

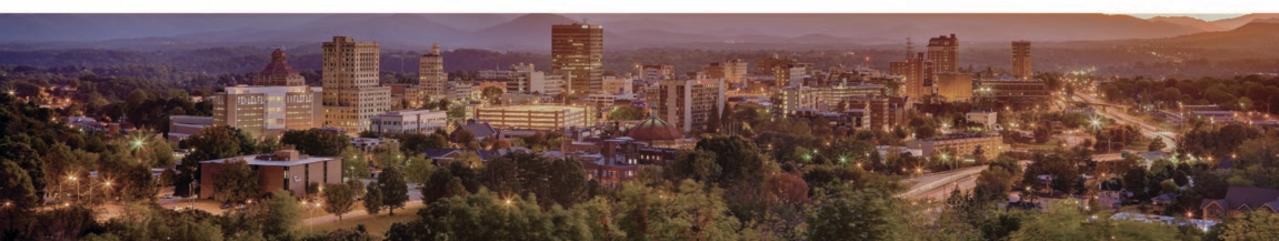
### **OFFSHORE WIND ENERGY PANEL**

#### JENNIFER MUNDT

ASSISTANT SECRETARY OF CLEAN ENERGY ECONOMIC DEVELOPMENT N.C. DEPARTMENT OF COMMERCE

commerce.nc.gov

ESSE QUAM VID



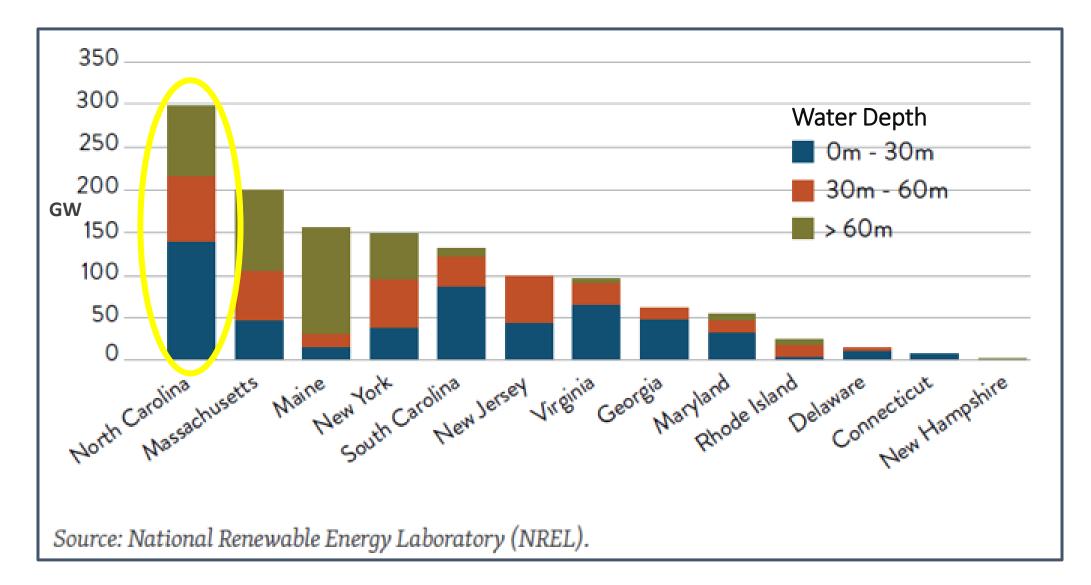


# NORTH CAROLINA DEPARTMENT of COMMERCE

Our mission is to improve the economic well-being and quality of life for all North Carolinians.

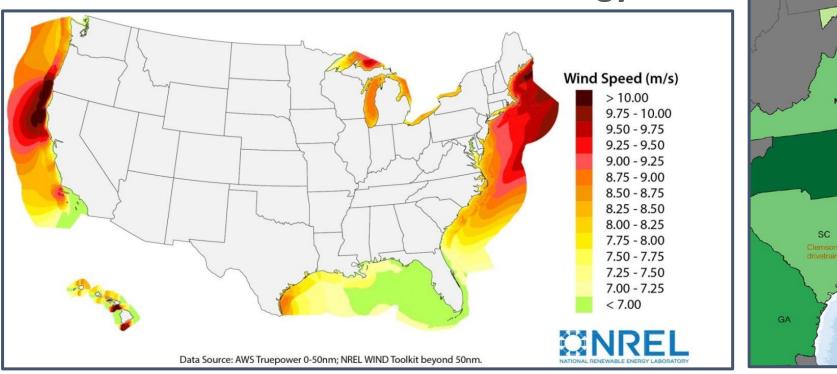
To do that, the Department works closely with local, regional, national and international organizations to propel economic, community and workforce development for the state.

