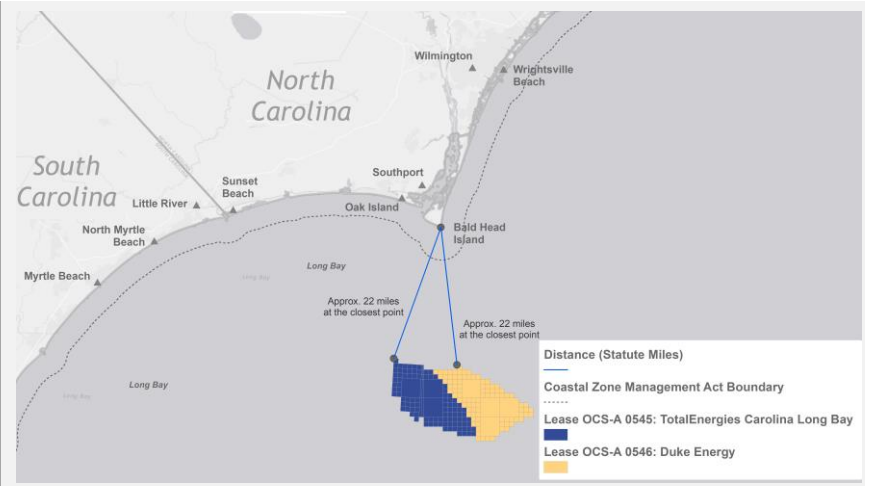


Carolina Long Bay Offshore Wind

Survey Activities

August 2023



- **Survey activities** – High resolution geophysical surveys and habitat assessments are scheduled to be conducted to support the future siting of 3 met-ocean buoys within the Carolina Long Bay Offshore Wind Lease Areas. Surveys will inform site assessment planning for federal requirements and will not interfere with other ocean user activities.
- **Marine Survey Contractor** – NV5-Geodynamics, a North Carolina based company with offshore wind and marine expertise, will conduct the surveys. Protected Species Observers will be utilized for the surveys.
- **Survey Window** – The surveys will be conducted over a 3 to 5-day window in August, subject to unforeseen events, including any weather-related delays.

Surveys will be conducted south of Frying Pan Shoals
 ~ 30 nautical miles from shore in proximity of 33° 26' 56.652" N 77° 54' 22.4352" W

Carolina Long Bay Fast Facts:

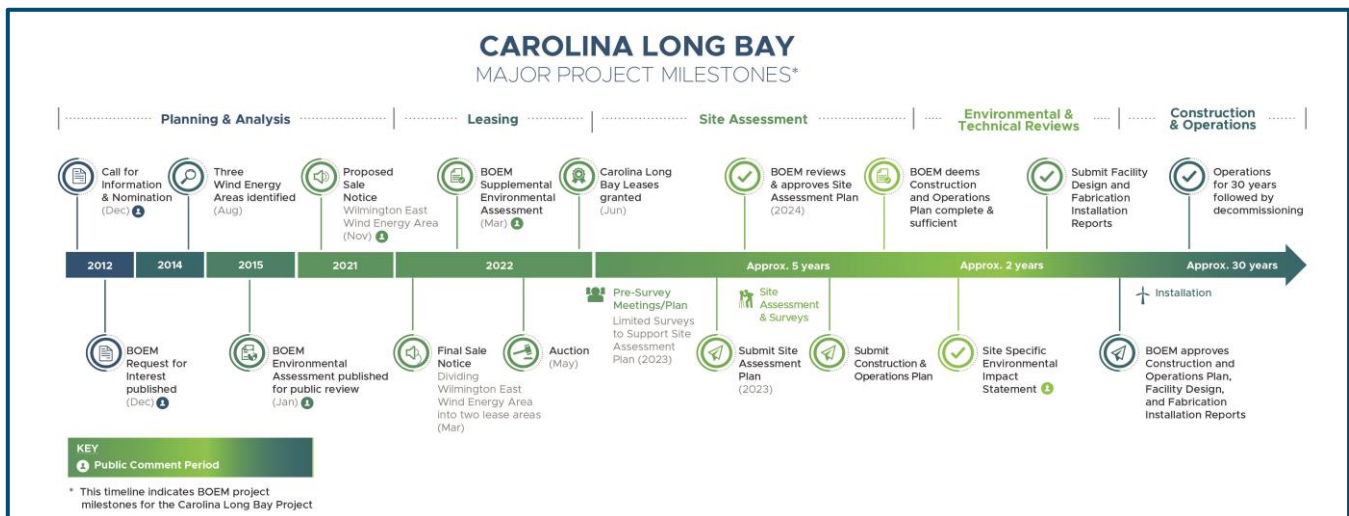
- TotalEnergies Renewables USA (TotalEnergies) and Cinergy Corp. a non-regulated direct subsidiary of Duke Energy (Duke Energy) – hold the 2 leases in Carolina Long Bay, OCS-A 0545 and OCS-A 0546, respectively.
- The lease areas are located approximately 22 statute miles from the closest point onshore.
- The combined lease areas are 120 square nautical miles.
- The projects support Carolinas' clean energy transition, including North Carolina's 70% carbon reduction goal.

Survey Approach and Benefits:

- Surveys will be performed onboard the *R/V Shackleford* – a 73-foot American-made and operated marine vessel designed for surveys for offshore wind development.
- The surveys will provide an understanding of the seabed to determine the environmental suitability for mooring of met-ocean buoys.
- Measures will be taken to protect marine mammals including dedicated observers and a vessel speed restriction of 10 knots.
- No equipment used will have sound frequencies harmful to marine animals or habitat.

Met-Ocean Buoy Deployment – Targeted to be deployed in 2024

- **Meteorological and Oceanographic Monitoring** – Buoys will be equipped with sensors to measure wind speed and other parameters to assess the wind resource and support the future design and siting of the wind turbines.
- **Environmental Monitoring** – Buoys will also be equipped with monitors and sensors to detect marine life including marine mammals, birds, bats, and fish.



Project Contacts



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