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NCTOWERS QUARTERLY MEETING
THURSDAY FEBRUARY 3, 2023

Update: Offshore Wind-Related Activities

JENNIFER MUNDT, ASSISTANT SECRETARY
CLEAN ENERGY AND ECONOMIC DEVELOPMENT



Overview

- **Federal activities**

- NREL Supply Chain Road Map
- WH Federal-State Partnership
- BOEM
 - Leadership changes
 - NOPR Renewable Energy Modernization
 - Central Atlantic Draft WEAs

- **State activities**

- Lease area updates
- Carbon Plan Order released


- **On the horizon...**



Federal Activities

NREL Supply Chain Road Map

- **Critical need for domestic supply chain to sustain industry growth**
- **Short-, mid-, and long-term actions to overcome barriers**
- **Challenges = opportunities for North Carolina!**



The cover page features a collage of images related to offshore wind energy. At the top left is the NREL logo. Below it, a woman points to a data visualization. To the right is a large offshore wind turbine. Further right, a man in a lab coat works with equipment. Below the turbine, a man in safety glasses is shown. To the right of that, a woman in a pink shirt works on a piece of equipment. At the bottom left, three men are standing near a vehicle.

A Supply Chain Road Map for Offshore Wind Energy in the United States

Matt Shields,¹ Jeremy Stefek,¹ Frank Oteri,¹ Matilda Kreider,¹ Elizabeth Gill,¹ Sabina Maniak,¹ Ross Gould,² Courtney Malvik,² Sam Tirone,² and Eric Hines³

*1 National Renewable Energy Laboratory
2 Business Network for Offshore Wind
3 Tufts University*

NREL is a national laboratory of the U.S. Department of Energy
Office of Energy Efficiency & Renewable Energy
Operated by the Alliance for Sustainable Energy, LLC

Technical Report
NREL/TP-5000-84710
January 2023

This report is available at no cost from the National Renewable Energy Laboratory (NREL) at www.nrel.gov/publications.

Contract No. DE-AC36-08GO28308

<https://www.nrel.gov/docs/fy23osti/84710.pdf>

Federal Activities (cont'd)

Federal-State Partnership

- **Launched June 23, 2022**
- **Supply Chain Working Group**
 - Defined “content” and its extent: domestic; regional; or local content
 - Proposal for a tiered framework that recognizes / honors content requirements and advances economic development opportunities



<https://romesentinel.com/stories/biden-teams-with-east-coast-governors-to-boost-offshore-wind,136817>

Federal Activities (cont'd)

