

Atlantic Shores Update MAFMC Meeting, April 2022

Atlantic Shores Fisheries Liaison Officer, Kevin Wark
Atlantic Shores Development Manager, Doug Copeland

Agenda

- **Atlantic Shores Overview**
- **Project Area & Fishing Activity**
- **Studies & Assessments to Date**
- **Data Sharing Initiatives**
- **Q&A**



Captain Kevin Wark, photo credit: Britton Spark

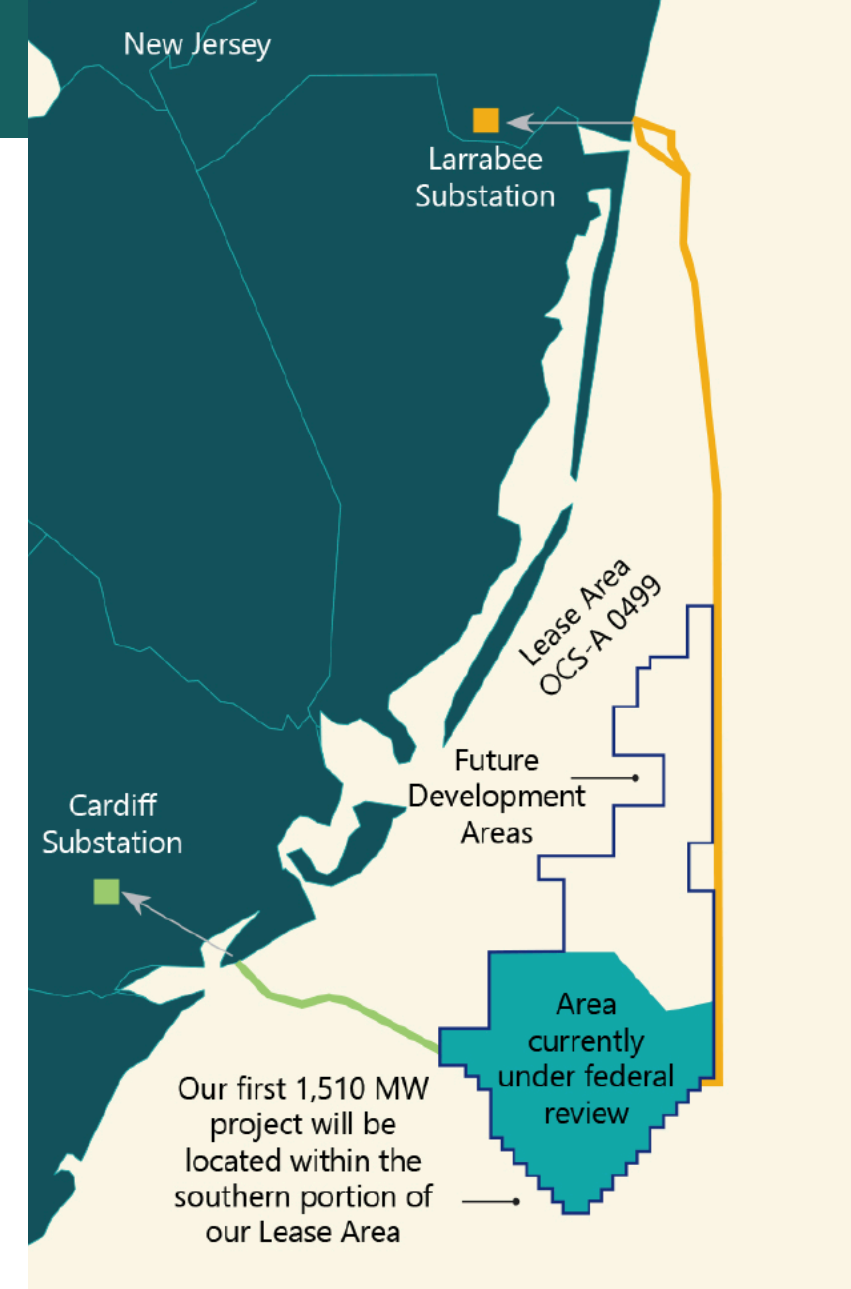
Atlantic Shores Overview

Atlantic Shores is a 50:50 joint venture between EDF Renewables and Shell New Energies. **Both companies come with decades/years developing onshore and offshore experience across the globe.**

