WAFIC Information Pack

Bunbury Offshore Wind Project

Metocean Site Investigations

Overview

The Bunbury Offshore Wind Farm is planning to undertake metocean investigations which will be covered within a management plan to be submitted to the Offshore Infrastructure Regulator (OIR) under the Offshore Electricity Infrastructure (OEI) Act. The management plan will cover:

- The deployment of wind, wave and current measuring equipment in the form of floating-LiDAR buoys, metocean buoys and an optional wave buoy.
- The buoys will be deployed within the defined Feasibility Licence area for a period of up to two years.

Consultation information

The table below provides a summary of the proposed activities under the management plan. The attached Activity Flyer provides further information including a map of the equipment to be deployed, summarises the objectives of the proposed investigations, timeline, planning as well as our approach to consultation.

The Activity Flyer is also available on Bunbury Offshore Wind website: Bunbury Offshore Wind | EDF power solutions Australia

Activity and location summary

<table>
<tr><th colspan="2">Bunbury Offshore Wind Farm Metocean Management Plan</th></tr>
<tr><td>Activity details</td><td>The first of the site investigations under the Feasibility Licence is the deployment of floating LiDAR and metocean buoys.
These investigations provide information on how strong the wind is, as well as the wave and tide conditions. Findings from these investigations will inform the detailed design of the project, the construction methodology and understanding the viability of the project.</td></tr>
<tr><td>Feasibility Licence</td><td>FL-014 (north), FL-015 (south)
Noting that metocean investigations are proposed to take place within FL-014 only.</td></tr>
<tr><td>Location and water depth</td><td>The Bunbury Offshore Wind Project is located approximately 30 to 54 km off the southwest Western Australia (WA) coast, near the town of Bunbury. The buoys are intended to be deployed at the following locations:
<table>
<tr><th>Equipment</th><th>Coordinates</th><th>Water depth</th></tr>
<tr><td>FLS 1</td><td>-32.86°N, 115.23°E</td><td>39 – 41 m</td></tr>
<tr><td>FLS 2</td><td>-32.95°N, 115.28°E</td><td>37 – 39 m</td></tr>
<tr><td>Metocean buoy</td><td>-32.96°N, 115.15°E</td><td>42 – 44 m</td></tr>
<tr><td>Wave buoy</td><td>-32.86°N, 115.23°E</td><td>39 – 41 m</td></tr>
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Bunbury Offshore Wind Farm Metocean Management Plan	
Timing	Subject to approval by the OIR, the buoys may be deployed for a period of up to two years. Deployment of the metocean buoys is scheduled to commence in the first quarter (Q1, January to March) of 2027.
Duration	It will take approximately three to seven days to install each system pending weather conditions. With the same durations required at the end of the site investigations to decommission and remove the systems.
Infrastructure	The metocean investigation are expected to comprise of two floating LiDAR systems, one metocean buoy and one optional wave buoy.
Vessels	The deployment vessel selection is yet to be finalised; typical vessel parameters are: • Maximum speed of 9 – 3 knots • Maximum length of 21 – 81 m • Maximum gross tonnage of 134 – 341 t.
Operational Area and exclusion zones	During the surveys, a safe distance of 500 meters around operational vessels and equipment such as floating LiDAR and wave buoys is typically requested for other marine users including vessels. This is due to watch circle of the buoys at the sea surface.
Communication with mariners	At each stage of the project and for each activity, a Notice to Mariners will outline the intended safety zones, which will be confirmed during the Feasibility Licence term in consultation with stakeholders.