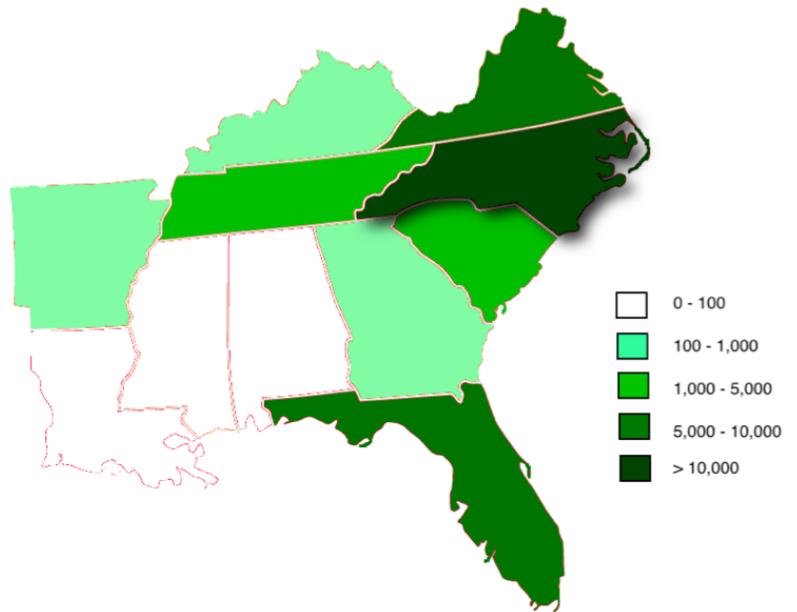


NORTH CAROLINA'S GROWING WIND ENERGY INDUSTRY

North Carolina has a Significant Role to Play in the Wind Energy Industry According to DOE's 20% Wind Energy by 2030 Report

In 2008, the U.S. Department of Energy published a report on how to achieve 20% of the nation's electrical supply from onshore and offshore wind power. In that report, DOE estimated that North Carolina would supply **more than 10,000 MW** of onshore and offshore wind energy combined by 2030. **Up to 20,000 manufacturing jobs** would be created in North Carolina from this scenario. The National Renewable Energy Laboratory estimates that for every one megawatt of offshore wind capacity built, more than 20 jobs are created including manufacturing, construction, operations and maintenance jobs.



Installed Wind Capacity in Megawatts (2030) - U.S. Department of Energy's 20% Wind Energy by 2030 report, 2008

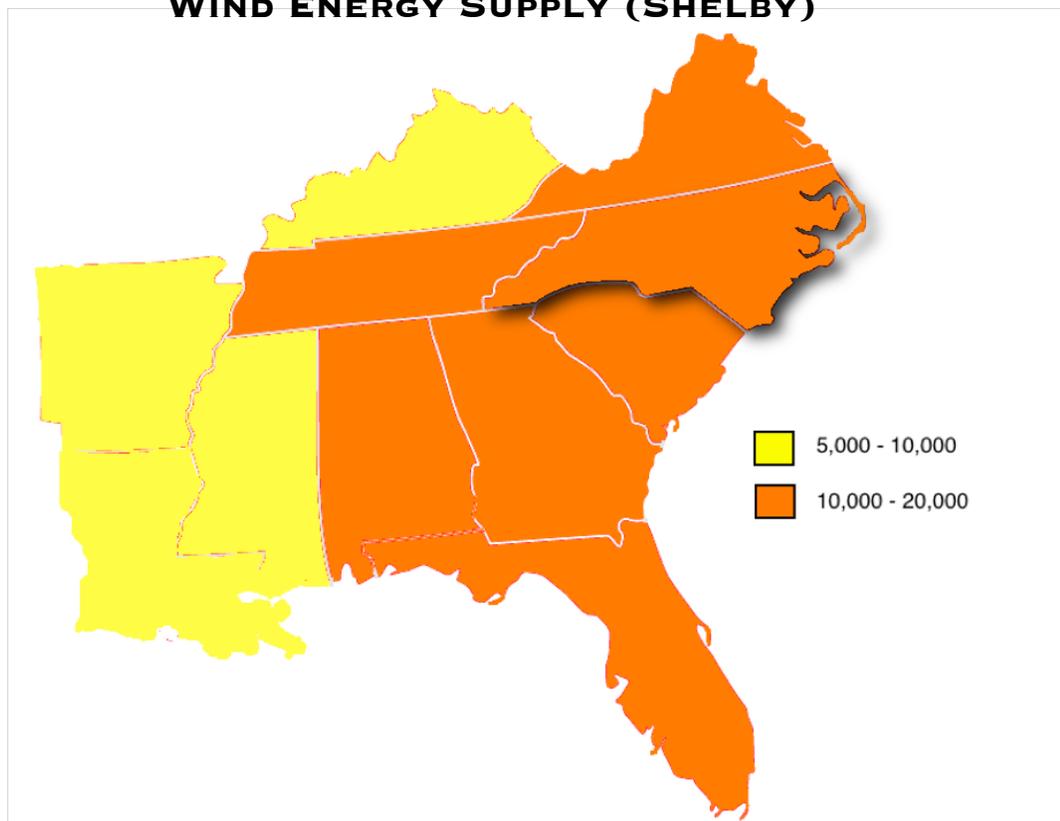
North Carolina's wind resource is vast; however, no large-scale wind farms have been built onshore or offshore from the Tarheel state. Nearly 4,500 megawatts (MW) of onshore wind resource exists in North Carolina, and another 297,000 MW resides offshore. A single megawatt of wind capacity can generate enough electricity for up to 300 homes. Modern onshore wind turbines are generally 2 MW in capacity, and offshore wind turbines are currently available up to 5 MW.

Recently, two onshore wind farms have been proposed in North Carolina: a 300 megawatt (MW) project by Iberdrola (a Spanish company with a Portland, Oregon-based North American division) in Pasquotank and Perquimans counties, and another 300 MW project by Invenergy (a USA-based company) in Camden and Currituck counties. These projects represent more than \$1 billion in North Carolina wind energy investments. North Carolina is the only state in the Southeast with a Renewable Portfolio Standard – an important policy necessary to encourage renewable energy development.

September 2011

Already several companies in North Carolina support the wind industry, even though the state has no large-scale wind farms installed. The following is a non-exhaustive list of a few of those companies and where they are located:

**AMERICAN ROLLER BEARING COMPANY (HICKORY) • BIJUR
DELIMION INTERNATIONAL (MORRISVILLE) • COMMScope
(HICKORY) • GEOPIER FOUNDATION COMPANY
(MOORESVILLE) • HAWE HYDRAULICS (CHARLOTTE)
LORD CORP (CARY) • PPG (SHELBY)
ROCHLING ENGINEERING PLASTICS (DALLAS)
WIND ENERGY SUPPLY (SHELBY)**



Wind Manufacturing Jobs in Job-Years (2030) - U.S. Department of Energy's 20% Wind Energy by 2030 report, 2008

Despite the wind energy industry presence in North Carolina already, if the state is going to achieve the Department of Energy's scenario to develop more than 10 gigawatts worth of wind capacity and generate up to 20,000 in-state manufacturing jobs by 2030, the state will need to recognize renewable energy as a valuable economic engine. **North Carolina should work to diversify their energy economy with renewable energy sources and the state's federal delegates should propose and support stable tax incentives for the wind industry.**

September 2011