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Oceana comments on Southcoast wind IHA

1 message

Brogan, Gilbert <GBrogan@oceana.org> |
To: "TP.Potlock@noaa.gov" <TP.Potlock@noaa.gov>

Friday, April 7, 2023 4:34 PM

Please accept the attached comment letter related to the I/Oceanic Fisheries Service's incident IHA assessment authorization for Southcoast Wind Energy, LLC's I/Oceanic Site Characterization Surveys Off Massachusetts and Rhode Island.

Thank you for considering these comments.

Gib Brogan

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 **Oceana SouthCoast Wind IHA Comments 4-7-2023.pdf** | 1129K

April 7, 2023

Submitted via electronic mail to ITP.Potlock@noaa.gov

Jolie Harrison, Chief, Permits and Conservation Division
Office of Protected Resources
National Marine Fisheries Service

Re: Takes of Marine Mammals Incidental to Specified Activities; Taking Marine Mammals Incidental to SouthCoast Wind Energy, LLC's Marine Site Characterization Surveys Off Massachusetts and Rhode Island (88 FR 14335, March 8, 2023)

Dear Jolie Harrison:

Oceana is the largest international conservation organization solely focused on protecting the world's oceans, with more than 1.2 million members and supporters in the United States, including over 340,000 members and supporters on the U.S. Atlantic seaboard. For nearly twenty years, Oceana has campaigned to win strategic, directed campaigns that achieve measurable outcomes to help make our oceans more biodiverse and abundant.

Addressing climate change is important for oceans, wildlife, and our future. By shifting from fossil fuel energy to clean, renewable energy sources, the United States can help address this crisis.

Oceana was pleased to see the Biden Administration's goal to deploy 30 GW of offshore wind power by 2030 while protecting biodiversity and cultural resources, including imperiled marine life such as the critically endangered North Atlantic right whale (NARW).

Oceana has engaged as a stakeholder in the management of U.S. fisheries and interactions with endangered species, with a particular interest in effective bycatch minimization and reduction, if not elimination, of fishing gear entanglement-related death, injury, and harm to protected species, including the NARW. In addition, Oceana is interested in seeing the reduction, if not elimination, of vessel strike-related death, injury, and harm to NARWs. For these reasons, in 2019, Oceana launched a binational campaign in the United States and Canada to urge the respective governments to effectively enforce environmental laws to protect this critically endangered species and Oceana is currently campaigning to protect these whales from their two biggest threats—entanglement in fishing gear and vessel strikes.

For over 15 years, Oceana has been campaigning to oppose expanded offshore oil and gas exploration and development. Offshore drilling causes dangerous oil spills and perpetuates energy development based on fossil fuels. The United States must shift from fossil fuel-based energy sources to clean energy. Offshore wind development has the potential to help bridge the transition to our clean energy future.

Oceana is supportive of offshore wind energy if it is responsibly sited, built, and operated throughout its lifespan. The proposals for offshore wind development in areas that the critically endangered NARW may frequent need to consider, avoid, and mitigate effects to protected species, particularly the NARW, to ensure that wind development will not come at the expense of the species. NARWs spend much of the year in the waters of New England and Eastern Canada with mothers migrating south to have calves in the U.S. Southeast region. Wind development in persistent aggregation habitats and calving grounds pose particular concern but those areas where NARWs migrate are likely more appropriate because of the reduced frequency, intensity, and duration of interactions with these areas. As offshore wind is developed along the eastern seaboard, strong measures are needed to protect this critically endangered species.

Oceana thanks you for the opportunity to submit comments as your agency considers an application for an Incidental Harassment Authorization (IHA) to support the site characterization of offshore wind projects in New England. To comply with the Marine Mammal Protection Act (MMPA), the Fisheries Service must continue to provide a full 30-day comment period for future renewal notices to ensure adequate public engagement.

This comment letter includes the following key points:

- The IHA must include use of best available science, cumulative impacts analysis, and project conditions that avoid, minimize, and mitigate adverse environmental impacts.
- The IHA must include a vessel traffic plan to minimize the effects of service vessels on marine wildlife.
- The IHA must include requirements to use effective reactive restrictions that are triggered by detection of protected species before or during site characterization activities.