We acquired the Lease Area in December 2018 from the Bureau of Ocean Energy Management (BOEM)

- Project will total 183,000 acres, all approximately 9-20 miles off the NJ coast
- 60-100' water depth
- Ongoing federal review of the southern half of the lease via the Construction and Operations Plan (COP)
- June 2021 awarded 1510MW project from NJ BPU
- Expected to start delivering power in the mid-2020s.

Development of the remaining Northern part of the Lease Area will be covered in a future construction operations plan.



New Jersey Fishing Outreach Team



Kevin Wark | Fisheries Liaison Officer

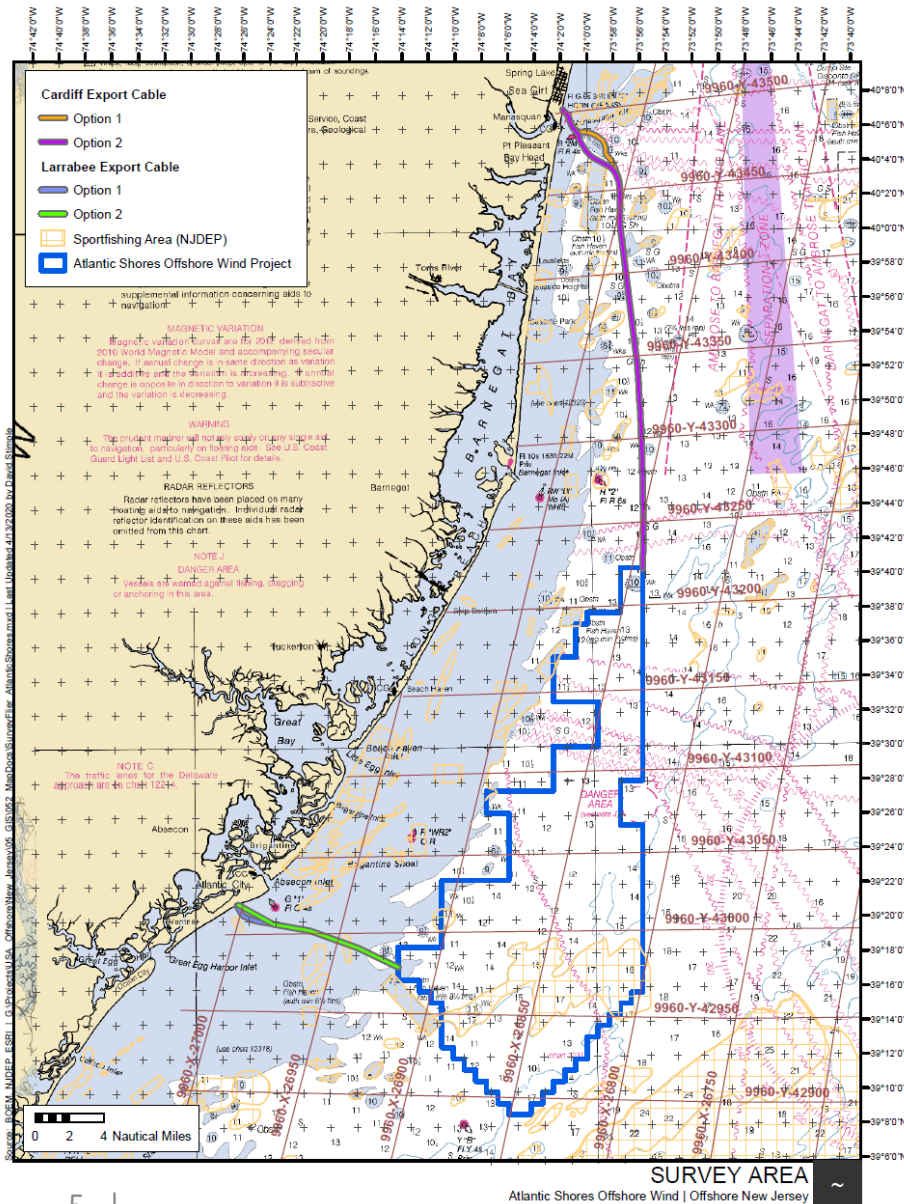
- Operates his own vessel out of Barnegat Light
- Over 40 years of commercial fishing experience
- Extensive research for Delaware State University and Rutgers University
- Member of NJ Department of Environmental Protection's new Environmental Resources Offshore Wind Working Group



