



Mid-Atlantic Fishery Management Council

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Michael P. Luisi, Chairman | P. Weston Townsend, Vice Chairman

Christopher M. Moore, Ph.D., Executive Director

MEMORANDUM

Date: March 25, 2022
To: Council
From: Julia Beaty, staff
Subject: Updates on Offshore Wind Energy Development

During their meeting on April 5, 2022, the Council will receive updates on the Ocean Wind and Atlantic Shores offshore wind energy projects, both of which are located in federal waters off New Jersey. The Bureau of Ocean Energy Management (BOEM) will also provide updates on several developments related to offshore wind energy development.

The following materials are included behind this tab:

- 1) Fact sheet on Ocean Wind project area. Additional information on Ocean Wind is available [here](#).
- 2) Map of Atlantic Shores project areas. Additional information on Atlantic Shores is available [here](#).
- 3) Updates from BOEM
- 4) Additional materials submitted by wind project developers not on the agenda:
 - a. March 21, 2022 Mariners Briefing on US Wind project off Delaware and Maryland

Ocean Wind 1



Project overview

Ocean Wind 1 is an 1,100 MW offshore wind farm, developed by Ørsted and PSEG, that is located 15 miles off the coast of Southern New Jersey. As New Jersey's first utility-scale offshore wind farm, Ocean Wind 1 will provide clean and reliable energy, local jobs, and infrastructure enhancements to the Garden State – helping realize New Jersey's vision of becoming a world-class leader in the offshore wind industry.

Ocean Wind 1 is bringing unparalleled experience to New Jersey, focusing on responsible development, environmental stewardship, transparent stakeholder engagement and robust job and supply chain creation efforts. Ørsted is the global leader in offshore wind development with over 30 years' experience, and PSEG has expertise in executing complex energy infrastructure projects and power market knowledge in New Jersey.

Stakeholder engagement, project survey work and permitting is underway. In March 2021, Ocean Wind 1 received its Notice of Intent from the Bureau of Ocean Energy Management and expects a draft Environmental Impact Statement to be issued in May 2022. Additional work, including extensive environmental impact studies and coordination with the New Jersey Department of Environmental Protection to complete the state-specific permit process, is on-going.

Who

75/25 JV partnership between Ørsted & PSEG

What

1,100 MW offshore wind farm with the capacity to provide over half a million homes in New Jersey with clean, reliable energy

When

Ocean Wind 1 could provide first power in late 2024, subject to federal permitting timelines, other development and construction activities, and final investment decisions by Ørsted and PSEG.

Where

15 miles off the coast of Southern New Jersey at its closest point, with minimal visual impacts

Why

Providing New Jersey residents with 100% renewable energy and helping to meet the State's ambitious goal of 7,500 MW of offshore wind by 2035

Benefits to New Jersey

Local investment

As part of the commitment to supporting New Jersey's clean energy goals of creating a new, long-term, sustainable and equitable clean energy industry, Ocean Wind 1 has committed to meeting ambitious spending and job creation targets.

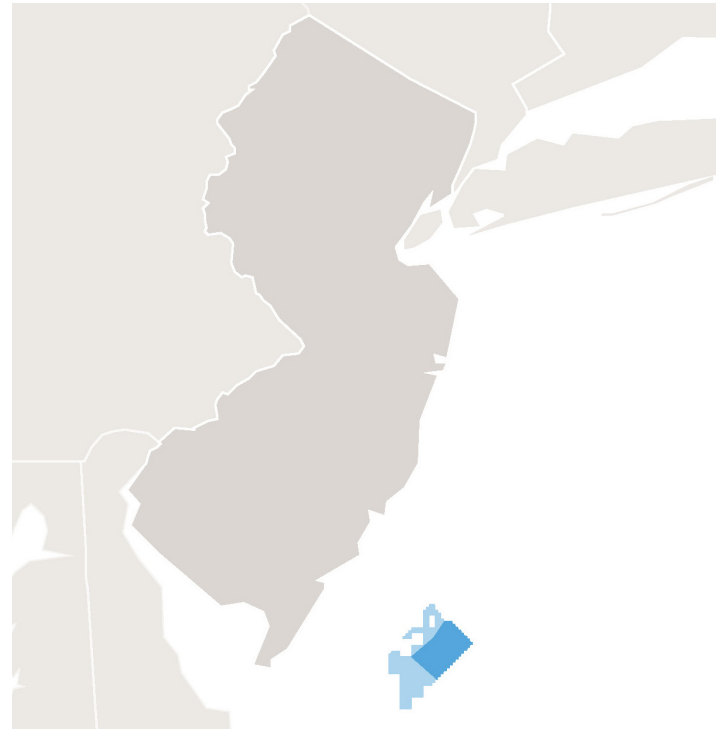
Ocean Wind 1 anticipates spending **\$695 million** in New Jersey while creating about **1,000 construction jobs per year** during the construction phase of the project. To meet these commitments, Ocean Wind 1 will draw upon Ørsted's extensive network of global suppliers to bring thousands of construction and manufacturing jobs to the state.

