



# New England Wind

*Project update for the Massachusetts Fisheries Working Group*

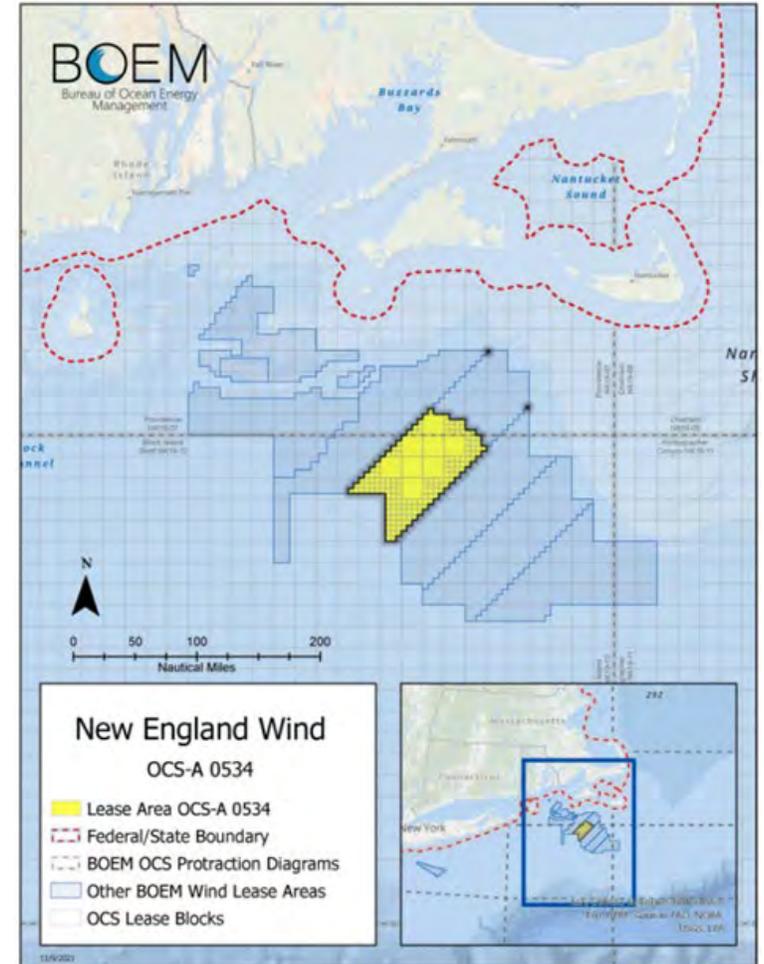
October 14, 2022



# New England Wind

## Federal Permitting

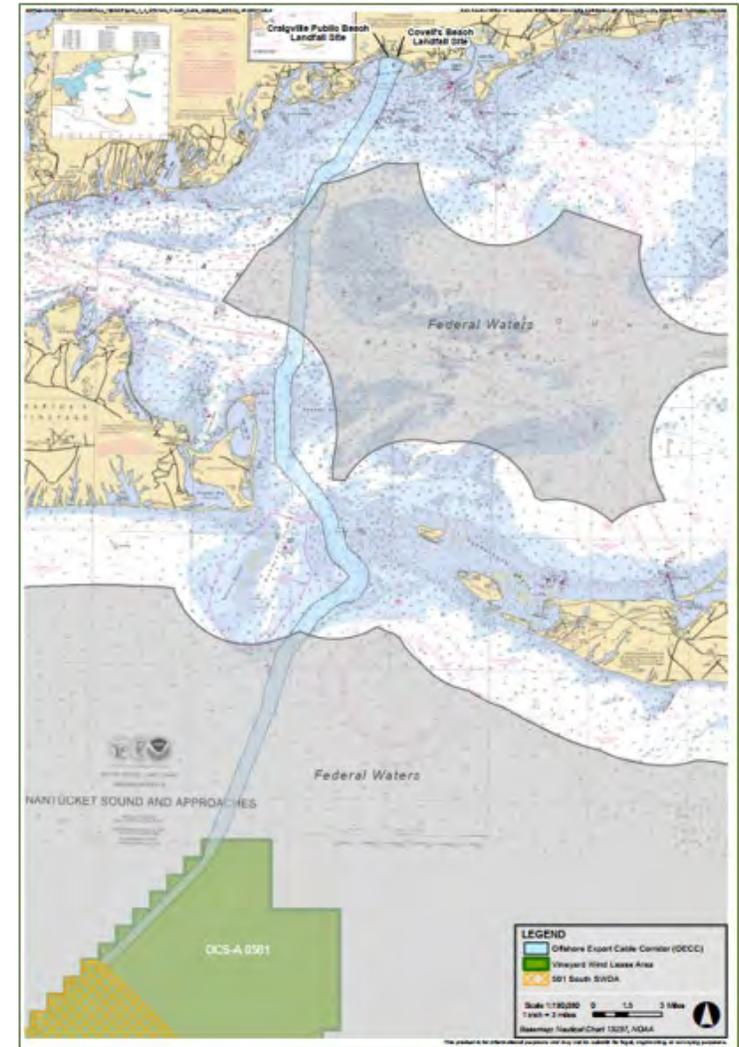
- Lead Federal Agency: BOEM (Bureau of Ocean Energy Management)
  - Construction and Operations Plan (COP) submitted July 2, 2020
  - Draft Environmental Impact Statement in preparation
    - Public comment period anticipated in Q4 2022 - Q1 2023
- Progress since last quarter:
  - Updated COP now available on [BOEM's website](#)
  - Submitted for federal consistency with RI CRMC in August and MA CZM in September
  - Submitted for US Army Corps of Engineers review in September
  - Submitted applications with the US Environmental Protection Agency in October



# New England Wind

## Massachusetts Permitting

- New England Wind 1 Connector
  - Scope of the review: Park City Wind's offshore export cable proposed in state waters and onshore infrastructure proposed in Barnstable
  - MA Environmental Policy Act (MEPA) certificate obtained Q1 2022
  - Permitting progressing at the state, regional, and local levels
  - Energy Facilities Siting Board review ongoing (petition filed May 28, 2020 - Docket #EFSB 20-01)
- New England Wind 2 Connector
  - Scope of review: Commonwealth Wind's offshore export cable proposed in state waters and onshore infrastructure proposed in Barnstable
  - Massachusetts review started, with notice in the *Environmental Monitor* October 7, 2022 by Massachusetts Environmental Policy Act (MEPA)



# New England Wind

## Park City Wind Environmental and Fisheries Research

- UConn Marine Sciences: Fisheries research conducted as part of the Connecticut Initiative on Environmental Research of Offshore Wind
  - Status: Contract Execution expected Q4 2022
- Mystic Aquarium: Protected marine species research
  - Status: Contract Execution expected Q4 2022