Adam Nowalsky | Recreational Fisheries Representative

- Licensed charter fishing captain
- Over 25 years of saltwater fishing experience
- Involved in fisheries management for over a decade
- Committees: New Jersey Marine Fisheries Council, NJ Chapter of the Recreational Fishing Alliance, Mid-Atlantic Fishery Management Council, Atlantic States Marine Fisheries Commission

Key Fishing Activity



- Fixed and static Gear fishing within the 0499-lease and along cable routes
- Mobile gear fishing activity within the lease area and along cable routes
- Gear interaction and avoidance within 0499 and corresponding cable routes
- Recreational fishing issues as per surveys

Lease Area Studies & Assessments

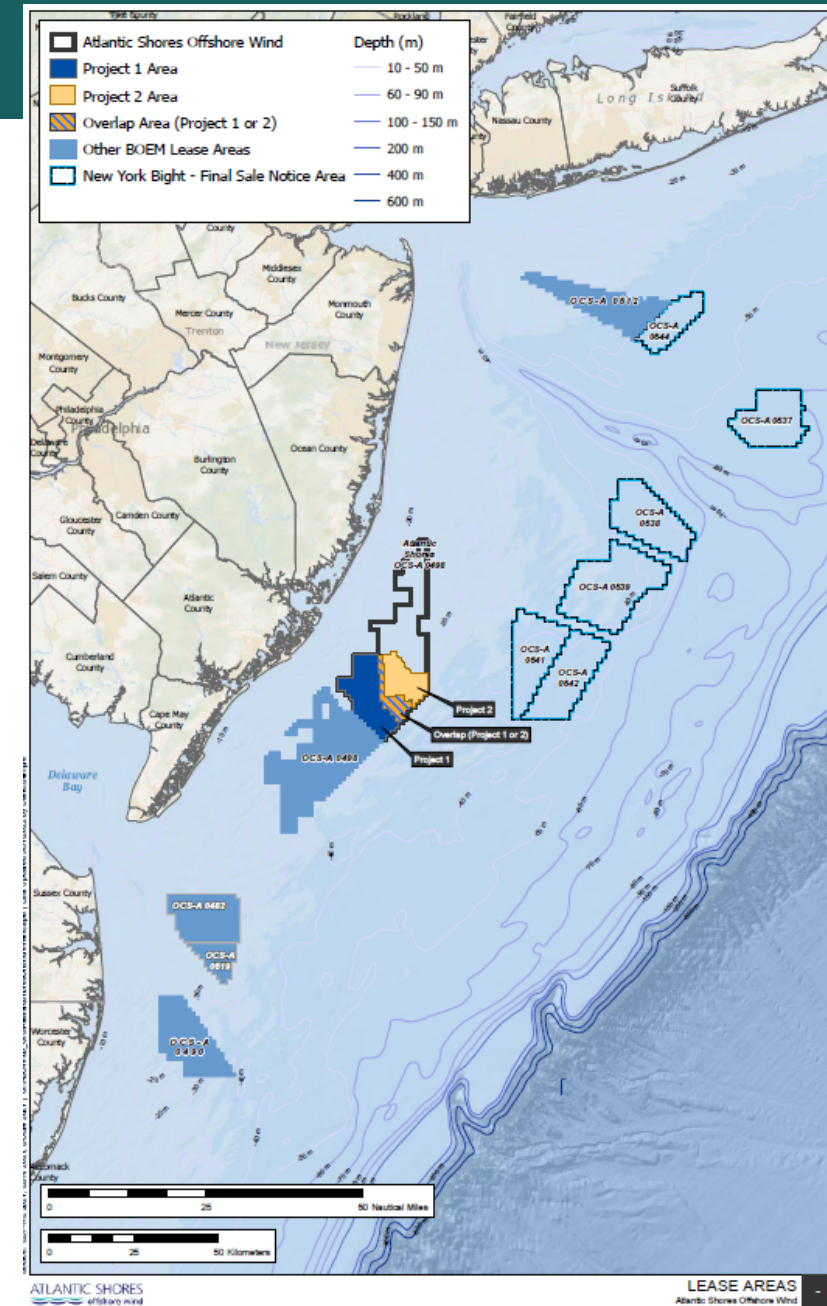
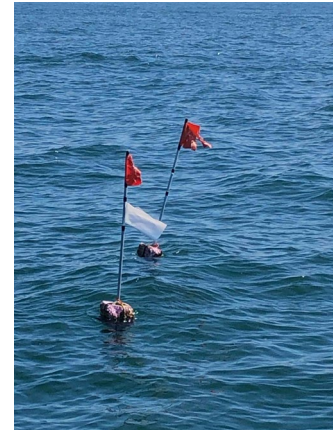
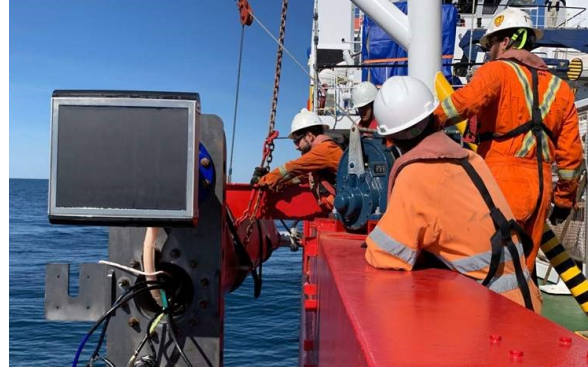
35 studies done to date