Once construction is complete, an Operations and Maintenance (O&M) base will be established in Atlantic City to service Ocean Wind. The O&M facility will drive economic development by providing 69 high- skilled jobs during the 25+ year lifespan of the project.

Ocean Wind 1 will also remove **110 million tons of CO₂** during the project's 25+ year lifespan. That's the equivalent of **removing 21.6 million cars** off New Jersey roads.

Pro-NJ Grantor Trust

Ocean Wind 1 believes offshore wind presents an opportunity for local businesses and has invested \$15 million in the Pro-NJ Grantor Trust. The Trust offers small, women-owned and minority owned businesses support in entering the emerging offshore wind industry. The Trust also provides funding for coastal resiliency projects in Ocean, Atlantic and Cape May Counties. Oversight of the Trust is provided by a group of volunteer Trustees representing the tri-county area, each offering a deep understanding of their respective counties.



About Ocean Wind 1

Ocean Wind 1 is an 1,110 MW offshore wind project by Ørsted and PSEG that will provide enough clean energy to power 500,000 New Jersey homes. To learn more visit oceanwind.com.

The Ørsted vision is a world that runs entirely on green energy. In the United States, Ørsted operates the Block Island Wind Farm, America's first offshore wind farm, and constructed the two-turbine Coastal Virginia Offshore Wind pilot project – the first turbines to be installed in federal waters. Ørsted has secured over 4,000 megawatts of additional capacity through six projects in the Northeast and

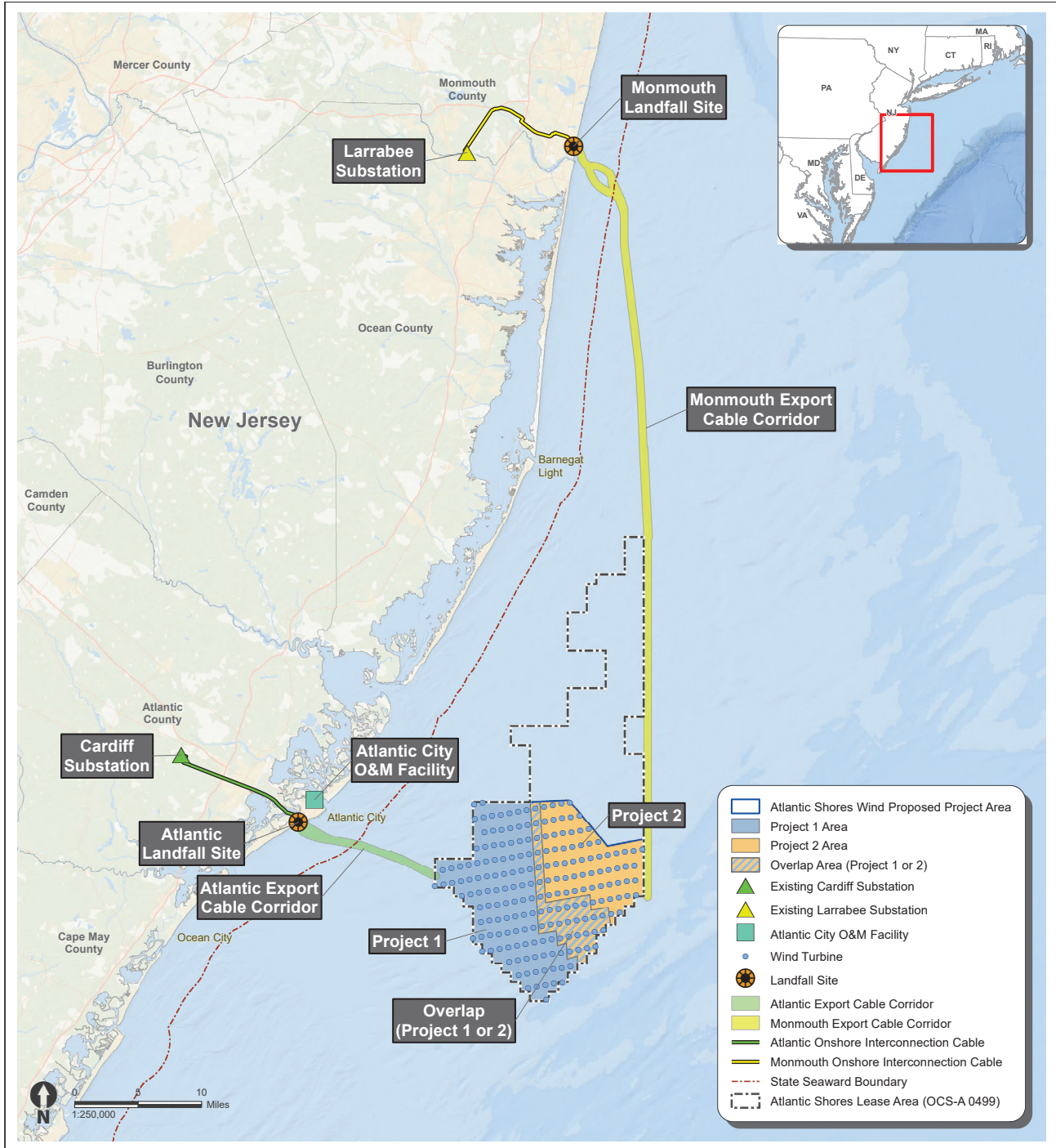
Mid-Atlantic. To learn more visit us.ored.com or follow us on Facebook, Instagram and Twitter [@OrstedUS](https://twitter.com/OrstedUS).