## Acoustic Telemetry Study for Highly Migratory Species

- Partnership with the New England Aquarium, offshore wind developers, and recreational fishermen to document high migratory species presence across the MA and RI/MA Wind Energy Areas
  - Status: Survey active



## Channeled Whelk Study

- Partnership with SMAST to support a baseline study focused on the age of maturity and fecundity of channeled whelks in various sample locations in Massachusetts waters
  - Status: on-going



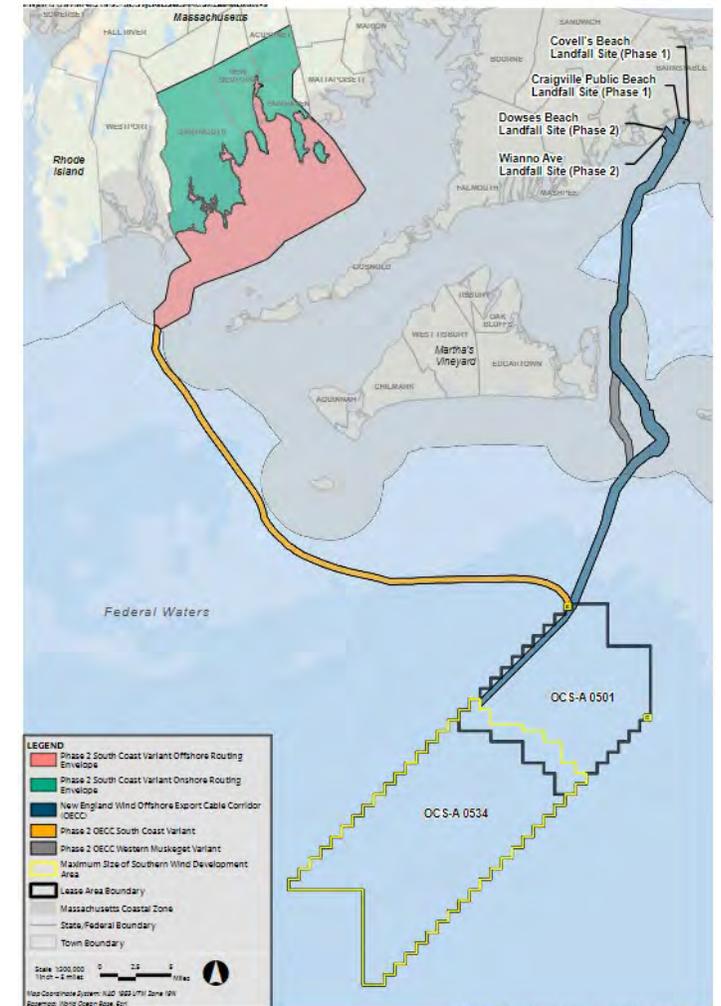
## Survey Update

### Fisheries

- Bottom Trawl – On Hold - Permitting
- Drop Camera - Spring Season completed May 2022
- Highly Migratory Species Acoustic Monitoring – Active through March 2023

### G&G

- 534 lease area
  - Geotechnical surveys conducted by M/V Regulus – Active through March 2023
    - 2 scout vessels: FV Mister Marco and FV Barbara Ann – Active through March 2023
  - Geophysical surveys (magnetometer)– Beginning March 2023
- Nearshore Barnstable, MA
  - Geotechnical survey by a jack-up barge for ~ 1 week – Beginning late-October
- State waters/ Buzzards Bay
  - Geophysical surveys of export cable route - Expected start in March 2023