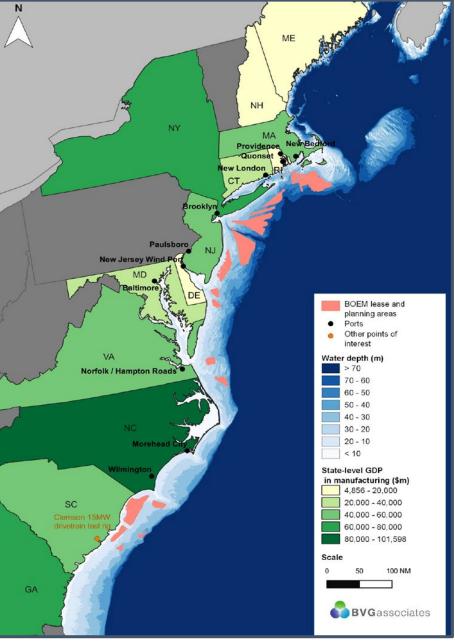
## **NC Offshore Wind Potential**



# NC and the OSW Industry

- 1. Leader in manufacturing with waterfront assets
- 2. Skilled workforce with top-ranked education assets
- 3. State commitments to clean energy





https://files.nc.gov/nccommerce/documents/Policymaker-Reports/Report\_North-Carolina-OSW-Supply-Chain-Assessment\_BVGAssociates\_asPublished-Mar3-2021.pdf

### NC Working for OSW Success

#### YEAR NC ACTIVITY

- 2017 Kitty Hawk WEA leased
- 2020 <u>SMART-POWER</u> consortium established
- **2021** Executive Order 218 (2.8 GW by 2030 and 8 GW by 2040) House Bill 951 ( $\sqrt{70\%}$  CO<sub>2</sub> by 2030 and CO<sub>2</sub> neutral by 2050)
- 2022 <u>NCTOWERS</u> convenes Carolina Long Bay auction and leases issued Federal-State OSW Implementation Partnership
- 2023 OSW <u>MOU with Danish Energy Agency</u> <u>CLEANcarolinas</u> SMART-POWER Supply Chain & Workforce Assessment
- 2024 Central Atlantic States Regional Partnership Biennial Carbon Plan Order, Issued Nov 1, 2024 Preparing for 2025 and beyond Central Atlantic 2.0 (CATL2)



GOVERNOR

June 9, 2021

EXECUTIVE ORDER NO. 218

ADVANCING NORTH CAROLINA'S ECONOMIC AND CLEAN ENERGY FUTURE WITH OFFSHORE WIND

WHEREAS, clean energy resources create North Carolina jobs, grow our economy, and help reduce climate change pollution; and

WHEREAS, North Carolina is a national leader in clean energy through its robust clean energy workforce, hird-in-the-nation ranking in installed solar capacity, and position having the highest technical potential for offshore wind power on the east coast of the United States; and

WHEREAS, Exec. Order No. 80, 33 N.C. Reg. 1103-1106 (December 3, 2018), which was issued on October 29, 2018, ("North Carolina's Commitment to Address Climate Change and Transition to a Clean Energy Economy") calls for North Carolina to transition to a clean energy economy and reduce greenhouse gas emissions, and the North Carolina Clean Energy Plan identifies offshore wind as a strategic resource in the state's clean energy future; and

WHEREAS, offshore wind development along the U.S. Atlantic Coast and its accompanying supply chain present a significant economic opportunity for North Carolina, with an estimated 85,000 new jobs and \$140 billion in capital expenditure along the Atlantic Coast by 2035; and

WHEREAS, North Carolina has a highly favorable business environment for offshore wind manufacturers and supply chain companies through its large skilled labor force, strong community college system, innovative technology clusters, major research and development facilities and universities, top-ranked business climate, and targeted industry support; and

WHEREAS, responsible offshore wind energy development can coexist with North Carolina's military installations, which are critical for national defense, provide approximately 600,000 jobs, and contribute approximately \$70 billion annually to North Carolina's economy and the leadership of this state, including the undersigned, would not jeopardize these important military installations; and

WHEREAS, North Carolina is committed to advancing the development of offshore wind and the accompanying supply chain through regional partnerships such as the Southeast and Mid-Atlantic Regional Transformative Partnerships for Offshore Wind Energy Resources ("SMART-POWER").

