

OFFSHORE WIND MANUFACTURING: Billions Invested in South Carolina

The Carolinas are uniquely positioned to answer domestic supply chain demand

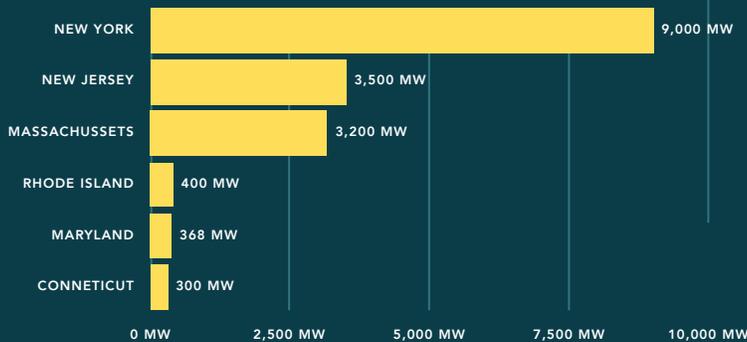
The offshore wind industry is emerging quickly in the U.S. As the demand for offshore wind grows, so too will the demand for a domestically sourced supply chain. Currently, no major offshore wind components are manufactured in the U.S. The industry, primarily located in the EU, is looking to locate facilities in the U.S. to meet significant demand committed to by east coast states.

According to a 2019 Special Initiative for Offshore Wind report¹, the offshore wind industry will create approximately \$70 billion in capital expenditure opportunities for U.S. businesses in the offshore wind supply chain by 2030.

A report² from E2 found that in South Carolina, the offshore wind industry could create "a total of 5,647 jobs created through construction. Additionally, \$242 million in wages, \$401.6 million in value added, and \$877.8 million economic benefits."

EAST COAST OFFSHORE WIND CONTRACTS AND PROCUREMENT GOALS:

As of September 2019



South Carolina already has businesses leading this industry. Nexans, located in Charleston, is a premier cable manufacturer and Clemson is testing the next generation of wind turbines in their state-of-the-art drivetrain test facility.

PRELIMINARY STEPS NEEDED FOR SOUTH CAROLINA:



A ports analysis to identify existing assets and needed improvements



A supply chain analysis to provide a roadmap for the most cost-effective ways to pursue part of the offshore wind supply chain



Exploring a regional supply chain collaboration with neighboring states to compete with the significant development activity in the Northeast

1) Stephanie McClellan, "Supply Chain Contracting Forecast for U.S Offshore Wind Power", Special Initiative on Offshore Wind, University of Delaware. White paper. 2019.

2) "Offshore Wind - Generating Economic Benefits on the East Coast", Environmental Entrepreneurs & BW Research Partnership. White paper. 2018.