



Barnesmore Windfarm Repowering

Pre-Application Community Consultation (PACC) Report

December 2019

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Barnesmore Windfarm Repowering Pre-Application Community Consultation (PACC) Report

1 Introduction

1.1 Background to The Proposals

The Report describes the consultation requirements for the Barnesmore Windfarm Repowering (the Development), the consultation measures undertaken by ScottishPower Renewables (UK) Ltd (SPR) (the Applicant), the feedback received and any resultant modifications to the Development.

SPR recognises that it is very important to ensure that communities in the vicinity of a development are afforded appropriate and meaningful opportunities to view and comment on the proposals before they are finalised in accordance with the Code of Practice for Wind Energy Development in Ireland Guidelines for Community Engagement¹.

This report has been prepared to demonstrate how the Applicant has engaged with the local community and to ensure that the views of stakeholders are taken into account as part of the planning application process. Although community consultation on such projects is not a mandatory requirement under the Irish planning system, SPR have taken a proactive approach and consider community consultation to be an important element of the project.

2 Consultation Guidance

In December 2016, the Department of Communication, Climate Action and Environment released the aforementioned Code of Practice for Wind Energy Development in Ireland, Guidelines for Community Engagement. The key driver behind the Code of Practice was *“to ensure that wind energy development in Ireland is undertaken in observance with the best industry practices and with the full engagement of communities around the country”*.

SPR have adhered to the guidance set out in the Code of Practice during the pre-planning submission stage with the advertising and hosting of Public Information Days (PIDs) in May and October 2019.

3 Consultation Undertaken

3.1 Public Information Days (PIDs)

PIDs were undertaken in May and October 2019, to establish dialogue with the local community regarding the Development being promoted by SPR in the local area. As SPR currently owns and operates the Operational Barnesmore Windfarm, SPR wanted to maintain their commitment to working with the community and inviting responses to feed into the development process.

¹ The Department of communication, Climate Action & Environment, 21st December 2016

The events comprised a comprehensive display of the plans of the Development, via the use of information pop up banners. This afforded local residents the opportunity to ask any questions specific to the Development. The detail of the PID materials and information banner contents are provided at Sections 3.3 and 3.4 and illustrated in the referenced Appendices.

3.2 Details of any community or residents' steering group(s) established

No community or steering groups were set up or identified with a specific interest in the Development. No community groups or steering groups were formed during the PACC phase.

The established Leghowney and Barnesmore Community Groups were invited to the Stage 1 and 2 PIDs. Representatives from these Groups attended the Stage 1 PIDs at Leghowney Community Hall and the Stage 2 PIDs at Barnesmore Community Centre.

3.3 Consultation Events in Detail

As stated in Section 2, there were 2 no. stages of PIDs. The Stage 1 PIDs were held in May 2019 and the Stage 2 PIDs were held in October 2019. Representatives from the Applicant, Jennings O'Donovan & Partners Ltd. (the Planning and Environmental Consultant), and Macro Works (Landscape Architect) were available to explain the project and answer any questions relating to the Development.

The public were informed of the PIDs through a variety of methods including a leaflet drop, posters, newspapers adverts, posts on local Facebook pages and on the ScottishPower Renewables website as well as direct correspondence to relevant local stakeholders as detailed below.

Leaflets were delivered to the residences in a selected area of the locality of the Development (**Appendix 1**). This area was selected as it was considered that the residential properties within this area were more likely to be affected by the aspects of the Development. It should be noted also that the selected area was not extended to the north or the east of the site boundary as there are no dwellings located in these areas.

Leaflets were left at approximately 375 residences in the area on the 24th and 26th of April 2019 (Stage 1) and the 2nd and 4th of October 2019 (Stage 2). The leaflets provided an overview of the Development, a site location map, an overview of SPR including their activities in Ireland, an overview of community benefits and details of the dates, times and venues of the PIDs. A copy of the leaflets, which were also used as handouts at each event are contained in **Appendices 3 and 4**.

In addition to the leaflet drop, the Stage 1 PIDs were also advertised in the Donegal Democrat on the 18th and 25th April 2019 (Stage 1) and the 10th October 2019 (Stage 2). Posters were placed in local shops in Donegal Town from the 25th April 2019 (Stage 1) and the 4th October 2019 (Stage 2). Invitational Letters were sent to Lough Eske Castle, Harvey's Point, Lough Derg and Local Councillors, a note was added to the local newsletter and the events were posted on the Facebook pages of Barnesmore Community Centre and Leghowney Community Hall and on SPR's website.

A total of 18 no. people attended the PID at Leghowney Community Hall on the 1st May 2019; and 13 no. people attended the event at the Mill Park Hotel on the 2nd May 2019. As such, a total of 31 no. people attended the Stage 1 PIDs. A total of 15 no. people attended the PID at Barnesmore Community Centre on 16th October 2019; and 7 no. people attended the event at Leghowney Community Hall on 17th October 2019. As such, a total of 22 no. people attended the Stage 2 PIDs.



Figure 1: PID at Leghowney Community Hall on 1st May 2019



Figure 2: PID at Barnesmore Community Centre on 16th October 2019

3.4 Community Accessibility

The venues in Barnesmore, Leghowney and Donegal Town were chosen due to their familiarity to local people, proximity to the Development, availability of car parking and sufficient space in the halls to accommodate the information banners and attendees comfortably. Barnesmore and Leghowney are within walking distance to the nearest receptors to the site and are community orientated. In response to feedback received at the Stage 1 PID it was agreed that Barnesmore Community Centre would be a more suitable venue for the Stage 2 PID than Donegal town.

At the Stage 1 PID, there were 8 no. information banners. The banners covered details and information covering the following:

-
- SPR and the Operational Barnesmore Windfarm
 - Site Comparison – Operational vs. Repowering
 - Key FAQs
 - Development Timeline
 - Environmental Impact Assessment and Development Strategy
 - Landscape and Visual Assessment
 - Where will the repowered windfarm be visible from compared to the existing development
 - Community Benefit and Involvement

Copies of the information banners are provided at **Appendix 6**.

5 no. Panopods were also set up, providing proposed visuals of the Development from key viewpoints representative of local views. Panopods are lightboxes which encircle the viewer to replicate real life views of the Development.

- VP8 Local Road at Toughboy
- VP11 N15 Northwest of site
- VP20 Donegal Town
- VP21 N56 at Mountcharles
- VP26 Pier at Lough Derg

Other viewpoints were available in A1 hard copies. A computer was also set up using software which enabled the project team to replicate views of the Development from any given property or other location in the locality on request. As noted above, representatives from the project team were available to explain the project and answer questions. Attendees were invited to complete a feedback form giving their views (**Appendix 7**). Further details on these are contained within Section 0.

At the Stage 2 PID, there were 9 no. information banners which contained information about the following:

- SPR and the Operational Barnesmore Windfarm
- Development Overview
- Design Considerations
- Visualisations of the Development from 4 No. key viewpoints representative of local views
- Community and Social Aspects
- Economic Benefits of the Development

Copies of the information banners are provided at **Appendix 8**. As noted above, representatives from the project team were available to explain the project and answer questions. Attendees were invited to complete a feedback form giving their views.

At the Stage 2 PID a Community Benefit Suggestion Board was also set up so that attendees could freely put forward suggestions and ideas for projects/initiatives that they felt could bring benefit to their local community in the future. The idea behind this was to open dialogue, encourage the local communities to discuss their aspirations with SPR and also to allow the project team and the SPR Community Liaison team to gain an awareness of what the local communities value and would like to see added to the area. The following suggestions were shared by the attendees:

- Local band practice and set up
- Establish a local Greenway
- Support ecological initiatives
- Energy efficient heating system, new roof and improved insulation for the Barnesmore Community Centre (incl. Solar Panels)
- Resurfacing of the Clogher Walk and appropriate signage for the walk
- Establish a youth group at Barnesmore Community Centre
- Establish activity and exercise classes at Barnesmore Community Centre
- Establish a summer school in the area
- Put a community bus in place for the area
- Assist in the support of the local sports clubs
- Assist in the support of the local primary and secondary schools

- Help to make the locals more aware and educate them about the surrounding wildlife
- Improved Broadband in the area
- Contribute towards Donegal Railway Preservation society
- Contribute towards a local community board

The suggestions above, and any contained within the completed feedback forms (See Table 4.7) have been recorded by SPR and will assist in progressing with further discussions around a Community Benefit package for the Development as the project progresses through the development lifecycle.

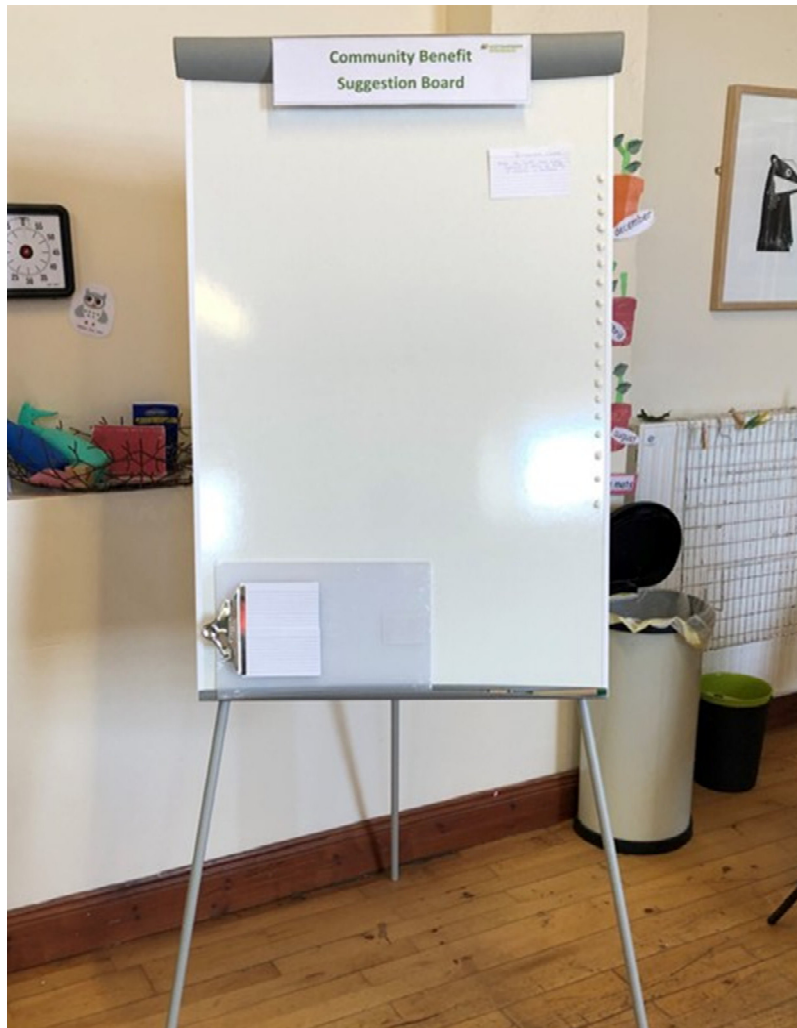


Figure 3: Community Benefit Suggestion Board

4 Comments Received

4.1 Stage 1 – May 2019 and Stage 2 – October 2019

As stated in Section 3, a total of 31 no. people attended the Stage 1 PIDs and 22 no. people attended the Stage 2 PIDs. A total of 12 no. feedback forms were completed and returned during the Stage 1 and Stage 2 PIDs. Numerous attendees engaged in discussions with the project team.

Responses to each of the questions are provided in the tables below. It should be noted that not all questions were answered in each feedback form.

Table 4.1: Which do you consider yourself to be?

Relationship to Area	No. of Attendees
Local Resident	11
Local Business	1
Community Leader	0
Elected Attendee	0
A Local Council Representative	0
Other	0

It is noted that most of the attendees live in close proximity to the events with less coming from further afield. All of the attendees that completed forms were either local residents or business owners.

Table 4.2: Were you satisfied with the information provided today?

Opinion on Exhibition	No. of Attendees
Yes (If yes, what did you like?)	12
No (If no, what could we improve?)	0

Of the 12 no. people that responded to this question, all (100%) were satisfied with the information that was presented during the event.

Table 4.3: How did you find out about this event?

Where Advertised	No. of Attendees
Leaflet	5
Poster	0
Newspaper Advert	4
Community Group	1 – Leghowney 1 – Barnesmore
Word of Mouth	1
SPR Website	
Other	

The most effective forms of communication were the leaflet drop and newspaper advertisement. The range of answers to this question indicates that advertising of the PIDs in the local area was effective.

Table 4.4: Are you supportive of the existing Barnesmore Windfarm?

Support the Development	No. of Attendees
Yes	9
No	0
Unsure	3

There was strong support for the existing windfarm with 9 no. of 12 no. (75%) responses supportive of the windfarm. No objections to the existing windfarm were raised.

Table 4.5: Do you think it is a good idea to increase the production of green energy from the existing Barnesmore windfarm by repowering?

Support Repowering	No. of Attendees
Yes	12
No	0
Unsure	0

Of the 12 no people that responded to this question, 12 no. people (100%) supported the principle of repowering Barnesmore Windfarm.

Table 4.6: Do you think it is a good idea to incorporate energy storage capability (batteries) in to the repowered Barnesmore Windfarm?

Good Idea	No. of Attendees
Yes	8
No	0
Unsure	3

Of the 11 no people that responded to this question, 8 no. people (70%) supported the principle of incorporating energy storage in to the repowered Barnesmore Windfarm. 3 no. individuals were 'unsure' about the principle of energy storage.

Table 4.7: Do you have any other comments for us to consider?

