Fact Sheet

Project Overview

Novocastrian Offshore Wind

Novocastrian Offshore Wind is looking to develop a new offshore wind farm more than 22 to 52 kilometres off the coast of NSW's Hunter region. This project is in the early stages of feasibility assessment.

The Novocastrian Offshore Wind Farm will be capable of providing up to 2 gigawatts (GW) of renewable energy.

Strong, consistent wind resources off the coast of Newcastle are highly suitable for the generation of offshore wind energy. The Novocastrian Offshore Wind Farm will use approximately 100 - 130 turbines fixed to floating foundations to generate electricity. Energy will then be transported to the mainland cables and connect to the existing Newcastle high-voltage energy grid.

Community engagement is an important part of our approach as it allows us to understand stakeholders' views and expectations.

Consultation will be ongoing as the Novocastrian Offshore Wind Farm progresses through the design and approvals phase.

Why Offshore Wind

Offshore wind energy offers huge potential to deliver a significant new supply of clean, reliable energy as wind speeds are higher offshore and larger turbines can be used, meaning that more energy can be generated from an area. Offshore winds are typically stronger in evenings when solar power is not available. Offshore wind projects located close to regions with large energy loads will also help to accelerate the decarbonisation of our economy and provide a 'backbone' to support the development of new industries, like green manufacturing, electric transport and clean energy exporting.

New and expanded onshore supply chains will be needed to develop offshore wind farms given their scale and the complexity of assembling floating offshore wind infrastructure. This in turn, can create thousands of new jobs for – including skilled workers keen to transition into cleaner, more modern industries.

Multi-billion Investment

2GW Clean Energy

Estimated 3000 Construction Jobs

200-300 Permanent Jobs

Support for New Industry

Why the Hunter region?

The Hunter is an ideal home for the development of offshore wind. With existing heavy industry, transmission infrastructure and a large skilled workforce and a world class deep water port in the Port of Newcastle, it is ideally suited to supporting the development, deployment and operation of large-scale offshore wind assets.

Indicative Project timeline

2023 **Australian Government declared the Hunter zone in NSW, suitable for offshore wind and opened for applications from proponents.**

2024 **Awaiting final feasibility licence award**

Novocastrian Offshore Wind Farm received a provisional feasibility licence for a 500km^2 area offshore from the Hunter coast, NSW in June 2024.

Design and approvals | up to 7 years

The design of the offshore wind farm, transmission route and onshore grid connection will be informed by environmental and technical studies, engineering requirements and stakeholder input. Environmental approvals and evidence of a commercially viable project are required before making a final investment decision and applying for a commercial licence under the OEI Act.

Construction and commission | up to 4 years

Once a commercial licence is awarded, the project will take approximately four years to construct and commission before power begins to be generated and introduced to the grid.

Operations and maintenance | +30 years

The project will generate power for over thirty years, with a local operational and maintenance base for technical support.

Decommissioning | up to 2 years

The offshore wind farm will be designed to enable decommissioning and restoration of the environment at the end of its life, in accordance with approval conditions.

Contact Us

To find out more about the Novocastrian Offshore Wind Farm, please visit our website or email.

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