# Thank you

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*Fisheries Liaison*



**AVANGRID**



**Offshore  
Wind**



MAYFLOWER WIND

# Project Update

*Presented to*

MA EEA Fisheries Working Group on Offshore Wind Energy

*Presented by*

Erin Healy, Marine Science Permitting Manager, Mayflower Wind

October 14, 2022

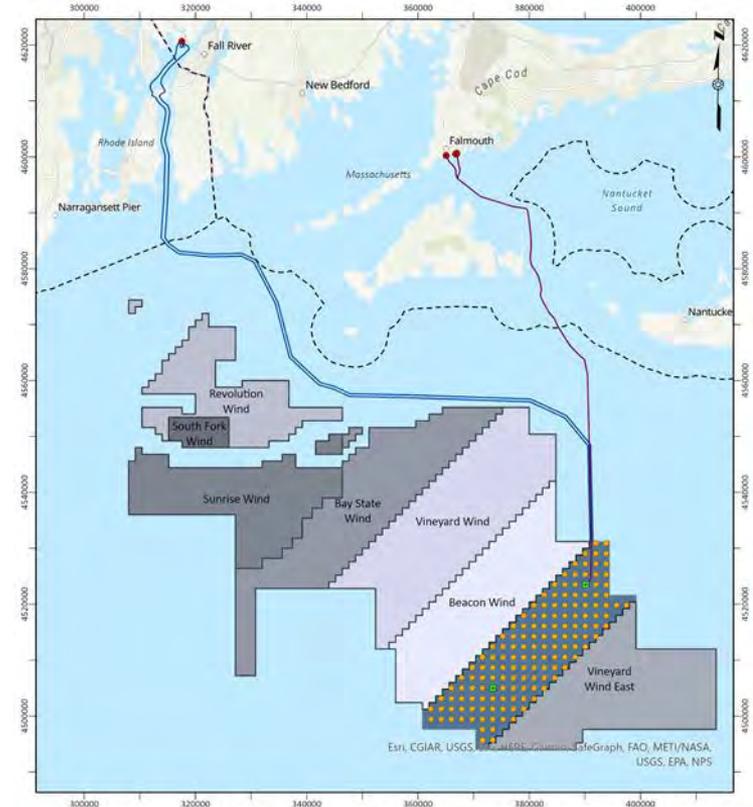
# Mayflower Wind Project Overview

## Points of Interconnection

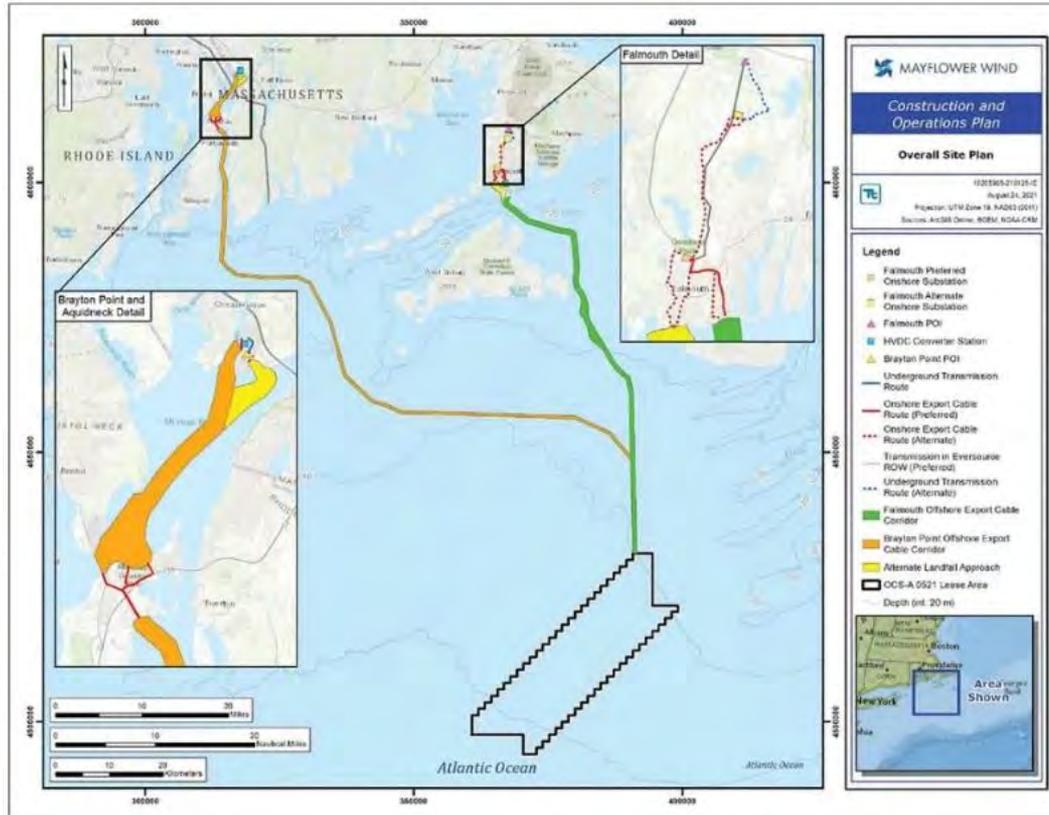
- Falmouth, MA
- Brayton Point, Somerset MA

## Lease OCS-A 0521

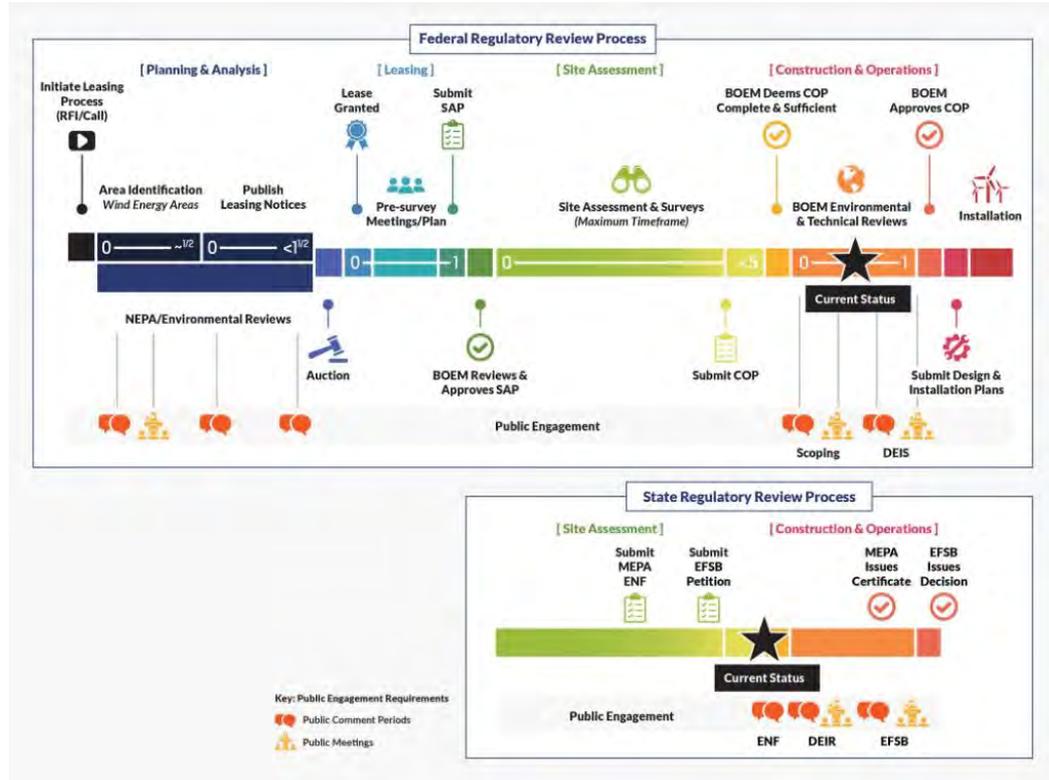
- 127,388 acres
- Up to 149 positions with up to 147 wind turbine generators (WTG)/ and 5 offshore substation platform (OSP) positions within the lease area
- 1nm x 1nm spacing



# Mayflower Wind Project Overview



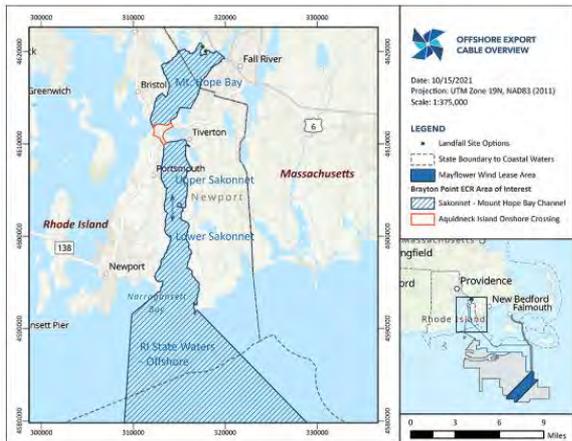
# Mayflower Wind Project Progress



# Ongoing Geotechnical Sampling

mayflowerwind.com > Our Commitment > Mariners

Mayflower Wind G&G Surveys - Offshore, Sakonnet River and Mt. Hope Bay



Mayflower Wind G&G Surveys - Vessel Operating Schedule

	October 9-15	October 16-22	October 23-29
Mt. Hope Bay	N/A	N/A	N/A
Upper Sakonnet	N/A	N/A	N/A
Lower Sakonnet	N/A	N/A	N/A
Offshore - RI State Waters	N/A	N/A	N/A
Offshore - Federal Waters	N/A	N/A	N/A
Mayflower Wind Lease Area	Fugro Explorer	Fugro Explorer	Fugro Explorer



Deep Water | Vessel: Fugro Explorer

Water Depths >~12m  
 LOA: 261'  
 Call Sign: 3FEV9  
 Phone: 713-489-3204

# New Mayflower Wind Informational Materials

mayflowerwind.com, scroll down, click on 'Experience Mayflower Wind'



# New Mayflower Wind Informational Materials

## 3D Offshore Model

NEWS

### Take a virtual tour: Mayflower Wind's 3D model offers a glimpse at offshore wind project



**Kathryn Gallerani**  
Standard-Times

Published 4:00 a.m. ET July 14, 2022

[View Comments](#)



NEW BEDFORD — You're the captain of a 45-foot fishing boat, navigating your way through a sea of wind turbines, in the rain, focused on avoiding possible danger ahead.

