Vineyard Wind lease area selected through multiyear stakeholder process

2010 - On-going: Stakeholder Task Force
  • Joint RI/MA meetings
  • Multiple stakeholder meetings
  • Habitat and fisheries working groups

2012 – On-going: BOEM/MA funded environmental surveys

2015: Auction and Lease issuance

2017: Vineyard Wind first developer to submit COP

Throughout this period Vineyard Wind consulted with RI and MA fishermen
Outreach and engagement with RI Fisheries

- **First meeting with RI fishermen in 2011**
  - Vineyard Wind engaged the first Fishermen Representative in US in 2010

- **Over 40 meetings with RI fishermen / fishing organizations**

- **Vineyard Wind has presented at three FAB meetings**
  - July 24, 2017
  - February 19, 2018 (participated/available)
  - April 11, 2018
  - July 26, 2018
  - Also meetings with individual FAB members

- **DEM Study: Livermore, 2017**
  - Worked closely with PI when report first released
  - First offshore wind project to cite study in permit application (our COP)
Fisheries data: Vineyard Wind Lease Area

Fisheries data: Vineyard Wind Lease Area

Bottom trawl > 65 ft 2011-2015

Bottom trawl < 65 ft 2011-2015

Pots and Traps 2011-2015

Gill net 2011-2015

Data source: MARCO – Mid-Atlantic Regional Council on the Ocean, VTR data
Fisheries data: Vineyard Wind Lease Area

Fisheries data: Vineyard Wind Lease Area

Fishery data: Vineyard Wind Lease Area

On-going Rhode Island fishery data collection

Working with Rhode Island DEM:
• Plot squid VMS data by season and management trimesters
• Separate squid fishing density maps from mackerel and butterfish

Working with Rhode Island Fishermen:
• Collect individual vessel track data through WindPlot
• Collect EVTR and study fleet data to better represent fishing activity in the lease areas

Working with NOAA:
• Obtain more specific lobster, squid, and whiting data from within lease area through VTR
• Separate VMS data to look for vessels just transiting (>4 knots) in transit area
We have learned a lot about RI fishing industry

- Most important species by dollar value is squid
- Variable year-to-year landings in dollars and pounds
  - Consistent fishery, increase in revenue since 2012
- Jonah Crab landings and revenue are increasing and becoming more valuable
  - Consistent with other fishing ports
  - Suggests change in habitat or other factors

Data Source: NOAA Annual Commercial Landing Statistics
Fishing in Vineyard Wind lease area

Annual Landings from Vineyard Wind Lease Area

Data source: RI DEM, Livermore 2017: Table 11
Why is our current lay-out designed as is?

2016 AIS DATA of Fishing Vessels (< 65 feet under represented)
Vineyard Wind’s proposed lay-out intended to accommodate both fishing in area and transit by fishermen
Vineyard Wind is proposing the lowest density project in the world in order to accommodate fishing\(^1\)

Figure 4:
Nominal capacity densities of European offshore wind farms

\(^1\): Based on comparison to projects analyzed “Capacity Densities of European Offshore Wind Farms”, Deutsche WindGuard, 2018
Consultation with RI Fishermen

• Vineyard Wind is in conversations with RI Fishermen, CRMC, BOEM, USCG, MA CZM, and others

• Continue to collect available data
  • In particular, raw WindPlot data, Study Fleet, and EVTR data
  • Developing list of all RI fishermen who fish in lease area

• Vineyard Wind wants to accommodate E-W request as much as possible within constraints:
  • Selected by Massachusetts to deliver 800MW of offshore wind at a set price and by a set date (2022)
  • Permit review process requires long-lead decisions and little-to-no flexibility once underway
  • Many competing interests, including among fishermen
  • The currently proposed lay-out continues to stand up as a good one when integrating all concerns / data

• Options being considered:
  • Use “spare” turbine locations to better accommodate E-W layout
  • Possibly move a limited number of turbine locations