural-clean-energy-jobs-9-overall/>
8. E2: Clean Jobs North Carolina 2020, <https://e2.org/reports/clean-jobs-north-carolina-2020/>