Comment	Response / Action Taken
If the repowering comes under the new RESS, it will be interesting to see: 1. How local residents respond to the opportunity to invest in the scheme; and 2. Just how the community benefit e.g. €2/kWh of electricity produced per annum will be arranged. Interested to watch how developments proceed overall.	SPR will continue to engage with the local community during the Planning and pre-decommissioning and construction phases and will advise of the community benefit package once confirmed.
If there is some way of providing broadband and Wi-Fi reception for the area.	SPR will consider this matter as part of their community benefits package.
Local community to be addressed.	SPR have engaged with the local community during the pre-planning submission phase and will continue to do so during the Planning and pre-decommissioning and construction phases.
To make sure road traffic and disturbance is kept to a minimum.	SPR will ensure that a suitable Traffic Management Plan, in consultation with the local residents and Donegal County Council, is put in place to the appointed contractor for the initial decommissioning and construction phase of the Development.
Should consider nearest houses to farm. What benefit to area surrounding.	A detailed house survey has been completed in the locality of the Development and these have been considered in the Environmental Impact Assessment. Noise and shadow flicker assessments have been completed in Chapters 10 and 12 of the EIAR. Along with these assessments, a Residential Visual Amenity Assessment has been completed for all properties within 3 km of the Development. No significant effects have been predicted. SPR will establish a community benefit package for the surrounding area.

In addition to the comments on the feedback forms, in the space provided below questions 4-6, a small number of individual comments were provided supporting the environmental and social benefits that the Development would deliver. These comments are provided below from both Stage 1 and Stage 2 PID:

Q4. Funding for local groups.

Q4. Community help.

Q4. I always like the concept of wind energy.

Q4. Brings renewable energy employment close.

Q4. Already up and running.

Q4. What benefits to community.

Q4. Because of increased efficiency.

Q5. Reduction of number of turbines.

Q5. We need to better our carbon footprint.

Q5. Why not?

Q5. More productive, less turbines.

Q5. Technology may be better.

Q6. But same as batteries.

Q6. Probably a more modern idea.

Q6. Yes, to improve productivity, less constraint.

5 Response to Consultation

5.1 How comments have been considered in the Development design

The project team has carefully considered all comments raised during the consultation process. SPR is the current owner and operator of the Operational Barnesmore Windfarm and has a long-standing relationship with the local communities. This was highlighted in the positive discussions, comments and interest received throughout the pre-planning phase, including the PIDs.

SPR have reviewed all of the interactions, comments and feedback received during the pre-planning phase. As a result of this review, SPR have identified four key themes within the consultation. These themes and SPR's response / action taken are presented in Table 5.1.

Table 5.1: Key themes within consultation

Comment	Response/Action Taken
Initial Decommissioning and Construction phase Traffic Disruption to the local road network	SPR have extensive experience of working with local residents to minimise disturbance during construction of developments and will produce a Traffic Management Plan in consultation with Statutory Consultees and the local community. SPR will also seek to utilise construction material from local sources where possible, minimising transportation impacts and providing a local economic benefit. Chapter 14: Traffic and Transportation of the EIAR contains a detailed assessment of the Traffic and Transportation associated with the Development from initial decommissioning through to operation of the Development. The selected delivery routes are proven for wind farm construction/component delivery.
Community Benefit	If consented, it is proposed that the Development will offer an associated community benefit package. SPR have recorded the suggestions made by the attendees at the PIDs in terms of the community aspirations and what benefits could be delivered. As detailed above, SPR will continue to liaise with the communities throughout the planning phase and beyond.
Noise from the Development	SPR have engaged a specialist Noise consultant to complete a background noise survey and complete an assessment of the predicted noise levels from the Development. The assessment has found that the predicted noise levels are considered acceptable within the terms of the noise assessment guidelines. A comparison of available noise data carried out by the specialist noise consultant found that the noise levels from the proposed 13 turbine windfarm development will give lower noise levels than that given by the existing 25 turbine windfarm.
Public Access	The sensitive peatland habitat within and around the Operational Barnesmore Windfarm is subject to legal protection through environmental designation. There may be circumstances where certain individuals have legal rights of turbary which permit them to cut peat by hand from existing banks within the Site for their own domestic use. SPR are keen to continue to work with individuals evidencing such turbary rights to ensure those rights are respected. SPR also encourage the local community to utilise the existing windfarm access tracks for recreational walking and this will continue to be the case with the repowered development.

6 Conclusion

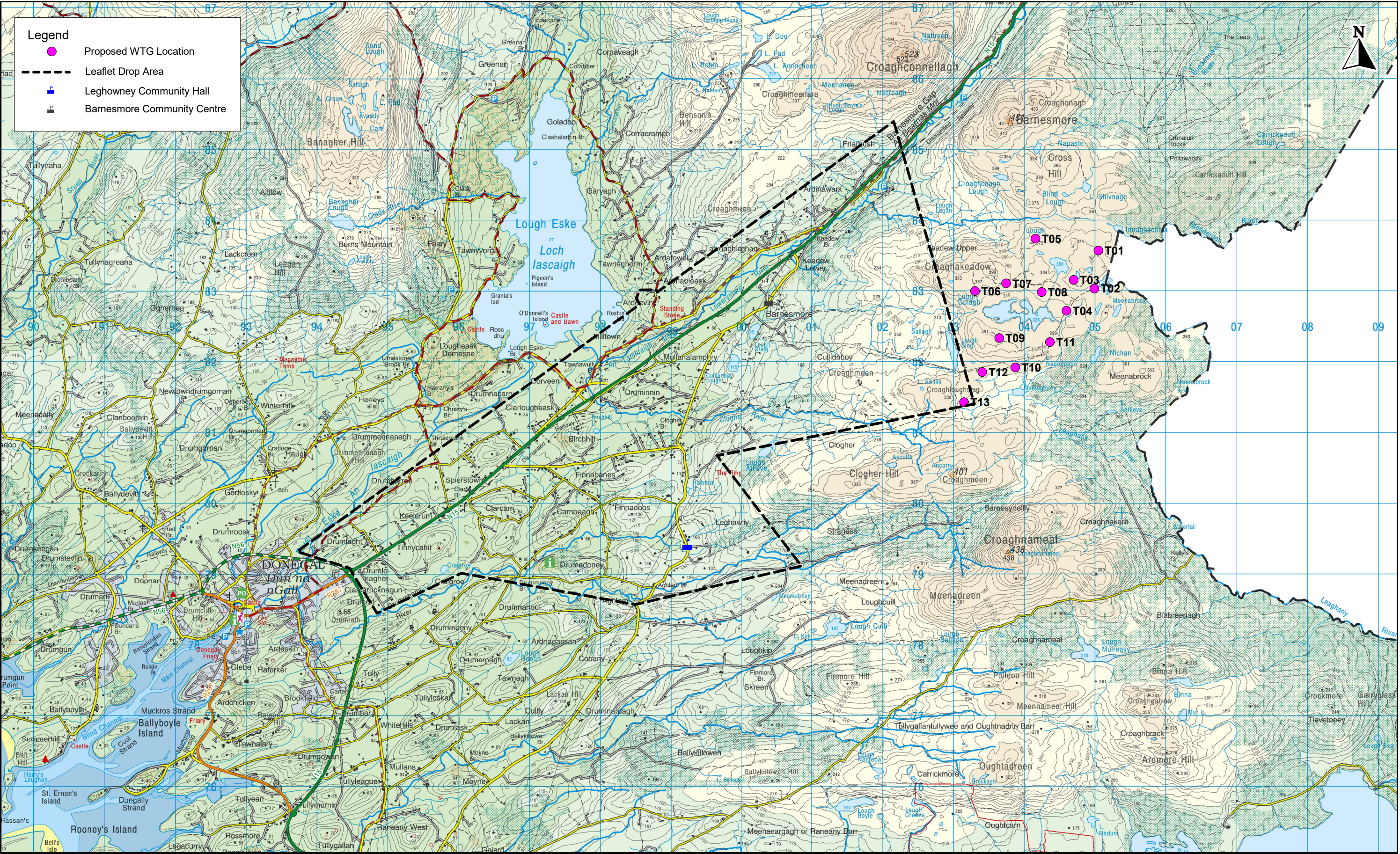
In accordance with Industry Good Practice and the '*Code of Practice for Wind Energy Development in Ireland, Guidelines for Community Engagement*', SPR has undertaken extensive consultation and this has been documented and reported in this PACC report.

The PACC process was focussed around 2 no. stages of public consultation held in May 2019 and October 2019. A total of 12 no. feedback submissions were made following the PIDs. 100% of people that responded supported the principle of repowering the existing Barnesmore Windfarm. The completed feedback forms identified no objections to the Development, however four key themes were identified as a result of the consultation, including concern around traffic and transport impacts during the initial decommissioning and construction phase and interest in any community benefit package. The consultation process also highlighted overwhelming support for the existing windfarm as well as clear support for the use of energy storage as part of the Development.

In response to the comments expressed by attendees, each of these have been addressed and comments made within this PACC. The design and EIA processes have also responded to and taken account of a number of the comments made, particularly with regards to the traffic matters.

An explanation of the key design principles and concepts that further informed the Development design process are also covered within **Chapter 2: Development Description** of the Environmental Impact Assessment Report (EIAR).

Appendix 1 – Map Identifying Leaflet Drop Area



Rev	Date	By	Comment

1: 50,000 Scale @ A3
Ordnance Survey Ireland Licence No. EN 0002619 Copyright Ordnance Survey Ireland / Government of Ireland

Barnesmore Windfarm Repowering
Leaflet Drop Area
Figure PACC - 1

Drg No	Figure PACC - 1
Rev	-
Date	04/12/19
Figure	PACC - 1
Datum:	TM65
Projection:	TM

Appendix 2 – Stage 1 Public Information Day Newspaper Advertisement

PUBLIC NOTICES



Comhairle Contae
Dhún na nGall
Donegal County Council

SCÉIM DHEONTAIS EALAÍNE 2019
(Deontaisí fá théarmaí An tAchta Ealaíon 2003)

Is féidir tacaíocht a fháil ó Chomhairle Contae Dhún na nGall tríd an Scéim seo le haghaidh toghraí is ghníomharthaí a chuireann go mór le chothú na nEalaín sa chontae. Cuirfear tacaíocht teoranta ar fáil i dtaobh cleachtadh agus cothú na foirmeacha ealaíne seo a leanas -

Drámaíocht, Fís Ealaíon, Ceol (gach uile cineál), Rince, Ealaín Traidisiúnta, Litríocht, Scannánaíocht, Na Meáin Digiteach, Pobailealaín, Ealaín ó Ealaíontóirí nó Pobail de bhunadh Cine Mhionlaigh, Óg Ealaín, Ealaín san Oideachais.

Tá Foirmeacha Iarratais ar fáil anois ón Suíomh Idirlín www.donegalcoco.ie nó ó
‘Scéim Dheontais Ealaíne 2019’, Comhairle Contae Dhún na nGall, f/c Leabharlann an Chontae, Rosemount, Leitir Ceanáin, Contae Dhún na nGall. Teil: 074 9153900
E: traolach@donegalcoco.ie
‘Sé an Dáta Dheiridh le haghaidh Iarrataisí Comhlíonta ná **4.30pm ar An Aoine, 10ú Bealtaine, 2019.**

SCHEME OF ARTS GRANTS 2019
(Grants under The Arts Act 2003)

Limited financial assistance is available from Donegal County Council for the Promotion of Arts Activities in the County. Projects in the following artforms will be eligible for support -
Theatre, Visual Art, Music (all forms), Dance, Traditional Arts, Literature, Film, Digital Media, Community Arts, Arts by Minority Ethnic Artists and Communities, Youth Arts and Arts Education.
Particulars of the Scheme and Application Forms in English and as Gaeilge, are now available from the Donegal County Council website www.donegalcoco.ie or from
Arts Grants Scheme 2019, Donegal County Council Arts Service, c/o Donegal County Library, Rosemount, Letterkenny, Co. Donegal. T: 074 9153900
E: traolach@donegalcoco.ie
The Latest Date for the receipt of Completed Applications is **4.30pm on Friday, May 10, 2019.**

DRIVERS TRANSPORT & LOGIST

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Barnesmore Windfarm
Repowering
Public Information Days

ScottishPower Renewables is investigating the possibility of repowering the existing Barnesmore Windfarm, located in Co. Donegal. As part of this process, ScottishPower Renewables is hosting two Public Information Days. The purpose of these events is for you to learn about the potential development and to meet members of the project team.

The Public Information Days will be held at the following times and locations:

Wednesday 1st May
2.00 pm until 8.30 pm
Leghowney Community Hall,
Leghowney, Co. Donegal.

Thursday 2nd May
2.00 pm until 8.30 pm
Mill Park Hotel,
The Mullins, Mullans,
Donegal, F94 HD99.

[@SPRenewables](http://www.scottishpowerrenewables.com)



LEISURE TRAVEL & TOURISM



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Part-time, 2-3 days per week
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in a similar role

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diceys@eircom.net or
drop in to Dicey's.

