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.

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**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.

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**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.

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**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.

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**Project Contacts**

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