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:

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<tr>
<td>During construction</td>
<td>$2.5</td>
<td>During operations</td>
<td>$4.5</td>
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<td>Local economic output during construction</td>
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