In these days of virtual reality, with [Mayflower Wind's](#) new 3D Offshore Model, it's possible to envision such a scenario from land.

The 3D model that made its debut with Community Liaison Officer Dugan Becker and Fisheries Liaison Officer Joel Southall during July port hours in New Bedford offers a realistic visual simulation of [Mayflower Wind's offshore lease area](#).

Users will be able to virtually navigate the offshore wind farm from a range of vessel types and in different weather, sea and lighting conditions.

Shown at July Joint Developer Port Hours, available for demonstrations upon request!



This is a rendering of a first person view from a fishing vessel navigating Mayflower Wind's offshore lease area during a rainstorm using the company's 3D Offshore Model. *Courtesy/Mayflower Wind*

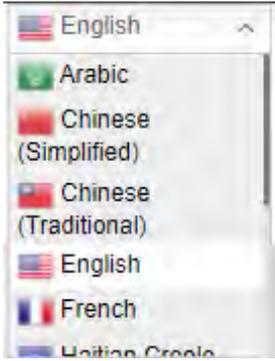
# Thank You

Questions and Comments?

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PROJECT OVERVIEW ▾ ABOUT US OUR COMMITMENT ▾ NEWS & EVENTS ▾ WORK WITH US ▾ SIGN UP FOR UPDATES 🔍



