

Offshore Wind Supply Chain Resource Guide

Attentive Energy Two (AE2) is an offshore wind project that will bring renewable energy to New Jersey, create new pathways for a local workforce and supply chain, and forge opportunities for innovation and the energy transition.

Offshore wind brings together heavy industrial power generation equipment, electrical transmission, and marine operations to create a sustainable energy source for homes and businesses. Within the interconnected elements of an offshore wind project, New Jersey businesses will have ample opportunity to supply goods, materials, and services to a variety of new and known buyers.

This Supply Chain Resource Guide is a roadmap for businesses who are seeking their pathway into offshore wind contracting opportunities.

The Attentive Energy Two Development Timeline



- Federal & State permits
- Detailed design
- Environmental, geophysical, & geotechnical surveying
- Sign primary supply contracts
- Secure ports and vessels

- Contractors manufacture offshore wind components
- Install offshore wind components
- First power generation
- Commercial operation

- Perform proactive maintenance and inspection
- Fully responsive operations
- Ensure efficient logistics

New Jersey Resources to Support Supply Chain Access



Scan here to:

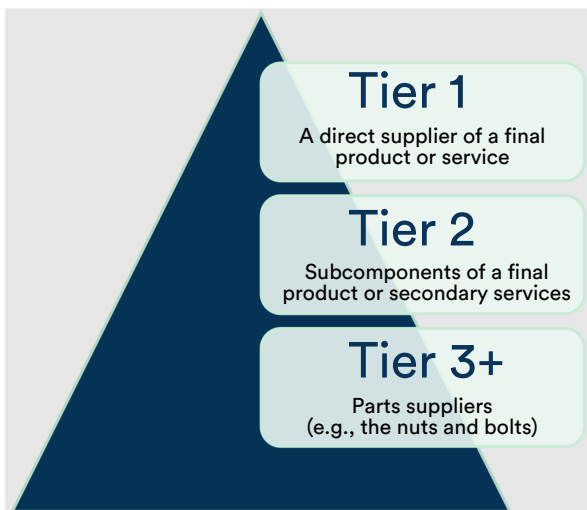
- Sign up for AE2's newsletter
- Register in the NJEDA Supplier Database
- Connect with AE2's partners
- Seeking further guidance? Contact Anthony Negrelli, Local Content Lead: anthony.negrelli@totalenergies.com



Entering the Offshore Wind Supply Chain

While the AE2 wind turbines will be located 42 miles offshore, the supply chain will flow inland through the entire Garden State where products can be engineered and manufactured, materials can be supplied, and services can be offered. As a potential vendor in the offshore wind supply chain, it is important to familiarize yourself with the major equipment that will be manufactured and installed, how your products/services fit within the supply chain of that piece of equipment, and the qualification requirements of potential buyers to ensure your company is prepared for the upcoming opportunities within your niche.

Understanding the Supply Chain Tiers



Supply Chain Tier	Vessel Example	OEM Example
Tier 1	Marine installation provider	Wind turbine manufacturer
Tier 2	Tugs & barges supplier	Industrial elevator supplier
Tier 3+	<ul style="list-style-type: none"> PPE Industrial lubricants Low Sulphur diesel fuel Passive acoustic monitoring equipment Weather forecasting Communication equipment Medical equipment 	<ul style="list-style-type: none"> Galvanized Steel Nuts Bolts Fasteners Guide Wires 400-690V Electrical Equipment Braking System

Types of Tier 1 Contracts



Supplier Qualification Road Map