Completed

- Fishing vessel traffic analyses
- Mapping of reefs
- Transit corridor assessments
- Navigational risk assessment & vessel transit modeling
- Desktop analyses of fisheries socioeconomics
- Acoustic modeling
- Studies in part of COP, posted on BOEM site: <https://www.boem.gov/renewable-energy/state-activities/atlantic-shores>

Ongoing

- Additional studies in northern half of lease
- Gear scouting to avoid during surveys
- Search and rescue planning
- Seafloor habitat and fisheries surveys



Fisheries Research in Lease Area & the Region

Current Lease Area Research

- Stockton University
 - Mapping the ecological growth on submerged structures on the Little Egg artificial reef
- Rutgers University
 - Modeling of wind conditions and visibility studies for turbines; Predicting movement of surf clams over next 30 years; Ocean observation studies to improve storm forecasting

Regional Research

- Responsible Offshore Science Alliance (ROSA) Founding Member
 - Participate on the Advisory Council, Executive Committee, & Board of Directors
 - Establishing regional fisheries monitoring guidance

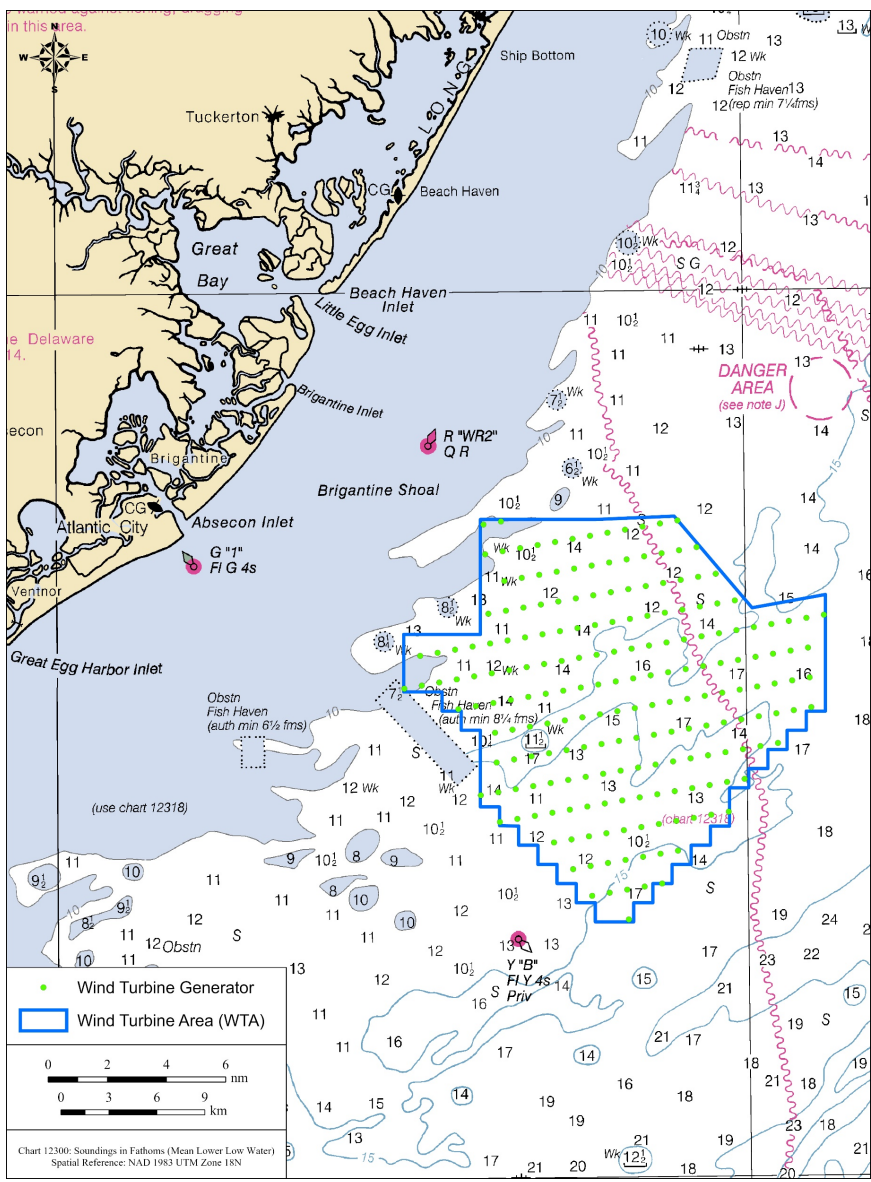
Research Highlight

Rutgers Clam Study Focused on Surf Clam Industry



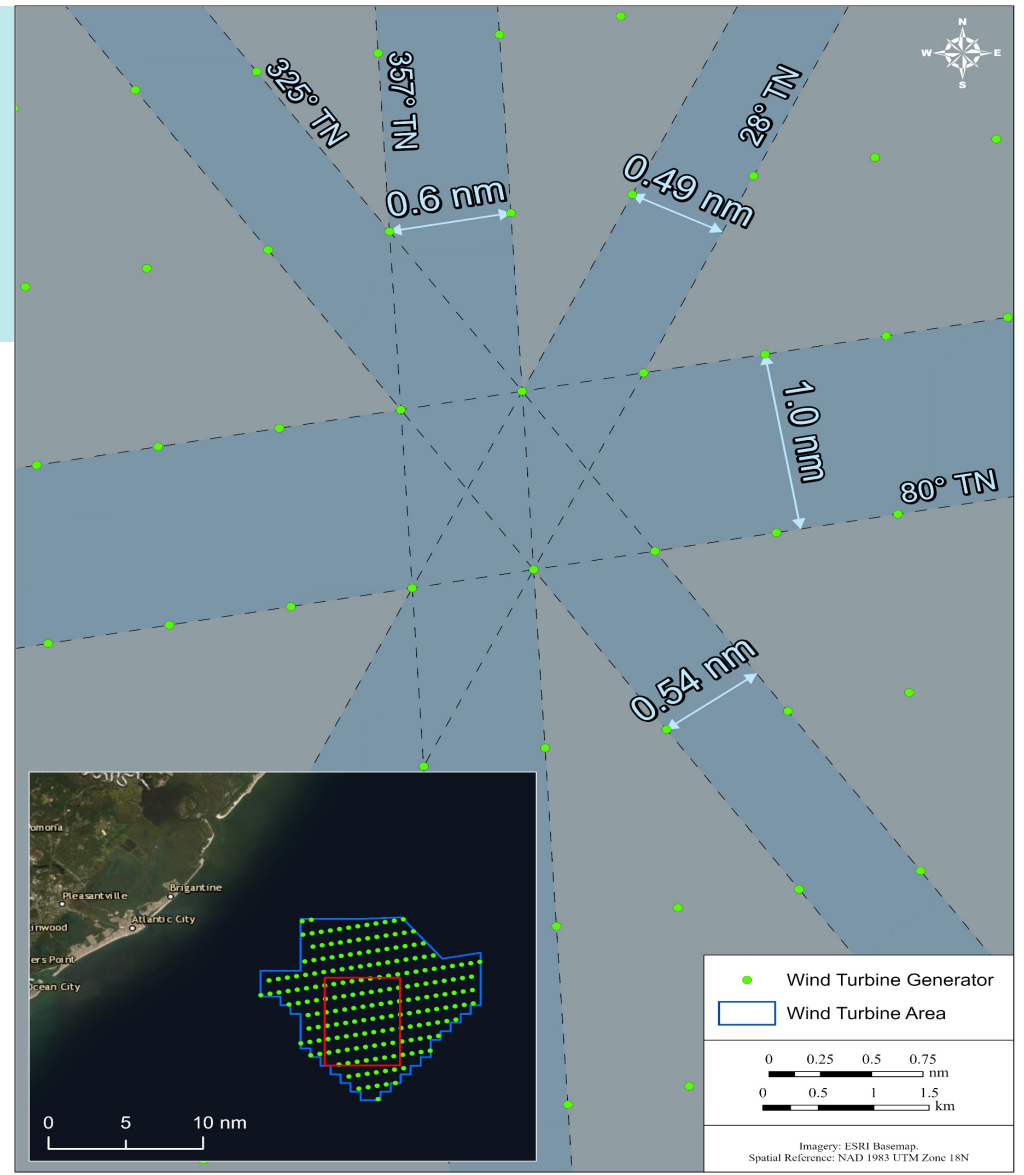
Surf clam research.
Image credit Dr. Daphne Munroe, Rutgers University

Proposed Wind Turbine Layout for Southern Portion of Lease



Transit Orientation, prepared by Baird.