BOEM Leadership Changes



Amanda Lefton



Liz Klein

<https://www.boem.gov/liz-klein>

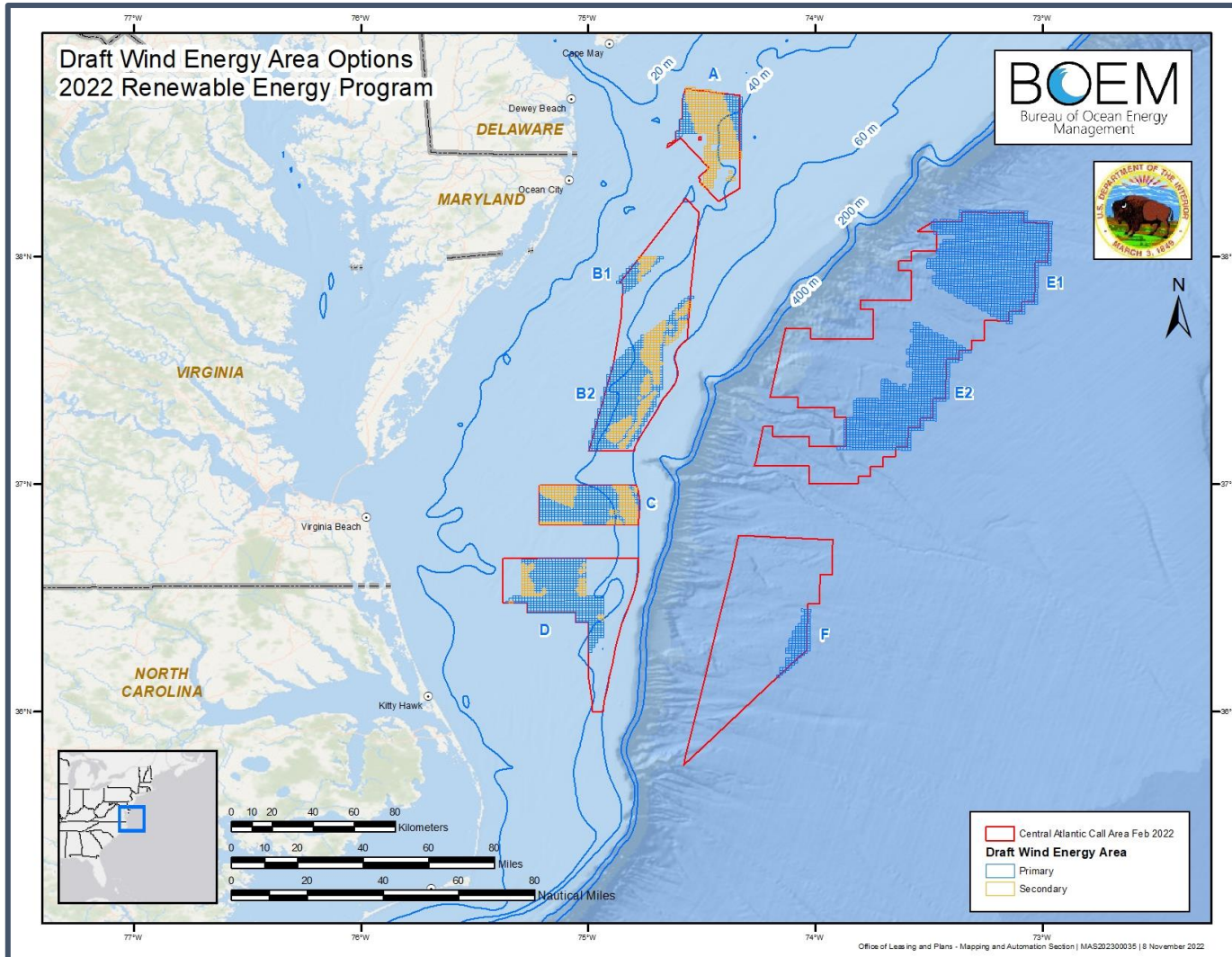
Federal Activities (*cont'd*)

NOPR Renewable Energy Modernization

- **OCS renewable energy regulations first promulgated in 2009**
- **Intent to implement reforms identified by BOEM and recommended by stakeholders**
- **60-day comment period ends March 31, 2023**

Federal/State Activities (cont'd)