FARM SHOPS

POULTRY

FRIDAY 26th April

Ballyshannon	Yard
12:30pm	
Donegal Mart	1:30pm
Stranorlor Mart	3:00pm
Bonagee Mart	4:00pm
Creelough	5:00pm
Milford Mart	6:00pm

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Please contact us on (01) 4965199 or email your CV to interviewer@nurseoncall.ie to arrange an interview for the following dates outlined below

INTERVIEW TIMES & DATES**

Castlebar: Breaffy House Resort, Thursday 09th May from 10am until 3.30pm

Galway: Gray Office Park, Tuesday 07th May from 10am until 3.30pm

Sligo: Clayton Hotel, Wednesday 01st May from 10am until 3.30pm

Letterkenny: Radisson Hotel, Thursday 2nd and Wednesday 15th May from 10am until 3.30pm

Ballinasloe: Shearwater Hotel, Tuesday 28th May 10am until 3.30pm

For more Check out our website - www.nurseoncall.ie




Creevy & District Community Development Co-operative Society Ltd

Wish to recruit a

Temporary Clerical position available

Part-time (19 ½ hours)

During office hours – temporary cover (to start next week 29th April if possible)

Send your cv to: Manager, Creevy Co-op Ltd, Creevy, Ballyshannon, Co Donegal

Tel: 071 98 52896

Email: info@creevyexperience.com

Closing date Saturday 27th April 2019 at 5pm

Gaelscoil na gCeithre Máistrí Notice to Building Contractors

Tenders are invited from Building Contractors for: Emergency minor roof works and repair works together with associated minor interior electrical and ceiling repair works, to existing prefabricated classrooms at Gaelscoil na gCeithre Máistrí, Brookfield, Donegal, Co. Donegal.

Tender documents shall comprise of drawings and specification. These are available until Thursday 02nd May 2019 and may be obtained from the Architects: Rhatigan & Company Architects, Block A, City Gate, Sligo, Co. Sligo. Telephone: (071) 91 42213

The lowest tender may not necessarily be accepted. Tenderers are required to read the Department of Education and Skills Contractor Suitability Declaration for Small Works carefully and to ensure that they meet the minimum standards stated therein. All tenderers will be required to demonstrate and provide evidence of Health & Safety Competence, Insurance and Tax Clearance Compliance.

Tenders to be returned to:
The Chairperson, Gaelscoil na gCeithre Máistrí Board of Management, Brookfield, Donegal, Co. Donegal
before 12 noon on Thursday 9th of May 2019

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PUBLIC NOTICES

Barnesmore Windfarm Repowering

Public Information Days

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Mill Park Hotel,
The Mullins, Mullans,
Donegal, F94 HD99.



RECRUITMENT FAIR

Jacksons Hotel

BALLYBOFEY | Monday 29th April

Do you have a passion for working with older and disabled people and want to make a difference?

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10.30am until 2pm

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PLANNING NOTICES

NOTICE TO DONEGAL COUNTY COUNCIL

DROMORE,
KILLYGORDON,
CO. DONEGAL.

Aurivo Co-operative Society Limited make application to Donegal County Council for planning permission for development at existing Dairy Facility at Crossroads Killygordon. The Development will consist of the following:

1. Enclosure to ground floor intake area under existing silo platform as previously approved under ref. nos. 17/50627 & 17/51974
2. Construction of new 2.4m high security fence to perimeter of existing site.

The application relates to a development which is for an activity requiring an Industrial Emissions Licence. The Planning Application may be inspected or purchased at a fee not exceeding the reasonable cost of making a copy at the offices of the planning authority during its public opening hours.

A submission or observation in relation to the application may be made in writing to the planning authority on payment of the prescribed fee, €20.00, within the period of five weeks beginning on the date of receipt by the authority of the application, and such submissions or observations will be considered by the planning authority in making a decision on the application. The planning authority may grant permission subject to or without conditions or may refuse to grant permission.

Appendix 3 - Stage 1 Invitation to Public Information Day (poster & leaflet)

Barnesmore Windfarm Repowering Public Information Days



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2.00pm until 8.30pm
Leghowney Community Hall,
Leghowney, Co. Donegal

Thursday 2nd May
2.00pm until 8.30pm
Mill Park Hotel,
The Mullins, Mullans, Donegal, F94 HD99

Why are we contacting you?

ScottishPower Renewables has identified the opportunity to re-develop the existing Barnesmore Windfarm which is located approximately 10km north of Donegal Town, Co. Donegal. We are seeking to reuse the existing site and 'repower' or 'replace' the existing 25 turbines with fewer, larger, more efficient turbines. We are currently in the early stages of development and would like to invite you to attend one of our public information days to introduce our proposals to you and your community.

The project team will be on hand to discuss the project and answer any questions you may have about the proposals. Early consultation plays an important role in the way we develop our windfarms and we look forward to hearing your views to help shape how the repowering of Barnesmore Windfarm progresses.

As one of the first windfarms in Ireland, Barnesmore has made a pioneering contribution to Ireland's Renewable Energy targets and low carbon objectives. Repowering the windfarm will substantially increase the generating capacity and output. It also affords the opportunity to deploy energy storage technology and also share the benefits with the local community through the establishment of a community benefit package.

Repower development process

We are in the early stages of environmental assessment and will follow a thorough development process including undertaking detailed environmental and technical surveys.

We will present the findings of our survey work with our application for planning consent, which we hope to submit this year. Your feedback will continue to play an important role as we move towards finalising our application and we will visit the community again to update you on the project as we progress.

Location





ScottishPower Renewables (SPR)

SPR is part of the ScottishPower group of companies operating in the UK under the Iberdrola Group, one of the world's largest integrated utility companies and a world leader in wind energy. ScottishPower now only produces 100% green electricity – focusing on wind energy, smart grids and driving the change to a cleaner, electric future. The company is investing over £4m every working day in 2019 to make this happen and is committed to speeding up the transition to cleaner electric transport, improving air quality and over time, driving down bills to deliver a better future, quicker for everyone.

SPR is at the forefront of the development of the renewables industry through pioneering ideas, forward thinking and outstanding innovation. Its ambitious growth plans include expansion of its existing onshore wind portfolio, investment in new large scale solar deployment and innovative grid storage systems including batteries.

Through the operation of Barnesmore Windfarm, SPR has been a neighbour in the area for over 20 years and the repowering project gives us the opportunity to integrate and contribute more to the local community.

SPR and Ireland

SPR has a long-standing commitment to the island of Ireland, operating five onshore windfarms. Barnesmore was one of the first sites in the company portfolio and has been operating successfully for over 20 years. We have also made major investments in key projects at Irish ports in support of our offshore developments.

Powering your community

SPR is committed to being a responsible developer of renewable energy and we strive to be good neighbours in all areas of our work. We encourage as many people as possible to get involved in and to learn more about our projects, maximising the local economic and social benefits our developments can create, and we will continue to engage local communities, stakeholders and council. In recent years SPR has voluntarily provided community benefit packages on all new development projects to enable the local communities hosting a windfarm to share in the benefits. If consented, it is proposed that the Repowering of Barnesmore Windfarm will offer a community benefit package.

SPR's operational windfarms have to date contributed more than £29 million of support towards community initiatives with the preferred approach to empower local communities to determine how the

fund is used to the greatest benefit locally. This has resulted in a wide range of initiatives being delivered; including improving local amenities including town halls and local youth clubs, to supporting work experience places, educational workshops. SPR would welcome contact from local community groups interested in registering to be part of community benefit discussions.

As Ireland's cheapest source of new energy, onshore wind contributes to reducing energy imports and electricity bills. A comprehensive analysis of the Irish electricity market by independent energy experts Baringa estimated that wind energy reduced power prices by a total of €2.4 billion since 2000.

Do you know? Repowering an existing windfarm site involves the removal of existing wind turbines and replacing them with new turbines, increasing the overall generating capacity and output, whilst generally reducing the number of turbines on the Site. Reusing the site with larger, modern turbines of greater capacity, capable of producing more energy, maximises the benefits without the need to develop a new site.

Smarter Grid? As well as repowering the existing site with new turbines, SPR is investigating the potential to co-locate energy storage technology on the site. The benefits of energy storage are:

- Helping to stabilise the grid network by storing and redistributing energy quickly, in response to when that energy is needed;
- Enabling grid networks to be more resilient, efficient, and cleaner than ever before by supporting the greater integration of renewable energy generation; and
- Maintaining availability during emergencies like power outages from storms, or equipment failures.

Further Opportunities? SPR has employed and continues to employ the services of numerous local companies who are contributing to the operation and maintenance of the existing site.

During the proposed construction and operational phases of a repowering project, there will be a further requirement for a wide range of services and possible job opportunities such as service and maintenance of turbines and operational buildings, waste management and grounds and roads maintenance. We are committed to working with local companies in the procurement of these.

SPR has already engaged a number of local environmental and planning specialists in support of undertaking the environmental assessment work on the project, and ahead of any construction phase would typically hold 'Meet the Contractor Days' whereby local firms are invited to meet the SPR project team and lead contractors, and discuss opportunities to tender for work on the project. We have previously appointed companies such as Roadbridge Ltd to lead as Balance of Plant contractors on a number of our onshore windfarm construction sites throughout the UK, with a significant proportion of their workforce being sourced from Ireland.



Contact Us

Write to us:

Barnesmore Windfarm Repowering Project Team, ScottishPower Renewables, ScottishPower House, 9th Floor, 320 St Vincent Street, Glasgow, G2 5AD

Email us:

barnesmorewindfarmrepower@scottishpower.com

Visit us online:

www.scottishpowerrenewables.com | @SPRenewables

Appendix 4 – Stage 2 Public Information Day Newspaper Advertisement

Classifieds

Call: 074 97 40160

Barnesmore Windfarm Repowering

Public Information Days

ScottishPower Renewables is proposing to repower the existing Barnesmore Windfarm, located in Co. Donegal. As part of this process, ScottishPower Renewables is hosting two Public Information Days. The purpose of these events is to inform the local community about the development and give the opportunity to meet the project team.

The Public Information Days will be held at the following times and locations:

Wednesday 16th October
4.00 pm until 8.00 pm
Barnesmore Community Centre,
Barnesmore, Co. Donegal.

Thursday 17th October
11.00 am until 5.00 pm
Leghowney Community Hall,
Leghowney, Co. Donegal.

www.scottishpowerrenewables.com
@SPRenewables



Due to an increase in rental activities on our range of products, Mantis Cranes are seeking to strengthen our support structure to both our existing and new customer base, we are recruiting for the following roles:

SERVICE ENGINEER

As a service engineer and following training, you will be working both at the companies base in Killygordon and also on customers sites as required.

Role:

- Work as part of a team within our workshop to both service and assemble cranes as required
 - Erect and dismantle our range of cranes on construction sites across Ireland
 - Carry out scheduled and unscheduled maintenance when and as required

Requirements:

- 2 years' experience in a mechanical/electrical or fitter's role. Desired but not essential
 - Mechanically minded
 - Must be capable of working at heights
 - Must be able to work well within a team

The successful candidate must be flexible in their approach and prepared to travel when required. Specific training related to our products will be given. While meeting the above criteria is an advantage the company may consider candidates with less experience or someone who wishes to peruse a career as a service engineer within the crane industry.

METAL FABRICATOR/WELDER

As a metal fabricator/welder, you will be based in our manufacturing facility.

Role:

- Work as part of a team within our workshop
- Read and interpret technical drawings to produce steel components
 - Take measurements to ensure accuracy
- Ensure components are as per the specification required

Requirements:

- Minimum of 1 year fabrication experience
- Must be able to read and interpret technical drawings
- Must be able to work well within a team

Please apply with your CV to jobs@mantiscranes.ie
Closing date for applications **28th October 2019**

Contact
074 9740160

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Appendix 5 – Stage 2 Invitation to Public Consultation Event (poster & leaflet)

Barnesmore Windfarm Repowering Public Information Days



Wednesday 16th October
4.00 pm until 8.00 pm
Barnesmore Community Centre, Barnesmore

Thursday 17th October
11.00 am until 5.00 pm
Leghowney Community Hall, Leghowney

Why are we contacting you?

ScottishPower Renewables (SPR) has owned and operated Barnesmore Windfarm since 1997. The site has made a pioneering contribution to Ireland's Renewable Energy targets and low carbon objectives.

We are seeking to secure and build on this contribution and propose to 'repower' the Site; removing the existing 25 turbines and replacing these with 13, larger, more efficient, modern turbines and co-located energy storage. Since the initial Public Information Days (PIDs) held in May 2019, we have been conducting significant work on the Development. At our second round of PIDs in October 2019, you have the opportunity to:

- See how the Development has progressed since May 2019
- Understand the guiding design principles of the project
- Have an overview of the environmental and technical work undertaken
- Openly discuss the Development with the Project Team; and
- See the economic benefits of the proposal and engage with the community benefit opportunities.

We currently anticipate submitting the application for planning consent to An Bord Pleanála as a Strategic Infrastructure Development (SID) by the end of 2019.

ScottishPower Renewables (SPR)

ScottishPower Renewables is part of the ScottishPower group of companies operating in the UK. ScottishPower is part of the Iberdrola Group, one of the world's largest integrated utility companies and a world leader in wind energy.

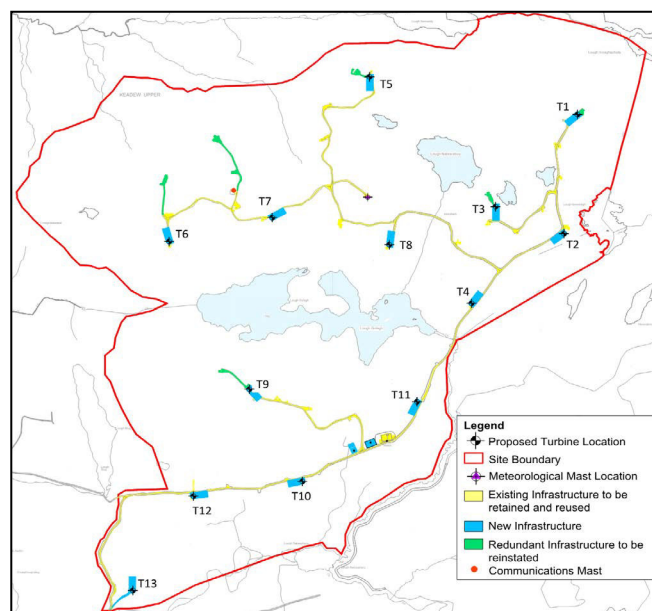
ScottishPower only produce 100% green electricity - focussing on wind energy, smart grids and driving the change to a cleaner, electric future. The company is investing the equivalent of over €7m every working day to make this happen and is committed to speeding up the transition to cleaner electric transport, improving air quality and over time, driving down bills to deliver a better future, quicker for everyone.

