

Project to date

Assessments and Surveys Undertaken

Over the past 12 - 18 months, the following assessments and studies have been undertaken on site:

- Telecommunications Assessment
- Grid Route Assessment
- Turbine Delivery Route Assessment
- Anemometry and Wind Engineering Assessment
- Noise Impact Assessment
- Landscape and Visual Impact Assessment
- Geological and Hydrological Assessments
- Archaeological Impact Assessment and Geophysical Surveys
- Flood Risk Assessment
- Ecological Assessments, including:
 - ◊ Bird Surveys
 - ◊ Bat Surveys
 - ◊ Habitat Impact Assessment
 - ◊ AA Screening / NIS
 - ◊ Aquatic Surveys

Next Steps & Timelines



Regnum intend to lodge a planning application for the wind farm to Offaly County Council in December 2024



Should the project receive planning permission, a grid connection application will be made, as well as a subsequent planning application for the grid connection outlined in the connection offer



Should the project receive all required consents, an offtake contract for the electricity will be sought, in order to finance the project. This will take the form of a Renewable Energy Support Scheme (RESS) auction or a Corporate Power Purchase Agreement (CPPA)



It is expected that the duration of the construction period will be approximately 12-18 months

It is intended that the project will operate for 35 years and then be decommissioned and restored to its original state

Contact Us

Please visit our project website which we will keep updated as the project progresses:

<https://regnumrenewables.ie/projects/clonarrow-windfarm/>

If you have any feedback, comments or queries in relation to the project, please do not hesitate to contact us through our dedicated Community Liaison Officer for the project: Daragh Browne;

t: +353 87 487 6422

e: daragh@regnumrenewables.ie

Alternatively, you can email the project team at: hello@regnumrenewables.ie

Proposed Clonarrow Wind Farm

Project Update, November 2024



Project Update

November 2024

Regnum Renewables Developments Ltd (Regnum) would like to follow up on our most recent round of positive engagement in August 2024. The project was launched at the beginning of 2024 and we are now nearing our proposed planning submission date.

The purpose of this leaflet is to inform you and your neighbours of the current status of the development in the townlands of Clonarrow / Riverlyons, and the latest updates since our most recent visit.

At Regnum, we hope to maintain an open, two-way dialogue with the local community. We are committed to engaging with you, to ensure transparency and keep you informed at each stage of the project.

About Regnum

Regnum is a wholly owned Irish company where respect for the land and the people who live on it is always utmost in our approach to design. To be truly sustainable and deliver the renewable energy innovation that our parishes, villages, towns, and cities need; we must work closely with the surrounding communities.

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

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



Proposed Site Layout

Overview

The proposed site will comprise of 4 turbines, access tracks, a temporary construction compound, a 38kV substation compound, a meteorological mast, an energy storage facility and underground cabling.

There are two different turbine types included in the project. There will be 3 turbines with a rotor diameter of 150m and a tip height of 180m. The final turbine has a rotor diameter of 117m and a tip height of 150m.

Design Development

There are a number of characteristics that make the proposed site suitable for a wind farm development. The favourable designation of 'Open to Consideration', within the wind energy strategy of the Offaly County Development Plan 2021 - 2027 provided the basis for the site selection.

Other characteristics were incorporated into the design and selection of the site including:

- The strong wind resource at the site
- Achievable setbacks from housing as outlined in the Wind Energy Development Guidelines
- Accessible grid route from the site
- No ecological concerns identified
- No flooding based on historical data
- Suitable terrain, with no significant slopes or gradients

Environmental Impact Assessment Report (EIAR)

In addition to the preliminary desktop assessments, a detailed EIAR has been prepared, which will accompany the planning application. Within the EIAR, the various elements that could be impacted by the construction or operation of the wind farm are assessed. These topics include:

- Need for the Development
- Policy
- Biodiversity (containing ecology, habitat and ornithology)
- Hydrology
- Land, Soils and Geology
- Archaeological, Architectural and Cultural Heritage,
- Landscape and Visual (including shadow flicker)
- Telecommunications and Aviation
- Noise and Vibrations
- Traffic and Transportation

The assessments that feed into the EIAR were all undertaken by specialist consultants over the last 12 - 18 months. The assessments will accompany the planning application and be available for the public to view.