# Ørsted Offshore North America

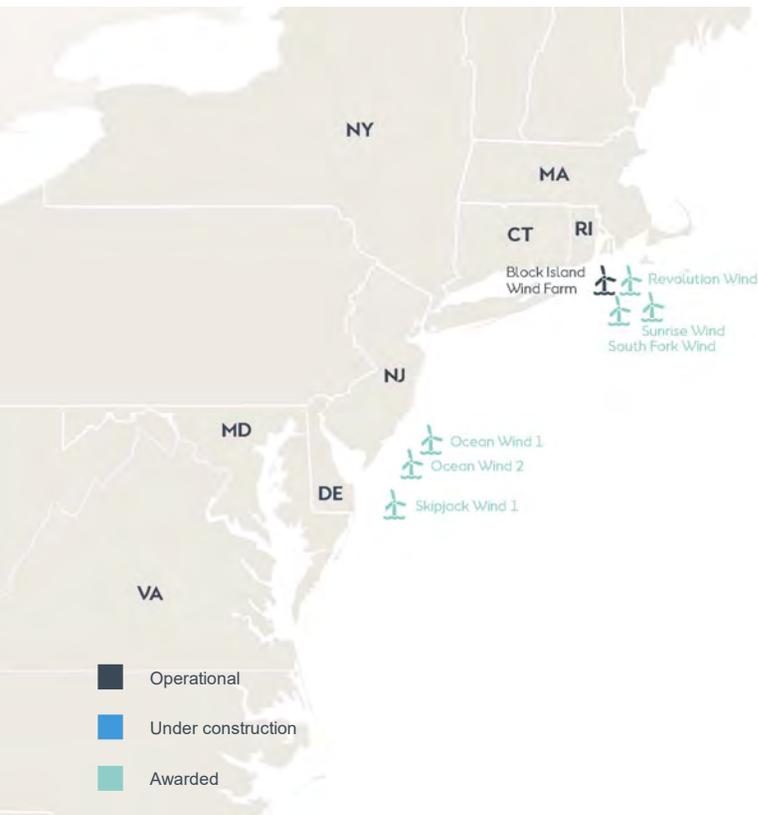
Northeast Program Update



MA Fisheries Working Group  
Meeting on Offshore Wind  
October 2022

## Ørsted Offshore North America portfolio

Awarded over 4,000 MW of offshore capacity on the East coast



### In Operation

**Block Island Wind Farm (BIWF): 30MW**

### Awarded

**Revolution Wind (REV): 50/50 JV w/ Eversource, 704MW (400MW to RI, 304MW to CT)**

**South Fork Wind (SFW): 50/50 JV w/ Eversource, 132MW**

**Sunrise Wind (SRW): 50/50 JV w/ Eversource, approximately 924MW**

**Ocean Wind 1 (OCW1): 75/25 JV with PSEG, 1,100MW**

**Ocean Wind 2 (OCW2): 1,148MW**

**Skipjack Wind 1 (SJW1): 120MW**

**Skipjack Wind 2 (SJW2): 846MW**

# Orsted Northeast Program 50/50 JV with Eversource

## South Fork Wind

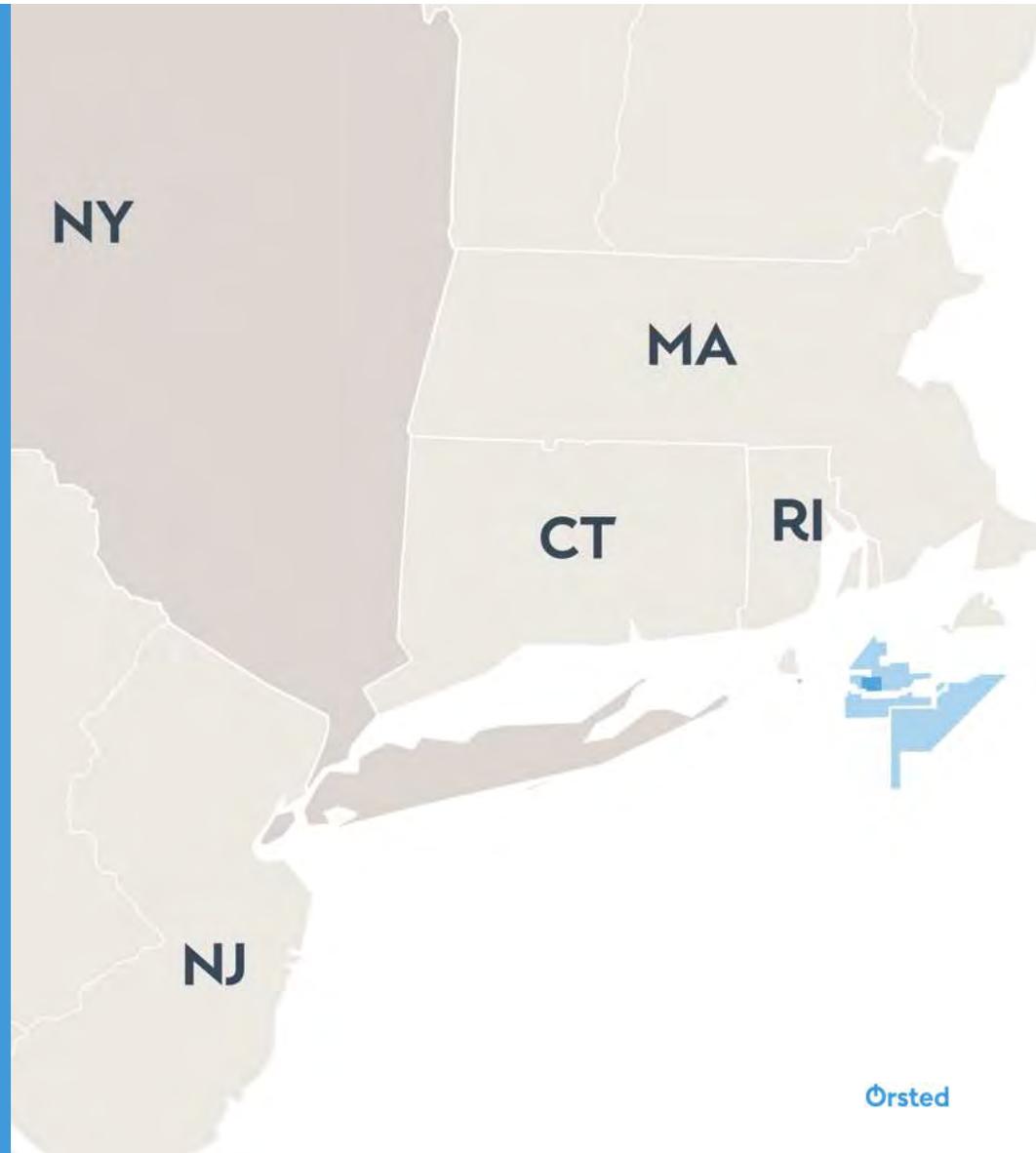
- Lease Area OCS-A 0517
- Deliver power to the East Hampton, NY
- NY Article VII approved March 2021
- COP Approval January 2022
- **Onshore: Construction Commenced**
- **Offshore: Pre-construction Fall 2022, Construction Spring 2023**

## Revolution Wind

- Lease Area OCS-A 0486
- Interconnect to the existing Davisville Substation, RI
- RI EFSB Order Issued July 2022
- RI CRMC/RIDEM permit applications under review
- **DEIS September 2022, FEIS June 2023**

## Sunrise Wind

- Lease Area OCS-A 0487
- Proposed interconnection at Holbrook Substation, NY
- NY Article VII Settlement meetings close to completed
- **DEIS December 2022, FEIS July 2023**



# Northeast Program Update

## FISHERIES SURVEYS

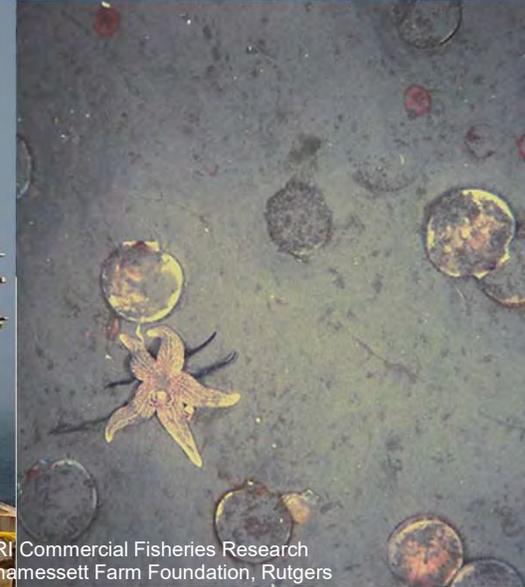
- **SFW (underway)**
  - Beam Trawl
  - Gillnet Survey
  - Fish Pot Survey
  - Ventless Trap Survey
  - Cod Spawning Monitoring (PAM)
- **REV/SRW (delayed by permitting)**
  - Bottom Trawl Survey
- **REV (delayed by permitting)**
  - Ventless Trap Survey
  - Cable Route Ventless Trap Survey (Winter 2022)
- **SRW (underway)**
  - HABCAM survey (first survey completed in Aug.)

## ACOUSTIC TELEMETRY SURVEYS

- Highly Migratory Species (SFW/REV/SRW- 32 receivers deployed)
- Export Cable (SFW-underway/SRW-array deployed and ~80 sharks tagged to date)

## BENTHIC SURVEYS (planned)

- Soft and Hard Bottom Habitats (SFW/REV)
- 4 • Soft Bottom Habitats (SRW)



\*Photos courtesy of RI Commercial Fisheries Research Foundation and Coonamessett Farm Foundation, Rutgers

# SFW Seabed Preparation Activities

Based on multiple years of site investigation and engineering design, our seabed preparation activities are designed to support a safe, high quality, and efficient construction campaign.

Seabed preparation activities include:

- Displacing boulders from designed foundation locations and cable routes
- Protecting existing cables that cross our designed export cable route

# Displacing Boulders from Designed Routes Using a Boulder Pick

- For areas of low boulder density, a boulder pick will be used to displace specific boulders from designed cable routes and foundation locations.
- Activity began in late September and is expected to continue until November.

