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NC TASKFORCE FOR OFFSHORE WIND ECONOMIC RESOURCE STRATEGIES (NC TOWERS)
WEDNESDAY, MAY 10, 2023

Economic Opportunity & Business Development Subcommittee

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Charge from Task Force

Research, evaluate, and recommend policies and programs to help grow NC's OSW industry supply chain and build strategic economic partnerships

- Identify, articulate, map & publicize strategic advantages, assets, and priorities
- Educate, assist & train existing NC industries/companies about OSW opportunities
- Recruit new industries/companies to NC to serve OSW opportunities
- Develop new industries/companies/technologies in NC to serve OSW opportunities
- Identify organizations and entities with which to partner and champion outcomes
- Increase OSW industry research, development, and innovation

Current Context

42 MW of Offshore Wind Online in the U.S.

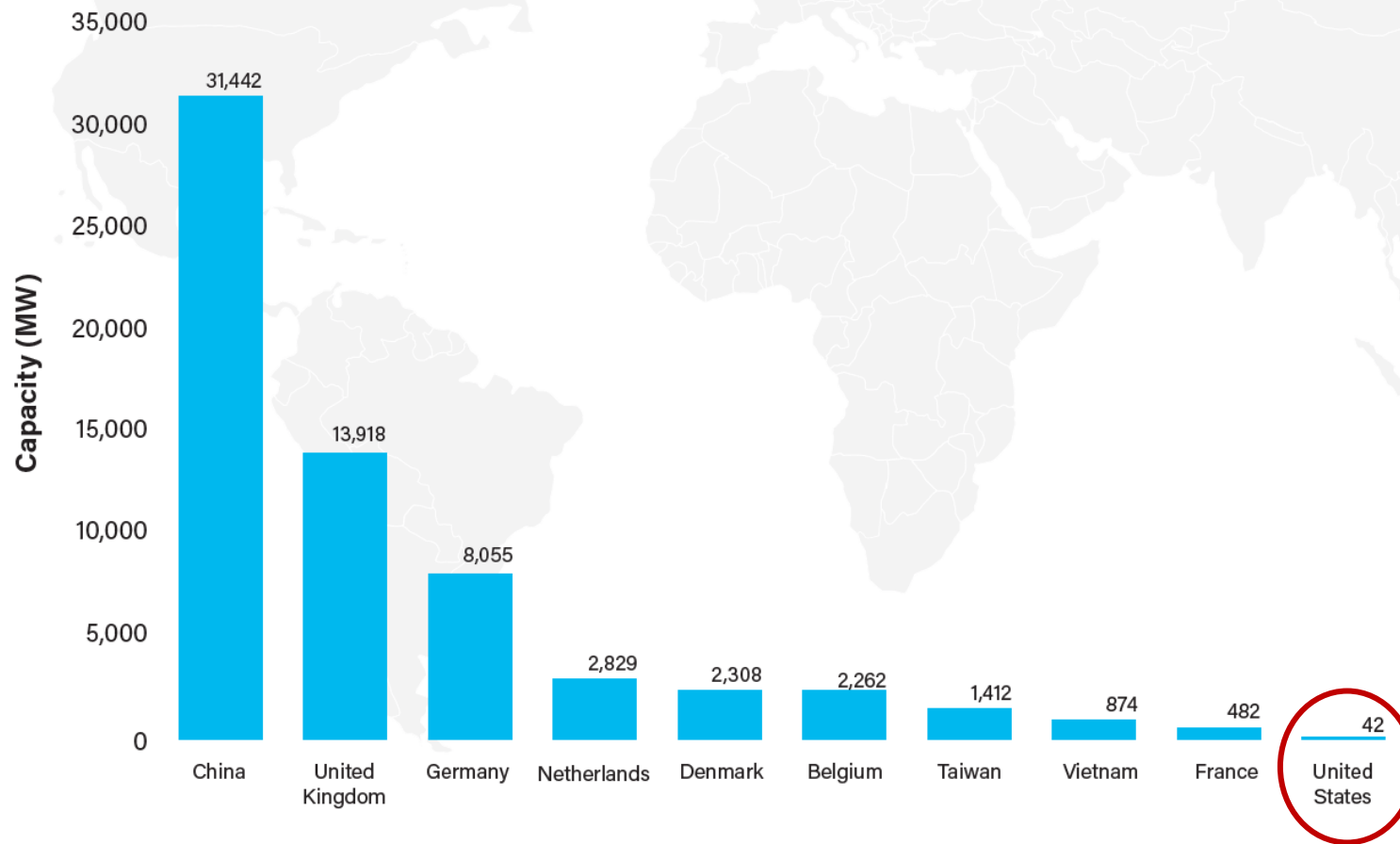
There are currently two offshore wind projects online in the United States – Ørsted’s 30 MW Block Island Wind Farm off Rhode Island and Dominion Energy’s 12 MW Coastal Virginia Offshore Wind Pilot Project.

