

Press Release
National Offshore Wind Research and Development Consortium Announces
U.S. Offshore Wind Supply Chain Road Map
January 23, 2023

Today, the National Offshore Wind Research and Development Consortium (NOWRDC) released a report identifying how the United States can develop a robust and equitable domestic supply chain required to achieve the national offshore wind target of 30 gigawatts (GW) by 2030.

This report describes how the United States could develop a fully domestic offshore wind energy supply chain. It discusses barriers that could prevent or delay supply chain expansion and offers potential solutions that could help overcome these challenges. The report highlights major considerations for developing resilient, sustainable, and equitable manufacturing capabilities. Finally, it estimates the number of required major component manufacturing facilities, ports, and vessels that would need to be developed by 2030 under a domestic supply chain scenario that supports an annual deployment of 4-6 GW per year. This scenario also guides discussion regarding the investment, development time, and workforce growth that could be required to develop a domestic offshore wind supply chain. The full report can be found here: [Supply Chain Road Map for Offshore Wind Energy | Wind Research | NREL](#).

This project is a partnership between the National Renewable Energy Laboratory (NREL), the Business Network for Offshore Wind, DNV, the Maryland Energy Administration (MEA), the New York State Energy Research and Development Authority (NYSERDA), and the U.S. Department of Energy (DOE).

“The opportunity to create a resilient and equitable domestic supply chain is one of the most exciting aspects of our offshore wind goals,” said Matt Shields, Senior Offshore Wind Analyst at NREL. “This supply chain would increase our chances of meeting the 30 GW by 2030 target, create a huge number of jobs and economic benefits, and most importantly, position the sector for sustainable growth beyond 2030. This report identifies critical actions that we need to take as an industry to develop the supply chain quickly, but also strategically and equitably.”

“Developing our nation’s vast offshore wind resources will provide reliable clean energy to coastal communities and help us reach our climate goals. It also presents a significant opportunity to create tens of thousands of good-paying jobs and expand domestic manufacturing across the country,” said Alejandro Moreno, Acting Assistant Secretary for Energy Efficiency and Renewable Energy at the U.S. Department of Energy. “With the help of the roadmap laid out in this report, we can catalyze progress to realize this immense potential.”

“A manufacturing supply chain is already emerging in more than a dozen locations up and down the U.S. coast in support of the offshore wind industry, which will lead to thousands of well-paying jobs,” said Ross Gould, vice president for Supply Chain Development and Research at the Business Network for Offshore Wind. “To meet our ambitious clean energy national goals,

American manufacturers must play a larger role to accelerate our transition. This road map lays out the challenges and collaborative actions needed to bring more domestic companies into the supply chain and the opportunity those businesses bring to building out the U.S. offshore wind industry.”

“To fully realize the potential of offshore wind energy in the United States, it is important we understand the gaps and needs of the current offshore wind supply chain. By understanding the needs of the industry, we can target investments to local businesses and workforce which create economic opportunities while achieving our goals of cleaner, more reliable energy. MEA is proud to participate in a study that brings us closer to realizing the economic and environmental promise of offshore wind,” said Maryland Energy Administration Director Paul Pinsky.

NYSERDA President and CEO Doreen M. Harris said, “Offshore wind is a cornerstone of New York’s clean energy transition that will deliver nine gigawatts by 2035, and grow a high-tech industry that will attract billions in investments and thousands of family-sustaining jobs. This report is the result of significant private-public collaboration and lays out a pathway to cultivate a long-term domestic supply chain here in the U.S.”

The full project summary will be released by NOWRDC in late winter of 2023.

The National Offshore Wind Research and Development Consortium, established in 2018, is a not-for-profit public-private partnership focused on advancing offshore wind technology in the United States through high impact research projects and cost-effective and responsible development to maximize economic benefits. Funding for the Consortium comes from the U.S. Department of Energy and the New York State Energy Research and Development Authority (NYSERDA), with each providing \$20.5 million, as well as contributions from the Commonwealths of Virginia and Massachusetts and the States of Maryland, Maine, and New Jersey, bringing total investment to approximately \$48 million. For more information, please visit nationaloffshorewind.org.

The [Maryland Energy Administration \(MEA\)](http://www.energy.maryland.gov) advises the governor and general assembly on all energy matters, promoting affordable, reliable and cleaner energy. MEA develops and administers programs and policy to support and expand all sectors of the state’s economy while benefiting all Marylanders and implementing legislation. Please visit Energy.Maryland.gov and follow them on [LinkedIn](https://www.linkedin.com/company/maryland-energy-administration/), [Facebook](https://www.facebook.com/marylandenergy/), and [Twitter](https://twitter.com/marylandenergy/) for more information.