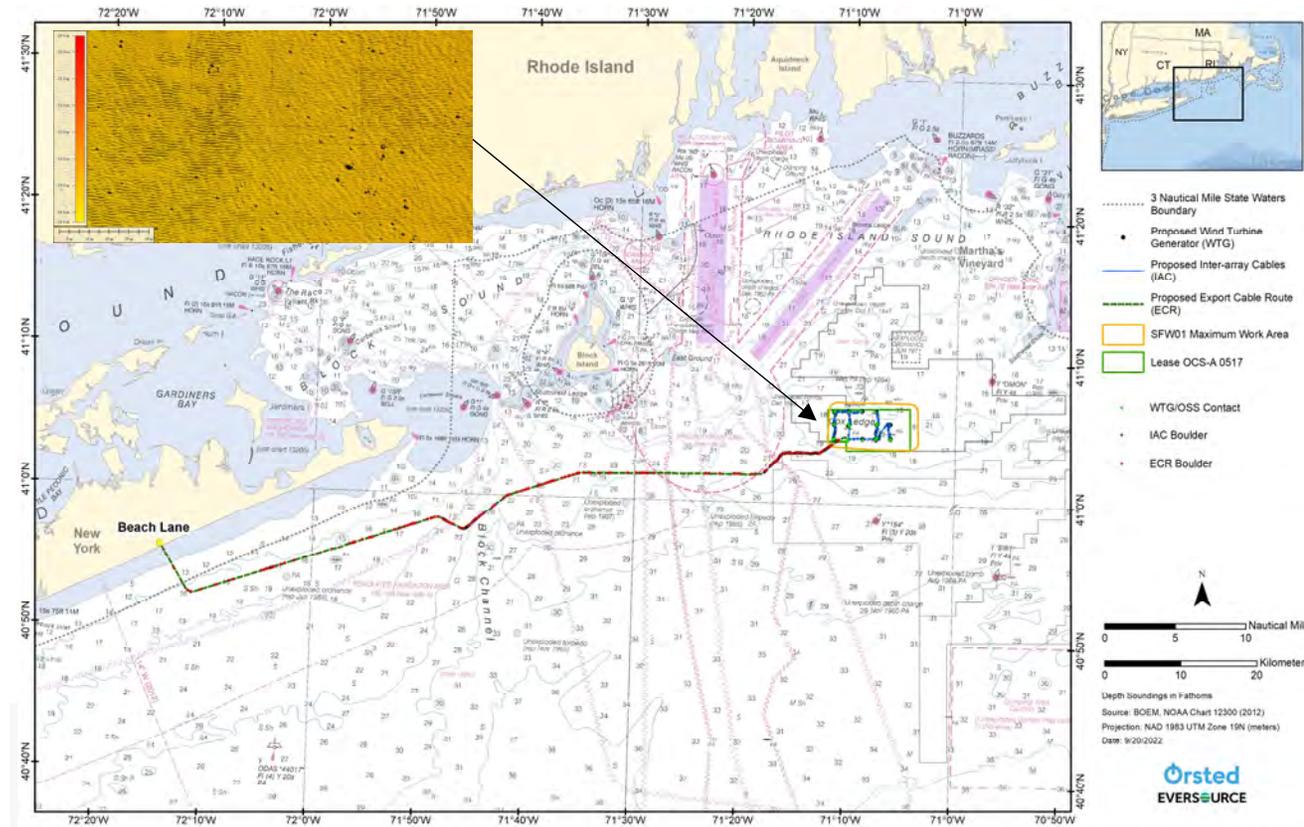
## Vessel and Equipment



Shelia Bordelon  
Flag: US  
IMO: 9670638  
FLO: Max Hall



**Boulder Pick:**  
The boulder pick is used in conjunction with an ROV with light and cameras. Boulders will be moved a short distance outside of the cable corridor.



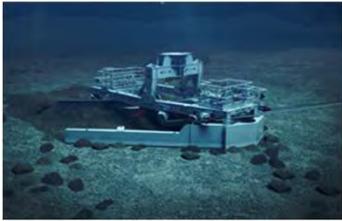
# Displacing Boulders from Designed Routes Using a Boulder Plough

- For areas of high boulder density, a boulder plough will be used to displace boulders from designed cable routes and foundation locations.
- Earliest start date anticipated late November, duration is approximately 1 month.

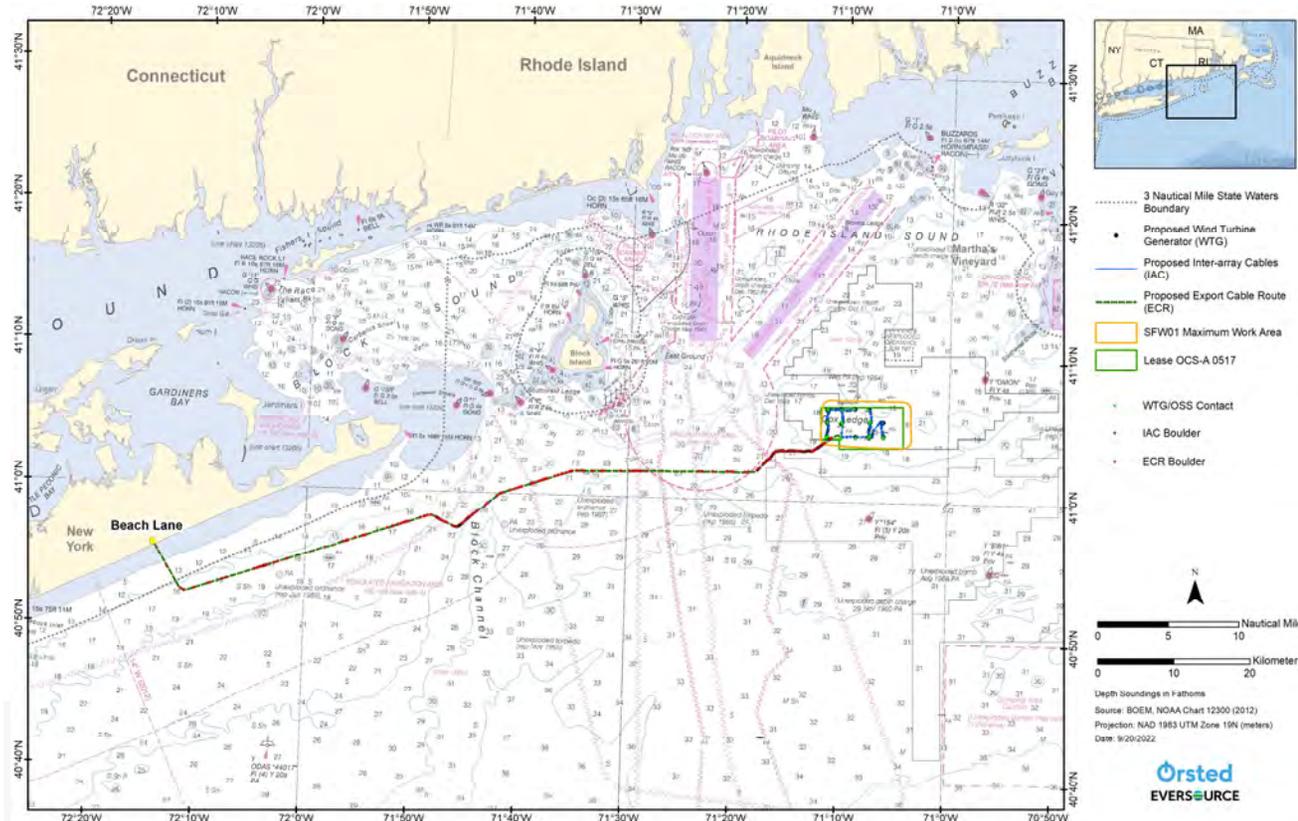
## Vessel and Equipment



Laney Chouest  
 Flag: US  
 IMO: 967063  
 FLO: TDB



**Boulder Plough:**  
 The plough will be towed on a wire ~ 300 yards behind the vessel and clear a path ~50 ft wide. The vessel will move less than ~0.25 kts when the plough is deployed. Key area of coordination: fishing gear in the path on the plough risks being damaged



