

ECONOMIC BENEFITS OF OFFSHORE WIND FOR SOUTH CAROLINA

South Carolina Can Act

South Carolina should capitalize on its supply chain and manufacturing capabilities to take advantage of the \$70B offshore wind industry and conduct a study to better understand the economic potential for the state.



Strengthening Domestic Supply Chain & Manufacturing

- In 2012, South Carolina's existing wind energy supply chain generated an estimated \$530 million in total output in the state¹
- South Carolina is home to fifteen active wind manufacturing facilities, such as Nexans, ILJIN, Prince Manufacturing, and many companies that could expand their in-state operations to serve the offshore wind market

South Carolina Advantage



Advanced port infrastructure and robust auto industry expertise through ports of Charleston, Mount Pleasant, and North Charleston



Synergy with existing industries including automotive instrumentation, advanced composites, shipbuilding, and logistics²



World-class universities that serve as a pipeline for graduates to stay in-state. The Dominion Energy Innovation Center houses the Duke Energy eGRID, an electrical grid simulator, and the world's most-advanced wind-turbine drivetrain testing facility

Economic Potential

An analysis utilizing the National Renewable Energy Lab's economic modeling tool for a 2,400-megawatt offshore wind farm off the coast of South Carolina in 2030 demonstrates the significant economic opportunity this industry presents:

12,842

FTE JOBS

During construction

\$2.5

BILLION

Local economic output during construction

700+

FTE JOBS

During operations

\$4.5

BILLION

Local economic output during operations

STATEWIDE OPPORTUNITIES

Organizations across South Carolina showcase the state's strong network of manufacturers and supply chain companies:

Subsea Cables and Transmission:

- Nexans
- Prysmian Group
- TE Connectivity
- SKF
- DBK USA

Education and Research:

- Coastal Carolina University
- Clemson University's Dominion Energy Innovation Center
- South Carolina Coastal Conservation League

Components and Services:

- RBC Bearings
- Timken Company
- Normandeau Associates
- ILJIN
- DAK Americas
- Ahlstrom Specialty Reinforcements
- SC Wind Turbines, LLC
- Lindau Chemicals
- Tindall Corporation
- Sandvik – Westminister
- Tate Metalworks
- SteelFab, Inc.



¹ 1 Colbert-Busch, E., Carey, R., Saltzman, E. 2012. South Carolina Wind Energy Supply Chain Survey and Offshore Wind Economic Impact Study, Clemson University

² American Jobs Project. 2018. The South Carolina Jobs Project