

Need for the Project?

Need for Generation

- Policies to achieve carbon emission reductions by electrifying heating and transport increase demand for electricity, meanwhile the UK's conventional thermal power stations have reached the end of their working life.
- Recent international events have demonstrated how instability and exposure to global markets drives up consumer prices. The UK urgently needs to increase its ability to generate the power it needs from its own resources to provide energy independence and affordability.
- Offshore wind is proven as the lowest cost way to add large amounts generation capacity to the grid and the UK Government has a target of installing 50GW by 2030.
- As a consequence of its size and location, the Caledonia Offshore Wind Farm is one of the lowest cost, and quickest offshore wind projects to deliver.



Need for Transmission

- The National Electricity Transmission System was not designed to accommodate large amounts of new remote renewable generation and there is a queue of projects seeking to connect.
- National Grid ESO is using a process called Holistic Network Design to recommend how, where and when new offshore windfarms connect to the electricity transmission system. In July 2022 this recommended New Deer as Caledonia's connection point, however limited grid capacity meant the full 2GW was not accommodated in their first series of recommendations; however their Follow Up Exercise published in March 2024 confirmed connection of the whole 2GW in the New Deer area. Phasing will allow the project to be developed according to grid availability.

