



NYSERDA

**Department of
Environmental
Conservation**

Supply Chain & Vessels for Hire

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Supply Chain and Vessels for Hire

- Offshore wind development can present financial opportunities for vessels, Captains and crews and/or help build understanding and transparency

Opportunities

- Vessels and Crews
 - Environmental data
 - Fisheries Assessments
 - PSO/PAM monitoring support
- Experienced Mariners
 - PSOs
 - Construction Crews
 - O&M Teams

Supply Chain and Vessels for Hire

- Possible Challenges
 - HSE requirements?
 - Continuing education requirements?
 - EPA vessel requirements (emissions)?
 - Concerns with fishing permits about vessel days at sea?
 - Personal ramifications of being on an OSW Vender List?



Existing Models

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- UK
 - Offshore wind since early 2000s, established practices for contracting fishing vessels
 - [National Federation of Fishermen's Organizations \(NFFO\)](#)
 - Established 1977, member-based
 - [NFFO Services Limited](#) established in 1984
 - Commercial division designed to provide income to the fishing industry through guard-ship and liaison work
 - Smaller ports sometimes use clauses in licensing agreements and Fisheries Liaison Plans
 - Supply chain events held by UK developers

Existing Models

- US
 - Informal models through existing projects- fisheries surveys, etc.
 - Existing recommendations to use fishing vessels to support offshore wind monitoring. For example:
 - NYSERDA Procurement Fisheries Mitigation Plan
 - UMass Dartmouth SMAST's Fisheries' Monitoring Studies guidelines
 - NOAA Fisheries Cooperative Research Program
- **At the current time however, there is not an established mechanism for fishing vessels and/or fishermen to express their interest in being involved in broader contract work related to offshore wind.**

Examples of Vessel Needs

- Survey vessels
 - Pre-, during, & post-construction
 - Regional to project-specific
 - Typically geological/geophysical (G&G), ecological, climatological
 - Marine traffic or marine debris
 - Skilled mariners/communicators onboard specialized boats
- Crew transfer vessels
 - Typically operations and maintenance phases
 - Faster speed vessels
- Guard ships
 - Monitor area to protect surface or sub-sea components
 - Make other vessels in the area aware of the hazards
- Chase boats
 - Intercept vessels approaching sensitive operations such as construction activities



Considerations

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- Privacy and list management
 - What mechanism would be used to fishermen to express interest- online registration form, agency or organization point of contact to email, etc.?
 - Who would maintain the list- state, fishing organization, etc.?
 - What, if any, information from the list would be made public?
- List eligibility
 - Qualifications to be included on the list?
 - Who can register- vessel owners, captains, and/or individual crew?
- Minimum vessel requirements
 - Vessel specifications- likely vary on specific need
 - Navigation and safety equipment
 - USCG, EPA , and other regulatory requirements
- Strategies to ensure fair use of vessels
 - Engagement with fishery representatives
 - Rotating lists
- NMFS considerations- DOF code & days at sea



Discussion/ Next Steps

Questions