After completing all assessments, outlining constraints, and receiving feedback from the community and other stakeholders, the final layout was determined to be the most suitable. This layout is detailed below.

Need for the Project

Onshore Wind in Ireland

Ireland has one of the best wind resources and generation potentials in Europe. Onshore wind contributed a record high of 35% of total electricity generation in Ireland in 2023. Onshore wind was the main source of electricity generation in Ireland, generating over 43% of electricity in Q1 2024 (SEAI).

While offshore wind energy will play a significant role in Ireland, we remain reliant on onshore wind energy to meet our 2030 Climate Action Plan targets.

Project Details

Wind Energy Development Guidelines

The project has been designed in compliance with the Wind Energy Development Guidelines from 2006. However, we also have regard to the more stringent guidance outlined in the Draft Wind Energy Guidelines, 2019 when developing 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.

Turbine Delivery Route

Turbines are proposed to be delivered into Galway port in and transported via the N6 / M6, then onto the N52 at exit 5 on the M6, taking the L2025 through Ballinagar and then following the R402 through Daingean to the site.

Project Benefits

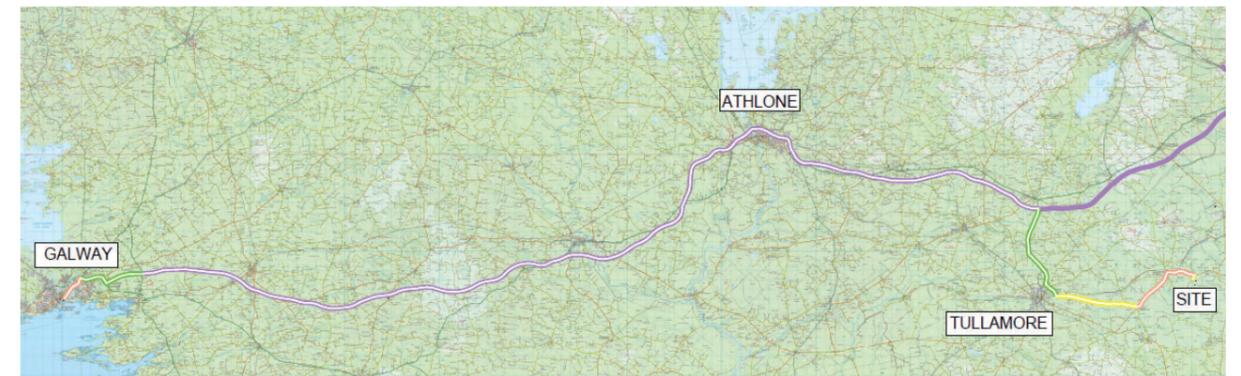
Community Benefit Fund (CBF)

When the wind farm is granted planning permission, Regnum is committed to setting up a community benefit fund 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.

If the project is successful in securing a Renewable Energy Support Scheme (RESS) Contract, €2 for each MWh exported by the wind farm will be allocated to the CBF, for the duration of the RESS Contract. It is expected that this will **exceed €1.5 million** over the lifetime of the project.

Other Project Benefits

- ◊ As part of the proposed development, there is a habitat and biodiversity enhancement plan, where areas will be preserved and existing habitats enhanced.
- ◊ The proposed development will generate enough clean electricity to **power over 13,000 homes** per annum and **avoid over 20,000 MtCO₂ per annum** from alternative forms of electricity generation.
- ◊ Supporting local employment during the construction phase of the project.
- ◊ Substantial commercial rates paid to Offaly County Council, each year.
- ◊ Development contributions to be paid to the Local Authority in advance of construction, in line with the S48 Contribution Scheme.



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