China leads the world with over 31 GW of cumulative offshore wind capacity installed.

The United Kingdom and Germany follow, with 13,918 MW and 8,055 MW, respectively. The Netherlands, Denmark, Belgium, and Taiwan are the only other countries with at least 1 GW of offshore wind capacity installed.

U.S. and Global Installed Offshore Wind Capacity, 2022

Source: *Offshore Wind Market Report*, May 2023, American Clean Power Association.



Future Context

- Achieving the [U.S. offshore wind energy target](#) of 30 gigawatts (GW) by 2030 and establishing a domestic supply chain would provide **numerous economic benefits**, including providing existing suppliers with the ability to produce thousands of components while creating tens of thousands of U.S. jobs.
- **However, achieving these benefits will require a significant ramp-up in domestic manufacturing, ports, vessels, and workforce**, all of which are currently too limited to support the needed levels of commercial-scale offshore wind energy deployment.
- **The National Renewable Energy Laboratory's (NREL) January 2023 roadmap outlines suggested short-, medium-, and long-term actions** to overcome barriers to development and create a resilient, equitable, and comprehensive offshore wind energy supply chain.
- North Carolina is well positioned to realize these benefits; [the degree to which it realizes the benefits depends on how well and quickly it seizes the opportunity by taking actions consistent with the roadmap; many of this subcommittee's activities do that \(see next slides\)](#)

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(1) Existing Business Support Workstream

Targeted Activity	Key Tasks	Latest Update
<ul style="list-style-type: none">Enhance NC OSW Supply Chain Registry	<ul style="list-style-type: none">Develop specific objective(s) for the registry and how it will be utilizedResearch other states' (MD, ME, NJ, VA) experience with connecting to Business Network for Offshore Wind's (BNOW) registryDetermine timeline and cost for integrating NC registry with BNOW registryConnect with Southeastern Wind Coalition (SEWC) on potential for collaboration	<ul style="list-style-type: none">Decided NOT to integrate with BNOW registry at this timeWill merge NC OSW supply chain data with the SEWC Supply Chain Map/DatabaseUsers will access via Commerce's websiteCompanies can enter/update their information; SEWC staff review and maintain data

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(1) Existing Business Support Workstream

Targeted Activity	Key Tasks	Latest Update
<ul style="list-style-type: none">• Convene Regional Workshops for Businesses	<ul style="list-style-type: none">• Determine audience(s) and objectives for workshop(s)• Connect/coordinate with Outreach Subcommittee• Develop budget, schedule, content, and presenters for workshops	<p>Developing Webinars for summer 2023, to involve an intro presentation and multiple panelists discussing:</p> <ul style="list-style-type: none">• The U.S. Offshore Wind Opportunity• Becoming Part of the Offshore Wind Supply Chain• Resources for North Carolina Companies• Will also plan & host UK webinars focused on OSW infrastructure, supply chain, etc.

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(1) Existing Business Support Workstream

Targeted Activity	Key Tasks	Latest Update
<ul style="list-style-type: none">• Develop Website Page(s) for Existing & New Businesses• Educate, assist & train existing NC industries/companies about OSW opportunities	<ul style="list-style-type: none">• Determine audiences(s), objectives and location(s) for page(s)• Assemble content for page(s)	<ul style="list-style-type: none">• Met with Commerce Public Affairs team to brainstorm new content and organization• Will implement changes by end of Q2 2023

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(2) New Business Recruitment Workstream

Targeted Activity	Key Tasks	Latest Update
c) Identify Supply Chain Categories and Key Targets	<ul style="list-style-type: none">• Identify 3-5 targets in each supply chain category and strategy for engagement with each (should include both US and international companies)• Reach out directly to OEMs and Tier 1s to inquire about their needs• Prepare for future business development opportunities (i.e., IPF and Wind Europe)	<ul style="list-style-type: none">• Participated in several targeted appointments at Business Network for Offshore Wind’s International Partnering Forum (IPF) in Baltimore, March 2023• Participated in several targeted appointments at Wind Europe conference (Copenhagen) and Danish Energy tour, April 2023