

DUBLIN ARRAY PROJECT UPDATE ~ NOV 2024

Project Overview

Dublin Array is a proposed offshore wind farm on the Kish and Bray Banks, approximately 10km from the coastline of Counties Dublin and Wicklow. The delivery of this key project is essential in supporting Ireland's Climate Action Plan (CAP) to deliver 80% of electricity demand from renewable sources by 2030.

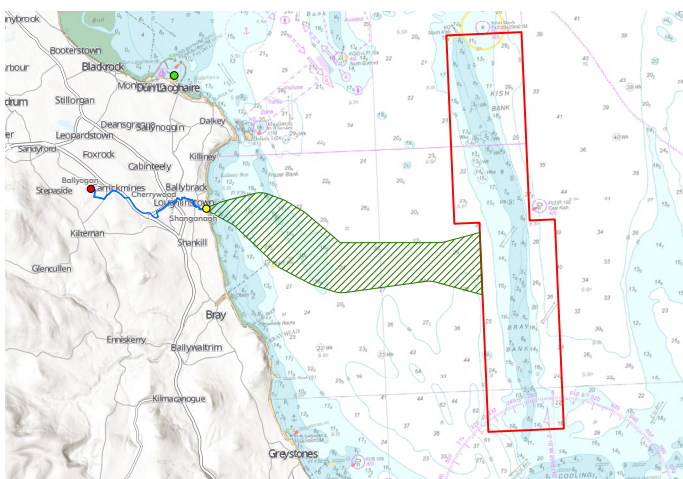
Based on conclusions from environmental and technical studies that we have undertaken, the latest expected configuration for the offshore element of the wind farm is:

- Between 39 to 50 turbines depending on the model of wind turbine selected.
- Total project capacity of up to 824 Megawatts generating electricity for an estimated 770,000 homes.
- Wind turbine tip heights of between approximately 270 metres and 310 metres.

There will be two buried submarine electricity export cables (approximately 33 cm in diameter each) which will bring the electricity from the offshore wind farm to a landfall at Shanganagh Cliffs. From the landfall the electricity will be transferred to a new onshore electricity substation (OSS) using two underground cable circuits.

The new OSS will be located in close proximity to the existing Carrickmines 220kV substation where the electricity will be connected to the national transmission system operated by EirGrid.

Dublin Array – Outline of Entire Project Area



1. A Maritime Area Consent (MAC) was awarded to Bray Offshore Wind Limited and Kish Offshore Wind Limited in relation to the proposed Dublin Array Offshore Wind Farm on 23rd December 2022.
2. A grid connection assessment was completed by EirGrid and confirmed that the point of connection for Dublin Array is to the existing Carrickmines 220kV substation.
3. Dublin Array was successful in ORESS1 in June 2023 – the first Irish offshore electricity market auction.
4. Submission of the planning consent application targeted in the near future with current expectation of consent award in 2026/27.

Dublin Array Development – Key Milestones (Completed & Pending)

Operational and Maintenance Base

The Dublin Array offshore wind farm intends to apply for planning permission for an Operations and Maintenance Base (O&M) base at Dún Laoghaire Harbour. Dublin Array is engaging closely with Dún Laoghaire-Rathdown County Council as part of their future Harbour Masterplan for Dún Laoghaire Harbour to ensure that the proposed development is consistent with the future aspirations for the harbour. Dublin Array's proposal is aimed at reinvigorating the use of St. Michael's Pier in Dún Laoghaire Harbour, by constructing a state-of-the-art purpose-built O&M base adjacent to the former Stena Line ferry terminal. This facility will act as the main base for the Dublin Array operational support team. No wind farm construction activity will take place at the proposed O&M base in Dún Laoghaire Harbour. The proposed O&M base will support around 80 full time direct jobs and 100 indirect jobs, and it will be occupied and utilised to support the operational needs of the wind farm for its full life.

Research from gov.ie, skillnetireland.ie and wei.ie has shown that O&M bases supporting offshore wind farms have considerable tangible and intrinsic benefits to the local communities they serve as referenced in this DLRCC commissioned report. O&M bases offer opportunities for the local supply chain as we have seen from our historic experiences in delivering projects in the UK and internationally. Each community is different, as is the realised benefits, however as mentioned above, increased financial benefits are tangible. Not counting the significant Community Benefit Fund which will begin to become available from the construction stage of Dublin Array, communities supporting and hosting offshore wind have benefited most from the investments made to infrastructure.

People and Skills in the Supply Chain Workshop – October 24th

Over 40 representatives from industry, government and educational institutions came together to share insights on how Ireland can better support the offshore wind supply chain.

The 'People and Skills in the Supply Chain Workshop' was held in the Royal Marine Hotel, Dún Laoghaire in October. Hosted by the Dublin Array offshore wind farm project team. It highlighted the significant opportunities that the offshore wind energy sector will bring to the supply chain in Ireland.

The workshop was opened by Minister of State at the Department of the Environment, Climate and Communications Ossian Smyth, TD, and featured presentations from RWE, Skillnet Ireland and others.

Peter Lefroy (RWE) – Head of Development UK West & Ireland,
Ossian Smyth (DLR TD) – Minister of State,
Vanessa O'Connell (RWE) – Dublin Array Project Director.

