



OSW project impacts

December 2, 2021

U.S. Offshore Wind Creates U.S. Jobs

Deploying 30 GW of offshore wind by 2030 will support 83,000 jobs

*U.S. Offshore Wind Power Economic Impact Assessment.
AWEA, March 2020*

- Offshore wind developers have already invested in training programs for welders, divers, and electricians, among others.
- Offshore wind provides diversified job opportunities for experienced Gulf Coast builders and mariners.
 - LA-based Falcon Global used its **experienced crews and feeder vessels** to serve the Block Island project.
 - **Foundations** for this project were made in LA by Gulf Island Fabrication.
 - The crew transfer vessel this project is owned and operated by a RI-based wind farm support company that has a long-term contract to provide services for operations and maintenance.
 - **Houma, LA-based Offshore Survey Vessels** currently at work conducting geophysical surveys for a 2,640 MW project to be built in 2024
 - An April 2020 BOEM [study](#) on **offshore wind in the Gulf of Mexico** has found that a single 600 MW offshore wind project in **Port Arthur, LA** could support **approximately 4,470 jobs and \$445 million in U.S. GDP during construction, plus an ongoing 150 jobs and \$14 million in U.S. GDP annually from O&M labor, materials, and services.**



M/V Sarah Bordelon survey vessel



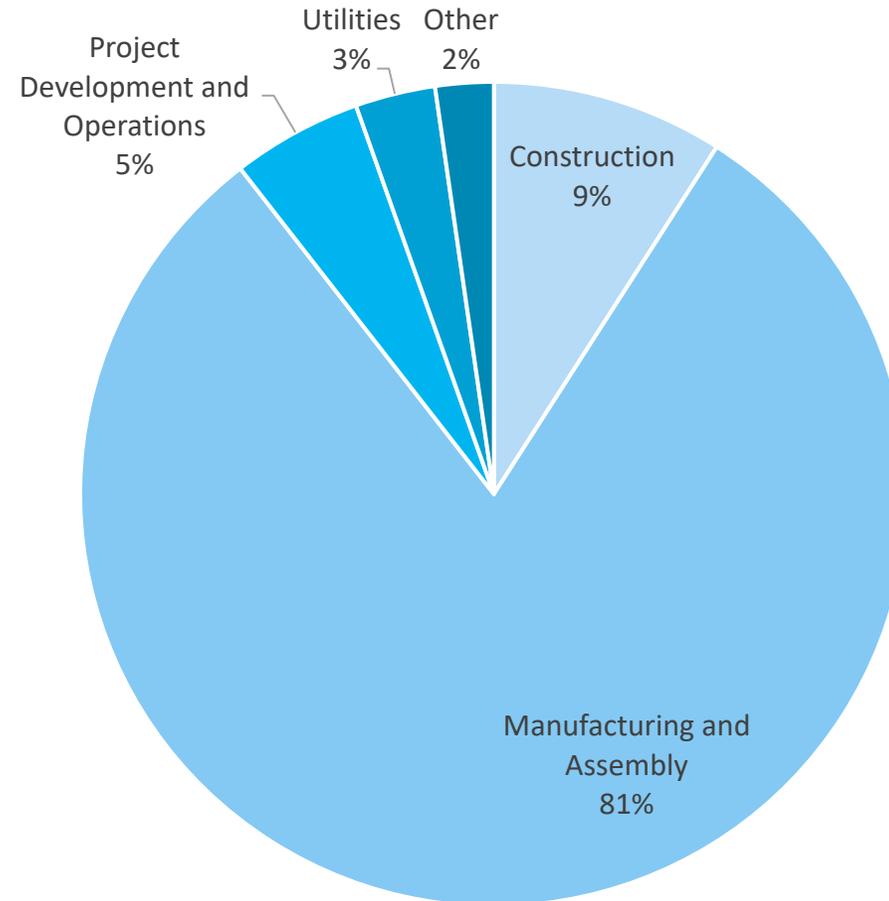
Heavy lift installation vessel

Economic and Job Impacts

Results from ACP's Labor Supply Study suggest wide variety of opportunities in supply chain

- Over 80% of forecasted jobs supported come from suppliers and their supply chains (all tiers)
- Based on a forecast of 64 GW of offshore wind needed to reach 70% renewables
- Over 920,000 job-years will be supported in the development, construction, and operation of 64 GW

Distribution of Jobs Supported in Offshore Wind, ACP Labor Study



Infrastructure and Investment

U.S. offshore wind means U.S. jobs, manufacturing, and infrastructure



Industry committing billions of dollars to U.S. jobs, manufacturing, and infrastructure. For example:

- Ørsted standalone investments and commitments made jointly with its utility partners total over \$215 million in ports in VA, MD, NJ, NY, CT and RI.
- Equinor and NY state investing a total of \$644 million in port upgrades for three NY ports.
- EEW to build turbine tower manufacturing facility in South Jersey.
- Vineyard Wind partnering with Marmon Utility to establish capabilities at CT facility for manufacturing Kerite cables for inter-array cable cores and investing \$10 million toward MA supply chain development.
- One U.S.- flagged crew transfer vessel in service; two additional U.S.-built CTVs under construction and two more under contract.
- Consortium led by Dominion investing up to \$500 million to build the first U.S. offshore wind installation vessel in a Texas shipyard to be used in several offshore wind projects. Keel laying announced December 16, 2020.
- Nexans to manufacture the first U.S. subsea high voltage export cables in Goose Creek, S.C. to be used at several East Coast projects. Nexans is investing \$310 million in this project.
- Ørsted and Eversource signed Charter Agreement with Edison Chouest Offshore for U.S. flagged Jones Act-compliant service operation vessel.

