#### **Location of Proposed Development**



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#### **Next Steps and Timelines**



Regnum

# Regnum

## **Proposed Dehomad** Wind Farm Introduction Notice, June 2025

#### Introduction

#### **Regnum Renewables Development Ltd**

Addressing climate change is a shared global responsibility Regnum Renewables Developments Ltd (Regnum) would to ensure a sustainable and habitable planet for future like to introduce ourselves and our proposed wind farm generations. The science is indisputable, and the effects of development, to be known as Dehomad Wind Farm. climate change are already clear.

This information is being circulated to you and your Ireland is committed to achieving climate neutrality by neighbours, as the proposed site boundary is within the 2050. The Climate Action and Low Carbon Development townlands of Liscasey and Dehomad. The purpose of this Act 2021 is a legislative framework in Ireland which sets a leaflet is to introduce you to the project and to encourage legally binding target of a 51% reduction in greenhouse gas open, two-way dialogue. We are committed to engaging emissions by 2030, compared to 2018 levels. with you, to ensure transparency and keep you updated on The Act establishes clear targets and commitments to the status of the project.

#### About Us

Regnum is an Irish company where respect for the land The Climate Action Plan 2025 (CAP25) focuses on and the people who live on it is always utmost in our implementing policies, measures, and actions to support design. To be truly sustainable and deliver the renewable the attainment of the 2030 and 2050 climate targets. energy innovation that our parishes, villages, towns, and Specific targets for 2030 include achieving 9,000MW from onshore wind, 8,000MW from solar, and 5,000MW cities need; we must work closely with the surrounding communities. from offshore wind energy, to raise the share of renewable electricity to 80% by 2030.

Our focus throughout the development process is to benefit local communities which host a wind farm in their area during the operational lifetime of the wind farm. Benefits come from creating new jobs, boosting the local economy, upgrading the local infrastructure and environment; and providing direct community investment.

We, at Regnum, believe in driving Ireland's energy future through our expertise in renewable technologies.

c. 36 MW A generating capacity of c. 36MW, powering up to 26,500 homes<sup>1</sup>

Up to 6 **Turbines** 

with tip heights of up to 180m

#### **Climate Action Plan 2025**

align with national, EU, and international climate goals. Electricity will play a crucial role in the decarbonisation of various sectors through electrification, such as transportation, heating, and industry.



#### **Onshore Wind in Ireland**

potentials in Europe. Wind energy is a clean energy source which does not produce greenhouse gases when generating electricity.

Onshore wind contributed a record high of 35% of total electricity generation in Ireland in 2023. It is the largest source of renewable electricity generation that we have in  $\circ$ Ireland, accounting for over 84% of renewable electricity generated in Ireland in 2023<sup>2</sup>.

By 2030, 80% of Ireland's electricity is targeted to be generated from renewable energy and onshore wind will be the largest contributor, but this requires a significant increase in the rate of deployment of onshore wind farms.

While offshore wind energy will play a significant role in the decarbonisation of the electricity market in Ireland, we remain reliant on onshore wind energy to meet the 2030 targets set out in Government's Climate Action Plan 2025.

#### Ireland's Installed Wind Capacity (GW)



For context, in Ireland, the historical average deployment of onshore wind installed capacity connected between 2008 and 2020 inclusive was ~280 MW per annum. To achieve the necessary emissions abatement, an approximate eight-times increase of renewable energy deployment to 2,300 MW annually will be needed between 2025 and " 2030 (CAP24).

According to Baringa, wind generation was able to displace a total of almost €1.2 billion worth of fossil gas and carbon in 2024<sup>3</sup>. Research published by UCC highlighted that Ireland spends about €1 million every hour importing fossil fuels, with most of this money leaving the state<sup>4</sup>.

Onshore wind plays a vital role in ensuring the affordability » and security of Ireland's electricty supply.

