Overview

- **Capacity:** 800 MW
- **Wind turbine Model:** 13 MW GE Haliade-X
- **Wind turbine layout:** 62 wind turbines with 1x1 nautical mile spacing in an E/W grid
- **Federal Permitting**
  - Final Environmental Impact Statement (FEIS): Released - March 12, 2021
  - Pending Record of Decision (i.e., ROD)
- **State and Local Permitting (MA):** Completed
- **Point of Interconnection:** Barnstable Substation on Cape Cod (MA)
- **Power Purchase Agreements:** 20-year PPAs with Massachusetts utilities (approved)
PARK CITY WIND

Overview

- **Capacity**: 804 MW
- **Lease Area**: OCS-A 0501
- **Federal Permitting**: BOEM’s review of the 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)

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

- A monitoring study of eelgrass beds around Cape Poge
  - Northeastern coast off Chappaquiddick Island, Martha's Vineyard (see image 1)
  - Historical eelgrass beds documented by MassDEP (see image 2)

Schedule

- **Pre-construction**: Map the extent of the eelgrass beds prior to construction – Summer 2021
- **Post-construction**: Survey the same sites to monitor and measure if any changes occur to the beds post construction (Year 1 and Year 3)

Potential opportunity for local fishing vessel(s) to participate in survey
BENTHIC HABITAT MONITORING SURVEY

Survey Objective
- A study of benthic habitats in and around seafloor areas that may be impacted by construction activities within the northern portion of Lease Area OCS-A 0501 and the offshore export cable corridor.

Survey Design
- Geological and biological sampling began in the Vineyard Wind 1 project area in 2016
- Benthic grab sampling along transects
- Video Survey along transects
- Sand lance monitoring sites
- Multibeam depth sounding coverage along entire cable corridor

Schedule
- Pre-construction: Summer 2021
- Post-construction: Year 1, Year 3, Year 5 (based on recovery)

Potential opportunity for local fishing vessel(s) to participate in survey
Survey Objectives
- Monitor the impact of offshore wind projects on fisheries
- Establish baseline pre-construction
- Document impacts post-construction

Survey Design
- Before and After Control Impact (i.e., BACI) Design
- **Trawl Survey**: 4x year – 501 and 522
  - Finfish species
  - Follows NEAMAP protocols
- **Drop Camera Survey**: 2x year – 501 and 522
  - Macro invertebrates
  - Follows scallop survey protocols
- **Ventless Trap Survey**: May/June – October - 501N
  - Lobster, Jonah Crab, Black Sea Bass
  - Follows Atlantic State Marine Fisheries Commission and MA/RI state survey protocols
- **Plankton Survey**: May/June – October
  - Done in conjunction with Ventless trap survey
  - Neuston net – lobster larvae and ichthyoplankton

Local Fishing Vessel Participation
- 9 fishing vessels have participated over the past 2 years
Study Objective

- Collect baseline data on the timing, nature, and extent of recreational fishing effort in Southern New England

Study Design

- Mine and analyze both direct (Large Pelagics Survey) and indirect (conventional tagging) data on recreational fishing effort for HMS over recent decades
- Survey of recreational fishermen from private and charter boat sectors to characterize their fishing effort for HMS over past 5 years

Figure 7 – The cumulative number of days (number inside each circle) the 170 survey respondents holding federal angling or charter/headboat highly migratory species (HMS) permits testified to fishing in each named area in a typical year. The Wind Energy Area (WEA) is outlined in gray. Note that circles for “spot INSIDE WEA” and “spot OUTSIDE WEA” are placed in random locations on the map and represent those broad categories of the survey.
Fisheries Surveys Completed – 2019/2020

Data available: https://www.vineyardwind.com/fisheries

- Two years of pre-construction surveys
- Highly Migratory Species study completed

Fisheries Survey Plan Review – Ongoing

Public Virtual Meeting – June 2021

- 2 fishermen reviewers for each survey (8 total)
  - Fishermen who fish in the lease area
  - Participated in planning workshops (2018)
- 3 academic reviewers
  - Experts in fisheries science
  - Stock assessment, benthic habitat, trawl survey design

Fisheries Survey Plan Going Forward

An additional (3rd year) pre-construction, 1 year during construction, and three years post construction.

