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Preliminary Environmental Information

Key changes since Scoping

17th June 2024

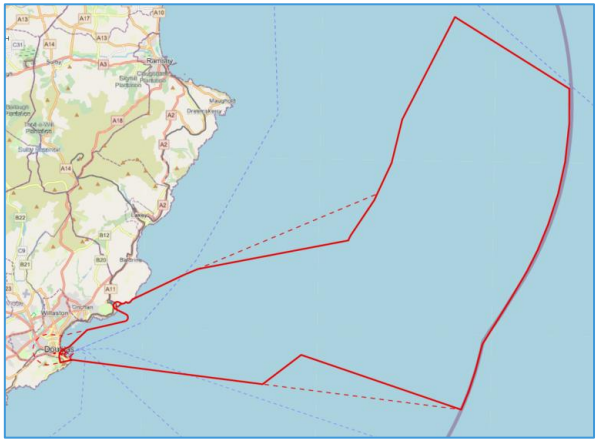
TOBNA

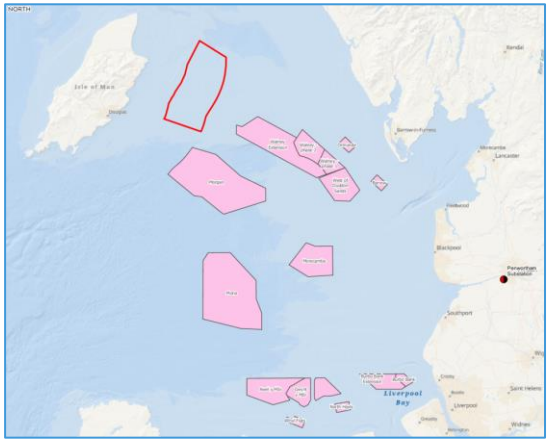
Key changes since Scoping

	Scoping Report (October 2023)	Consultation Materials (Summer 2024)	Justification
	Consent includes Terrestrial Electrical Connection Cable (TECC) and Onshore Substation (OnSS).	TECC and OnSS to be consented separately.	To provide time to mature the design of the onshore infrastructure.
	Landfall at Douglas Bay (including Douglas Promenade and Port Skillion) and/or Groudle Bay.	Douglas Promenade removed as potential landfall option.	Technical challenges to make landfall at Douglas Promenade.
	Gravity Base Foundations (GBF) included as an option for wind turbines and offshore platforms.	GBF removed as an option from the project design envelope.	Significant reduction in maximum seabed footprint.
	Monopile hammer energy: 5000 kJ Pin-pile hammer energy: 3000 kJ	Monopile hammer energy: 6,600 kJ Pin-pile hammer energy: 5,000 kJ	To accommodate future potential piling scenarios and technology.
	Maximum height of Offshore Platforms: 100m (substation and O&M Base)	Maximum height of Offshore Platform: 85m (substation) and 64 m (O&M Base)	Project design refinement following technical assessment
	Broad Offshore Offshore Electrical Infrastructure Study Area	Refined in Offshore Electrical Infrastructure Study Area (see Figure)	Project design refinement following technical assessment
	Temporary landfall compound size: 15,000 m^2	Temporary landfall compound size: 13,000 m^2	Project design refinement following technical assessment
	Grid connection options in the UK: Connah's Quay, Frodsham or Penwortham	Penwortham selected for UK grid connection point.	Project design refinement following technical assessment

Key changes since Scoping

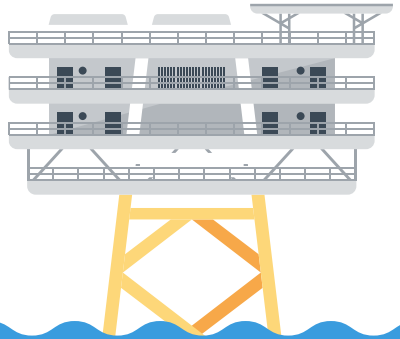
Refinement of the initial Scoping Boundary (dotted red line) with removal of Douglas Promenade as a landfall option and refinement of the Offshore Electrical Infrastructure Study Area.





Penwortham selected for UK grid connection point.

Increase in monopile hammer energy to 6,600 kJ from 5000 kJ



Removal of Gravity Base Foundations

Reduction in height of Offshore Substation height to 85m from 100m

Reduction in landfall construction compound area to 13,000 m^2 from 15,000 m^2

Progression of onshore cable and substation in separate consent