Public Service Enterprise Group Inc. (PSEG) (NYSE: PEG) is a publicly traded diversified energy company with approximately 13,000 employees. Headquartered in Newark, N.J., PSEG's principal operating subsidiaries are: Public Service Electric and Gas Co. (PSE&G), PSEG Power and PSEG Long Island. PSEG is a Fortune 500 company included in the S&P 500 Index and has been named to the Dow Jones Sustainability Index for North America for 13 consecutive years. To learn more visit <https://corporate.pseg.com>.



Atlantic Shores Offshore Wind Projects

Atlantic Shores Project Areas



BOEM Offshore Wind Update for MAFMC April 2022 Briefing Book

March 24, 2022

New York Bight lease sale update

The BOEM New York Bight website (most of the info below can be found here):

<https://www.boem.gov/renewable-energy/state-activities/new-york-bight>

Since the presentation given at the last MAFMC meeting in December 2021, BOEM has:

- Published the [Final Sale Notice](#) (January 14, 2022), [leases](#) for each of the 6 areas auctioned, and BOEM's [response to comments](#) received during the Proposed Sale Notice (PSN) comment period.
- Held a post-FSN meeting (January 19, 2022) with the fishing industry to explain how comments from the PSN were incorporated in final lease decisions.
 - [Meeting Recording](#)
 - [Meeting Summary](#)
- Held Auction: February 23-25
 - Competitive winning bids totaled \$4.37 billion, highest-grossing competitive ocean energy lease sale in history.
 - [Press Release](#)
- Next Steps:
 - Execute Leases (early April) - Lease Effective Date: likely May 1.

Central Atlantic Call Area development

Since the presentation given at the last MAFMC meeting in December 2021, BOEM has:

- Held engagement meetings to collect feedback on a draft Central Atlantic Planning Area with fishing, wind energy and marine industry representatives, as well as environmental NGOs.
- Held several engagement meetings with state, federal and tribal governments to discuss the development of the Call for Information and Nominations area.
- Convened the Central Atlantic Intergovernmental Renewable Energy Task Force to collect feedback on the draft Call for Information and Nomination area.
- Summaries of these meetings, along with presentations and a DRAFT Call Area shapefile are available for download here: <https://www.boem.gov/renewable-energy/state-activities/central-atlantic-activities>
- Next steps: Publication of the Call for Information and Nominations in the *Federal Register* in early May 2022

Offshore wind fisheries mitigation guidance development

Since the last MAFMC update BOEM has:

- Posted the comments on the request for information on regulations.gov (Docket No. BOEM-2021-0083).