Draft Central Atlantic WEAs



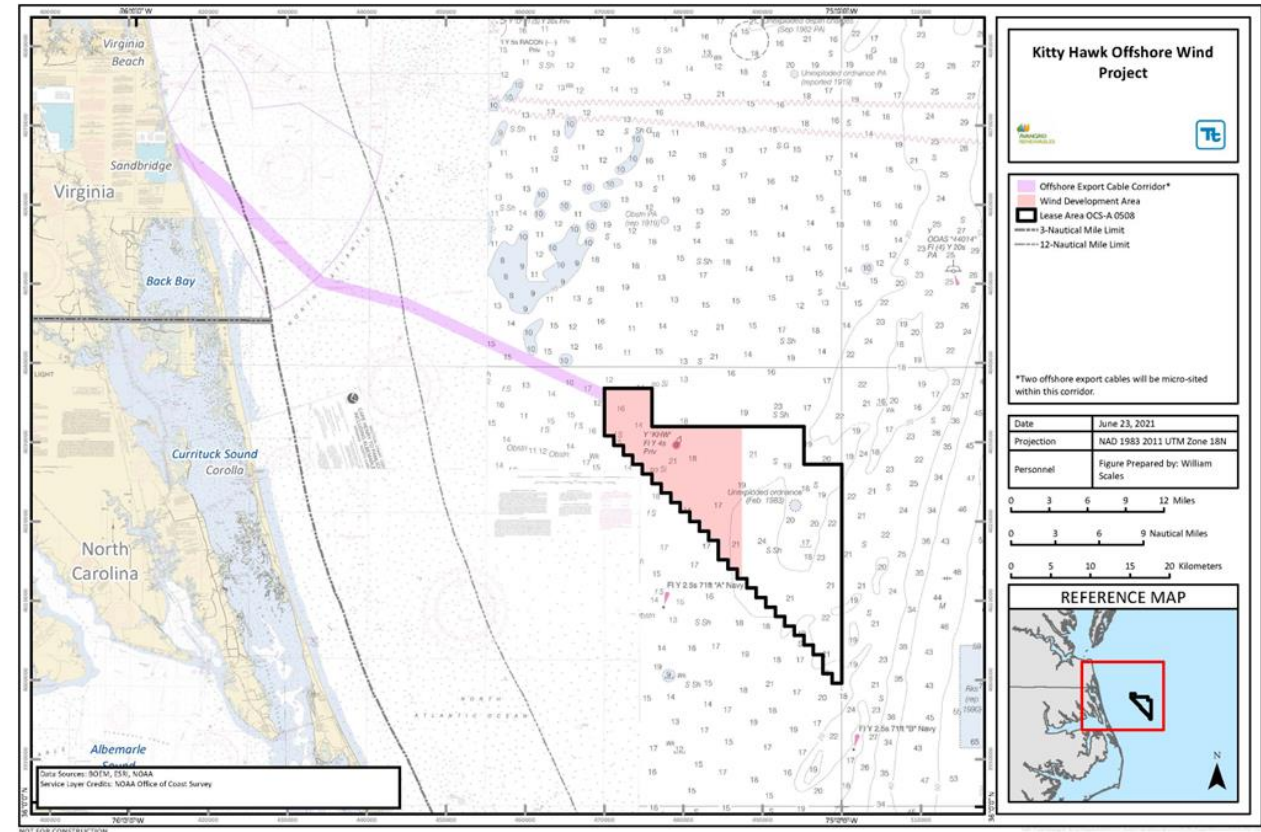
- Draft WEAs released
- NC comments:
 - Prioritize fixed-bottom leasing
 - Continue interregional transmission planning
 - Included feedback from DNCR plus reiterated comments previously provided by DEQ and WRC

https://www.boem.gov/sites/default/files/images/draft_wea_primary_secondary3.jpg

State Activities

NC Lease Areas – Updates

- **Kitty Hawk North**
 - Construction and Operations Plan submitted July 2021
 - DEIS expected Q4 2023
- **Kitty Hawk South**
 - COP submitted to BOEM April 2022
- **3.5 GW ≈ power 1,000,000 homes**