Directionality and spacing of corridors within the Southern portion



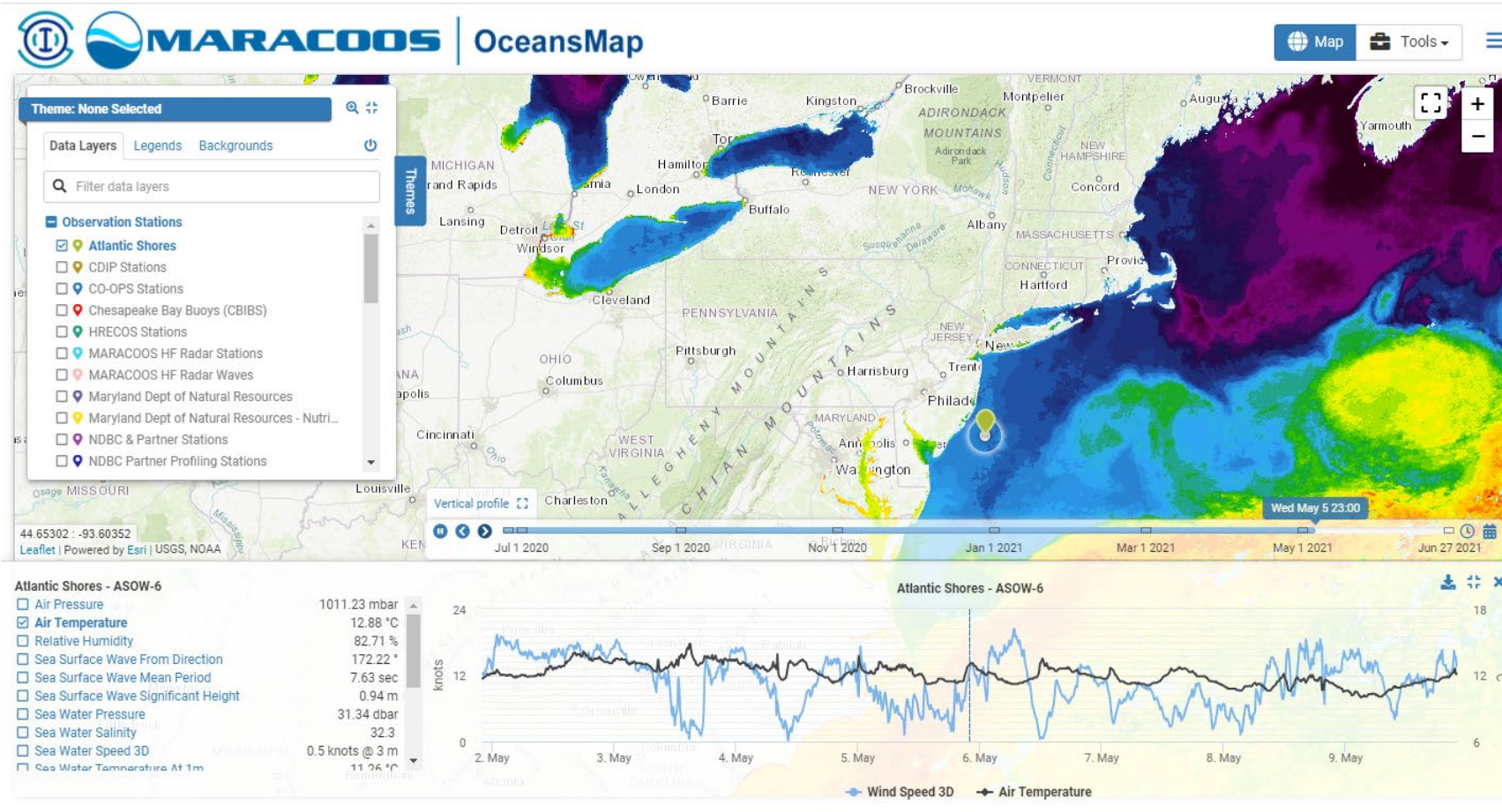
Target cables burial depth: 1.5-2 meters as seabed conditions allow

Proposed Turbines in Southern portion of lease area, prepared by Atlantic Shores

The first project will consist of up to 111 of these proposed locations.

Data Sharing Initiatives

- We work with the Mid-Atlantic Coastal Ocean Observing System to share data.
- Mariners Information <https://www.atlanticshoreswind.com/mariners/>