NOW, THEREFORE, by the authority vested in me as Governor by the Constitution and the laws of the State of North Carolina, IT IS ORDERED:

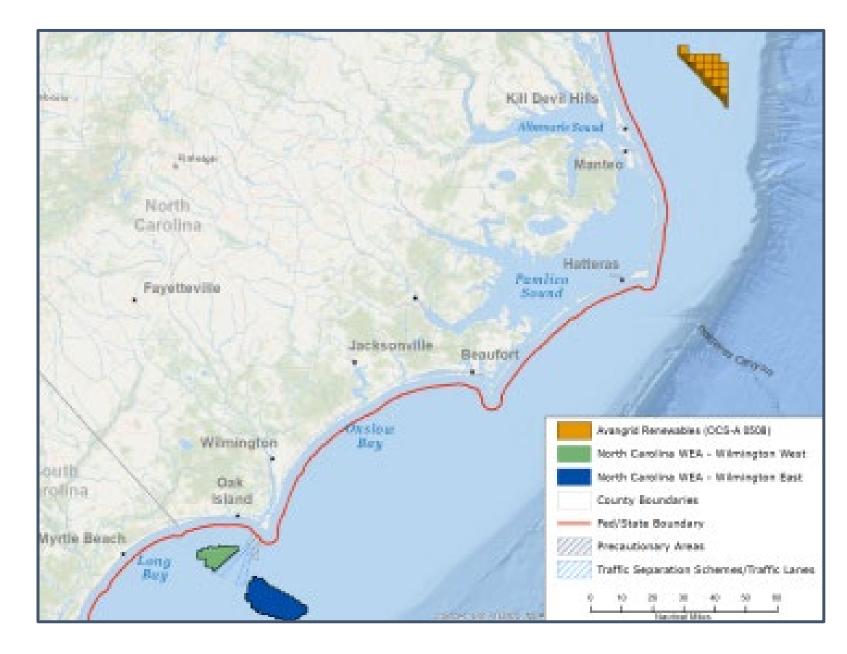
#### Section 1. Offshore Wind Procurement Targets.

The State of North Carolina will strive for development of 2.8 gigawatts ("GW") of offshore wind energy resources off the North Carolina coast by 2030 and 8.0 GW by 2040.



