Useful Resources

Recommended Article, Paper or Order	Description	Link
Adam Vann, Cong. Rsch. Serv., R40175, *Offshore Wind Energy Development: Legal Framework (2023).*	An explanation of the legal framework for offshore wind energy in the United States. Summarizes applicable federal laws, how agencies interpret them, and how they interact in the context of offshore wind development.	https://crsreports.congress.gov/product/pdf/R/R40175
Bennun et al., IUCN & The Biodiversity Consultancy, *Industry Guidance for Early Screening of Biodiversity Risk: Offshore Wind* (2021).	Proposes uniform guidance for identifying and avoiding areas of high biodiversity sensitivity based on the IUCN/TBC guidelines for mitigating biodiversity impacts associated with solar and wind energy development.	Industry guidance for early screening of biodiversity risk for offshore wind energy development - resource | IUCN
Boling et al., Ocean Conservancy & Perkins Coie, *From Policy to Power: Federal Actions to Deliver on America's Offshore Wind Potential* (2022).	The report outlines the various policies, regulations, and statutes that apply to offshore wind development in the U.S and outlines recommendations that would improve regulatory certainty to maximize offshore wind development and sustainability.	https://oceanconservancy.org/climate/offshore-wind/offshore-wind-report/ The link is to the main page. Readers can find the full report here: https://oceanconservancy.org/wp-content/uploads/2022/05/Offshore-Wind-Report_20220523.pdf

Ekstrom et al., The Biodiversity Consultancy, *A Cross-Sector Guide for implementing the Mitigation Hierarchy* (2015)	A Cross-Sector Guide for implementing the Mitigation Hierarchy.	A cross-sector guide for implementing the Mitigation Hierarchy (csbi.org.uk)
Cooper et al., *North Sea Net Gain*, Offshore Wind Evidence and Change Programme (2022).	This North Sea Net Gain project generates data beyond national boundaries to improve understanding of the biodiversity of the seabed, to measure the success of various biodiversity strategies, and to support decision making.	2022, The Crown Estate, De Rijke Noordzee, Cefas, Flanders Marine Institute, Offshore Wind Evidence and Change Programme, North Sea Net Gain Project | Marine Data Exchange Select the North Sea Net Gain Report (available as a pdf).
Cousins et al., Bluedot Associates, *A Guiding Framework to Support Organisations to Deliver Net Gains for Marine Biodiversity* (2023).	Article that sets out a guiding framework to help organisations deliver marine net gains.	https://bluedotassociates.com/a-guiding-framework-to-support-organisations-to-deliver-net-gains-for-marine-biodiversity/
Croll et al., *Framework for assessing and mitigating the impacts of offshore wind energy development on marine birds*, 276 Biological Conservation 109795 (2022).	Outlines existing techniques to quantify impact to marine birds from offshore wind via monitoring and modeling (e.g., collision risk models, population viability analysis), and presents a mitigation framework to avoid, minimize, or compensate for impacts.	Framework for assessing and mitigating the impacts of offshore wind energy development on marine birds - ScienceDirect

Dep't for Env't Food & Rural Aff., *Marine Net Gain: Consultation on the Principles of Marine Net Gain* (2022).	The consultation is designed to inform how to introduce a net gain approach in marine projects in the UK. It differentiates between marine net gain and biodiversity net gain.	https://consult.defra.gov.uk/defra-net-gain-consultation-team/consultation-on-the-principles-of-marine-net-gain/supporting_documents/Consultation on the Principles of Marine Net Gain.pdf
Deutz et al., *Financing Nature: Closing the Global Biodiversity Financial Gap* (2020)	Discusses approaches to implementing biodiversity offset programs to achieve net gain outcomes.	Financing Nature: Closing the Global Biodiversity Financing Gap - Paulson Institute
Hall et al., *Environmental Impact Assessment for the Decommissioning of Offshore Wind Farms*, 165 Renewable and Sustainable Energy Revs. 112580 (2022).	Addresses the underwater artificial structures associated with offshore wind farms and end-of-life alternative actions.	https://www.sciencedirect.com/science/article/pii/S1364032122004762?via%3Dihub
Hollandse Kust (west) Wind Farm Zone. Tenders for Wind Farm Sites VI and VII in the Netherlands.	Text of the Ministerial Orders for Wind Farm Sites VI and VII. These include a set of minimum requirements and a set of qualitative criteria. The qualitative criteria are in practice distinctive for ecology (VI) and system integration (VII).	https://offshorewind.rvo.nl/files/view/3b960c83-6a0c-4d19-9164-f10cdb77873f/1625051036hkw_20210630_project%20and%20site%20description-f.pdf Details to be found in Appendix A: https://offshorewind.rvo.nl/files/view/c85ef7b0-6229-4055-964b-9667164e4624/hkw_20220413_psd_appendix-a.pdf

Hooper et al., *Developing Policy and Practice for Marine Net Gain*, 277 J. of Envtl. Mgmt. 111387 (2021).	Explores whether the traditional no net loss approach can contribute to environmental recovery and the biodiversity crises. Discusses effective net gain strategy and recommends a broader perspective of environmental (as opposed to biodiversity-only) net gain, and linking this to the natural capital approach.	Developing policy and practice for marine net gain - ScienceDirect
Klain et al., *Octopus's Garden Under the Blade: Boosting Biodiversity Increases Willingness to Pay for Offshore Wind in the United States*, 69 Energy Research and Social Science 101744 (2020).	Discusses how much U.S. residents are willing to pay above their current utility rates for offshore wind farms that increase marine species abundance and diversity with artificial reefs.	Octopus's garden under the blade: Boosting biodiversity increases willingness to pay for offshore wind in the United States - ScienceDirect
Ocean Policy Committee, *Ocean Climate Action Plan* (2023).	First report from the Ocean Policy Committee. It lays out recommendations for how the United States can meet the climate objectives of the current administration.	https://www.whitehouse.gov/wp-content/uploads/2023/03/Ocean-Climate-Action-Plan_Final.pdf
Stanek et al., *Maryland Public Service Commission Order Granting Offshore Wind Renewable Energy Credits to Skipjack Offshore Energy, LLC and US Wind, Inc.'s Offshore Wind Applications* (2021)	Analyzing the extent to which the Cost-Benefit Analysis submitted under Md. Code Ann., Pub. Util. § 7-704.1(c)(3) demonstrates positive net economic, environmental, and health benefits to the State of Maryland.	Microsoft Word - Order No. 90011 - Case No. 9666 - Consolidated Order.docx (state.md.us)

Trémolet et al., *Biodiversity Net Gain in England: Developing Effective Market Mechanisms. A Discussion Paper. The Nature Conservancy. London, United Kingdom.* (2021)	Discusses developing effective market mechanisms for biodiversity in England; and provides an analytical framework for countries looking to assess what key components they need to make these markets work.	Biodiversity Net Gain, England (nature.org)
WindEurope, *WindEurope position on Non-Price Criteria in Auctions* (2022).	Position paper from the European wind industry on the use of non-price criteria in auctions, including NPI.	20220413-WindEurope-Position-paper-non-price-criteria-in-auctions.pdf
Zupan et al., *Long-Term Succession on Offshore Wind Farms and the Role of Species Interactions*, 15 Diversity 288 (2023).	An 11-year study in Belgium that showed an increase in biofouling communities associated with offshore windfarms and discusses the associated broad effects on the structure and functioning of the marine ecosystem.	Diversity | Free Full-Text | Long-Term Succession on Offshore Wind Farms and the Role of Species Interactions (mdpi.com)