Iberdrola has recently entered into the Republic of Ireland domestic energy market with Iberdrola Ireland. Customers are now able to sign up to 100% green electricity tariffs.

SPR is responsible for progressing onshore renewable projects in Ireland and the UK, and offshore windfarms throughout the world, with responsibility for managing project development, construction and operation. We are at the forefront of the renewables industry, through pioneering ideas, forward thinking, and outstanding innovation which in turn drives economic success.

Site Layout

The final layout below has sought to maximise renewable energy generation from the site, whilst still minimising any resulting environmental effects. It also shows the extent of infrastructure being reused.



Barnesmore Windfarm Repowering key facts

	Existing Site	Repowered Site
Number of Turbines	25	13
Tip Height (metres)	61 m	Up to 180 m
Turbine Power (MW)	0.6 MW	Approx. 5 MW
Site Capacity (MW)	15 MW	Approx. 65 MW
Energy Storage	No	Yes, up to 15 MW

* Final turbine choice will be made prior to construction

Key Design Considerations

One of the key principles of the design process was to reuse as much of the existing infrastructure on the Site as possible. This helps to minimise any effects upon the sensitive peatland habitats. Where this is not possible, any new infrastructure is carefully located to avoid the most sensitive areas. Additional design considerations include the sensitivity of peatland habitat on Site, proximity to residential properties, ground stability, landscape sensitivities and the presence of protected species. Further details on these, and other considerations will be available at our PIDs.

SPR and Ireland

SPR has a long-standing commitment to the island of Ireland, operating five onshore windfarms. Barnesmore was one of the first sites in the company portfolio and has been operating successfully for over 20 years. We have also made major investments in key projects at Irish ports in support of our offshore developments.

Powering your community

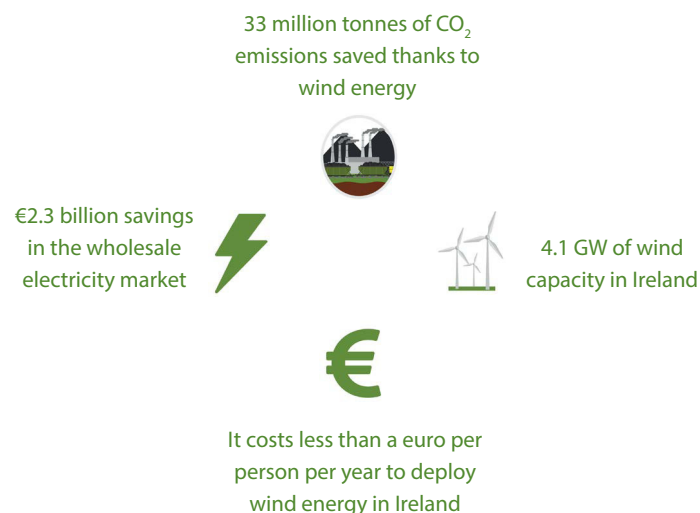
SPR is committed to being a responsible developer and operator of renewable energy and we strive to be good neighbours in all areas of our work. We encourage as many people as possible to get involved and to learn more about our projects, maximising the local economic and social benefits our developments can create as we continue to engage local communities, stakeholders and councils.

In recent years, SPR has voluntarily provided a package of community benefit on all new development projects to enable the local communities hosting a windfarm to share in the benefits of their local wind resource. If consented, it is proposed that the Barnesmore Windfarm Repowering will offer an associated community benefit package and we are interested in hearing about the communities' aspirations and what benefits could be delivered. SPR operational windfarms have, to date, contributed the equivalent of €34 million of support towards community initiatives close to our windfarms.

SPR's preferred approach is to empower local communities to determine how the fund is used to the greatest benefit locally. This has resulted in a wide range of initiatives being delivered; from contributing towards the purchase and creation of a playpark in a rural village and to the costs of local community minibuses assisting low mobility local residents access local amenities, to supporting work experience places, educational workshops and much more. We want to hear what kind of benefits you would most like to see in your community?

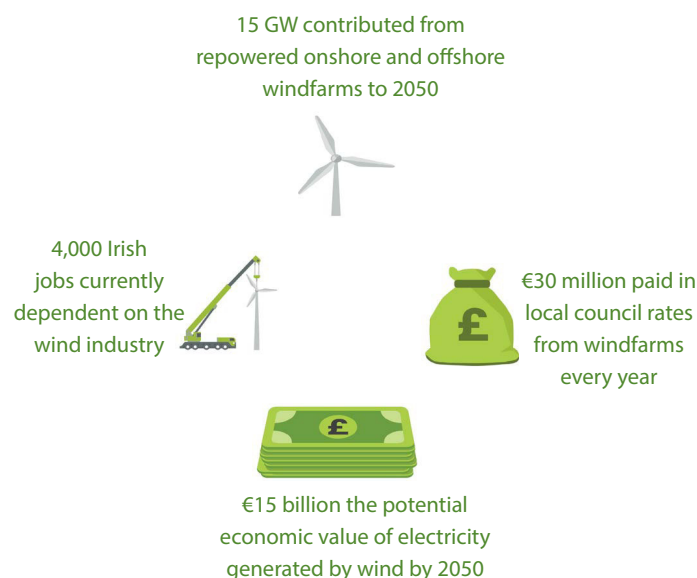
Onshore Wind in Ireland

Onshore wind is Ireland's cheapest source of new energy generation and contributes to reducing energy imports and electricity bills.



Source: Baringa Cost-benefit analysis of wind energy in Ireland 2000 - 2020

Onshore wind is already an established industry in Ireland offering opportunities in a number of areas.



Source: Baringa Cost-benefit analysis of wind energy in Ireland 2000 - 2020

During the many years of operation of Barnesmore Windfarm, SPR has employed the services of numerous local companies who support the operation and maintenance of the Site, and the repowering will provide further opportunities for local companies to tender for work on the project, with 'meet the developer days' to introduce local suppliers to the project team.

Contact Us

Write to us:

Barnesmore Windfarm Repowering Project Team, ScottishPower Renewables, ScottishPower House, 9th Floor, 320 St Vincent Street, Glasgow, G2 5AD

Email us:

barnesmorewindfarmrepower@scottishpower.com

Visit us online:

www.scottishpowerrenewables.com | @SPRenewables

Appendix 6 – Public Information Day

Stage 1 – Information Banners

Barnesmore Windfarm Repowering

Welcome

ScottishPower Renewables (SPR) has owned and operated Barnesmore Windfarm since 1997. The site consists of 25 x 600 kilowatt (kW) wind turbines producing up to 15 megawatts (MW) of clean renewable power.

The windfarm has been operating for over 20 years, and SPR is now investigating the possibility to 'repower' the site with larger, more efficient modern wind turbines. SPR has commissioned extensive environmental survey and monitoring work to assess the feasibility of repowering the site, which would involve the removal of existing wind turbines and replacing them with fewer, larger turbines.

Barnesmore, as one of the first windfarms in Ireland has made a pioneering contribution to Ireland's Renewable Energy targets and low carbon objectives. By repowering the site SPR will be able to substantially increase the overall generating capacity of the site while reducing the number of turbines. It also affords the opportunity to deploy energy storage technology and share the benefits of the development with the local community through a community benefit package.

In addition to the environmental survey work required for the project, as a responsible developer, SPR believes in open and early consultation with local communities. We are hosting this event to provide information on the progress so far and to seek your feedback on the current proposals.

Staff members from our Development and Community Liaison teams are on hand today to answer any queries you may have or to discuss any aspects of building and operating windfarms that may interest you.

ScottishPower Renewables

SPR is part of the Iberdrola Group, one of the world's largest integrated utility companies and a world leader in wind energy. Scottishpower now only produce 100% green electricity - our focus is on wind energy, smart grids and driving the change to a cleaner, electric future and we're investing over £4m every working day to make this happen. We are committed to speeding up the transition to cleaner electric transport, improving air quality and over time, driving down bills. To deliver a better future, quicker for everyone. SPR is responsible for progressing onshore renewable projects in the UK and Ireland, and offshore windfarms throughout the world, with responsibility for managing project development, construction and operation.

We are at the forefront of the renewables industry, through pioneering ideas, forward thinking, and outstanding innovation which in turn drives economic success. Through the operation of Barnesmore Windfarm, SPR has been a neighbour in the community for over 20 years.



www.scottishpowerrenewables.com
[@SPRenewables](https://twitter.com/SPRenewables)

Barnesmore Windfarm Repowering

Site Comparison

The existing turbines at Barnesmore Windfarm are more than 20 years old, and whilst they currently perform well and have planning permission in perpetuity, newer, more powerful, efficient, modern generation and energy storage technology are available.

This means we have the opportunity to reuse the site, maximising the benefits without the need to develop a new greenfield site.

A single, modern onshore wind turbine can have the capacity of eight of the existing operational turbines. Technology advancements over the years include using longer blades to capture more wind at greater heights, where wind speeds are faster.

Improvements in aerodynamics, electrical and mechanical systems have also increased efficiency.

All of these factors combine to lower the costs of renewable energy making onshore wind the cheapest form of new energy generation available in Ireland.

This mean lots more clean, green energy!

Site Location



Tell us what you think.

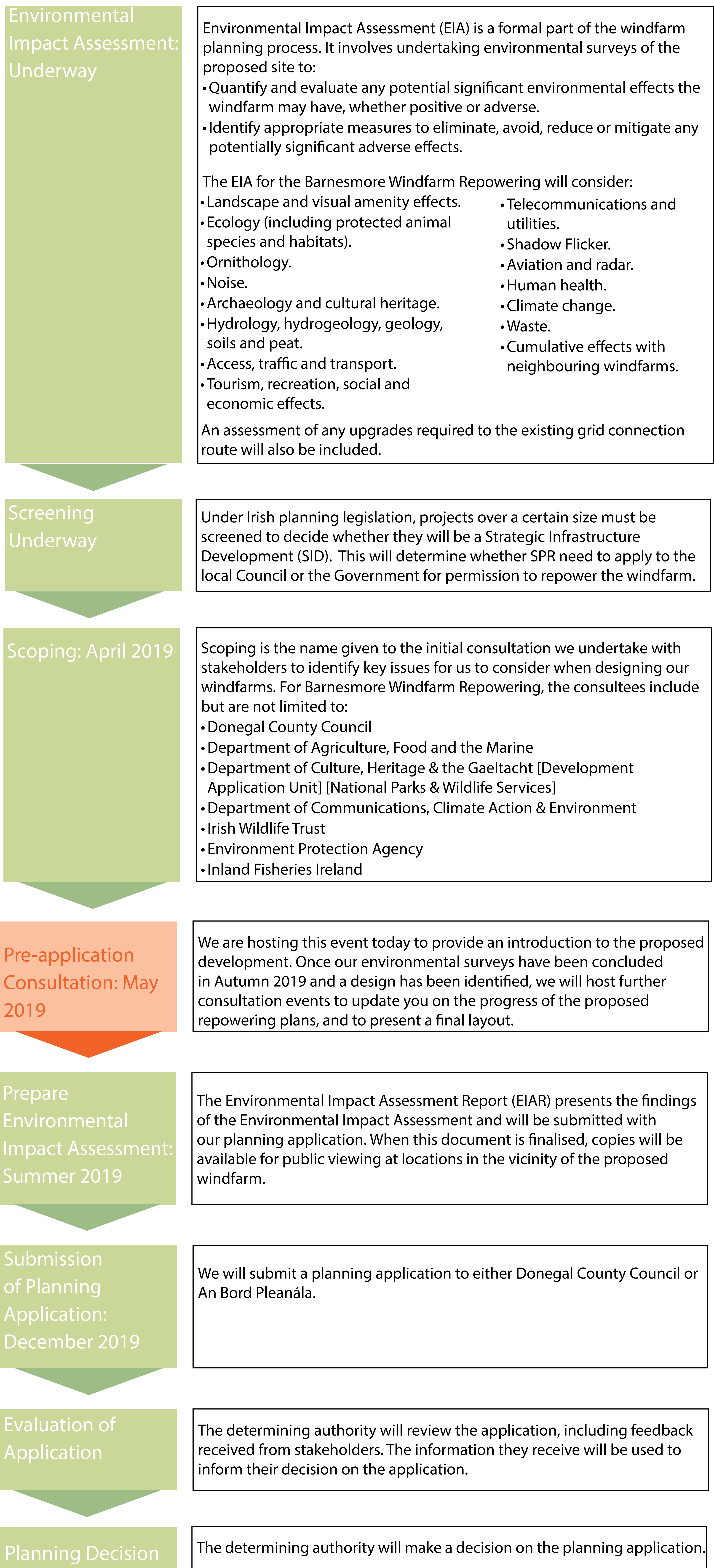
All of the latest updates regarding the project can be found at:
www.scottishpowerrenewables.com

Or you can send your questions to the project development team by emailing:
barnesmorewindfarmrepower@scottishpower.com

www.scottishpowerrenewables.com
[@SPRenewables](https://twitter.com/SPRenewables)

Barnesmore Windfarm Repowering

Development Timeline



Barnesmore Windfarm Repowering

Environmental Impact Assessment (EIA) and Development Strategy

Jennings O'Donovan & Partners Ltd., alongside a team of independent specialist consultants, has been tasked with undertaking extensive environmental surveys of the site and the surrounding area to inform the design of the repowered windfarm.