HMS tagging/acoustic array design discussions ongoing
Aerial Surveys
• Collaborating with NEAq, MassCEC, and other developers on aerial marine mammal and sea turtle surveys across the wind energy area

Marine Mammal Commission Project
• Collaborating with NMFS and NEAq to evaluate the use of protected species observer (PSO) data to address cetacean management and conservation

Geophysical and Geotechnical Survey Vessels
• PSOs
• Night time technology
• Passive Acoustic Monitoring (PAM) low visibility and at night

Construction and Operation
• Permanent and mobile passive acoustic monitoring systems
Onboard Fishery Liaisons (OFL)
- Fishermen onboard geophysical and geotechnical survey vessels to help communicate with fishing vessels in area
- Help survey vessel locate and navigate around gear
- Documentation of gear/vessels in area
- Survey season 2020 – 10 fishermen on 6 vessels

Scout Vessels
- Opportunity to use fishermen/fishing vessels
- Work ahead of survey vessel locating fixed gear
- Help communicate with fishermen working in area of survey vessel’s plans
- 2021 survey season will utilize scout vessels

Vessel: **EGS VENTUS**
- LOA: 164 feet
- Flag: Marshall Islands
- Email: captainventus@egssurvey.co.uk
- Phone: 1-646-740-0123
- Onboard Fisheries Liaison:
  - Lynn Gurchik 774-634-6337
- Standing by on VHF Channels 13 & 16
- Estimated completion: Mid-January
**VESSEL REQUEST FOR INFORMATION**

**TELL US ABOUT YOUR VESSEL**

Vineyard Wind is looking to hire local vessels to work on offshore wind projects. If you are at all interested in participating in the development of offshore wind, please fill out the form to the best of your ability.

**Vessel owners:** Please fill out one form per vessel. Complete the form below or download a PDF copy and submit to info@vineyardwind.com or mail to Vineyard Wind, 700 Pleasant Street, Suite 510, New Bedford, MA 02740.

**Vessel Request for Information**

*1. Contact Information*

**Name:**

**Company:**

**Address:**

**City/Town:**

**State/Province:**

**Zip/Postal Code:**

**Country:**

**Email:**

**Address:**

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**Questions?**

+Contact us at info@vineyardwind.com.

+Fishing vessel owners, contact Chris Bank at cbank@vineyardwind.com.

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**Local Vessel Request for Information**

**CONTACT INFORMATION**

<table>
<thead>
<tr>
<th>Name:</th>
<th>Phone Number:</th>
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**Months of Availability (Circle all that apply):**

- Jan
- Feb
- Mar
- Apr
- May
- Jun
- Jul
- Aug
- Sept
- Oct
- Nov
- Dec

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**VESSEL INFORMATION**

**Vessel Name:**

**Length of Vessel:** __________ ft

**Vessel Type (circle one):** Trawler/Dragger, Scalloper, Longline, Dredge, Pot/Trap, Gillnet, Charter Fishing, For-Hire Fishing, Workboat

**Year Built:**

**Beam:** __________ ft

**Draft:** __________ ft

**Engine Make:**

**Horsepower:** __________ hp

**Average Steaming Speed:** __________ kts

**Engine Model:**

**Number of Propeller Shafts (circle one):** 1, 2, 3, 4, Jet Drive

**Is Vessel equipped with a winch?** Y/N

**Generator Capacity (kW):**

**Normal Crew Size:**

**Rated Passenger Capacity (If Rated):**

**Additional Bunk Space (in addition to crews’ quarters):** Y/N

**If “yes”, please specify how many bunks:**

**Lifting Capacity (Deadweight Tons):**

**Towing Capacity (Deadweight Tons):**

**Equipment on the Bridge (Circle all that apply):** Radar, GPS, AIS, Chart Plotter, Compass, Satellite Phone, Marine Radio (Fixed), Marine Radio (Handheld)

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**SAFETY EQUIPMENT ON BOARD**

- [ ] PFDs (1-6)
- [ ] PFDs (6+)
- [ ] Life Raft (1-4)
- [ ] Life Raft (4+)
- [ ] Search & Rescue Transponder (SART)
- [ ] Emergency Position Indication Radio Beacon (EPIRB)
- [ ] Immersion Suits
- [ ] Flares

**CAPTAIN / CREW INFORMATION**

1. Is Captain licensed by USCG?
   - Yes
   - No

2. Is Captain Standards of Training, Certification and Watchkeeping (STCW) Certified?
   - Yes
   - No

3. Has Captain/crew undergone cold water safety training?
   - Yes
   - No

4. Would Captain/crew be willing to participate in a random drug screening program?
   - Yes
   - No

5. Is at least one crewmember CPR certified?
   - Yes
   - No

6. Does Vessel have a Formal Safety Management System?
   - Yes
   - No

7. Are all proper pollution disposal standards visibly posted?
   - Yes
   - No

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Please go to [https://www.vineyardwind.com/vesralt](https://www.vineyardwind.com/vesralt) to submit the survey electronically. If you would like to submit a hard copy of this survey please send to info@vineyardwind.com; or mail to Vineyard Wind, 700 Pleasant St, Suite 510, New Bedford, MA 02740.