

Some resources related to OSW mentioned on May 9, 2022

Some Federal Agency Papers, Webinars, Reports, etc.

BOEM:

Bureau of Ocean Energy and Management (BOEM). (2022). State Activities, Oregon. U.S. Department of the Interior. Accessed May, 2022. *Website:* <https://www.boem.gov/renewable-energy/state-activities/Oregon>.

Bureau of Ocean Energy and Management (BOEM). (2022). Oregon Offshore Wind Energy Planning. *Data Gathering and Engagement Summary Report*. Published January 2022, prepared by Kearns & West. U.S. Department of the Interior, 91 pp. Accessed May, 2022. *Website:* <https://www.boem.gov/sites/default/files/documents/Data%20Gathering%20and%20Engagement%20Report%20OR%20OSW%20Energy%20Planning%20January%202022.pdf>.

Bureau of Ocean Energy and Management (BOEM). (2020). Environmental Studies: Electromagnetic Fields (EMF) from Offshore Wind Facilities. Published January 2020. U.S. Department of the Interior. Accessed May, 2022. *Website:* <https://www.boem.gov/sites/default/files/documents/renewable-energy/mapping-and-data/Electromagnetic-Fields-Offshore-Wind-Facilities.pdf>.

NREL:

Musial, Walter, Beiter, P., Spitsen, P., Marquis, M., Duffy, P., Cooperman, A., Hammond, R., & Shields, M. (2021). Offshore Wind Market Report: 2021 Edition. National Renewable Energy Laboratory, U.S. Department of Energy, Office of Energy Efficiency and Renewable Energy. Accessed May, 2022. *Website:* https://www.energy.gov/sites/default/files/2021-08/Offshore%20Wind%20Market%20Report%202021%20Edition%20Summary_FINAL.pdf.

National Renewable Energy Laboratory (NREL). (2020). Overview of Floating Offshore Wind. *Webinar:* Walt Musial, February 26, 2020. U.S. Department of Energy. *Website:* <https://www.nrel.gov/news/video/overview-of-floating-offshore-wind-text.html>.

Cox, Sadie, Hotchkiss, E., Bilello, D., Watson, A., Holm, Alison (National Renewable Energy Laboratory) & Leisch, Jennifer (U.S. Agency for International Development). (2017). Bridging Climate Change Resilience and Mitigation in the Electricity Sector Through Renewable Energy and Energy Efficiency. *Emerging Climate Change and Development Topics for Energy Sector Transformation*. November, 2017, 23 pp. *Website:* <https://www.nrel.gov/docs/fy18osti/67040.pdf>.

US DoE

Wind Energies Technologies Office. (2021). Offshore Wind Market Report: 2021 Edition. U.S. Department of Energy. Released August 30, 2021. Accessed May 2022. *Website:* <https://www.energy.gov/eere/wind/articles/offshore-wind-market-report-2021-edition-released>.

NOAA

NOAA Fisheries (2022). Offshore Wind Energy. National Oceanic and Atmospheric Administration, U.S. Department of Commerce. Accessed May, 2022. *Website:* <https://www.fisheries.noaa.gov/topic/offshore-wind-energy>

National Oceanic and Atmospheric Administration & Bureau of Ocean Energy and Management. (2022). Memorandum of Understanding between the National Oceanic and Atmospheric Administration and Bureau of Ocean Energy Management to Responsibly Advance Offshore Wind Energy, 6 pp. Accessed May 2022. *Website:* <https://www.noaa.gov/sites/default/files/2022-01/MOU%20NOAA%20BOEM%20SIGNED%20-%20011222.pdf>

Pacific Fisheries Management Council. 2022. Marine Planning. Accessed May, 2022. *Website:* <https://www.pcouncil.org/marine-planning/>

Mid-Atlantic Fishery Management Council. 2022. Offshore Wind in the Northeast Region. Accessed May, 2022. *Website:* <https://www.mafmc.org/northeast-offshore-wind>.

NOAA Fisheries. 2022. Offshore Wind Energy Development in New England/Mid-Atlantic Waters. *Updated:* February 24, 2022. National Oceanic and Atmospheric Administration, U.S. Department of Commerce. Accessed May, 2022. *Website:* <https://www.fisheries.noaa.gov/new-england-mid-atlantic/science-data/offshore-wind-energy-development-new-england-mid-atlantic-waters>.