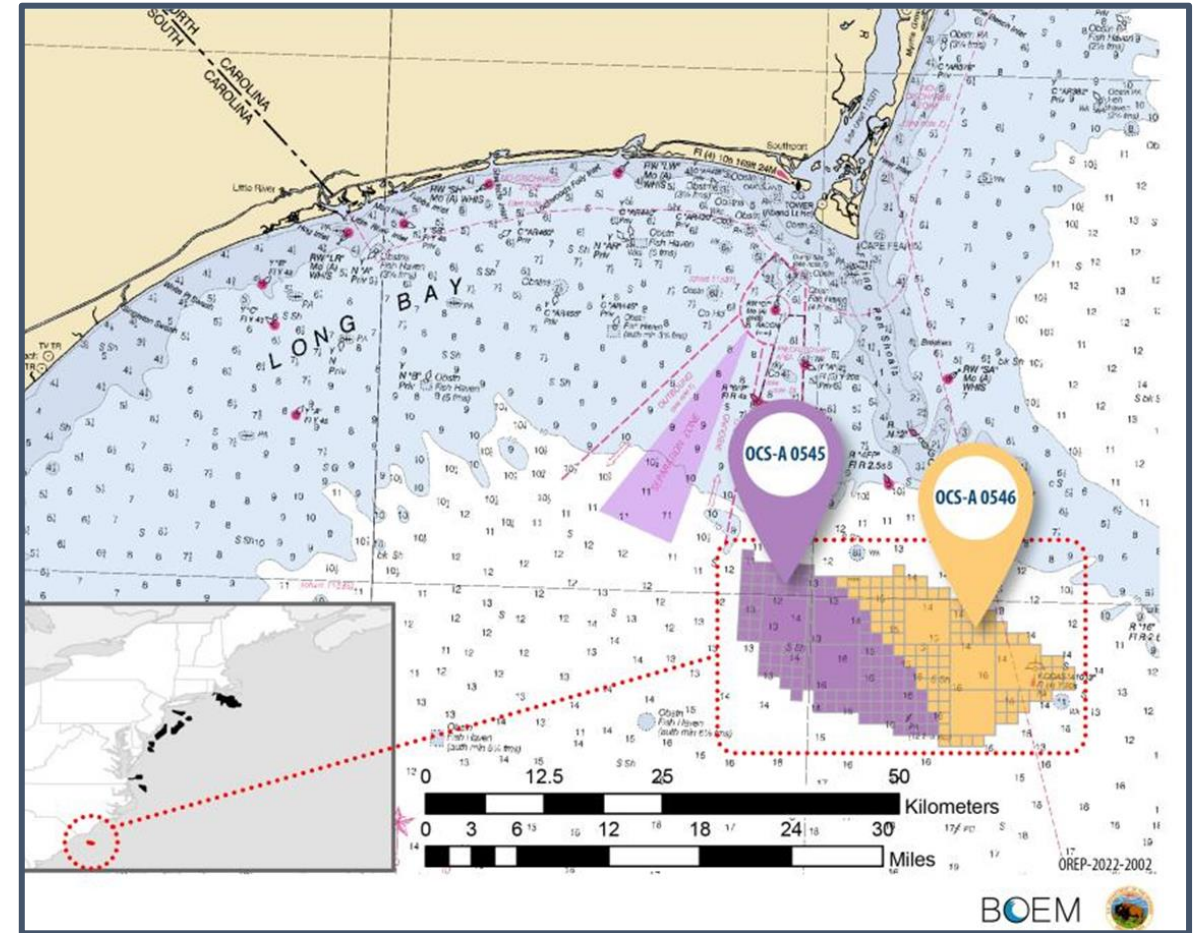


<https://www.kittyhawkoffshore.com/> and <https://www.boem.gov/renewable-energy/state-activities/kitty-hawk-offshore-wind>

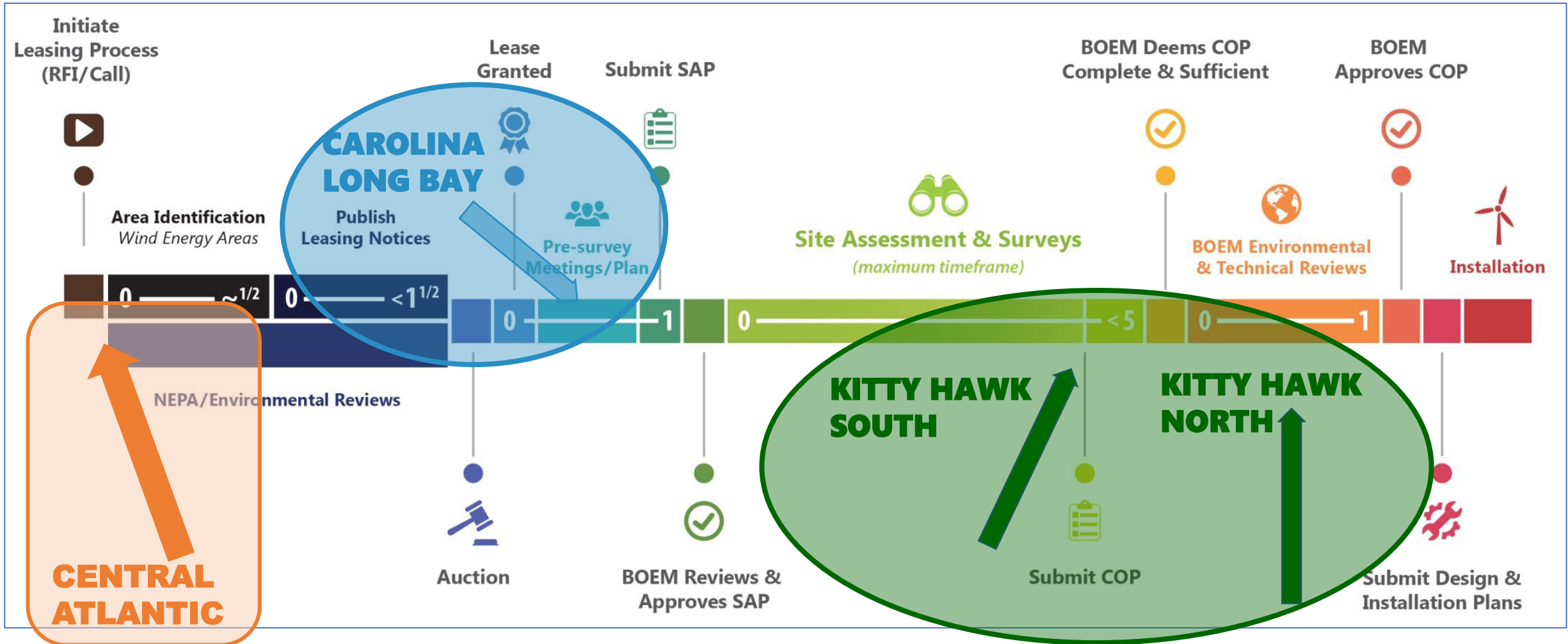
State Activities (cont'd)