# Protecting Existing Cables that Cross our Design Export Cable Route

- For six existing cables that cross our design export cable protect existing cables with matting.
- Activity completed in late September/early October.
- Mattress locations available for P-Sea Windplot and TimeZero

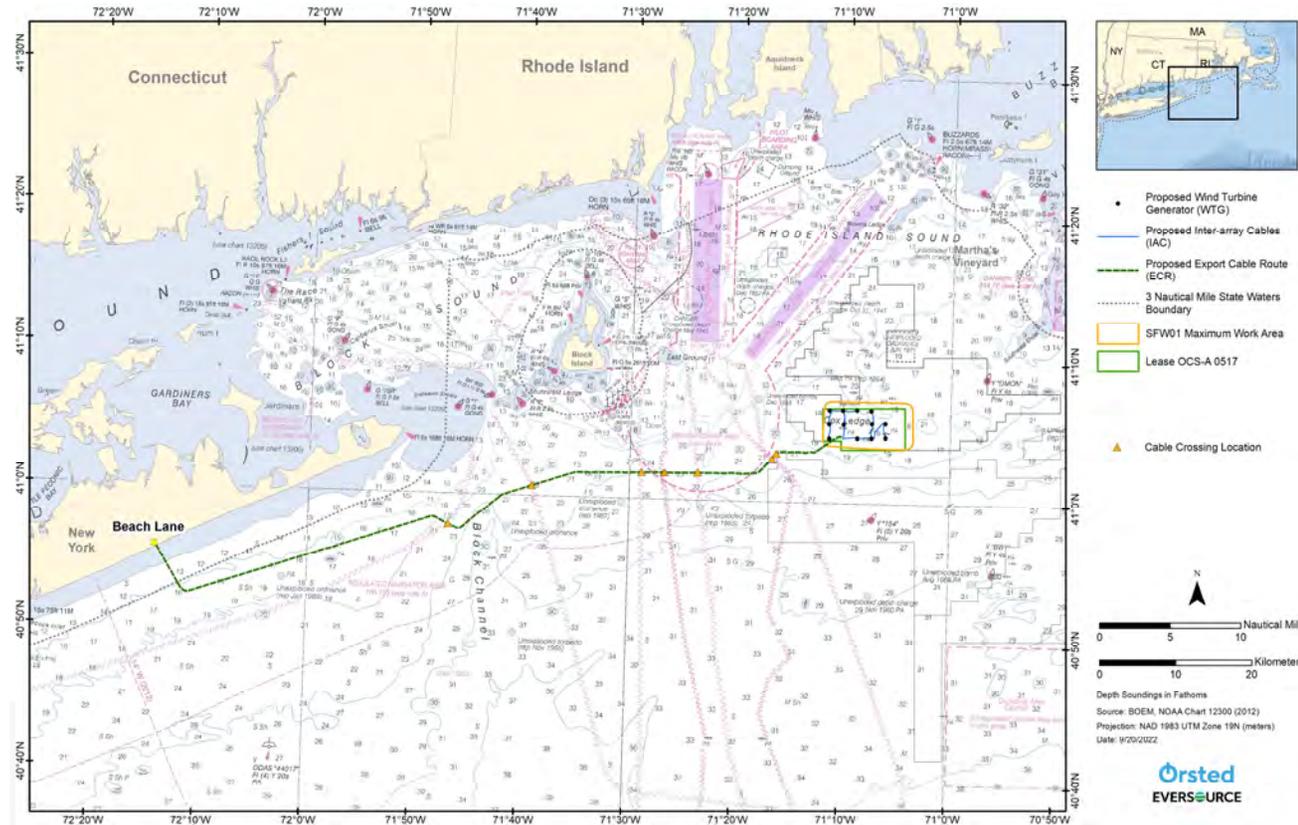
## Vessel and Equipment



Shelia Bordelon  
 Flag: US  
 IMO: 9670638  
 FLO: Max Hall



Cable protection mattress with tapered edges to support fishing.  
 Dimensions: ~ 20' x 10' x 1'



## Seabed Prep – Mariner Engagement

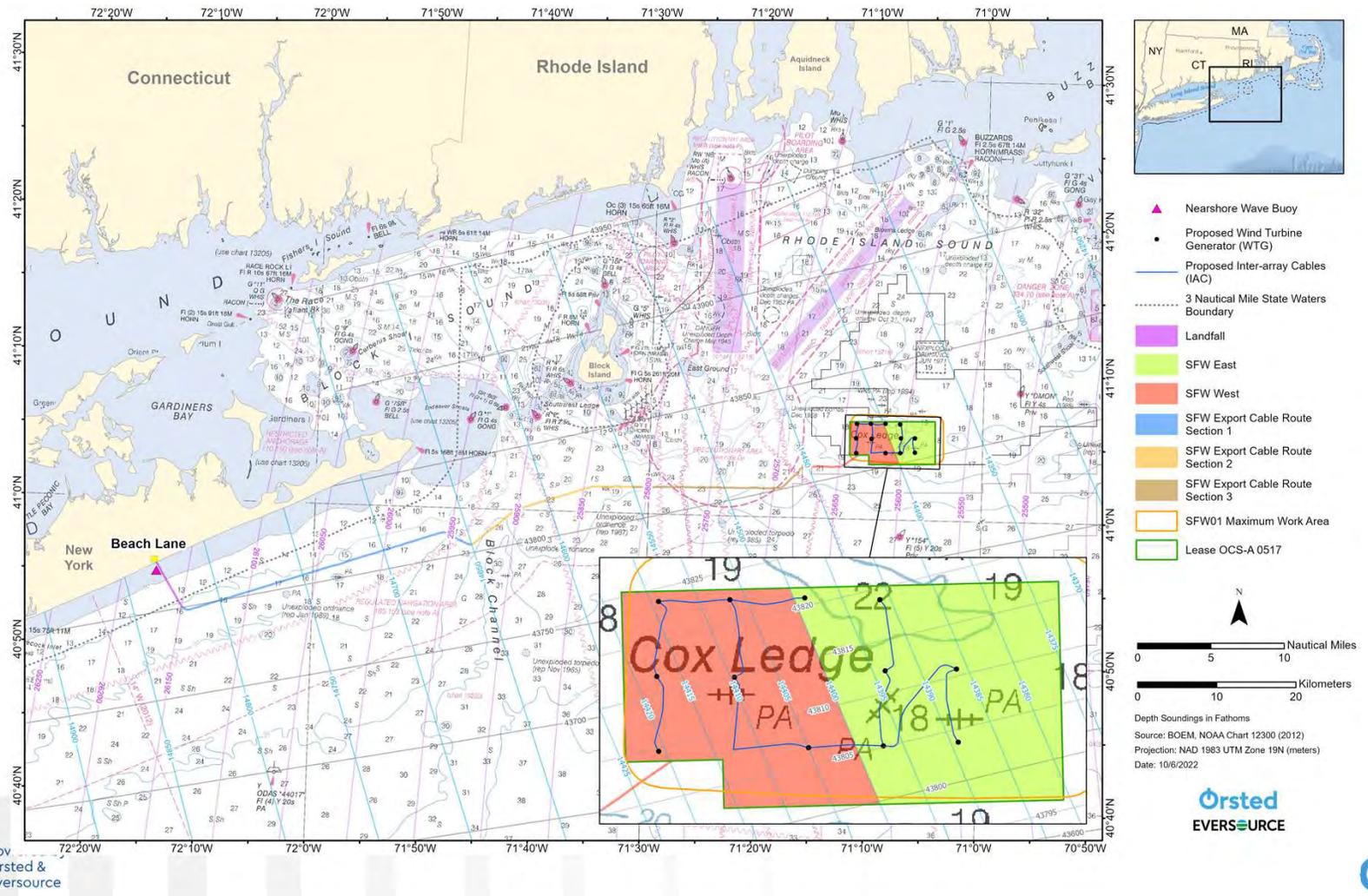
- Fisheries Liaison Officer supporting major vessels, and potentially a scout vessel
- Twice-daily radio broadcast to update vessel activities and establish a Working Channel throughout the campaign
- Mariners Briefings: Mondays and Thursdays with 3 and 7-day outlooks
  - Updated work areas based on the 14000 Loran lines
- Thumb drives with pre-lay mattress locations for PCWinplot and TimeZero will be available
- Existing and new locations for boulders moved with the pick will be posted to our website on a regular basis
- Start and end points for the plough lines when the work is completed
- Marine Affairs staff will be available in-person or by phone to provide information and answer questions