NSGO

National Sea Grant Offshore Wind Energy Liaison Initiative: Science and Knowledge for sustainable ocean planning. Accessed May, 2022. *Website:* <https://seagrantoffdev.wpengine.com/>

Rhode Island Sea Grant. (2022). Our Work: Ocean Planning. Accessed May, 2022. *Website:* <https://seagrant.gso.uri.edu/our-work/ocean-planning/>.

Some State Agency Documents, Webinars, Reports, etc.

OR DoE

Oregon Department of Energy. (2022). Floating Offshore Wind Study: Benefits & Challenges for Oregon. Accessed May, 2022. *Website:* <https://www.oregon.gov/energy/energy-oregon/Pages/fosw.aspx>.

DLCD

Oregon Department of Land Conservation and Development (DLCD). (2022). OROWindMap: Supporting the Offshore Wind Planning Process in Oregon. Accessed May, 2022. *Website:* <https://offshorewind.westcoastococeans.org/visualize/#x=-124.50&y=40.50&z=5&logo=true&controls=true&basemap=ocean&tab=data&legends=false&layers=true>

Oregon Renewable Energy Siting Assessment (ORSEA). (2021). Natural Resources, Environment, and Development: Opportunities and Constraints. *Conservation Biology Institute*, 93 pp. *Website*: https://www.oregon.gov/energy/energy-oregon/Documents/2022-NREA-Opps-Constraints-Assessment-Report.pdf?utm_source=CBI+Master+List&utm_campaign=b61b38a60c-EMAIL_CAMPAIGN_2022_04_15_01_12&utm_medium=email&utm_term=0_1548d4a8b9-b61b38a60c-327520245.

OED

Knoder, Erik. (2022). In Cod (And Crab!) We Trust – Oregon’s Seafood Processing Industry. State of Oregon Employment Department. *Published*: April 4, 2022. Accessed May, 2022. *Website*: <https://www.qualityinfo.org/-/in-cod-and-crab-we-trust-oregon-s-seafood-processing-industry/>

Knoder, Erik. (2022). Oregon’s Commercial Fishing in 2021. State of Oregon Employment Department. *Published*: April 19, 2022. Accessed May, 2022. *Website*: <https://www.qualityinfo.org/-/oregon-s-commercial-fishing-in-2021>.

Some Oregon local government – energy related groups

Lincoln County Board of Commissioners. (2022). F.I.N.E Meeting: May 3, 2022. *Website*: <https://www.co.lincoln.or.us/boc/page/fine-meeting>.

Tillamook County Board of Commissioners. (2019). F.A.C.T. *Website*: <https://www.co.tillamook.or.us/sites/default/files/fileattachments/ordinance/24654/19-057.pdf>.

Coos County: Southern Oregon Ocean Resources Coalition. (2015). SOORC is a local nonprofit that can “calm the seas or make waves.” *Website*: https://theworldlink.com/news/local/soorc-is-a-local-nonprofit-that-can-calm-the-seas-or-make-waves/article_40023864-b9f4-5d19-ab4f-a940c6cbd904.html.

Some OSU energy related resources

Pacific Marine Energy Center. (2022). Oregon State University. Accessed May, 2022. *Website*: <https://pmec.oregonstate.edu>.

PacWave. (2022). Testing Wave Energy For The Future. Accessed May, 2022. *Website*: <https://pacwaveenergy.org>.

Hinsdale Wave Research Laboratory. Accessed May, 2022. *Website*: <https://engineering.oregonstate.edu/facilities/wave-lab>

Wallace Energy Systems & Renewables Facility (WESRF). Accessed May, 2022. *Website*: <https://wesrf.engr.oregonstate.edu/>

Oregon Sea Grant. (2022). Oregon State University. Accessed May, 2022. *Website*: <https://seagrant.oregonstate.edu>.

