

Philippines Offshore Wind Roadmap

UK Experience in Offshore wind rollout

Duncan Burt, 20 April 2022

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Offshore Wind Roadmap

International dialogue on Renewables Integration

- Honoured to engage with the Philippines Roadmap on Offshore wind
- Many lessons (good and bad) gained from UK experience to date and future plans

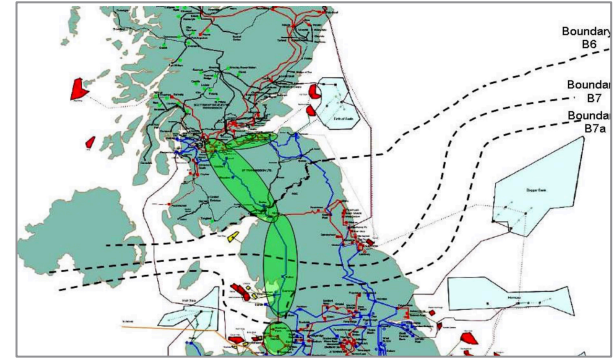
Summary

- Rapid UK renewable growth has maintained a secure, reliable and economic grid
- Early planning in network development, Data and Market helps remove barriers
- Connection issues and network growth require coordination
- Market developments important to future success

Energy Transition – Connections and Markets

Key early Issues for renewable growth

- Connection of renewable projects and capacity build of transmission grid
- In the last 15 years we have seen growth to:
 - 14 GW Onshore wind
 - 10 GW Offshore wind (fixed)
- Next 8 years will deliver
 - Additional 20-30 GW Offshore, mix of fixed and floating
- Experience to date
 - Joint strategic Network and Market Studies are key – Gov-Industry Network Strategy Group to unblock delays
 - Wind turbines can deploy faster than networks or markets so important to build strategic capacity/capability early
 - Floating turbines has opened up whole ocean... so coordination even more important



References

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Useful links

Future Energy Scenarios

<https://www.nationalgrideso.com/future-energy/future-energy-scenarios/fes-2020-documents>

System Operability Framework:

<https://www.nationalgrideso.com/research-publications/system-operability-framework-sof>

Ten Year Statement

<https://www.nationalgrideso.com/news/electricity-ten-year-statement-etys>

Electricity Networks Strategy Group

https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/48274/4263-ensgFull.pdf

Crown Estate Offshore Wind annual report

<https://www.thecrownestate.co.uk/media/3792/offshore-wind-operational-report-1.pdf>