Oceana submits these comments to help ensure that the proposed activities avoid adverse effects on marine mammals. If adverse effects cannot be avoided, then they should be minimized or mitigated. The Fisheries Service is the steward of the remaining NARWs that swim along our coasts and, as the agency responsible for their recovery, should ensure that the authorization of site characterization is based on the best scientific information available and that strong protections are in place before approving this or any proposed activity that may take, harass, or cause stress to NARWs.

1) The role of Incidental Harassment Authorizations

The MMPA was adopted fifty years ago with the goal of protecting and promoting the growth of marine mammal populations “to the greatest extent feasible commensurate with sound policies of resource management” in order to “maintain the health and stability of the marine ecosystem.”¹ To protect marine mammals from human activities, the MMPA prohibits the “take” of marine mammals including activities that harass, hunt, capture, or kill, or any attempt to harass, hunt, capture, or kill any marine mammal.² In limited circumstances, the Fisheries Service, the agency responsible for protecting most marine mammal species,³ may grant exceptions to the take prohibition, such as for the incidental, but not intentional, taking of marine mammals for certain activities, which is done via incidental take authorizations.⁴

The Fisheries Service can only grant an incidental take authorization if the take request is for “small numbers of marine mammals of a species or stock” and will have only “negligible impact.”⁵ It is important to note that when granting an incidental take authorization, the Fisheries Service must require mitigation measures that achieve “the least practicable impact on such [marine mammal] species or stock and its habitat.”⁶

Under the Fisheries Service’s regulations, there are two types of incidental take authorizations: IHAs and Letters of Authorization (LOA). LOAs can only be issued after the Fisheries Service promulgates incidental take regulations for the activity. An IHA is limited to one year, and the action authorized may only have the potential to result in harassment.⁷ For actions that could result in any “serious injury”⁸ or mortality of a marine mammal, the Fisheries Service’s regulations indicate that incidental take regulations must be promulgated after notice and the opportunity to comment.⁹ LOAs can be issued pursuant to incidental take regulations for up to five years.¹⁰

2) Comments on the Contents of an IHA for Site Characterization

In order to issue an IHA for site characterization or any offshore wind project, the Fisheries Service must ensure that the application meets the requirements for an IHA and that the IHA

¹ 16 U.S.C. § 1361(6).

² 16 U.S.C. §§ 1361(2), 1371.

³ The Fish and Wildlife Service, within the Department of the Interior, is responsible for dugongs, manatees, polar bears, sea otters and walruses. See U.S. Fish and Wildlife Service, *Marine Mammals*, <https://www.fws.gov/international/animals/marine-mammals.html> (last visited May 3, 2021).

⁴ 16 U.S.C. § 1371(a); *Incidental Take Authorizations under the Marine Mammal Protection Act*, NOAA FISHERIES <https://www.fisheries.noaa.gov/permit/incidental-take-authorizations-under-marine-mammal-protection-act> (last visited May 3, 2021) (listing renewable energy activities as activities for which incidental take authorizations have been issued).

⁵ 16 U.S.C. § 1371(a)(5)(A), (D).

⁶ 16 U.S.C. § 1371(a)(5)(D)(ii)(I) (for IHAs); 16 U.S.C. § 1371(a)(5)(A)(i)(II)(a) (for LOAs).

⁷ 16 U.S.C. § 1371(a)(5)(D)(ii)(I).

⁸ The Fisheries Service defines the term “serious injury” as “any injury that will likely result in mortality. 50 C.F.R. § 216.3.

⁹ 50 C.F.R. § 216.105(b).

¹⁰ 50 C.F.R. § 216.106(a).

includes conditions that will guarantee the site characterization surveys have the least practicable impact on marine mammal species or stocks and their habitats in and around the project site. Oceana hopes the comments provided on these important elements will make the site characterization successful while also considering the adverse effects on marine mammals.

a) Use Best Available Science

The MMPA was the first congressional act to include a “best available science” mandate.¹¹ The statute requires use of “best scientific evidence available” in determining any waiver of the moratorium on the taking and importation of marine mammals and marine mammal products.¹² Additionally, MMPA implementing regulations require the agency to use the “best scientific information available.”¹³ The Fisheries Service must therefore comply with the “best available science” mandate in analyzing whether or not to authorize incidental takes.

The NARW is a critically endangered species that has experienced a large decline in the last decade. The most recent population estimate is just an estimated 340 remaining whales.¹⁴ This 2021 population estimate is a 2.3% decrease from the previous year’s estimate. As NOAA considers the IHA renewal application, it must use the most recent population estimate.