22°C
Air Temperature

22°C
Sea Water Temp at 1m



94%
Relative Humidity



5 m/s
Wind Speed

196°
Wind from Direction



20 m
Sea Surface Wave Significant Height

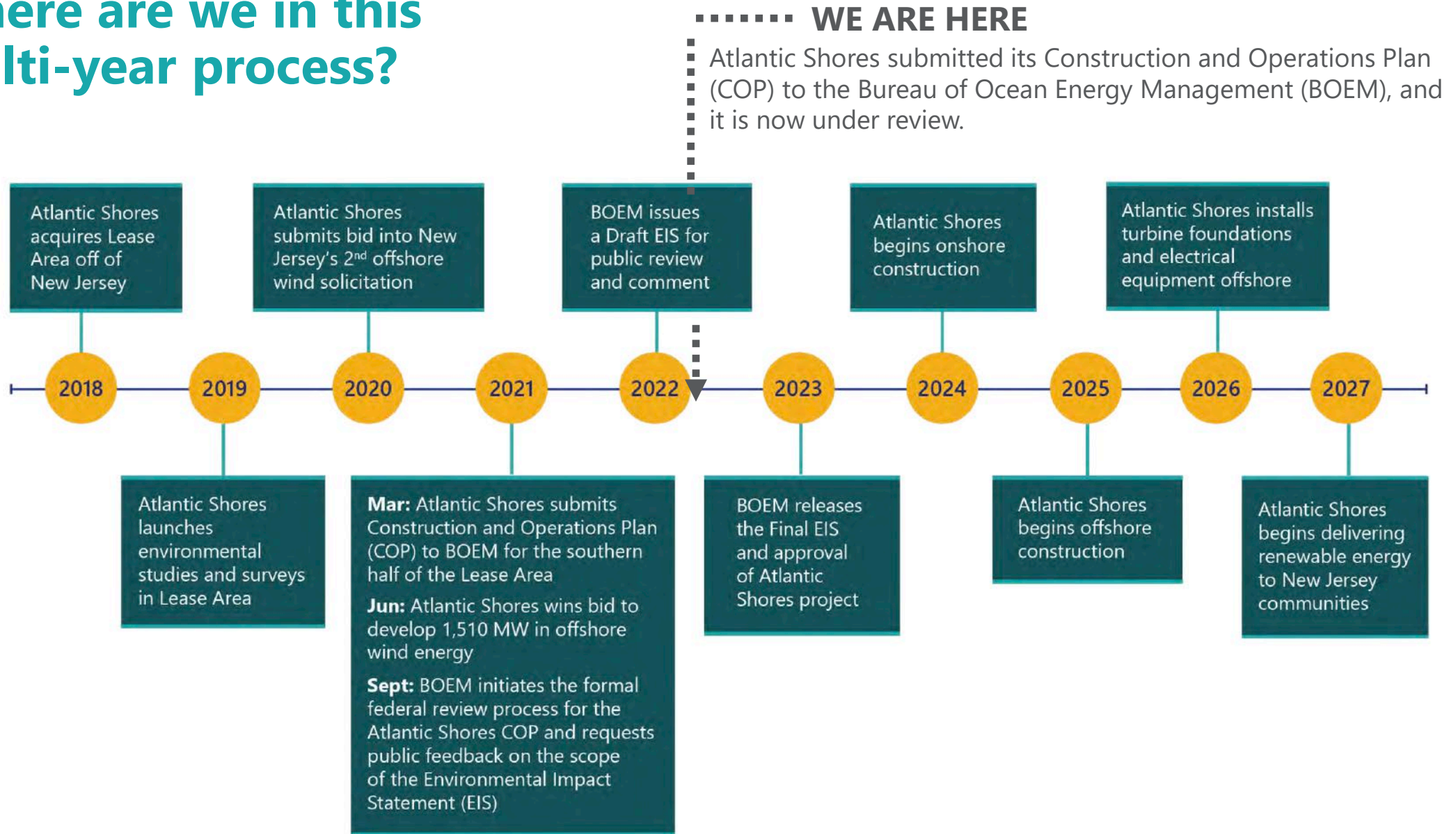


1,024 mbar
Air Pressure

Federal Permitting Schedule

Permit/Activity	Submission Date	Issuance Date	Notes
NOI Issuance		9/30/2021	Assumption
Draft EIS		11/30/2022	14 months post NOI
Final EIS		8/30/2023	23 months post NOI
ROD		9/29/2023	24 months post NOI
Other Federal Authorizations		12/29/2023	Within 90 days of ROD
NMFS IHA or LOA	3/1/2022	12/29/2023	Submit 5 months after NOI
EPA OCS Air Permit	6/1/2022	12/29/2023	Assume draft issued 6 months prior
USACE Individual Permit	10/31/2022	12/29/2023	Submit 1 month prior to DEIS
USCG Private Aids to Navigation (PATON)	11/29/2023	12/29/2023	
FAA Determination of No Hazard	3/29/2023	12/29/2023	Base Case Filing Date – before onshore construction
FAA Determination of No Hazard	9/29/2023	6/24/2024	Later Filing Date – before offshore construction

Where are we in this multi-year process?



Thank You

Questions?

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