The existing windfarm is located within Barnesmore Bog which was designated as a Natural Heritage Area in 2006, after the windfarm was constructed. Controlling effects upon the bog habitats is one of the key aims of the repower design strategy. It is expected that by reusing the existing tracks and hardstandings that impacts can be minimised. Reducing the number of turbines may also enable many areas of existing infrastructure to be removed and restored back to peatland habitat.

We continue to gather wind data for the site, and based on the data collected from the existing turbines, and the onsite meteorological mast, we know this is a high performing, windy site. The proposed windfarm layout will evolve and be guided by the results of the surveys, the feedback received from the consultation process, and the advice of the environmental consultants.

We will use the survey data gathered to inform an Indicative Developable Area, with an initial focus on avoiding any potentially significant effects where possible through the sensitive siting of infrastructure.

Where necessary, mitigation measures will then be identified to eliminate or further reduce any remaining potential significant effects.

The following surveys are underway to build up this baseline information, and to inform an understanding of any environmental and technical sensitivities.

Indicative Turbine Area

Ecology – Focussing on avoiding any sensitive locations and habitats through sensitive design as far as practicable.

Ornithology – Focussing on ensuring that we understand which species of bird are on the site, and how they use the site. We can then use this data to avoid any sensitive locations, through careful design.

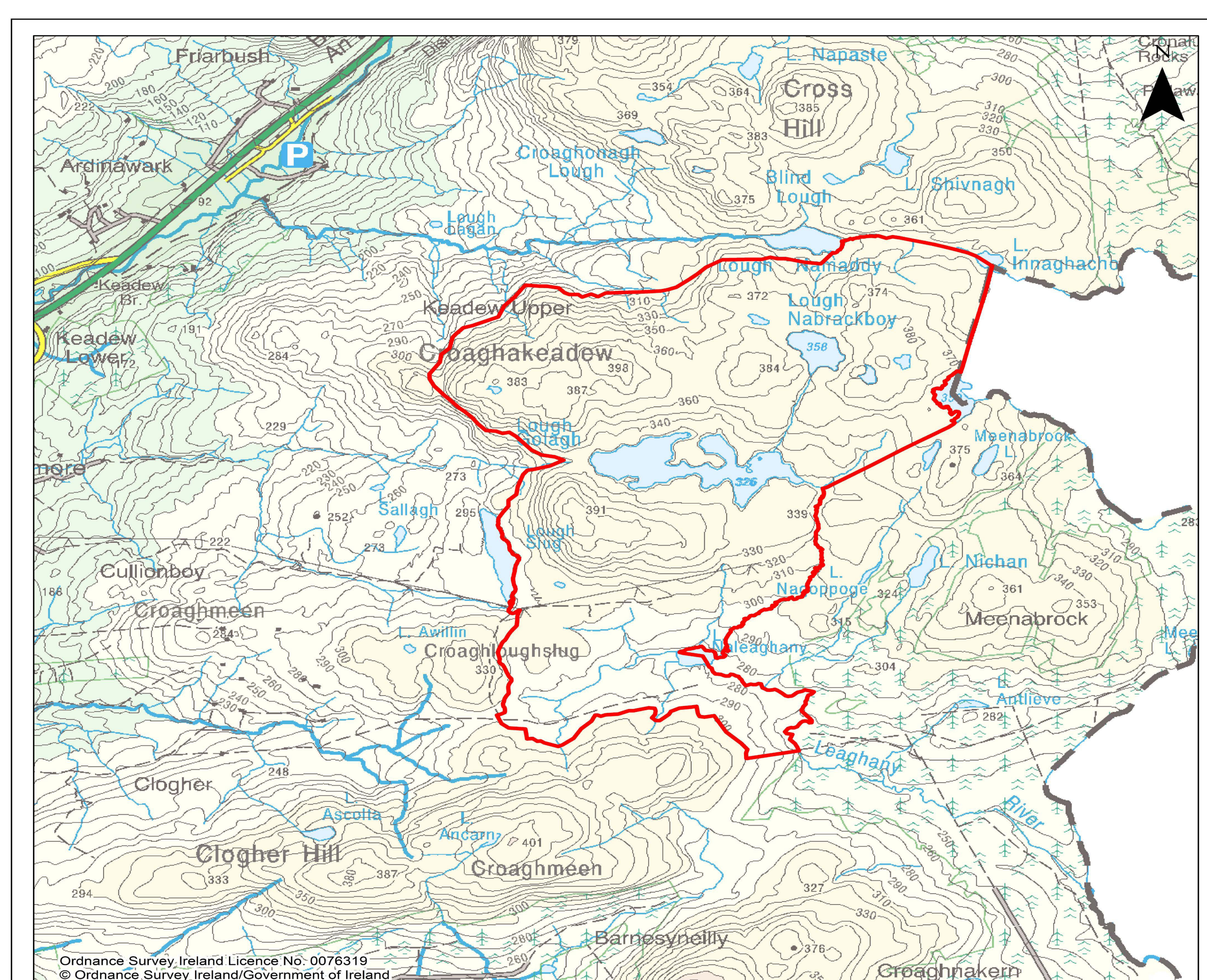
Hydrology & Peat – Given that the windfarm is surrounded by the designated bog, impacts upon peat will be assessed very carefully. The design of the development will also seek to minimise any impacts to water resources, including any surface and groundwater features.

Noise – These are to ensure that the turbines and associated infrastructure can be built out, and operated within acceptable noise limits.

Cultural Heritage – Focussing on avoiding any recorded onsite archaeology and ensuring, through careful design, that we avoid any unacceptable indirect effects on any offsite cultural heritage features.

Access, Traffic & Transport – The potential transport routes will utilise trunk and major roads, as far as possible, and traffic management measures focused on minimising effects on local communities will be developed.

This list is not exhaustive. Other studies will be undertaken such as gathering data on television and telecommunications links, and consultation with aviation stakeholders in order to ensure the continued safe and uninterrupted operation of these assets.



Barnesmore Windfarm Repowering

What is Landscape and Visual Assessment (LVIA)

Landscape Impacts and Visual Impacts are closely related, but are assessed separately.

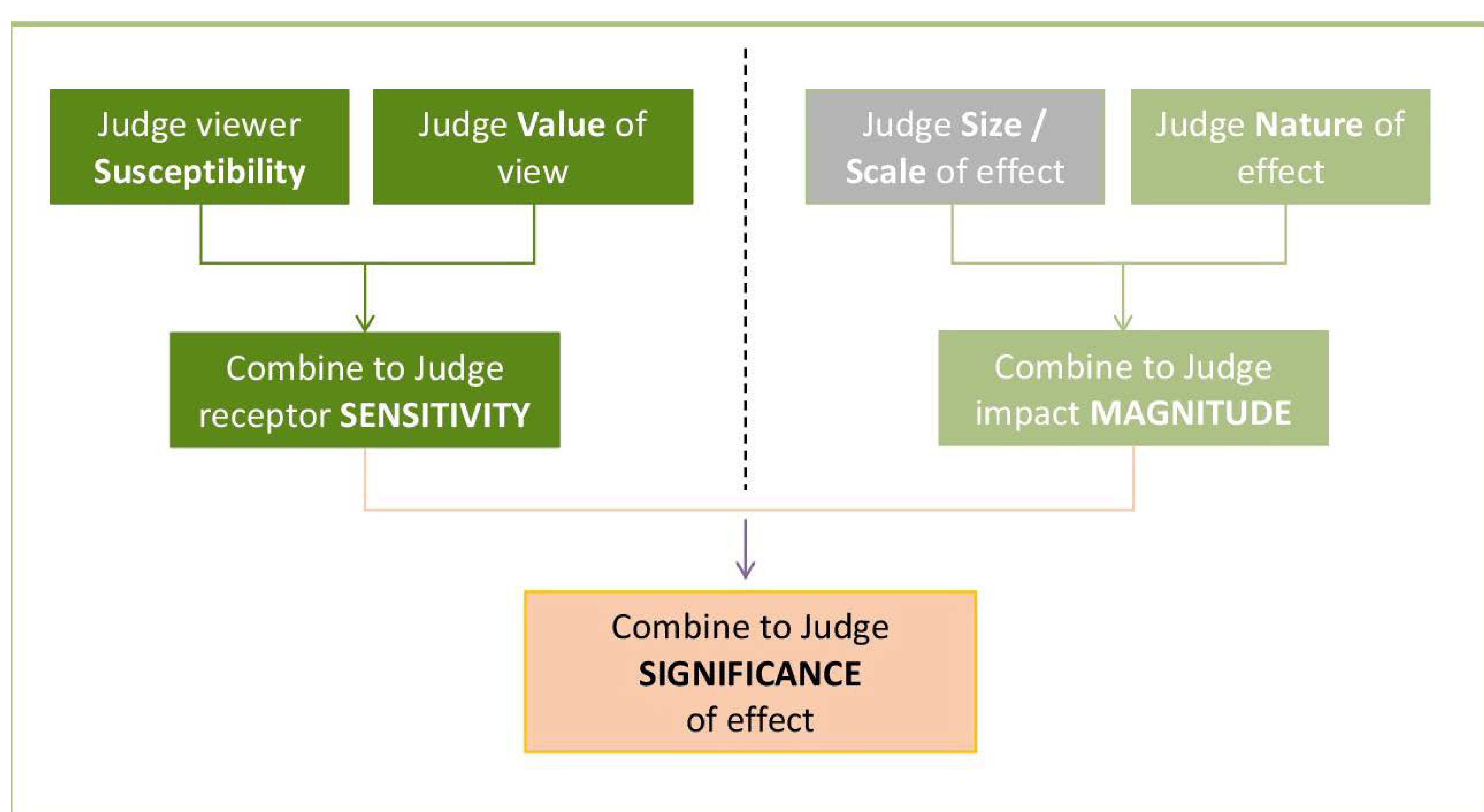
Landscape Impacts consider physical effects on landscape features and/or land cover as well as effects on the landscape character of an area. Windfarms have a stronger potential to influence landscape character than physical landscape fabric. This is especially true in the case of a repowering development largely confined to the existing windfarm development ‘footprint’.

Visual impacts consider changes to views experienced by visual receptors, which are people and groups of people in a range of viewing scenarios and that can influence their sensitivity to visual change (i.e. hill walkers vs motorway commuters).

Existing Site Context



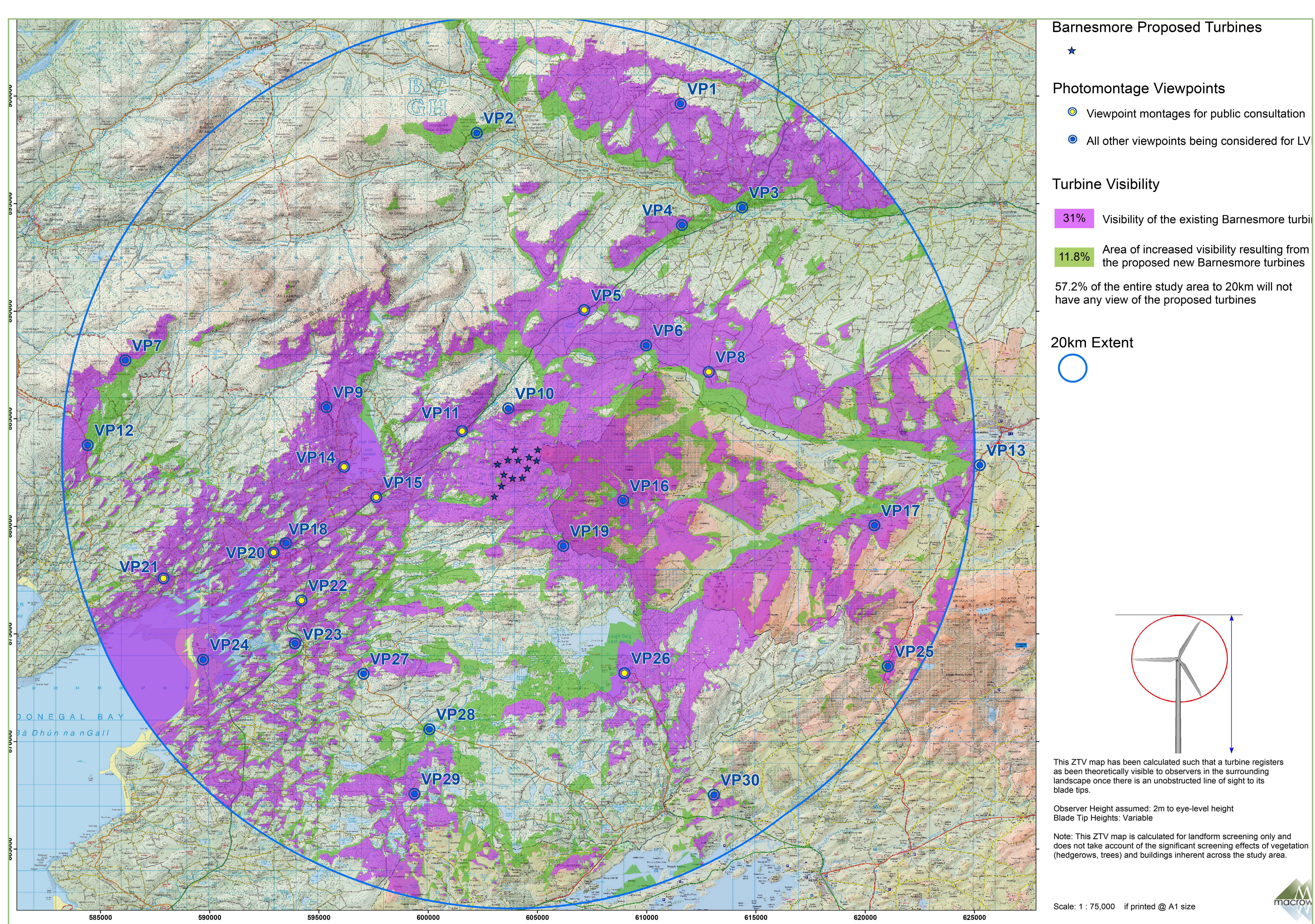
The overriding guidance document for LVIA in Ireland and the UK is the ‘Guidelines for Landscape and Visual Impact Assessment (2013)’. A simplified version of the LVIA process outlined in the guidance is shown below.