A few related academic papers, webinars, reports, etc. mentioned in the 5/9 talk

Oceanography 2020 Special Issue <https://tos.org/oceanography/issue/volume-33-issue-4>

Bidwell, D., Firestone, J., & Ferguson, M. (2022). New Englanders support more offshore wind power-just don't send it to New York. *The Conversation*. Published April 29, 2022. *Website*: <https://theconversation.com/new-englanders-support-more-offshore-wind-power-just-dont-send-it-to-new-york-181758>

Firestone, Hirt, C., Bidwell, D., Gardner, M., & Dwyer, J. (2020). Faring well in offshore wind power siting? Trust, engagement and process fairness in the United States. *Energy Research & Social Science*, 62: 101393. <https://doi.org/10.1016/j.erss.2019.101393>

Garret, J., Thompson, P., & Conway, F. (2022). Socioeconomic Impacts of Wave Energy Knowledge and Service Providers to Oregon: Research Summary Report. Pacific Marine Energy Center. *Website*: https://ir.library.oregonstate.edu/concern/technical_reports/h702qf34d

Johnson, Dawson, C. L., Conners, M. G., Locke, C. C., & Maxwell, S. M. (2022). Offshore renewables need an experimental mindset. *Science (American Association for the Advancement of Science)*, 376(6591): 361–361. <https://doi.org/10.1126/science.abo7924>

Maxwell, Kershaw, F., Locke, C. C., Conners, M. G., Dawson, C., Aylesworth, S., Loomis, R., & Johnson, A. F. (2022). Potential impacts of floating wind turbine technology for marine species and habitats. *Journal of Environmental Management*, 307: 114577–114577. <https://doi.org/10.1016/j.jenvman.2022.114577>

Some Commercial Fishing, Environmental NGOs, etc. collaborations mentioned 5/9

Responsible Offshore Development Alliance (RODA). (2022). *Website*: <https://rodafisheries.org>. “We are a broad membership-based coalition of fishing industry associations and fishing companies committed to improving the compatibility of new offshore development with their businesses.”

Responsible Offshore Science Alliance. (2022). *Website*: <https://www.rosascience.org>. “The Responsible Offshore Science Alliance (ROSA), founded in 2019, is a nonprofit organization that seeks to advance regional research and monitoring of fisheries and offshore wind interactions through collaboration and cooperation. ROSA’s objective is to be a trusted resource that enables scientific research, increases efficiency, deepens understanding, and facilitates collaboration.”

Oregon Fishermen’s Cable Committee (OFCC). *Website*: <http://www.ofcc.com/>

Crabber-Towboat Lane Agreement, Washington Sea Grant. *Website*: <https://wsq.washington.edu/celebrating-50-years-of-brokering-lane-agreements-between-crabbers-and-towboat-operators/>

Surfrider Foundation. (2008). Renewable Ocean Energy Policy. *Website*: <https://www.surfrider.org/pages/policy-on-renewable-ocean-energy>

Group Letter (2022). Sent to the Bureau of Ocean Energy and Management (BOEM). April 2022. *Signers included:* Midwater Trawlers Cooperative • Fishermen’s Marketing Association • Pacific Seafood • West Coast Pelagic Conservation Group • Pacific Coast Federation of Fishermen’s Associations • California Wetfish Producers Association • West Coast Fisheries Consultants • Ocean Gold Seafoods • Western Fishboat Owners Association • Oregon Trawl Commission • West Coast Seafood Processors Association • Pacific Whiting Conservation Cooperative • Shrimp Producers Marketing Cooperative • American Albacore Fishermen’s Association • Portland Audubon • American Bird Conservancy • Oceana • Surfrider Foundation • Oregon Shores • Whale and Dolphin Conservation • Kalmiopsis Audubon Society • Redwood Audubon Society • Audubon Society of Lincoln City • Cape Arago Audubon Society

Midwater Trawlers Cooperative: “Midwater Trawlers Cooperative is a non-profit trade association established in 1982. We represent 30 trawl catcher vessels that fish for pacific whiting and groundfish on the Pacific coast and for pollock, cod and groundfish in the Bering Sea and Gulf of Alaska. MTC vessels are homeported in Brookings and Newport, Oregon; Seattle, Washington; and Kodiak, Alaska. Headquartered in Newport, Oregon, MTC represents the interests of its members at the local, state, regional and national level in regard to fisheries management activities.”