• Kitty Hawk

• Carolina Long Bay

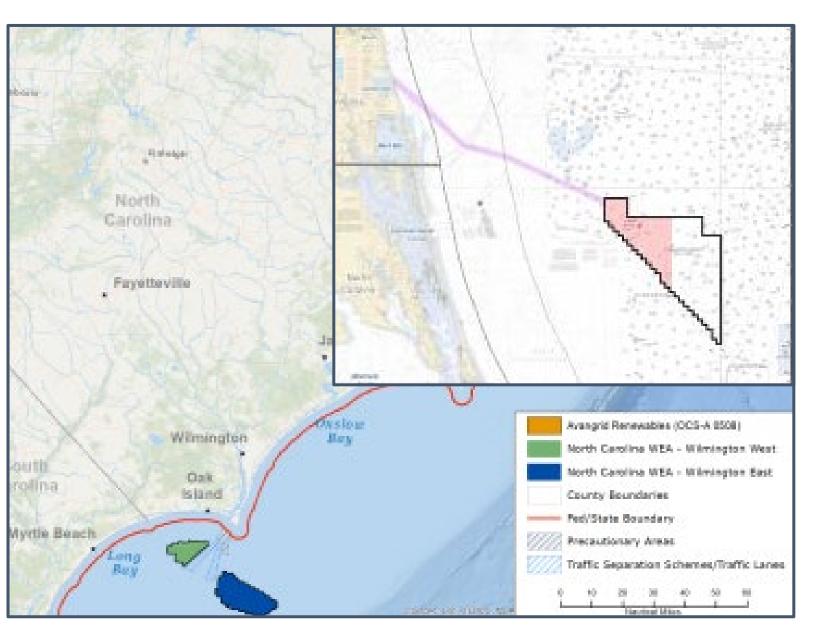


# NC's WEAs (cont'd)

• Kitty Hawk

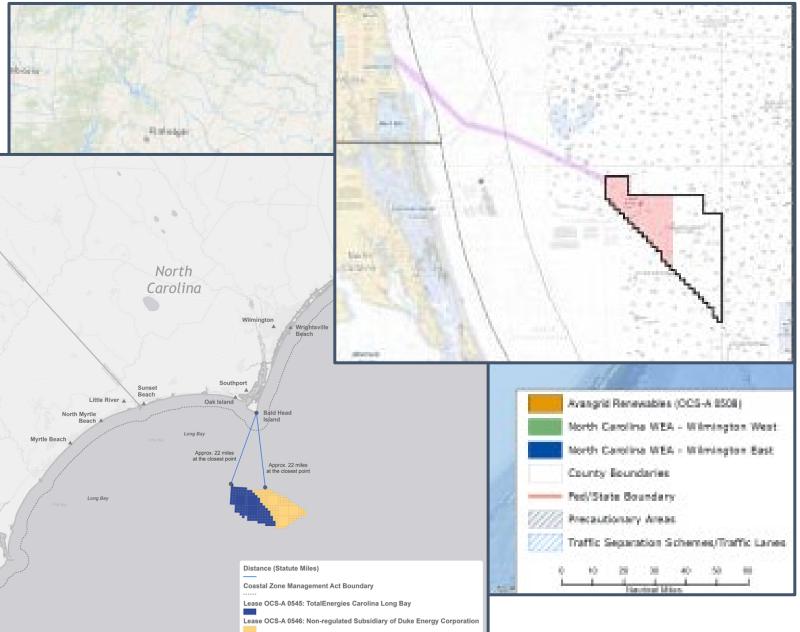
CVOW South

- Kitty Hawk
  South
- Carolina Long Bay



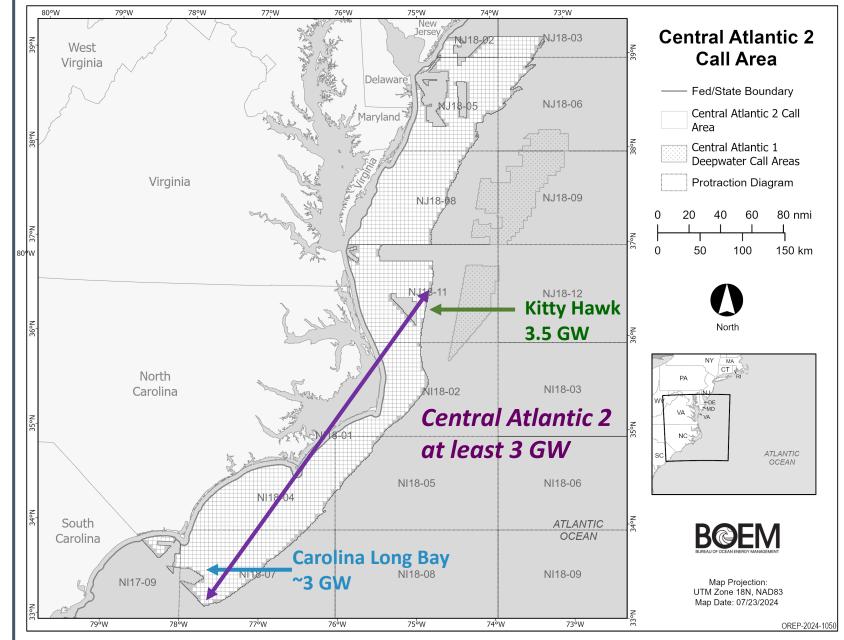
# NC's WEAs (cont'd)

- Kitty Hawk
  - CVOW South
  - Kitty Hawk
    South
- Carolina Long Bay
   TotalEnergies
   Duke Energy





• House Bill 951



https://www.boem.gov/sites/default/files/images/central\_atlantic\_2\_call\_area\_map.png



### Thank you!

### JENNIFER MUNDT jennifer.mundt@commerce.nc.gov (919) 441-7430

