

VINEYARD WIND I

Overview

• Capacity: 800 MW

Turbine Model: 13 MW GE Haliade-X

Federal Permitting

Due Diligence: Haliade-X

 January 2021, results of review determined no changes needed to COP

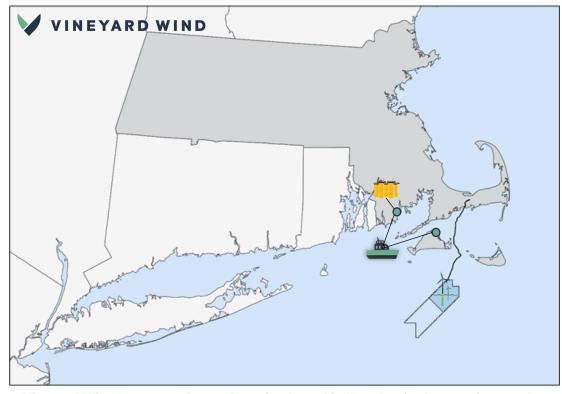
• FEIS released - March 12, 2021

Record of Decision

State Permitting: Completed

Point of Interconnection: Barnstable Substation

 Power Purchase Agreements: 20-year PPAs with Massachusetts utilities (approved)



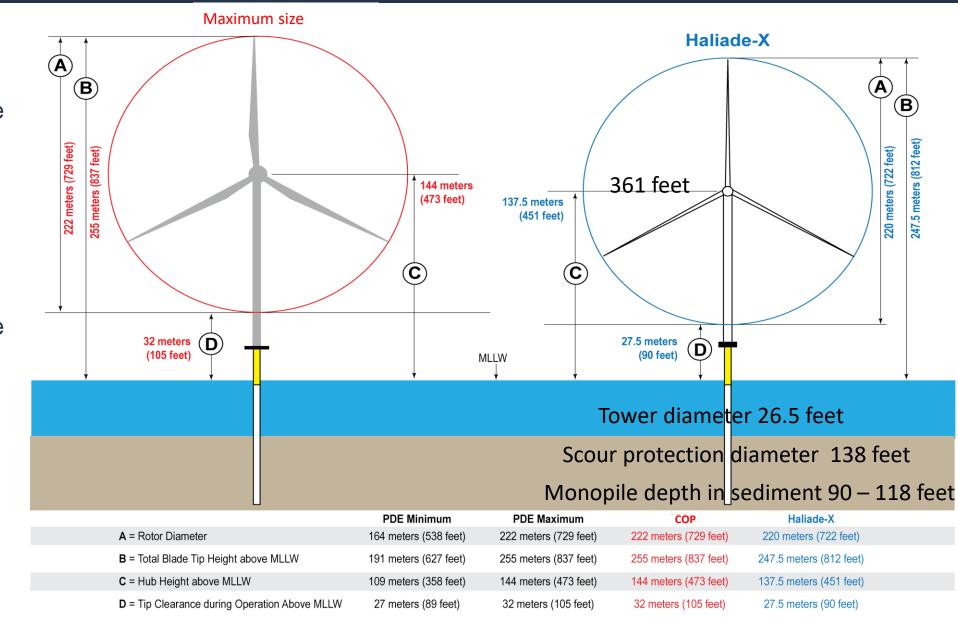
Vineyard Wind I construction and staging based in New Bedford, operations and maintenance based on Martha's Vineyard



PROJECT ENVELOPE

Construction & Operation
 Plan (COP) includes a size
 range

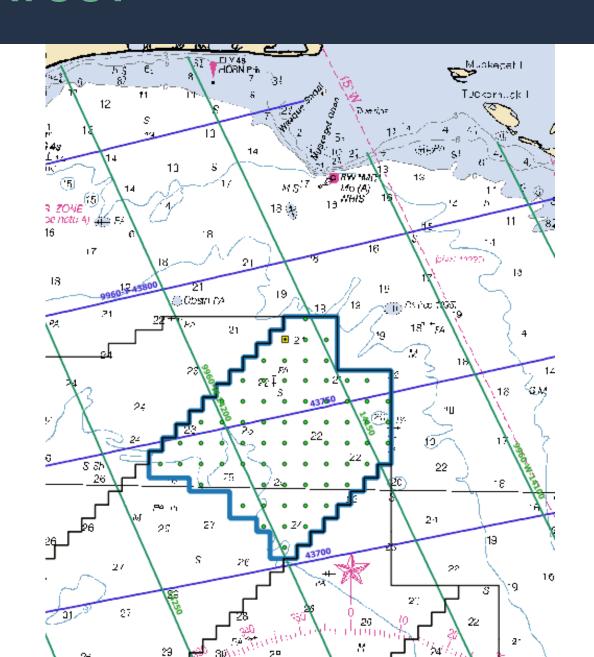
Compare Haliade-X to maximum size range in the COP





