Iberdrola Australia

Aurora Green Offshore Wind Project

Aurora Green is a 3GW project located in Gippsland 25+ kilometres offshore to minimise visual impact.

600
long-lasting, skilled jobs during operation

1800+
jobs during construction

$8 billion
boost to Victorian economy

Grow & support
local talent through apprenticeships, scholarships and research programs

Clean energy
to power up to 2.25 million households

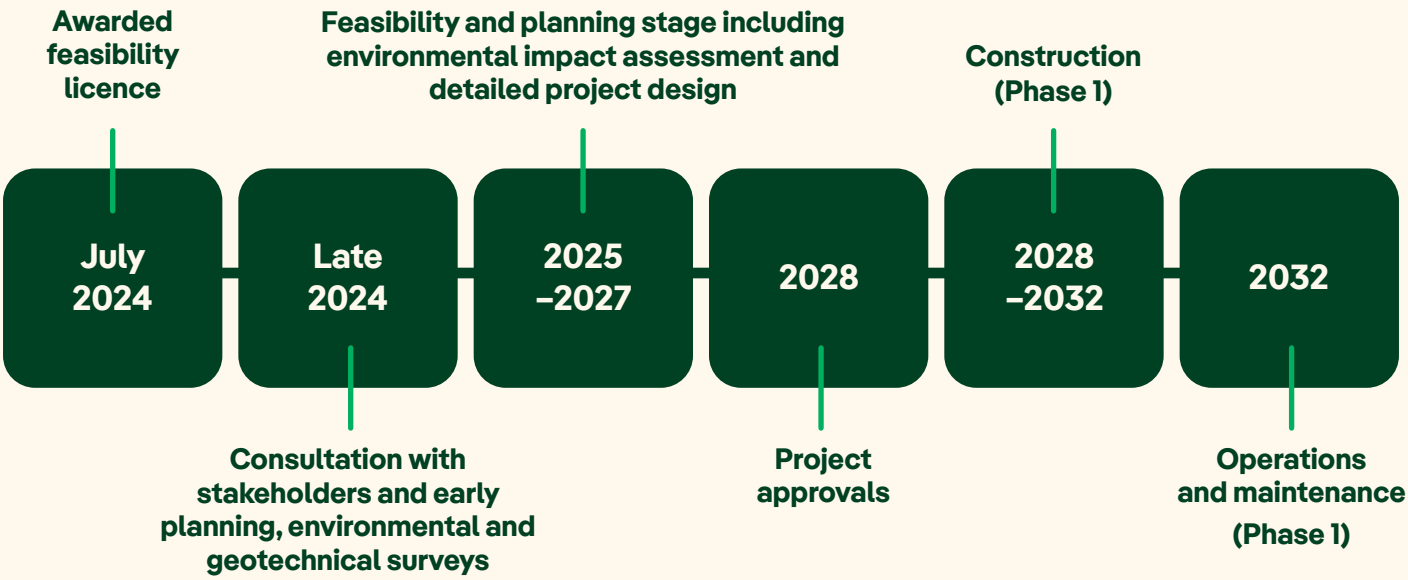
Acknowledgement of Country

We would like to acknowledge the Gunaikurnai people as the Traditional Custodians of the land on which the Aurora Green offshore wind project is located, and recognise their continuing connection to land, sea, culture and community.

We pay respect to Elders past and present.

Iberdrola Australia

Aurora Green Offshore Wind Project Timeline



Aurora Green Next Steps

The Iberdrola Group is a pioneer in developing the offshore wind industry across many markets, including in the US and UK. Leading the industry for over 10 years has taught us that every project has a unique set of challenges that require innovative solutions. We want to work together with stakeholders to ensure we deliver beneficial outcomes for all.

Next steps as we look to develop Aurora Green Offshore Wind Project in Gippsland

Traditional Owners	We are developing a partnership approach with traditional owner representative group, Gunaikurnai Land and Waters Aboriginal Corporation (GLaWAC) and are committed to traditional owner-led engagement and collaboration.
Working together with community, industry and government	Our Gippsland team will work with stakeholders in shaping the project and forming partnerships to ensure the economic value of an offshore wind industry is shared, whether this be through jobs and skills or community benefits. This includes consulting with commercial and recreational fisheries.
Studies and technical design	Potential social and environmental impacts of the project will be investigated through marine, and cultural heritage studies which will help inform the technical design of the project.
Approvals	The project will need to go through both Victorian Government and Federal Government environment and planning approvals processes. This will involve a number of environment and technical studies including geophysical and geotechnical investigations.
Collaboration on shared infrastructure	VicGrid is coordinating shared transmission infrastructure for offshore wind development in Gippsland. The Aurora Green project will include an underground transmission component to VicGrid's onshore connection point. Multi -port strategies will be required for construction and we are evaluating port options for the construction, operation and maintenance phases.

Planning & Surveys

After a feasibility licence is awarded a number of studies need to take place to assess the site for offshore wind development from a technical perspective.

The data collected from these investigations is critical in determining the site suitability and informing design, installation and operation of the offshore wind farm.

There are a number of marine studies that need to occur including wind and wave, environmental, geophysical investigations and geotechnical investigations.

Wind and wave investigations

These studies usually involve floating Light, Detection and Ranging (LiDAR) equipment which is a remote sensing technology used to determine wind speed, direction and other atmospheric variables like temperature and pressure.

A wave buoy is used to understand waves, tides, water levels, currents and sea surface level temperature.

These investigations support planning and design of the offshore windfarm including maximising energy capture.

Environmental surveys

These surveys are carried out to identify and understand plants and animals present in the study area such as marine mammals and birds.

This data can be used to identify ecologically sensitive habitats and populations and will support development and design of the windfarm.

Geophysical investigations

Geophysical investigations are carried out by vessels to gather information such as the composition and features of the seabed including significant habitat and any pre-existing objects such as cultural heritage, shipwrecks etc.

The data gathered from these investigations is used to produce maps which support the design, layout and development of the wind farm.

Geotechnical investigations

Geotechnical investigations are conducted to assess the seabed geology such as rock layers and are carried out by specialised vessels and drilling units.

Geotechnical data will help inform wind farm components such as the type of turbine foundations to be used.

These types of investigations require authorisations and approvals under the Offshore Electricity Infrastructure Act framework.

Aurora Green Project Map

A brighter future means we bring the best of local and global to offshore wind development in Australia.

For more information, please reach out to:
offshorewind@iberdrola.com.au

Iberdrola Australia