<https://www.midwatertrawlers.org>

Fisherman’s Marketing Association: “The Fishermen's Marketing Association (FMA) was founded in 1952 in order to promote stable prices and an orderly flow of wholesome seafood to the consumer. Today the FMA supplies groundfish and shrimp to around twenty different fish processing companies at over forty buying stations from Bellingham, Washington to San Pedro, California.”

<https://www.trawl.org>

Pacific Seafood: “Founded in 1941 by the Dulcich Family, Pacific Seafood is a family-owned and operated company dedicated to providing the healthiest protein on the planet. Pacific Seafood manages all parts of the supply chain from harvesting/fishing to processing, and distribution in order to provide customers with fresh, sustainable, high-quality products. Pacific Seafood Group is headquartered in Clackamas, Oregon. We employ more than 3,000 team members across 41 facilities in 11 states. One of our missions is to provide products to meet all of our customers’ center of the plate protein needs including seafood, beef, pork, and poultry. Some of our most popular items include oysters, Dungeness crab, rockfish, cold-water shrimp, wild salmon, and steelhead.”

<https://www.pacificseafood.com>

West Coast Pelagic Conservation Group: “Our organization is composed of fishermen and processors with the purpose of improving research, educational opportunities, and marketing opportunity for our west coast pelagic species. To date we have primarily focused on collaborative research.”

<https://pfmc.psmfc.org/CommentReview/DownloadFile?p=a3fe4eb5-5253-4343-ae8f-6582960c9688.pdf&fileName=WCP%20Comments%20Agenda%20Item%20G.1%20Sardine%20Rebuilding%20Plan.pdf>

Pacific Coast Federation of Fisherman’s Associations: “The Pacific Coast Federation of Fishermen’s Associations (PCFFA) is the largest and most active trade association of commercial fishermen on the West Coast. PCFFA has led the fishing industry in protecting the rights of fishermen and fishing communities since 1976. We constantly fight for the long-term survival of commercial fishing as a productive livelihood and way of life.”

<https://pcffa.org>

California Wetfish Producers Association: “The non-profit California Wetfish Producers Association (CWPA) was established in 2004 to promote sustainable fisheries and foster cooperative research. Voluntary membership includes the majority of wetfish harvesters and processors operating in California.”

<https://californiawetfish.org>

West Coast Fisheries Consultants: “Modern fishing is a careful balance between public and private interests; all seeking to create and promote sustainable fishing practices. Fishermen want to fish, we understand that. We also understand that without reasonable management, many fisheries would not be targeted in a sustainable way. What is reasonable? Obviously, that varies and depends on the particular fishery and fishing methods under scrutiny. West Coast Fisheries Consultants are unique in that we have an attorney who has participated in both the sport fishery and a number of commercial fisheries. He understands the laws, regulations and procedures that go into the fishery management process; and can effectively bridge the gap between those who simply want to fish and those who want to regulate the fisheries. We also have access to marine biologists, lobbyists and other professionals who allows us to provide valuable services to our clientele.”

<https://www.wecofm.com/index.html>

Ocean Gold Seafoods: “First and foremost, we are four separate companies united under a common purpose to keep Grays Harbor fishing. Each company is a family company of fishermen. Three generations of families working together. Many of us started out as deckhands and worked our way up. That work ethic, independent spirit and “git-er’done” attitude still informs our business, our culture and our way of life. And while we’ve grown up over the years and brought on board some folks who have cut their teeth out on the “corporate sea,” we still share that belief that a handshake still means something and that an honest day’s work is worth more than a hat full of promises.”

<https://oceancos.com/ocean-gold>

Western Fishboat Owners Association: “The Western Fishboat Owners’ Association (WFOA) is a non-profit association representing albacore troll-vessel owners and supporting businesses in California, Oregon, Washington, Alaska, and Hawaii. We also maintain a limited membership of vessels in New Zealand and in British Columbia, Canada. These family-owned boats fish for Wild Pacific Albacore off the U.S. West Coast from June through October, and in the South Pacific from January through April.”

<http://www.wfoa-tuna.org>

Oregon Trawl Commission: “The Oregon Trawl Commission (OTC) is made up of the people who fish and process trawl products. Oregon’s first commodity commission devoted to promotion of fishery rather than agricultural products. It is also the first commission of this kind ever formed in the U.S.”

