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Request for an EIA screening opinion on the Hydrogen Turbine 1 (HT1) project

Dear Mark,

Please find enclosed an EIA Screening Opinion Request Report for our proposed hydrogen demonstrator project at Vattenfall's Aberdeen Offshore Wind Farm (AOWF).

Hydrogen Turbine 1 (HT1) is planned to be a pre-commercial demonstration of offshore hydrogen production. This would involve retrofitting an existing offshore turbine at AOWF by installing an extended transition piece platform to house hydrogen producing equipment and other associated infrastructure. From the turbine, a new subsea flowline would be installed, connecting to an onshore storage and offtake facility. This screening opinion request is focused primarily on the offshore elements of the project, however a description of the anticipated onshore infrastructure is included.

We have also requested clarification of the consenting route for this new type of offshore infrastructure and would be grateful for the view of MS-LOT and the Energy Consents Unit on this matter.

By using our existing assets, the scale of the works and any associated environmental effects are limited as far as practicable, whilst still providing the benefits of exploring the opportunity of generating hydrogen offshore. Both Scottish and UK Governments have set ambitious targets for the generation of low-carbon hydrogen and using offshore wind to produce this in a clean and efficient way will be a crucial part of the ongoing efforts to decarbonise and meet Scotland's 2045 net-zero target.

I trust this report will provide the necessary detail for the EIA screen opinion however don't hesitate to contact myself for any clarifications or additional information.

Yours sincerely

[Redacted]

Daniel Bates
Head of Consenting (UK & SWE)
Vattenfall Wind Power Ltd

Enc: HT1 Hydrogen Demonstrator Project EIA Screen Opinion Request Report