- Posted summaries of six virtual meetings (<https://www.boem.gov/renewable-energy/request-information-reducing-or-avoiding-impacts-offshore-wind-energy-fisheries>).
- BOEM is considering the feedback received and are aiming to publish draft guidance for public comment in early May and final guidance in the summer of 2022.

NOAA Fisheries and BOEM Federal Survey Mitigation Implementation Strategy - Northeast U.S. Region

BOEM and NOAA Fisheries have been working cooperatively to develop a Federal Survey Mitigation Implementation Strategy

- The Implementation Strategy describes NOAA Fisheries' and BOEM's cooperative approach to mitigate impacts of OSW energy on NOAA Fisheries surveys.
- This Implementation Strategy is specific to the Northeast U.S. region and can serve as a model for other NOAA Fisheries regions.
- March 22, 2022, BOEM and NOAA Fisheries' released a draft Implementation Strategy
- Two informational webinars will be held on March 29 and 30, 2022. See the NOAA Fisheries Events page for webinar details and registration:
<https://www.fisheries.noaa.gov/event/webinar-noaa-fisheries-and-bureau-ocean-energy-management-federal-survey-mitigation>
- BOEM and NOAA Fisheries seek public comment on this Strategy by May 6, 2022
- Visit [regulations.gov](https://www.regulations.gov) and to Docket BOEM-2022-0012:
<https://www.regulations.gov/docket/BOEM-2022-0012>



US Wind¹ Mariners Briefing – March 21, 2022

Geophysical Survey Activities

US Wind’s geophysical survey vessel, the **R/V Fugro Brasilis**, has been conducting geophysical survey work in the Lease area since January 8, 2022. On February 7, 2022, after confirming that local fishermen were not actively fishing in the Lease area and providing a seven-day notification window, the **R/V Fugro Brasilis** began survey work in **All Zones (A-D)** (see chartlet below). Local scout vessels and observers onboard the survey vessel, including the Offshore Fisheries Liaison, have maintained a sharp lookout for fishing gear to ensure avoidance. Some lost gear has been identified and returned it to its owners. US Wind’s fisheries liaisons continue to share information and coordinate activities with local fishermen.



R/V Fugro Brasilis – 219 ft LOA; Call Sign: C6AP7; MMSI: 311000115

(New) Near Shore Geophysical Survey Activity

On March 28, 2022 the **R/V Westerly** will be conducting geophysical survey operations in the near shore Atlantic Ocean in **Zone D**. The **Westerly** will be accompanied by the vessel **Ocean City Girl**, which will carry Protected Species Observers to support survey operations.



R/V Westerly – 50 ft LOA; Call Sign: WDF7918

Geotechnical Survey Activities

US Wind continues to conduct geotechnical survey work using the **PSV Regulus** in the southeastern portion of the Lease area. No fishing gear interactions have been noted since the survey began on December 15, 2021. The **PSV Regulus** will continue to work in **Zone A** and **Zone B** for the foreseeable future.

¹ In 2014, US Wind acquired a federal Lease area off the coast of Maryland, which has the potential to generate approximately 2,000 MW in offshore wind power. In 2017, Maryland approved the company’s ~300 MW **MarWin** project, and in December 2021, the state approved the 808 MW **Momentum Wind** project. For more information, please visit our website: <https://uswindinc.com>.



PSV *Regulus* – 272 ft LOA; Call Sign: WDG8927; MMSI: 366987000

Mariners Briefings can be found on the US Wind website at <https://uswindinc.com/mariners/> or requested from Benjamin Cooper, US Wind’s Director of Marine Affairs (b.cooper@uswindinc.com). You may also wish to contact US Wind’s Fisheries Liaison Officers for fisheries specific information (Wolfgang Rain: 206-427-6553; wrain@searisksolutions.com and Ron Larsen: 570-242-5023; ronlarsen@searisksolutions.com) or the Offshore Fisheries Liaison (OFL2@Offshorewfs.com).

The chartlet below depicts survey zones in and around the US Wind Lease area off Maryland’s coast (not to be used for navigation purposes).