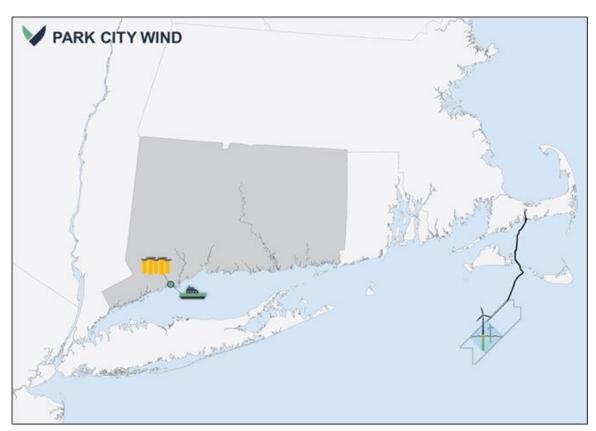
TURBINE LAYOUT

- 1 x 1 nautical mile
- 62 turbines
- Reduced footprint
- Locations on northern corners eliminated





PARK CITY WIND



Park City Wind includes a commitment to base construction and operations activities primarily out of Bridgeport, Connecticut

Overview

Capacity: 804 MW

• Lease Area: OCS-A 0501

 Federal Permitting: Construction & Operation Plan (COP) commenced in 2020

• State Permitting (MA): Commenced in 2020

 Point of Interconnection: West Barnstable Substation (MA)

 Power Purchase Agreements: 20-year PPAs with Connecticut utilities (approved)



FISHERIES SURVEYS







Fisheries Surveys Completed - Data available at: https://www.vineyardwind.com/fisheries

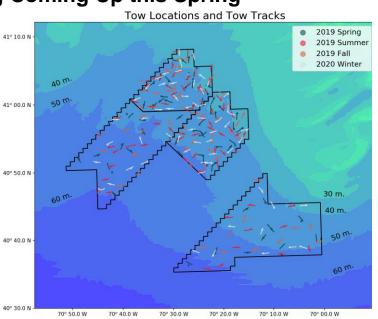
- Two years of pre-construction surveys in both lease areas 2019, 2020; led by UMass Dartmouth's School for Marines Science and Technology (SMAST)
 - Trawl surveys (4 times per year)
 - Drop camera surveys (2 times per year)
 - Lobster, plankton, black sea bass surveys (June October) 501N only
- Highly Migratory Species study in partnership with New England Aquarium Anderson Cabot Center for Ocean Life completed

Fisheries Survey Plan Review - Ongoing - Public Virtual Meeting Coming Up this Spring

- 2 Fishermen reviewers for each survey
 - Fishermen who fish in the lease area
 - Participated in planning workshops SMAST hosted 2 years ago
- 3 Academic reviewers
 - Experts in fisheries science
 - Stock assessment, benthic habitat, trawl survey design

Fisheries Survey Plan for 2021 – Continuing for third year

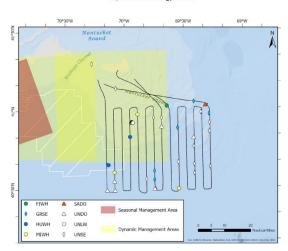




AERIAL SURVEYS / REGIONAL SCIENCE / DATA SHARING



New England Aquarium Aerial Survey: March 21, 2021
RI/MA Wind Energy Areas



On Sunday, March 21th, the New England Aquarium (NEAq) flew a directed survey over the southern Nantucket Shoals. Conditions were excellent; Beaufort sea state ranged from 1-2.

No right whales were sighted during this flight. Other marine mammals sighted included one fin whale, three humpback whales, three minke whales, 40 common dolphins (SADO), 12 unidentified dolphins, six grey seals and 66 unidentified seals.