Barnesmore Windfarm Repowering

Where will the repowered windfarm be visible from compared to the existing development?

Computer generated Zone of Theoretical Visibility (ZTV) maps are used to determine where the proposed turbines may be visible from in a 'bare-ground' scenario i.e. without accounting for screening by the likes of vegetation. ZTV maps also aid the selection of representative viewpoints, which are used as the basis of the visual impact assessment. In the case of the Barnesmore Repowering Project, it is useful to compare existing and proposed visibility to determine areas which do not currently have a view of Barnesmore Windfarm, but have the potential to view the taller turbines of the repowered project.



What will the repowered windfarm look like?

To aid the windfarm design process, wireframe images are prepared initially. These are quick to prepare and illustrate the manner in which the turbines will appear from particular viewpoints in a 'bare-ground scenario'.

Once the design becomes more refined, photo-realistic 'photomontages' are prepared from each of the representative viewpoint locations. These are used as the basis of the visual impact assessment and a selection of these initial photomontages are on display today. The preparation of photomontages is governed by strict guidance that focusses on achieving a high degree of spatial accuracy (size / location) presented in a format that reflects real-world viewing conditions (size of image / specified viewing distance).

Barnesmore Windfarm Repowering

Community Benefit and Involvement

SPR, through the operation of the existing Barnesmore Windfarm, has been present in the local community for over 20 years and the repowering project gives us the opportunity to integrate and contribute further to the local community.



In recent years SPR has voluntarily provided community benefit packages on all new development projects to enable the local communities hosting a windfarm to share in the benefits. If consented, it is proposed that the Barnesmore Windfarm Repowering will offer an associated community benefit package.

SPR's operational windfarms have to date contributed more than £29 million of support towards community initiatives with the preferred approach to empower local communities to determine how the fund is used to the greatest benefit locally. This has resulted in a fantastic diversity of initiatives being delivered; from improving local amenities including town halls, cinemas and local youth clubs, to supporting work experience places, educational workshops and much more. SPR welcome contact from local community groups interested in registering to be part of community benefit discussions.

As Ireland's cheapest source of new energy, onshore wind contributes to reducing energy imports and electricity bills. A comprehensive analysis of the Irish electricity market by independent energy experts Baringa estimated that wind energy reduced power prices by a total of €2.4 billion since the year 2000¹.

Economic Opportunities

Onshore wind is already an established industry in Ireland with 4000 Irish jobs currently dependent on the

wind industry across development, construction and operations.

Companies that have established a firm base in onshore wind have gone on to win work in other regions, SPR has employed several firms based in Ireland such as Roadbridge (Construction) Ltd who have taken on large contracts as a civil contractor using staff based in Ireland.

The repowering of onshore and offshore wind turbines will contribute over 15GW to 2050. The potential economic value of electricity generated by wind could reach almost €15 billion by 2050².

In addition, wind farms contribute approximately €30 million in rates to local councils every year, which enables them to fund roads, programmes and services across rural Ireland³.

Repowering this site will help to secure and sustain this established industry building upon the local skills base. During the many years of operation of Barnesmore Windfarm, SPR has employed the services of numerous local companies who support the operation and maintenance of the site and the repowering will provide further opportunities for local companies to tender for work on the project, with 'meet the developer days' to introduce local suppliers to the project team.

¹ Baringa Historical Costs and Benefits, 2018

² SEAI - Wind Energy to 2050

³ IWEA Policy Paper March 2019

Barnesmore Windfarm Repowering

Key FAQs

What are the benefits of repowering an existing windfarm site?

- The site will be more efficient, increasing the overall generating capacity and output.
- In most cases the number of turbines is reduced.
- By reusing the existing infrastructure, there is the potential to minimise the environmental effects and restore areas of existing infrastructure that are no longer required.

How many turbines?

The number of turbines at Barnesmore is likely to reduce to around 13 as part of the repowered windfarm.

What size will they be?

The efficiency of modern onshore wind turbines comes primarily from their use of larger rotor diameters and generators. It is anticipated that generators up to 5MW could be deployed at Barnesmore.

What is the proposed generating capacity?

Depending on the size and number of turbines, the generating capacity will be in the region of 50 – 60 MW, up to four times the capacity of the existing windfarm. Each turbine could potentially produce over eight times the annual energy output of the existing turbines!

How will the wind turbines be transported?

It is proposed that the turbine components will be shipped to a local port and then transported from there by road.

Initial studies suggest that turbines can be transported to site without significant public road upgrades. A Traffic Management Plan will be prepared to manage the routing, timing and frequency of traffic associated with construction and component delivery to the site. This will be developed in consultation with statutory consultees and the local community to minimise impacts from deliveries.

We will also seek to utilise construction material, such as aggregate, from local sources where possible.

What opportunities do the co-location of energy storage technology provide?

- By storing and redistributing energy quickly, in response to when that energy is needed, storage helps stabilise the grid network.
- It makes grid networks more resilient, efficient, and cleaner than ever before by supporting the greater integration of renewable energy generation.
- It can be used during emergencies like power outages during storms, or equipment failures.
- It makes sense to co-locate this technology with a windfarm as this offers the opportunity to share the grid connection.

What is the next step in developing the project?

Environmental surveys are ongoing. These will be used to develop the site design and assess any environmental effects of the project. SPR will then apply for planning permission to construct the repowered windfarm. The application will go to either Donegal County Council or An Bord Pleanála once it is confirmed whether the project represents Strategic Infrastructure Development or not.

Prior to submitting the planning application, we will hold a second round of public consultation events where the final layout will be presented.

Appendix 7 – Stage 1 and Stage 2 Feedback Forms

To record your views and help us improve future information days, please complete this feedback form.

It should take no longer than a few minutes.

Thank you for your feedback and time.



1) Which do you consider yourself to be? (Please note: local is considered to be a resident living or a business operating within approx. 10 kilometres / 6 miles of the project)

- | | |
|--|--|
| <input type="checkbox"/> Local Resident | <input type="checkbox"/> A Community Leader |
| <input type="checkbox"/> Local Business | <input type="checkbox"/> Elected Attendee (Please Specify) |
| <input type="checkbox"/> Other (Please Specify)..... | <input type="checkbox"/> A Local Council Representative |

2) Were you satisfied with the information provided today?

- | | |
|--|--|
| <input type="checkbox"/> YES (If yes, what did you like?)
.....
.....
..... | <input type="checkbox"/> NO (If no, what could we improve?)
.....
.....
..... |
|--|--|

3) How did you find out about this event? Please tick all that apply.

- | | |
|---|---|
| <input type="checkbox"/> Leaflet posted through my door | <input type="checkbox"/> Community Group (Please Specify) |
| <input type="checkbox"/> Poster displayed in the local area | <input type="checkbox"/> Word of Mouth |
| <input type="checkbox"/> Newspaper Advert | <input type="checkbox"/> ScottishPower Renewables Website |
| <input type="checkbox"/> Other (Please Specify)..... | |

4) Are you supportive of the existing Barnesmore Windfarm?

- | | | |
|--|--|---|
| <input type="checkbox"/> YES (If yes, why?)
.....
.....
..... | <input type="checkbox"/> NO (If no, why?)
.....
.....
..... | <input type="checkbox"/> UNSURE (If unsure, what additional information would assist in forming a view?)
.....
.....
..... |
|--|--|---|

5) Do you think it is a good idea to increase the production of green energy from the existing Barnesmore Windfarm site by repowering (replacing the existing turbines with new, more efficient turbines)?

- | | | |
|--|--|---|
| <input type="checkbox"/> YES (If yes, why?)
.....
.....
..... | <input type="checkbox"/> NO (If no, what alternatives would you suggest?)
.....
.....
..... | <input type="checkbox"/> UNSURE (If unsure, what additional information would assist in forming a view?)
.....
.....
..... |
|--|--|---|

6) Do you think it is a good idea to incorporate energy storage capability (batteries) into the repowered Barnesmore Windfarm?

☐ YES (If yes, why?)

.....

.....

.....

☐ NO (If no, what alternatives would you suggest)

.....

.....

.....

☐ UNSURE (If unsure, what additional information would assist?)

.....

.....

7) Do you have any other comments for us to consider? Continue your response on another page if required.

This Public Information Day forms part of the formal consultation process for the Barnesmore Windfarm Repowering. The information you provide will be used for the purpose of registering your attendance at this event which is a statutory requirement of this process. This information will be collected and stored securely by Jennings O'Donovan & Partners Limited on behalf of ScottishPower Renewables.

For further information regarding how ScottishPower Renewables will use your data, and your rights in this respect, please refer to the privacy statement on the website at: www.scottishpowerrenewables.com/pages/privacy

If you do not have access to the internet and would like to see a copy of the above privacy statement, please ask one of the representatives present.

Appendix 8 – Public Information Day Stage 2 – Information Banners

Barnesmore Windfarm Repowering

Welcome

Following the Public Information Days held in May 2019, we are hosting this event to update you on our proposals.

ScottishPower Renewables (SPR) has owned and operated Barnesmore Windfarm since 1997. The site has made a pioneering contribution to Ireland's Renewable Energy targets and low carbon objectives. We are seeking to secure and build on this contribution and propose to 'repower' the Site; removing the existing 25 turbines and replacing these with 13, larger, more efficient, modern turbines and co-located energy storage. This information day provides you with the opportunity to:

- See how the Development has progressed since May 2019;
- Understand the guiding design principles of the project;
- Have an overview of the environmental survey work undertaken;
- Openly discuss the Development with the Project Team; and
- See the economic benefits of the proposal and engage with the community benefit opportunities.

ScottishPower Renewables

ScottishPower Renewables (SPR) is part of the Iberdrola Group, one of the world's largest integrated utility companies and a world leader in wind energy.

ScottishPower only produce 100% green electricity - focussing on wind energy, smart grids and driving the change to a cleaner, electric future. The company is investing the equivalent of over €7m every working day to make this happen and is committed to speeding up the transition to cleaner electric transport, improving air quality and over time, driving down bills to deliver a better future, quicker for everyone.

Iberdrola has recently entered into the Republic of Ireland domestic energy market with Iberdrola Ireland. Irish consumers are now able to sign up to 100% green electricity tariffs.

ScottishPower Renewables is at the forefront of the development of the renewables industry through pioneering ideas, forward thinking and outstanding innovation. Its ambitious growth plans include expansion of its existing onshore wind portfolio, investment in new large scale solar deployment and innovative grid storage systems including batteries. The company is also delivering the Iberdrola Group's offshore windfarms in the Southern North Sea off East Anglia as part of an international pipeline of projects across Europe and the USA.



Barnesmore Windfarm Repowering

Development Overview

Barnesmore Windfarm consists of 25 x 600 kilowatt (kW) wind turbines producing up to 15 megawatts (MW) of clean renewable power. The windfarm has been operating for over 20 years and SPR is now ‘repowering’ the site with larger, more efficient wind turbines. This means we have the opportunity to reuse the Site, maximising the benefits without the need to develop a new greenfield Site.

The table below summarises a comparison of the main Development parameters and illustrates the potential to increase the Site’s generating capacity without having to extend the footprint of the existing Site. Each new turbine will be approximately 9 times more powerful than one of the existing turbines.

	Existing Site	Repowered Site
Number of turbines	25	13
Tip Height	61 m	Up to 180 m
Turbine Max Power	0.6 MW	Approx. 5 MW
Site Capacity	15 MW	Approx. 65 MW
Energy Storage	No	Yes, up to 15 MW

Co-Location of Energy Storage Technology

By storing and redistributing energy quickly, storage helps stabilise the national grid network. This helps make grid networks more resilient, efficient, and cleaner than ever before by supporting the increasing integration of renewable energy generation.

This stored energy can be used during emergencies like power outages during storms, or equipment failures. Co-locating this technology with a windfarm, sharing the grid connection, helps to maximise efficiency of the grid assets.