<https://www.ortrawl.org>

West Coast Seafood Processors Association: “Headquartered in Astoria, Oregon, the West Coast Seafood Processors Association (WCSPA) was founded in 1993 by a group of seafood processors who realized that no other organization existed exclusively to deal with the problems and challenges facing shore-based seafood processors in Washington, Oregon, and California. Since then, WCSPA has grown to represent most major, and many minor, shore-based processors of groundfish, crab, shrimp, and salmon.”

<https://www.wcspa.com>

Pacific Whiting Conservation Cooperative: “The PWCC is a trade association representing three companies that own and operate U.S. catcher/processor vessels that participate in the west coast Pacific whiting fishery. By weight, this abundant, well-managed groundfish fishery accounts for the

largest volume of fish harvested on the U.S. west coast each year. Fishery managers and scientists employ a precautionary approach to management to ensure healthy fish stocks for years to come.”
<http://pacificwhiting.org/homepage.htm>

American Albacore Fishermen’s Association: “We seek to ensure responsible fishery management practices and the participation of vital fishing communities. We support education regarding responsible fishing methods and promote the health benefits of tuna consumption along with environmental benefits of sustainable fishery practices.”
<https://americanalbacore.com>

Portland Audubon: “Portland Audubon’s passionate and growing community has loved and advocated for Oregon’s wildlife and wild places for more than 100 years. With the help of our vast network of advocates, nature enthusiasts, and partners, we inspire and connect people to nature through a variety of programs that are grounded in science and learning. Our mission: To inspire all people to love and protect birds, wildlife, and the natural environment upon which life depends.”
<https://audubonportland.org>

American Bird Conservancy: “For more than 25 years, American Bird Conservancy has been standing up for birds and their habitats throughout the Americas. We’re proud of our bird conservation results. But the need is great. Many birds are experiencing major population declines and need our help more than ever. American Bird Conservancy is dedicated to conserving wild birds and their habitats throughout the Americas.”
<https://abcbirds.org>

Oceana: “Oceana is dedicated to protecting and restoring the world's oceans on a global scale. Oceana seeks to make our oceans as rich, healthy, and abundant as they once were.”
<https://oceana.org>

Surfrider Foundation: “The Surfrider Foundation is dedicated to the protection and enjoyment of the world’s ocean, waves and beaches, for all people, through a powerful activist network.”
<https://www.surfrider.org>

Oregon Shores Conservation Coalition: “Oregon Shores is dedicated to preserving the natural communities, ecosystems, and landscapes of the Oregon coast while conserving the public's access.”
<https://oregonshores.org>

Whale and Dolphin Conservation Commission: “To amaze people with the wonder of whales and dolphins and inspire global action to protect them.”
<https://us.whales.org>

Kalmiopsis Audubon Society: “Our mission is to protect the extraordinary and diverse natural habitats of southwest Oregon — including old-growth forests, stunning coastlines, and wild rivers — for birds, fish, wildlife, and future generations.”
<https://kalmiopsisaudubon.org>

Redwood Audubon Society: “Redwood Region Audubon Society advocates for the protection of birds and other wildlife by increasing the understanding and appreciation of the natural world, and by initiating and supporting local conservation and education efforts.”
<http://www.rras.org/home.aspx>

Audubon Society of Lincoln City: “Our mission is to encourage residents and visitors to protect and enjoy the native birds, other wildlife, and habitats found on the Central Oregon Coast.”

<http://www.lincolncityaudubon.org>

Cape Arago Audubon Society: “Our mission is to promote appreciation and understanding of the birds and natural environment of Coos County through education, field trips, and local restoration and conservation projects that enhance our community.”

<https://www.fws.gov/partner/cape-arago-audubon-society>

Some Energy industry related groups, publications mentioned on 5/9

Pacific Ocean Energy Trust (POET). (2022). *Website*: <https://pacificoceanenergy.org>. “Committed to the responsible development of marine renewable energy in the Pacific Region.”

Casey, Tina. (2020). Floating Offshore Wind Turbines Blast Off, With Help from US Taxpayers.

CleanTechnica. Published: September 3, 2020. *Website*:

<https://cleantechnica.com/2020/09/03/floating-offshore-wind-turbines-blast-off-with-help-from-us-taxpayers/>