NARWs are known to feed, socialize and breed in the U.S. northeast and eastern Canada before mothers migrate south to calve and then return to the Northeast. As the Federal Register notes, SouthCoast Wind’s project would occur approximately 50 miles west of the feeding Biologically Important Area (BIA)s NARWs from February-April. However, in the last decade the seasonal habitat usage of NARWs has shifted to include new waters and different seasonality. A study examining NARWs in southern New England waters from 2011-2019 found that they were found in southern New England waters in all seasons, with up to a quarter of the population in this area at any given time between December and May.¹⁵ The IHA application and analysis must be sure to use the most recent and best available science for this critically endangered species, including recent habitat usage patterns for the study area and up to date seasonality information. The Fisheries Service should fully consider both the use of the area and the effects of chronic stressors on the health and fitness of NARWs.

¹¹ 16 U.S.C. §§ 1361 et seq. (mandating the use of “best scientific evidence” as well as the “best scientific information available” in several provisions, including the moratorium provision at 16 U.S.C. § 1371).

¹² 16 U.S.C. § 1371(a)(3)(A).

¹³ 16 U.S.C. § 1371(a)(3)(A); 50 C.F.R. § 216.105(c) (“[R]egulations will be established based on the best available information.”).

¹⁴ New England Aquarium. 2022. North Atlantic right whales’ downward trend continues as updated population numbers released, <https://www.neaq.org/about-us/news-media/press-kit/press-releases/north-atlantic-right-whales-downward-trend-continues-as-updated-population-numbers-released/>

¹⁵ Quintana-Rizzo et al. 2021. Residency, demographics, and movement patterns of North Atlantic right whales *Eubalaena glacialis* in an offshore wind energy development in southern New England, USA. *Endangered Species Research*. Vol. 45: 251–268,

Chronic stressors are an emerging concern for NARW conservation and recovery, and research suggests that a range of stressors on NARWs have stunted growth rates.¹⁶ Disruptive site characterization activities may not only startle NARWs in this area, but also cause chronic stress to the whales. The whales may seek other feeding areas at great energetic cost, decreasing their fitness, body condition and ability to successfully feed, socialize and mate.

The IHA renewal must be sure to use the most recent and best available science for this critically endangered species, including updated population estimates, recent habitat usage patterns for the study area, and a revised discussion of acute and cumulative stress on whales in the region.

b) Fully Consider Cumulative Effects

While an individual activity such as a site characterization may have negligible effects on the marine environment or a negligible number of interactions with protected species, many offshore wind-related activities are being considered in the region. It is important that the Fisheries Service fully consider the discrete effects of each activity and the cumulative effects of the suite of approved, proposed, and potential activities on marine mammals including NARWs and ensure that the cumulative effects are not excessive before issuing or renewing an IHA.

c) Project Conditions

Consistent with the requirement to achieve “the least practicable impact on such species or stock and its habitat,” the IHA must include conditions for the survey activities that will first avoid adverse effects on NARWs in and around the survey site and then minimize and mitigate the effects that cannot be avoided. This should include a full assessment of which activities, technologies and strategies are truly necessary to achieve site characterization to inform development of the offshore wind projects and which are not critical. If, for example, a lower impact technique or technology will provide necessary information about the site without adverse effects, that should be permitted while other tools with more frequent, intense, or long-lasting effects should be prohibited.

3) Vessel traffic associated with Wind Energy Area

Site characterization activities will increase the vessel traffic in and around the project area. The IHA must include a vessel traffic plan to minimize the effects of service vessels on marine wildlife including requirements for all vessels associated with the project, regardless of function, ownership, or operator to meet the following:

a) Observers

¹⁶ Stewart, et al. 2021. Decreasing body lengths in North Atlantic right whales. *Current Biology* 2021, 31, 1-6.