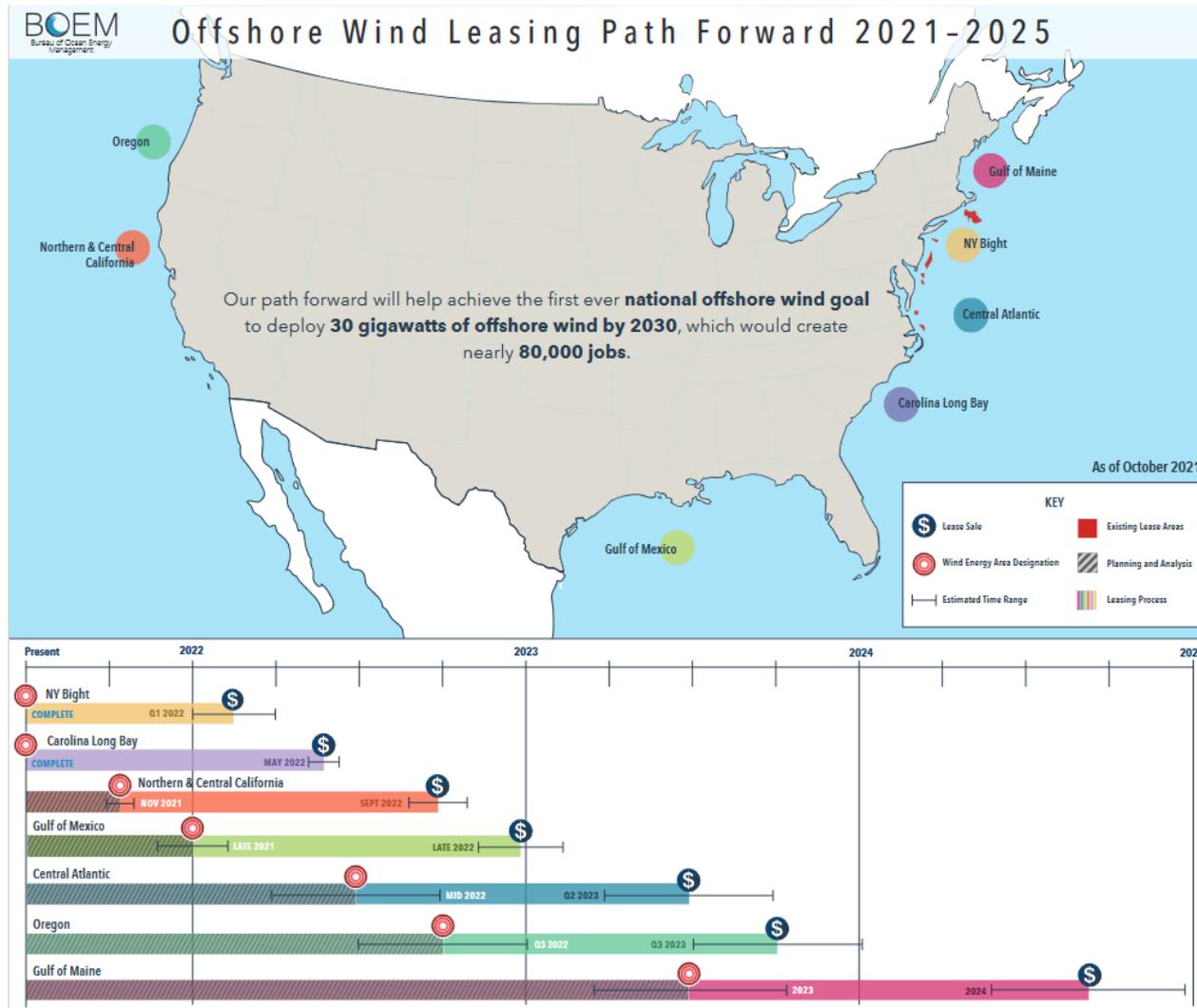
Ports and Vessels

Activities are not just limited to major components; OSW development will be a boon to ports, maritime, and associated industries in the supply chain



- The offshore industry has announced plans to manufacture, assemble, marshal, and run operations and maintenance out of ports up and down the east coast. In addition to construction activities needed to upgrade these ports for the offshore industry, these ports will generate indirect supply chain impacts throughout the region. Ports that have been slated for upgrades or use in the offshore industry include, but are not limited to:
 - Bridgeport (CT)
 - New Bedford Marine Commerce Terminal (MA)
 - New London (CT)
 - NJ Wind Port (NJ)
 - Port Jefferson (NY)
 - Port of Albany (NY)
 - Port of Coeymans (NY)
 - Port of Paulsboro, (NJ)
 - Portsmouth Marine Terminal (VA)
 - ProvPort (RI)
 - South Brooklyn Marine Terminal (NY)
 - Tradeport Atlantic (MD)
- Offshore wind development, construction and operations can use up to 26 different types of vessels. Many will be contracted such as tugs and barges, survey vessels, guard vessels, crew transfer vessels, etc.

Lease Sales



Through an ambitious leasing strategy, BOEM could spur economic impacts across the country

- ACP's latest study suggests BOEM could generate federal revenues between \$2.7b and \$4.5b from new lease auctions
- Leasing enough area to support the development of 23 GW to 40 GW could support:
 - 73,000 to 128,000 jobs in construction
 - 28,000 to 48,000 permanent O&M jobs