<https://us.orsted.com/wind-projects/mariners>



# Work Areas



South Fork Wind

Pov  
Orsted &  
Eversource

Orsted  
EVERSOURCE

Orsted

## Gear Loss Claims

- Our gear loss claim process is in place for all seabed prep work
- To file a gear claim you will need:
  - The date the gear was set and the damage was discovered
  - The location of your gear (lat/long or TDs)
  - A list of the gear that was lost or damaged
  - An estimate of the repair or replacement cost
- Fishermen who suffer gear loss can also file a claim for economic loss
- To claim economic loss, you will need:
  - VTRs for the 3 trips immediately before the trip the loss occurred
  - The VTR for the trip the loss occurred
  - The VTR for the trip immediately after the loss was discovered
  - The amount of fishing time lost because of the gear damage

**If you suffer gear damage or loss because of this work, please contact Chris Sarro or Rodney Avila as soon as possible**



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Marine Affairs Specialist

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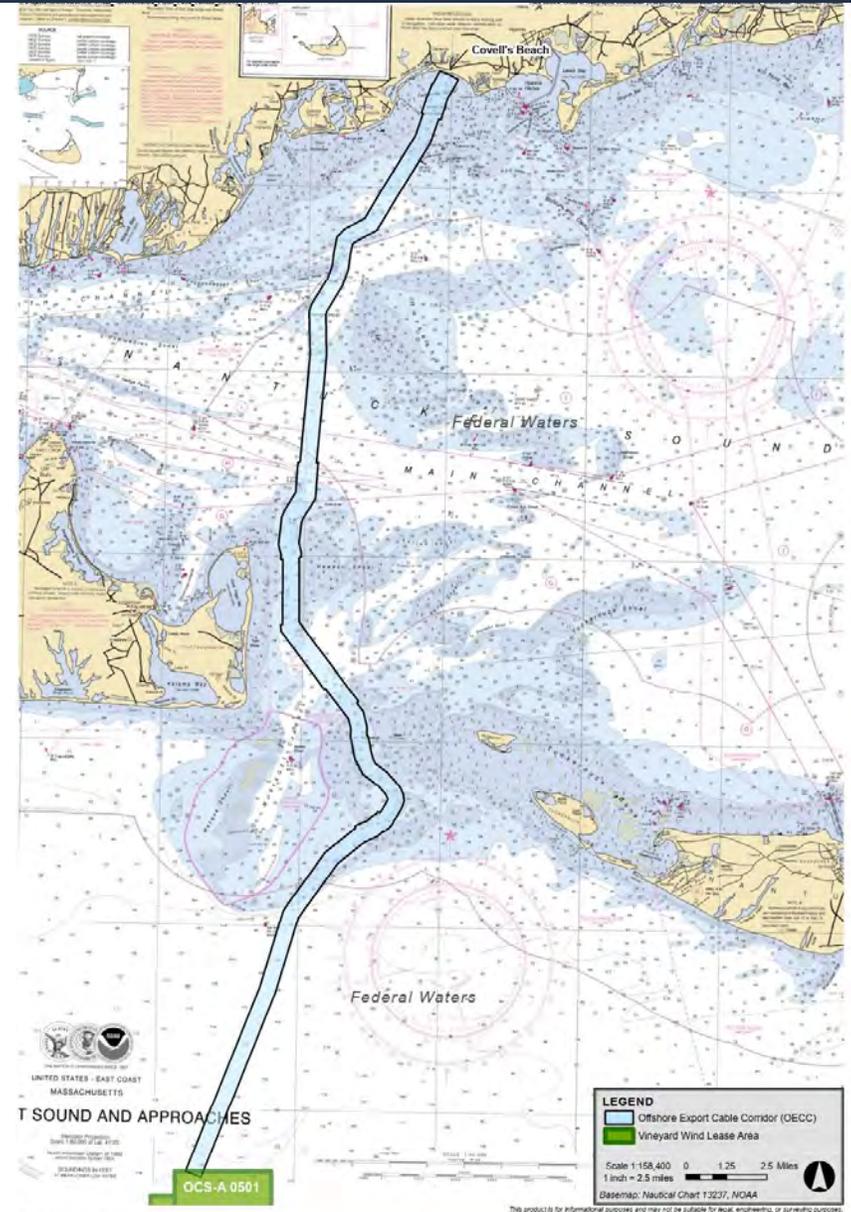
**Kyle Cassidy**

Marine Scientist  
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# MA Fisheries Working Group October 14, 2022



- Cable installation in Nantucket Sound scheduled to begin November 2022
- Offshore construction scheduled for 2023
- Mariner Updates issued through usual channels
- Sign up for email updates on our website: <https://www.vineyardwind.com/fisheries/#sign-up>
- Or text vwfisheries to 844-621-2170 to sign up for text message updates







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