All vessels associated with the proposed site characterization should be required to carry and use protected species observers (PSOs) at all times when under way. Because visual sighting of whales, including NARWs is difficult, particularly in low light conditions, the IHA should require service vessels to complement observer coverage with additional monitoring technologies, such as infrared (IR) detection devices for whales and other protected species. Research suggests that a complementary approach combining human and technological tools is most effective for marine mammal detection.¹⁷

b) Speed

Research suggests that reducing vessel speed can reduce risk of vessel collision mortality by 80-90 percent for large whales like the NARW.²⁴ Due to the risk of ship strikes to NARWs in the project area, the IHA should limit all vessels of all sizes associated with the proposed site characterization to speeds less than 10 knots at all times with no exceptions.¹⁸

c) Separation Distance

Consistent with Fisheries Service regulations under the Endangered Species Act for all vessels and aircrafts, the IHA must include requirements for all vessels to maintain a separation distance of at least 500 meters from NARWs at all times.

d) Vessel Transparency

To support oversight and enforcement of the conditions on the high-resolution geophysical (HRG) survey, the IHA should require all vessels to be equipped with and using a Class A Automatic Identification System (AIS) device at all times while on the water. This should apply to all vessels, regardless of size, associated with the project. Class A AIS is a cost-effective technology used in marine industries around the world. AIS provides information including the vessel's identity, location, course, and speed in a format that is compatible with most data collection, storage, and analysis programs.

e) Applicability and Liability

The IHA must require all vessels associated with the project, at all phases of development, follow the vessel plan and rules regardless of ownership, operator, contract. Exceptions and exemptions will create enforcement uncertainty and incentives to evade regulations through reclassification and redesignation. The Fisheries Service can simplify this by requiring all vessels to abide by the same requirements, regardless of size, ownership, function, contract, or other specifics. The IHA must also specify that developers are explicitly liable for behavior of all employees, contractors, subcontractors, consultants, and associated vessels and machinery.

f) Transparency and Reporting

¹⁷ Smith, et al. 2020. A field comparison of marine mammal detections via visual, acoustic, and infrared (IR) imaging methods offshore Atlantic Canada. Marine Pollution Bulletin. 154 (2020) 111026.

¹⁸ Conn and Silber. 2013. Vessel speed restrictions reduce risk of collision-related mortality for North Atlantic right whales. Ecosphere (4)4. April, 2013. 1-16.

The project will be a private enterprise conducted on shared public waters and as such, the IHA must include a requirement for all phases of the site characterization to subscribe to the highest level of transparency, including frequent reporting to federal agencies, requirements to report all visual and acoustic detections of NARWs and any dead, injured, or entangled marine mammals to the Fisheries Service or the Coast Guard as soon as possible and no later than the end of the PSO shift.

To foster stakeholder relationships and allow public engagement and oversight of the permitting, the IHA should require all reports and data to be accessible on a publicly available website.

4) Shutdown Requirements

Despite the best information informing seasonal restriction on site characterization activities, it is likely interactions with NARWs will occur in and around the project site. The IHA must include requirements to use effective reactive restrictions that are triggered by detection of protected species by visual, acoustic, or other means before or during site characterization activities. Key conditions should include:

- Creation of clearance zones for NARWs that extend at least 1,000 meters with requirements for HRG survey vessels to use PSOs and Passive Acoustic Monitoring (PAM) to establish and monitor these zones with requirements to cease surveys if a NARW enters the clearance zone.
- A shutdown requirement if a NARW or other protected species is detected in the clearance zones noted above, unless necessary for human safety. If this exemption occurs the project must immediately notify the Fisheries Service with reasons and explanation for exemption and a summary of the frequency of these exceptions must be publicly available to ensure that these are the exception rather than the norm for the project.
- When safe to resume, HRG surveys should be required to use a soft start, ramp-up procedure to encourage any nearby marine life to leave the area.

5) Conclusion

Oceana is supportive of the Biden Administration's focus on development of offshore wind in U.S. waters as part of an effective and responsible response to the climate crisis. As the Administration advances offshore wind development projects, there is an opportunity to advance clean energy goals while protecting biodiversity.

Oceana recognizes the necessity of site characterization in the wind development process and urges the Fisheries Service to only issue an IHA for this survey if it includes a thorough discussion of the best available science discussed above and includes the range of conditions

that will ensure the site characterization surveys are conducted responsibly with the least practicable impact on marine mammals.

Oceana looks forward to our ongoing engagement in this project and offshore wind more generally and appreciates the opportunity to provide these comments. These comments have been carefully developed and we consider these to be substantial comments deserving a response from the agency.

We look forward to working with you to advance responsibly developed offshore wind to meet this Administration's ambitious clean energy goals while protecting biodiversity, including the critically endangered North Atlantic right whale.

Thank you,

A handwritten signature in black ink, appearing to read "Gib A Brogan", with a long horizontal flourish extending to the right.

Gib Brogan
Campaign Director
Oceana
Washington, DC