## **Currently:**

- 40.4% of total electricity generation from renewables<sup>2</sup> ○ c. 5.000MW of onshore ○
  - renewables wind installed (Jan 25)<sup>5</sup> wind installed
- <sup>2.</sup> SEAI Energy in Ireland Report, December 2024
- <sup>3.</sup> Baringa, WEI: Analysis of savings in gas consumption delivered by wind in 2024 <sup>4.</sup> UCC: Expensive and volatile: the problems with Ireland's energy supply
- <sup>5.</sup> https://www.eirgrid.ie/grid/system-and-renewable-data-reports

## **Identifying Suitable Sites**

Ireland has one of the best wind resources and generation Our Development Team carry out a systematic site selection process to select potential wind farm sites, overlaying constraints including:

- County Development Plan Designations,
- Residential setbacks.  $\diamond$
- $\diamond$ Wind resource,
- Environmental Designations (SPAs / SACs & NHAs)  $\diamond$
- Linear Constraints (including roads, rivers, utilities),
- $\diamond$ Telecoms,
- Land use  $\circ$

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- Distance from grid and grid capacity, 0
- Slope stability / land slide susceptibility,  $\diamond$
- Hydrology / flood plains,
- Ecology (terrestrial and ornithology),
- Landscape, topography and cumulative impact,
- Heritage Built and Natural,  $\diamond$
- $\diamond$ Transport routes,
- Aviation  $\diamond$

Once we have selected a site, we commission feasibility reports on planning, grid, preliminary wind assessment and engineering to verify our selected site meets all criteria.



## What makes Dehomad suitable for a wind farm?

- There is a strong wind resource available at the site.
- The site is designated as 'Acceptable in Principle', in the renewable energy strategy within the Clare County Development Plan.
- Mandatory setbacks from housing achievable, in line with Wind Energy Development Guidelines.
- There has been positive engagement from private landowners
- Suitable transport route to the site from Galway.
- Accessible grid route from the site.

#### **Proposed Development**

The proposed 6-turbine layout and turbine dimensions will be subject to change as the detailed environmental studies progress, which will take place in the coming months.

The project will also include access tracks, a 38kV substation and ancillary infrastructure, a temporary construction compound, a meteorological mast, underground cabling and a grid connection which links the wind farm to the national electricity grid.

#### **Project Benefits**

Potential local, regional and national benefits from this Guidelines 2019 project;

#### Locally:

- » Establishment of a Community Benefit Fund, supporting positive local initiatives, clubs and schools, with c. €3 million to be invested over the lifetime of the project,
- Substantial commercial rates paid to the Local Authority, each year,
- Up to 60 jobs supported during construction,
- Potential infrastructure improvements and upgrades, if required,
- Development contributions to be paid to the Local Authority in advance of construction as per the adopted S48 Contribution Scheme.

#### Nationally:

- » expensive fossil fuel generators from the system and replacing with cheaper renewable alternatives.
- towards energy independence for Ireland, reducing reliance on imported fossil fuels,
- Cleaner air and water quality through the offset of over policy. » 30.000 tonnes CO2eg per annum (Carbon Calculator).
- Contribution to national and regional renewable energy targets for both 2030 and 2050 targets.



## **Community Benefit Fund**

If the wind farm is granted planning permission, Regnum is committed to setting up a community benefit package to support the residents living closest to the project. We will collaborate closely with the community to customise this financial support package, placing local individuals at the forefront of decision-making regarding its implementation and impact.

This money will be used to support:

- Education initiatives. »
- Installation of solar panels and energy efficiency upgrades,
- Biodiversity and community enhancement projects to support local wellbeing,
- Local services and resources
- Local schools,
- Sports clubs.
- Tidy Towns groups,
- Community development associations.

 80% of total electricity generation from c. 9.000MW of onshore

2030 Target:

# **Draft Wind Energy**

The latest guidance for developing onshore wind farms in Ireland is the draft wind energy guidelines 2019, which we at Regnum use to develop our wind farms.

These guidelines cover the critical topics of wind farm development and provide guidance on best practice in design for Noise, Visual Impact, Shadow Flicker, Community Engagement, Grid Connections, Environmental Considerations, Archaeology, as well as processes in Construction through to Decommissioning.

#### **Environmental Impact** Assessment

Significant reduction of electricity prices by removing A significant component of the planning application for a wind farm, is a detailed Environmental Impact Assessment Report (EIAR). The EIAR will assess the site as it is currently, Increased security of energy supply and progression and investigate any elements that could be impacted by the construction or operation of the proposed wind farm. It will consider the project in the context of local and national

> The EIAR is comprised of several chapters, each covering a different topic relating to the proposed development, including:

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- Project Overview  $\diamond$
- Biodiversity  $\diamond$
- Ecology 0
- 0 Ornithology
- Geology  $\diamond$
- Traffic 0
- Construction  $\diamond$ 
  - Management Plans
- Hydrology
- Noise and Vibrations 0
- Visual Impact
- Shadow Flicker
- Air Quality
- Archaeology
- Telecommunications

#### **Project to Date**