NC Lease Areas – Updates

- **Carolina Long Bay**
 - TotalEnergies
 - Duke Energy Renewables Wind
- **BOEM executed leases June 2022**
- **Anticipate Site Assessment Plans submitted this summer**



BOEM Renewable Energy Development Process: Area Identification to Leasing to Operations



State Activities (cont'd)

NCUC Releases Carbon Plan Order

- **HB951 Energy Solutions for NC**

- Reduce power sector CO₂ emissions
- NCUC to develop Carbon Plan to achieve reductions

- **Carbon Order 12/30/2022**

- “Supports offshore wind”
- Directs Duke to evaluate three WEAs for acquisition and report
- Authorizes near-term development common to all WEAs, including related onshore transmission infrastructure

STATE OF NORTH CAROLINA
UTILITIES COMMISSION
RALEIGH

DOCKET NO. E-100, SUB 179

BEFORE THE NORTH CAROLINA UTILITIES COMMISSION

In the Matter of
Duke Energy Progress, LLC, and Duke Energy Carolinas, LLC, 2022 Biennial Integrated Resource Plans and Carbon Plan) ORDER ADOPTING INITIAL
CARBON PLAN AND
PROVIDING DIRECTION FOR
FUTURE PLANNING

HEARD: Monday, July 11, 2022, at 7:00 p.m., in Courtroom D7, Durham County Courthouse, 510 S. Dillard St., Durham, North Carolina 27701

Tuesday, July 12, 2022, at 7:00 p.m., in Courtroom 317, New Hanover County Courthouse, 316 Princess Street Wilmington, North Carolina 28401

Wednesday, July 27, 2022, at 7:00 p.m., in Courtroom 1-A, Buncombe County Courthouse, 60 Court Plaza, Asheville, North Carolina 28801

Thursday, July 28, 2022, at 7:00 p.m., in Courtroom 5350, Mecklenburg County Courthouse, 832 E. 4th Street Charlotte, North Carolina 28202

Tuesday, August 23, 2022, at 1:30 p.m. and 4:30 p.m. via Webex

Tuesday, September 13, 2022, at 9:00 a.m., in Commission Hearing Room 2115, Dobbs Building, 430 North Salisbury Street, Raleigh, North Carolina 27603

BEFORE: Chair Charlotte A. Mitchell, Presiding; and Commissioners ToNola D. Brown-Bland, Daniel G. Clodfelter, Kimberly W. Duffley, Jeffrey A. Hughes, Floyd B. McKissick, Jr., and Karen M. Kemerait

On the Horizon....

- **Status of pending applications for federal funding, NSF CleanENGINES, WETO, etc.**
- **Spring Offshore Wind Conferences**
 - *Virtual:* [Floating OSW Shot Summit](#) (Feb 22-23)
 - *Baltimore, MD:* International Partnering Forum (March 28-30)
- **Further activities to execute UK-NC MOU**
- **Establish additional cross-border agreements?**
- **Join regional fisheries compensation consortium?**
- **Federal legislation? RISEE Act?**
- **2023 Long Legislative Session**



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Questions and Contact Me!

JENNIFER MUNDT

Jennifer.Mundt@commerce.nc.gov

(919) 441-7430