VINEYARD WIND

Aerial Digital Surveys

- Aerial digital surveys ongoing in 522; led by APEM and Biodiversity Research Institute
 - Additional survey over a nearshore avian "hotspot" to continue to improve species identification from aerial digital surveys
- Surveys conducted monthly two surveys per month during migration periods (April/May) (August/September)

Regional Science

- Participating in Responsible Offshore Science Alliance
- Collaborating with NEAq, MassCEC, and other developers to continue aerial marine mammal and sea turtle surveys across the WEA
- Participating in State of the Science Working Groups
- Participating in ICES (International Council for the Exploration of the Seas)
 Working Group on Offshore Wind Development and Fisheries

Data Sharing

- BOEM Avian Distribution Modeling
- NMFS / NEAq Protected Species Observer (PSO) Project
- BOEM Hydrodynamic Modeling and Particle Tracking
- NYSERDA Ecosystems Dynamics Project

COMMUNICATION



OFFSHORE WIND MARINER UPDATE NO. 29

GEOTECHNICAL & ENVIRONMENTAL SURVEYS

The Survey Vessel DANIELLE MILLER will be performing geotechnical and environmental surveys in the southern half of Vineyard Wind Lease Area (OCS-A 0501), along a small corridor of the northern portion of Vineyard Wind Lease Area (OCS-A 0501), and along the Offshore Export Cable Corridor up to Muskeget Channel and into Nantucket Sound beginning on or about July 30, 2020.

DATE(S)

Estimated completion: Late-November

LOCATION(S)

All of the southern portion of Vineyard Wind Lease Area 0501 and following the Offshore Export Cable Corridor leading up through Nantucket Sound



Vessel: DANIELLE MILLER

LOA: 145 feet Flag: US

Email:

daniellemiller@millermarineservices.com

+1 516 945 7077 **Sat phone:** +1 505 295 2012 Onboard Fisheries Liaison: Clint Baker, 401-588-1068

Standing by on VHF Channels 13 & 16

For the latest information, please contact our Fisheries Liaisons Crista Bank, Cell: 508-525-0421 • Email: cbank@vineyardwind.com Caela Howard, Cell: 508-386-9832 • Email: choward@vineyardwind.com

Sign up for EMAIL Updates OR **TEXT ALERTS**

www.vineyardwind.com/fisheries

FREE COVID-19 **Testing**



Pier 3, New Bedford | April

The Southcoast Health Wellness Van is offering free COVID-19 testing on Pier 3 in New Bedford.

Essential workers in the fishing industry and all family members are welcome.

Dates Times:

. 8:30 am to 11:30 am . 8:30 am to 11:30 am April 15 8:30 am to 11:30 am Generously sponsored by Vineyard Wind





Southcoast Health



All Wellness Van services are subject

to anticipated weather conditions.

cbank@vineyardwind.com with any

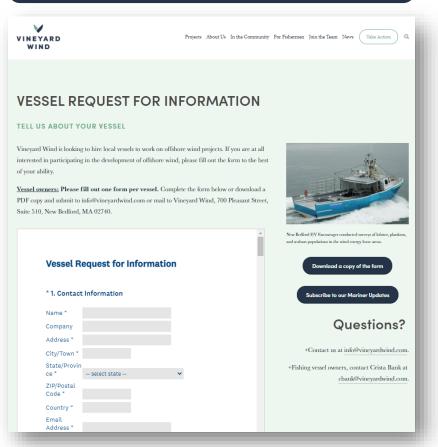
Please contact Crista Bank at

Please remember to wear a mask and remain 6 feet apart when in line outside the Southcoast Health Wellness Van.

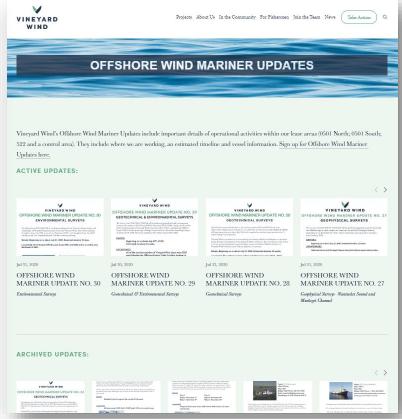


WEBSITE RESOURCES FOR FISHERMEN

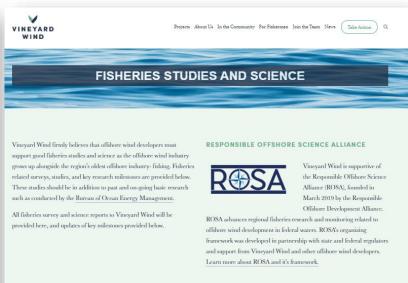
www.vineyardwind.com/vesselrfi



<u>vineyardwind.com/offshore-wind-mariner-updates</u>



vineyardwind.com/fisheries-science



ONGOING SURVEYS







Bottom Trawl Survey



Drop Camera Survey

