

OFFSHORE WIND IN LOUISIANA

WHY OFFSHORE WIND?

Offshore wind in the Gulf of Mexico has significant potential to power economic development in Louisiana and other Gulf states. The **offshore wind industry will bring an estimated \$70 billion in economic investment to the U.S.** as we go from the current 42 megawatts (MW) of installed capacity to over 30,000 MW in the next decade¹. Louisiana must lay the groundwork for offshore wind development by signaling to this global industry that the state is open for business.

ECONOMIC POTENTIAL

A 2020 analysis conducted by the Bureau of Ocean Energy Management (BOEM) and the National Renewable Energy Laboratory (NREL) demonstrates the significant local economic opportunity this industry presents from a 600-megawatt offshore wind farm in the Gulf of Mexico²:

4, 470 FTE

Jobs during
construction

150 FTE

Jobs during
operations

\$445M

GDP generated
during
construction

\$14M

GDP generated
annually during
operations

WIND RESOURCE POTENTIAL

508_{GW}

The Gulf of Mexico has an **offshore wind resource technical potential of 508 GW³**. This figure is expected to rise with taller turbines, and state waters provide additional resources.

93_{GW}

Louisiana has a **land-based wind resource technical potential of 93 GW** at 110-meter hub heights, increasing to 165 GW at 140-meter hub heights.

1. FACT SHEET: Biden-Harris Administration Announces New Actions to Expand U.S. Offshore Wind Energy 2.

2. 2020 Cost of Wind Energy Review

3. 2016 Offshore Wind Energy Resource Assessment for the United States

LOUISIANA'S ADVANTAGE

4th

Louisiana has the 4th highest offshore wind resource potential in the country



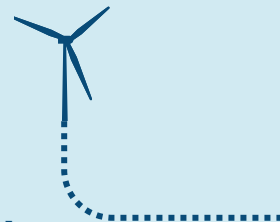
Unparalleled offshore energy expertise spanning all requirements for offshore wind development & manufacturing



A vast maritime workforce development network



The largest port complex in the western hemisphere, with thousands of available port-side acreage



LOUISIANA IN THE OFFSHORE WIND SUPPLY CHAIN

In 2024, alongside our partners at Pew Charitable Trusts and Xodus, the Southeastern Wind Coalition conducted an assessment of Louisiana's role and potential in the offshore wind supply chain⁴. The state's experience and expertise in offshore energy grants it unique position to support the U.S. offshore wind industry, while attracting new opportunities for existing Louisiana businesses, expanding employment opportunities for Louisiana residents, and capturing significant economic benefits for the State.

KEY INSIGHTS

- The Gulf of Mexico is ready for offshore wind development **with RWE holding the first federal lease and two state waters projects.**
- **Over 60,000 workers** in Louisiana are currently employed in roles in industries that are highly adjacent to offshore wind.
- Louisiana's manufacturing sector has high potential to support the offshore wind industry. Today, **over 100 fabrication and manufacturing assets have strong potential to support manufacturing for offshore wind development** when coupled with investments to reskill, retool, or expand their current operations.
- The state does not need to wait for offshore wind development in the Gulf of Mexico to play a leading role in the domestic offshore wind supply chain. **At least 15 Louisiana companies have supplied a variety of services to offshore wind to date.**
- Port Fourchon and the Port of Lake Charles are **already undergoing upgrades and retrofits to potentially serve as staging and marshalling ports for future offshore wind projects.** Quayside assets such as shipyards, fabrication shops, and manufacturing facilities could serve the offshore wind export market.
- Codifying **offshore wind procurement targets into state law**, with delegation of authority to relevant state agencies for offtake, would significantly increase confidence in the Louisiana offshore wind industry.

⁴. [Louisiana Offshore Wind Supply Chain Assessment, April 2024](#)