

Pentland Floating Offshore Wind Farm: Factsheet

Deal information

Deal announced	19/11/2025
Sector	Renewable Energy
Location	Highlands and Shetland Islands, Scotland
Counterparty	Highland Wind Limited ⁱ
NWF Finance	£25.2m
Product	Equity



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Summary

The National Wealth Fund will provide £25.2 million equity to support Highland Wind Limited delivering a 92.5MW floating offshore wind farm off the coast of north Scotland. It will act as a demonstrator project for floating offshore wind, solving problems to make it easier to deploy at scale to form a key part of the UK's wind generation capacity. This project will generate clean energy for the UK grid, bolster local economic growth, and contribute to national net zero targets.

This investment highlights how public finance institutions can collaborate to support early-stage clean energy technologies and attract private capital aligned with the government's goals for economic growth and decarbonisation. It also demonstrates confidence in the UK's floating offshore wind industry, encouraging a shift in investment from oil and gas and positioning the sector to compete in a growing global market.

Offshore wind supports the government's Clean Power 2030 mission, as a cornerstone of its goal to fully decarbonise electricity by 2030. That means increasing offshore wind capacity to a target of 43-50GWⁱⁱ. As well as adding capacity, this project is leading the way as a demonstrator project to increase the readiness to deploy floating offshore wind at scale to meet this goal.

Sector context

Wind power now accounts for around 30% of the UK's electricity generation, with offshore wind contributing approximately 48% of that totalⁱⁱⁱ. To meet the UK government's ambition to expand offshore wind, substantial investment is required in grid infrastructure, supply chains, and project development. Floating offshore wind is crucial to unlock the ability to take advantage of the stronger winds at deeper water depths, as well as avoiding congestion of seabed used for fixed bottom offshore wind projects^{iv}.

The UK is uniquely positioned to lead in this space. It has been identified as the top global market for floating offshore wind investment. In particular, Scotland has the capacity to deliver up to 40GW of offshore wind power—enough to power millions of homes, create thousands of jobs, and boost the economy. Notably, 60% of this potential lies in floating wind, which can be deployed in locations unsuitable for fixed turbines.

Impact and additionality

The project is expected to deliver impact against both of the NWF's strategic objectives. The Pentland Floating Offshore Wind Farm will consist of five turbines, each with a capacity of 18.5 MW, contributing to national net zero targets. Offshore wind is one of the renewable energy technologies where the UK is a global leader, with northern Scotland offering some of the highest wind speeds in the country^v.

The project will support about 1,080 direct and indirect FTE jobs across construction and operations, contributing to the sector's projected growth, which is expected to support 47,000 jobs by 2030^{vi}. It also offers significant opportunities for UK and Scottish ports in areas like foundation marshallings, mooring line supply, anchor fabrication and installation, and cable supply and installation, with likely added benefits for local ports.

The floating offshore wind market is currently struggling to scale beyond pilot projects, with larger developers waiting for first movers to demonstrate commercial viability. Our investment in the project helps address this challenge by supporting the transition to larger-scale developments, despite the use of first-of-a-kind (FOAK) technology.

ESRG considerations

Highland Wind Limited's ability to identify and manage Environmental, Social, Resilience and Governance (ESRG) risks in relation to the Pentlands Wind farm has been assessed against the National Wealth Fund's ESRG framework. The company has demonstrated strong ESRG credentials through the development phase and in its wider operations. The project will be

delivered in line with industry standards for offshore wind development, with robust planning, environmental assessment, and community engagement processes in place to mitigate material risks.

Impact metrics

Impact	Metric
£87.3m ^{vii}	Total Investment in the Wind Sector
1080 ^{viii}	Direct Jobs Created and Supported
79,900 ^{ix}	tCO ₂ e Emissions Avoided
£0m ^x	Private Finance Mobilised
92.5 MW ^{xi}	Capacity; MW of Generation Capacity

ⁱ Company number SC675148, 4th Floor 115 George Street, Edinburgh, Midlothian, Scotland, EH2 4JN

ⁱⁱ <https://www.gov.uk/government/publications/clean-power-2030-action-plan/clean-power-2030-action-plan-a-new-era-of-clean-electricity-main-report#our-pathway-to-2030>:~:text=We%20have%20high%20ambition.%20That%20means%2043%2D50%20GW%20of%20offshore%20wind%2C%2027%2D29%20GW%20of%20onshore%20wind%2C%20and%2045%2D47%20GW%20of%20solar%20power

ⁱⁱⁱ [UK wind and global offshore wind: 2024 in review](#)

^{iv} Page 81, Clean Power 2030 Action Plan: A new era of clean electricity – main report, [Clean Power 2030 Action Plan - GOV.UK](#)

^v <https://www.opennetzero.org/departments-of-trade-and-industry-dti/uk-windspeed-database>

^{vi} HYPERLINK "https://www.renewableuk.com/media/ezvmvea3/industry-roadmap-2040-building-uk-port-infrastructure-to-unlock-the-floating-wind-opportunity_march-2023.pdf" [Floating offshore wind roadmap](#)

^{vii} Across two deals, inclusive of Highland Wind Limited.

^{viii} Of which 33 attributable to NWF finance.

^{ix} Of which c.2500tCO₂e attributable to NWF finance.

^x Private finance mobilised within our funding round is currently zero, our investment is expected to crowd in significant private debt capital as the project secures a CfD and reaches FID.

^{xi} Of which 2.9MW attributable to NWF finance.