Existing Barnesmore Windfarm

Barnesmore Windfarm Repowering

Design Considerations

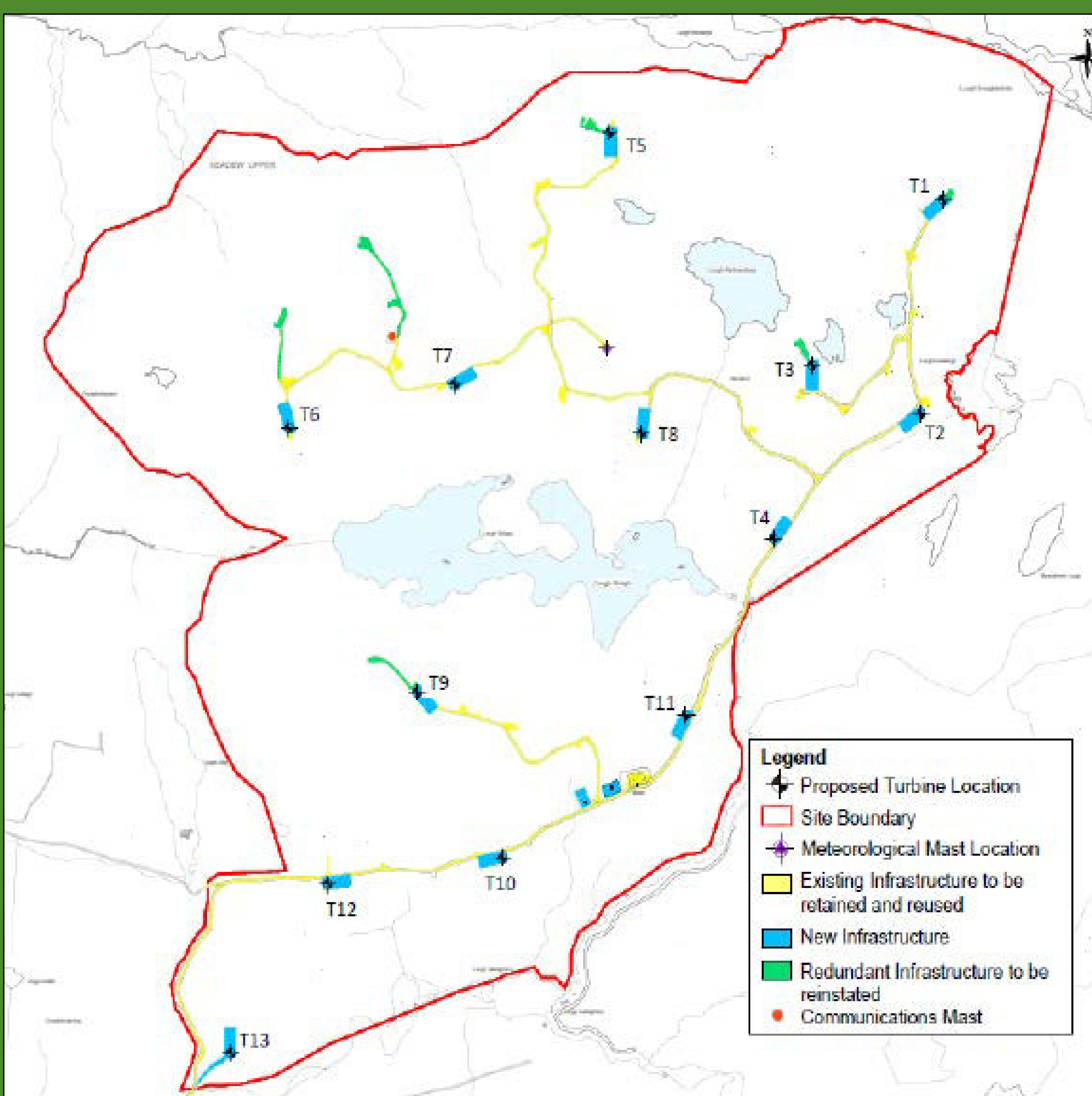
SPR, their consultants Jennings O'Donovan & Partners Ltd. and their team of independent technical specialists have been continuing their technical and environmental surveys since the Public Information Days in May 2019. These, along with the local community feedback, have played a key role in guiding the design of the Development.

One of the key principles of the design process was to reuse as much of the existing infrastructure on the Site as possible. This helps to minimise any effects upon the sensitive peatland habitats. Where this is not possible, any new infrastructure is carefully located to avoid the most sensitive areas. Design considerations include:

- Sensitivity of peatland habitat on site
- Watercourses within and around the site boundary
- Ground stability
- Archaeological features within the site and wider area
- Landscape sensitivities
- Presence of protected species
- Visual impact
- Proximity to residential properties
- Available wind resource

Turbine components will be delivered to Site via an established delivery route used previously for other windfarms in the area. Many of the upgrades required on the local road networks have previously been completed and any additional upgrades will be on the minor road, close to the Site. SPR has extensive experience of working with local residents to minimise disturbance and will produce a Traffic Management Plan in consultation with statutory consultees and the local community. We will also seek to utilise construction material from local sources where possible, minimising transportation impacts and providing a local economic benefit.

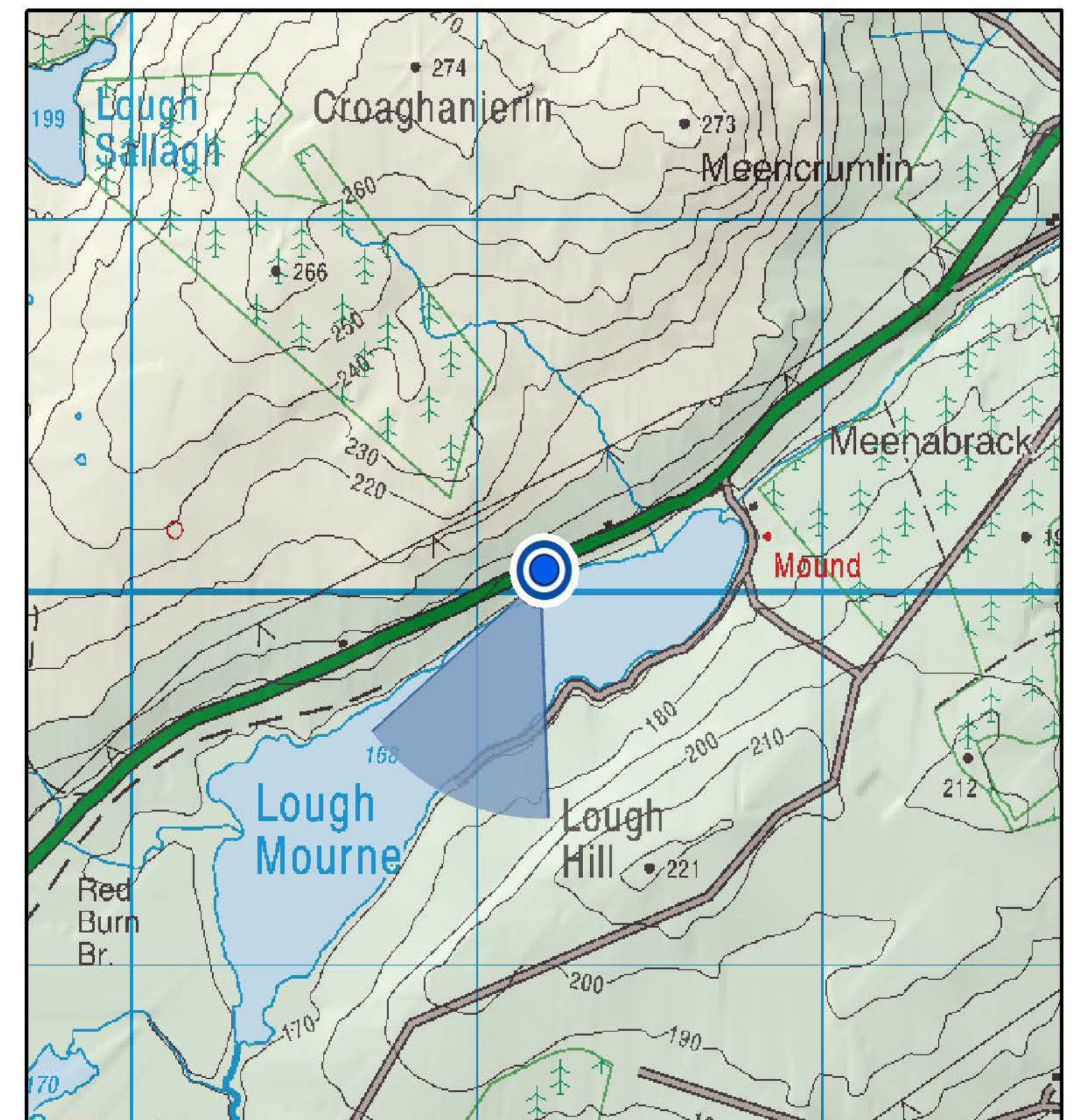
The final layout below has sought to maximise renewable energy generation from the site, whilst still minimising any resulting environmental effects. It also shows the extent of infrastructure being reused.



Barnesmore Windfarm Repowering

Landscape and Visual Amenity

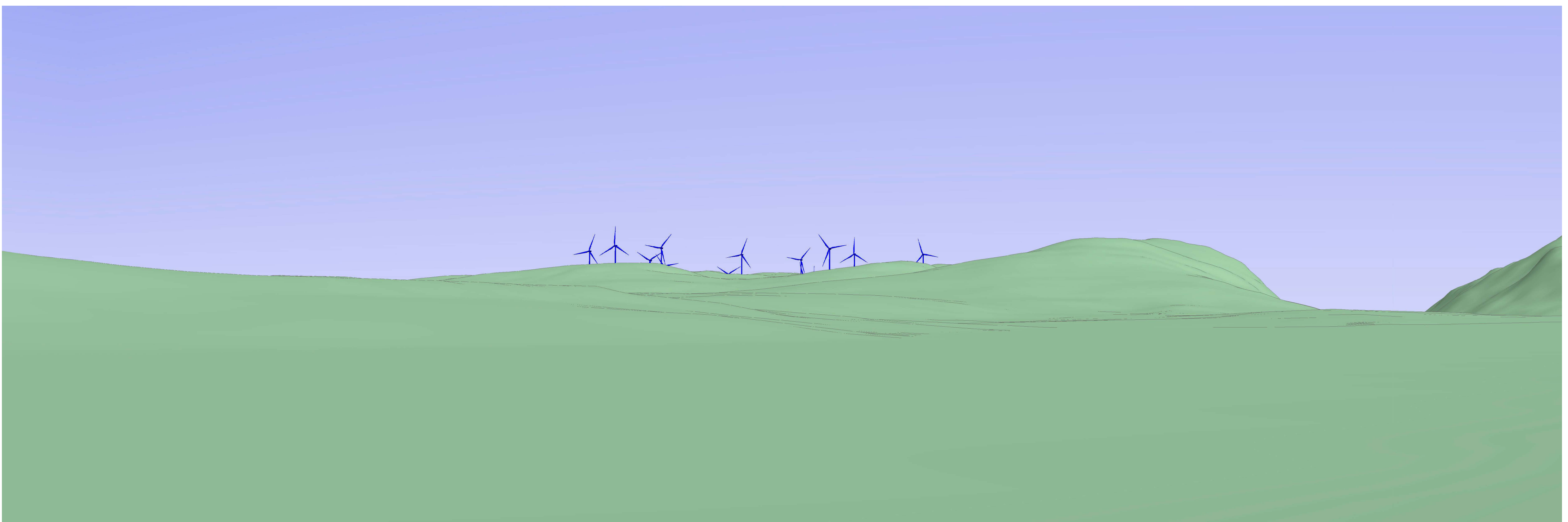
Viewpoint 5 - View from N15 at Lough Mourne



Proposed View:



Wireline:



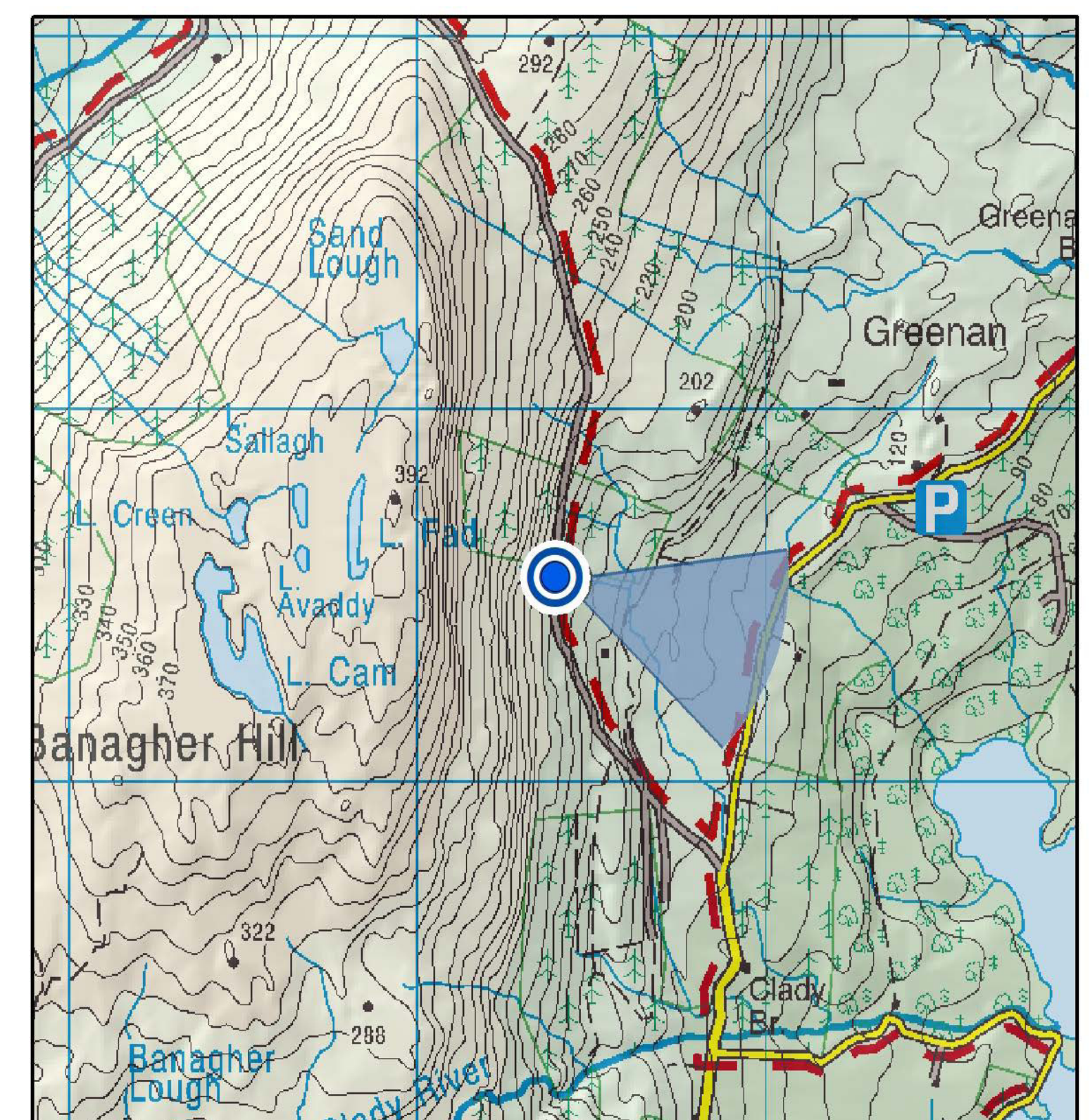
Existing View:



Barnesmore Windfarm Repowering

Landscape and Visual Amenity

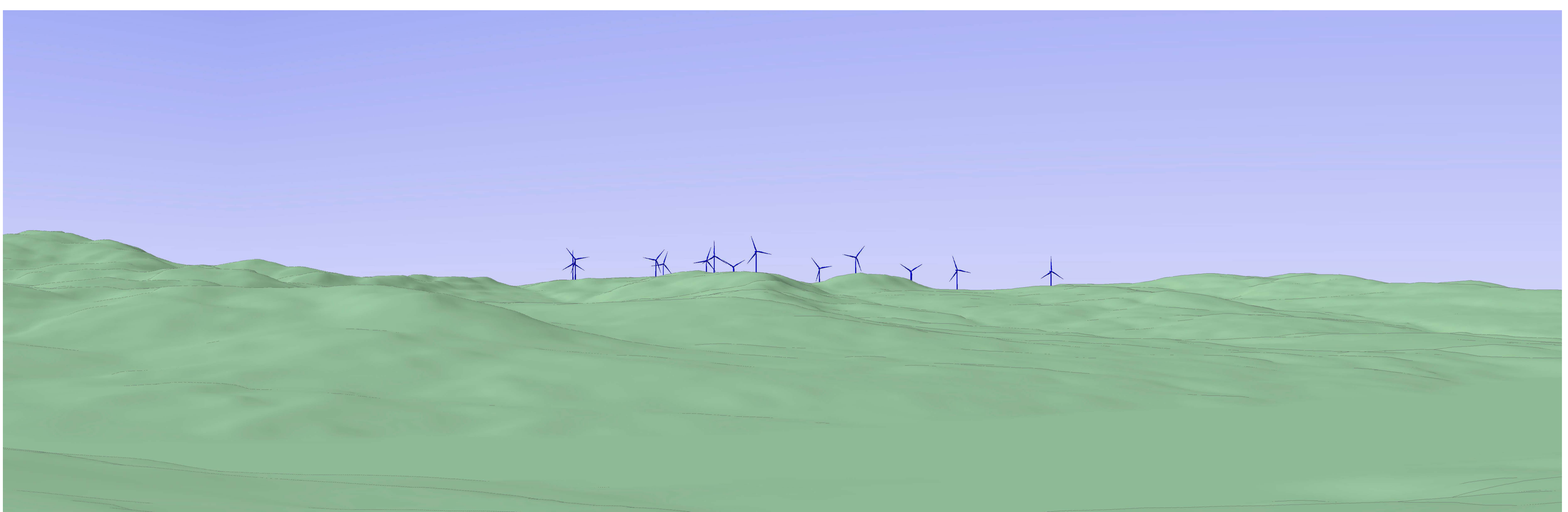
Viewpoint 9 - Bluestack Way at Greenan



Proposed View:



Wireline:



Existing View:



Barnesmore Windfarm Repowering

Landscape and Visual Amenity

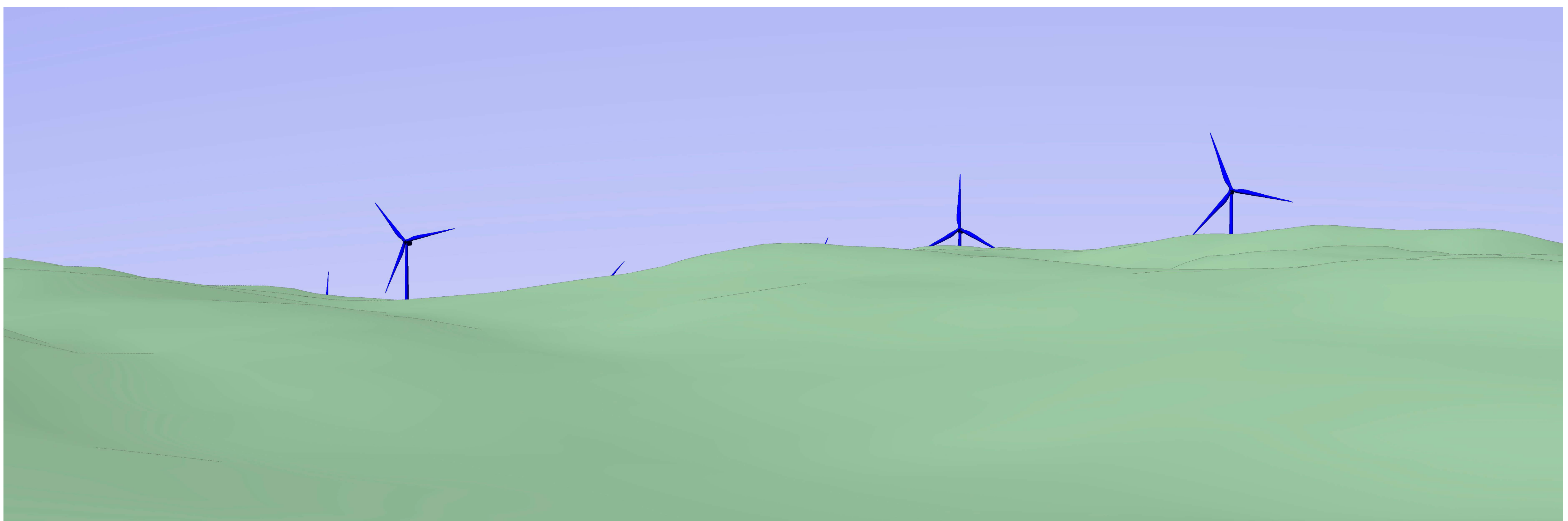
Viewpoint 11 - N15 Northwest of Site



Proposed View:



Wireline:



Existing View:



Barnesmore Windfarm Repowering

Landscape and Visual Amenity

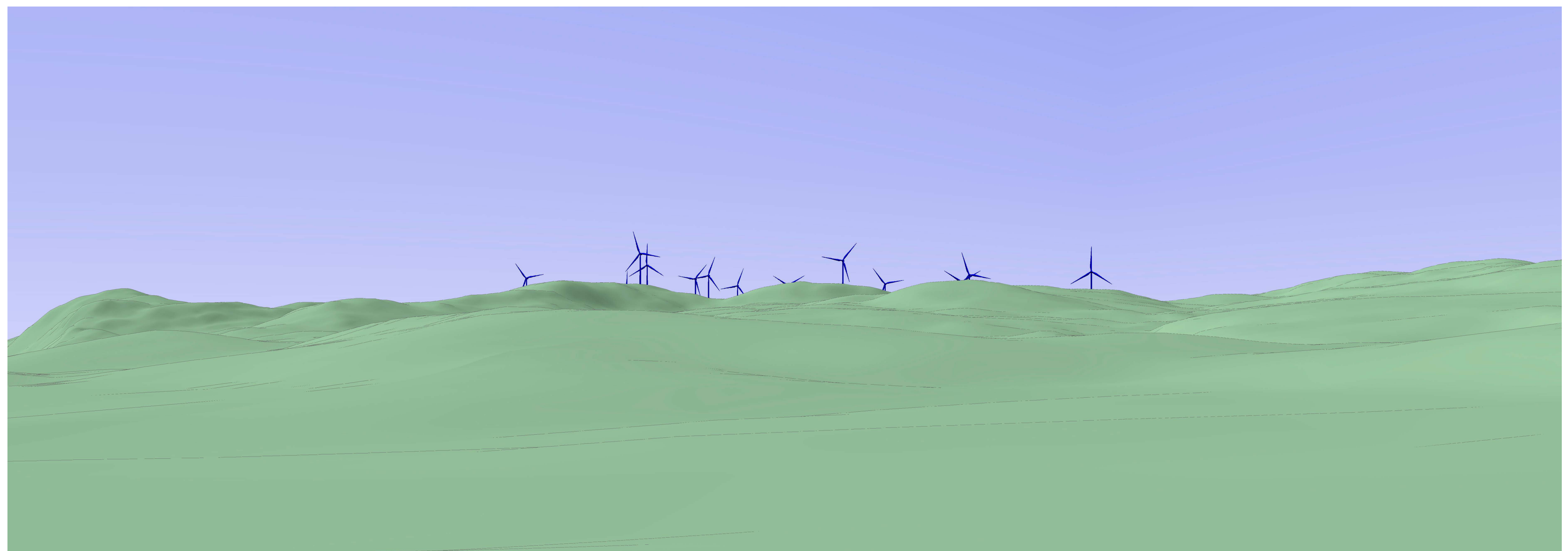
Viewpoint 15 - View from N15, South West of Site



Proposed View:



Wireline:



Existing View:



Barnesmore Windfarm Repowering

Community and Social Aspects

SPR, through the operation of the existing Barnesmore Windfarm, has been present in the local community for over 20 years and the repowering project gives us the opportunity to integrate and contribute further to the local community.

Community

In recent years SPR has voluntarily provided a package of community benefit on all new development projects to enable the local communities hosting a windfarm to share in the benefits. If consented, it is proposed that the Barnesmore Windfarm Repowering will offer an associated community benefit package and we are interested in hearing about the communities' aspirations and what benefits could be delivered.

SPR's operational windfarms have to date contributed more than the equivalent of €34 million of support towards community initiatives close to our windfarms. SPR's preferred approach is to empower local communities to determine how available funds are used to deliver the greatest benefit locally. This has resulted in a fantastic diversity of initiatives being delivered including:

- Contribution towards purchase and creation of the equivalent of €220,000 playpark for local and visiting children in rural village. The playpark includes zip lines, swings, a games arena and an outdoor classroom and open-air stage which are now used by the local primary school to run lessons outdoors.
- Contributions ranging from the equivalent of €3,000 to €30,000 towards the costs of local community minibuses, to assist local residents experiencing low mobility and/or social isolation in accessing shops, clubs, medical appointments and taking part in social activities.

What kind of benefits would you most like to see in your community?

Public Access

The sensitive peatland habitat around Barnesmore Windfarm is subject to legal protection through environmental designation.

There may be circumstances where certain individuals have legal rights of turbary which permit them to cut peat by hand from existing banks within the site for their own domestic use. SPR are keen to continue to work with individuals evidencing such turbary rights to ensure those rights are respected. SPR take our responsibility to third parties who have valid legal rights over our site seriously and no unauthorised activities, such as the commercial extraction of peat using machinery, will be permitted.



Barnesmore Windfarm Repowering

Benefits

Onshore Wind in Ireland

As Irelands cheapest source of new energy, onshore wind contributes to reducing energy imports and electricity bills.



33 million tonnes of CO₂ emissions
saved thanks to wind energy



€2.3 billion savings
in the wholesale
electricity market



4.1 GW of wind
capacity in Ireland



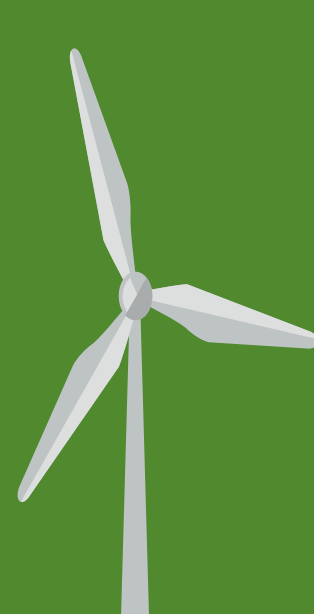
It costs less than a euro per person per
year to deploy wind energy in Ireland

Source: Baringa Cost-benefit analysis of wind energy in Ireland 2000 - 2020

Opportunities

Onshore wind is already an established industry in Ireland offering opportunities in a number of areas.

Irish companies that have established a firm base in onshore wind have gone on to win work in other regions. For example, SPR has employed several Irish firms such as Roadbridge (Construction) Ltd, who have taken on large contracts in the UK as a civil contractor using staff based in Ireland.



15 GW contributed from repowered
onshore and offshore windfarms to 2050



4,000 Irish jobs
currently dependent
on the wind industry



€30 million paid in
local council rates from
windfarms every year



€15 billion the potential economic value
of electricity generated by wind by 2050

Source: Baringa Cost-benefit analysis of wind energy in Ireland 2000 - 2020

During the many years of operation of Barnesmore Windfarm, SPR has employed the services of numerous local companies who support the operation and maintenance of the Site and the repowering will provide further opportunities for local companies to tender for work on the project, with 'meet the developer days' to introduce local suppliers to the project team.

Barnesmore Windfarm Repowering Project Team

ScottishPower Renewables
ScottishPower House
9th Floor
320 St Vincent Street
Glasgow
G2 5AD

Tel: +0044 141 614 3075

barnesmorewindfarmrepower@scottishpower.com

