

Equinor Renewables Americas – US Ports

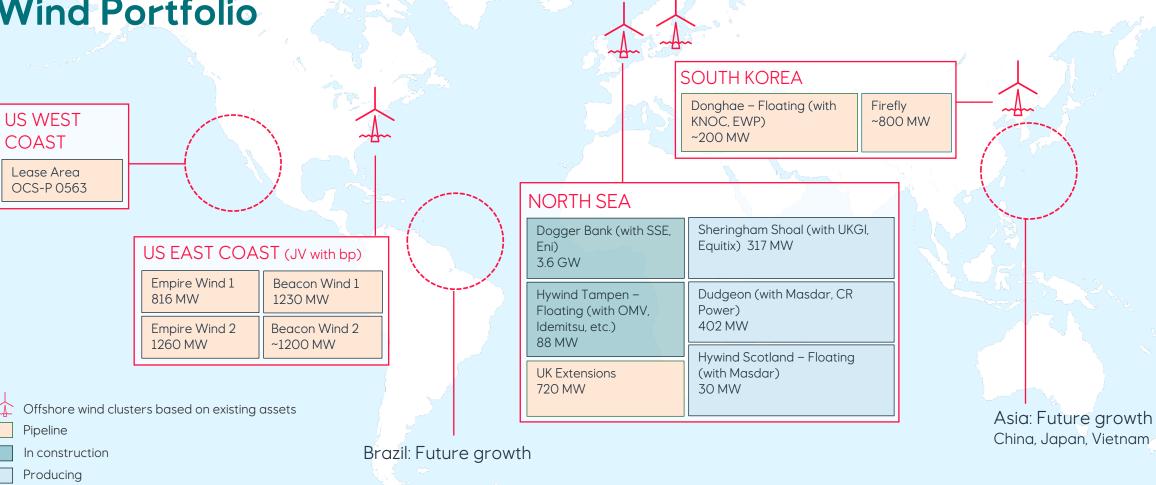
Panel Five MRS 2023

Equinor's Global Offshore Wind Portfolio

BALTIC SEA

Baltyk I,II,III, Poland (with Polenergia) ~2.5 GW Arkona, Germany (with RWE) 385 MW







Bringing renewable energy– and so much more

equinor

The Empire Wind and Beacon Wind projects will deliver:

- **3.3 GW** of renewable energy
- power for ~2 m homes
- **\$3 bn** in economic development commitments to NY
- **\$52 m** for community benefits
- **\$25 m** for environmental research
- 73-acre OSW port facility at South Brooklyn Marine Terminal
- 500 long-term jobs*
- 1,500 short-term jobs*



What do OSW Developers look for in a Port?



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Land

No matter how much you have, it's never enough

□~40 or more acres ideal □ 3000 psf upland bearing capacity □6000 psf quayside crane pad ideal

Marine Feasibility

Optimize throughput, minimize standby

□ Ideally two berths accessible from a single crane Ability to berth CCV and two feeder barge/tugs (or jackup) simultaneously

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Availability

First Power is paramount, time is money

Alignment with business case assumptions Flexibility critical – permitting, supply chain dynamics



Cost

LCOE picture is complex Different drivers for Staging vs O&M



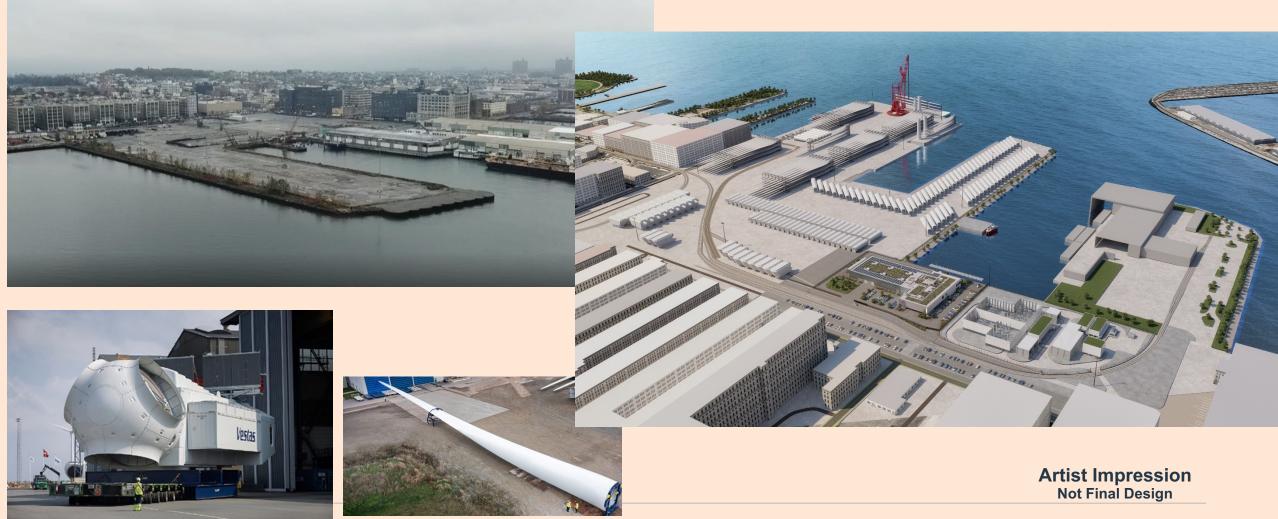
Location

Competing priorities

Economic Development usually offtake award criteria Distance to the field is time and money



South Brooklyn Marine Terminal: Planned Transformation





Staging Port Overview

- Almost **70 acres** total upland area
- 3000 psf upland bearing capacity
- 6000 psf quayside crane pad
- Three berths
 - Two deepwater, reachable from **single crane**
 - One shallow water tug & barge
- Temporary offices & warehousing (not shown)





O&M Base Overview

- Docking facilities utilize shore power for Hybrid Vessel to prevent idling at port
- Office Space and Operations Control Room
- Facilities to support offshore maintenance
- Warehouse for operational spares utilizing electric forklifts
- Electric vehicle charging onsite
- Designed for future sea level rise and flood protection
- LEED Certified Building & WEDG Certified Port Site





SBMT Transformation – Anticipated Timeline

