

Appendix G: DFI Planning Letter 6th January 2023

Strategic Planning Directorate



Department for

Infrastructure

An Roinn

Bonneagair

Department for

Infrastructure

www.infrastructure-ni.gov.uk

Mr. David McVeigh
RES UK & Ireland Limited
Willowbank Business Park
Willowbank Road
Millbrook
Larne
County Antrim
BT40 2SF

Clarence Court
10-18 Adelaide Street
BELFAST
BT2 8GB

Email: planning@infrastructure-ni.gov.uk

Our Reference: DFIPG 003/23

6 January 2022

Dear Mr. McVeigh

RE: Carnbuck Amended PAN

I refer to your correspondence of 5 January 2023 regarding a request to amend your Proposal of Application Notice (PAN), ref. LA01/2022/1202/PAN.

The Department considers the revised date and time for the statutory public event under Regulation 5 of The Planning (Development Management) Regulations (Northern Ireland) 2015 is acceptable as an amendment to your original PAN.

The advice provided in our original response of 17 November to your PAN application is still applicable.

Yours sincerely

Strategic Planning Directorate

Appendix H: Letter to local representatives - Second Consultation



[REDACTED]

11 November 2022

Dear [REDACTED]

RE: Proposed Carnbuck Wind Farm, near Corkey, County Antrim

I am writing to advise you that RES is exploring the potential for a wind farm, in the townlands of Carnbuck, Magheraboy and Moneyneagh, near Corkey, adjacent to the existing Gruig Wind Farm. Following public consultation on the proposal in March 2022, we hope to submit a planning application early next year.

In accordance with planning regulations, we will be holding a second consultation event in advance of submitting a full Environmental Statement along with the planning application for determination. As such, we have submitted a Proposal of Application Notice (PAN) to the Department for Infrastructure, a copy of which is attached to this letter.

RES is committed to ongoing engagement with the local community and key stakeholders to facilitate constructive consultation. Once we have received feedback on the PAN, we will undertake various consultation activities including newsletter distribution, updates on our dedicated project website and an in-person and online public exhibition.

RES has been operating from their office in Larne since the early 90s, employing over 20 local people. At the forefront of the renewables industry for over 40 years, RES has delivered more than 23GW of renewable energy projects across the globe. In Northern Ireland, RES has developed and/or constructed over 350MW and operates over 150MW of wind projects.

If consented, Carnbuck Wind Farm would make a positive contribution to the requirement set out in the Northern Ireland Climate Act 2022 to meet at least 80% of electricity consumption from renewable sources by 2030. The scheme would also continue to build on the success of the renewable energy sector in NI, creating skilled, sustainable jobs and generating significant inward investment.

We would welcome the opportunity to meet with you directly to discuss the project and listen to any feedback that you may have regarding our proposal.

I look forward to hearing from you.

Sincerely

[REDACTED]

David McVeigh
Development Project Manager
E david.mcveigh@res-group.com
D +44 282 844 0583
M +44 7442 988 065

Official Use Only	
Reference No.:	
Associate Application No.:	
Registration date:	

Proposal of Application Notice

Planning Act (Northern Ireland) 2011
 Planning (General Development Procedure) Order (Northern Ireland) 2015

To be completed for all developments within the major category of development

Please note that when you submit this form the information, including plans, maps and drawings, will appear on the Planning Register which is publicly available and, along with other associated documentation (with the exception of personal telephone numbers, email addresses or sensitive personal data), will also be published on the internet on the Public Access site (<http://epicpublic.planningni.gov.uk/publicaccess/>). The Department for Infrastructure and the 11 Councils will process your information in line with the General Data Protection Regulations (GDPR) requirements. A copy of the full Privacy Statement is available at www.infrastructure-ni.gov.uk/dfi-privacy. To request a hard copy, please contact the relevant Data Protection Officer as listed in the statement.

1a. Applicant's name and address

1b. Agent's name and address (if applicable)

Name:	Renewable Energy Systems Limited	Name:	N/A
Address:	C1/C2 Willowbank Business Park, Willowbank Road, Millbrook	Address:	
Town:	Larne	Town:	
Postcode:	BT40 2SF	Postcode:	
Tel:	028 2844 0583	Tel:	
E-mail:	david.mcveigh@res-group.com	E-mail:	

2. Address or Location of Proposed Development Please state the postal address of the prospective development site. If there is no postal address, describe its location. Please outline the site on an OS base plan and attach it to this completed notice.

Lands in the townlands of Carnbuck, Magheraboy and Moneyneagh, east/south-east of the village of Corkey, Co. Antrim.

3. What is the area of the site in hectares?

393. hectares

4. Description of Proposed Development Please describe the development to be carried out, outlining its characteristics. Please also enclose appropriate drawings, including: plan, elevations and site layout of the proposal.

Proposed Carnbuck Wind Farm comprising: up to 12 three-bladed horizontal axis wind turbines, each up to 180m maximum height above ground level; associated external transformers; underground cabling; access tracks; turning heads; crane hardstandings; control building and substation compound, energy storage containers, mast, off-site areas of widening to the public road and all ancillary works. The development also comprises upgrades to the existing site entrance and access tracks of Gruig Wind Farm. During construction and commissioning there would be a number of temporary works including a construction compound with car parking; temporary parts of crane hardstandings; welfare facilities and temporary guyed meteorological masts.

5. What is the total gross floorspace of the proposed development?

N/A

6. If the proposed development includes a renewable energy project, what is the total amount of power (in kilowatts or megawatts) expected to be generated per year?

Approx 51.6MW installed capacity

7. Which type of planning permission does this Proposal of Application Notice relate to?

(Please tick)

Full planning permission

Outline planning permission

8. Has a determination been made as to whether the proposed development would be of Regional Significance?

Yes

(Please enclose a copy of the determination made under Section 26 of the Planning Act (NI) 2011)

No

9. Has an Environmental Impact Assessment determination been made?

Yes

(Please enclose a copy of the determination made under Part 2 of the Planning [Environmental Impact Assessment] Regulations [NI] 2015)

No

10. Please give details of proposed consultation

Proposed public event	Venue	Date and Time
Public Exhibition, including maps and visualisations of the proposal and providing the opportunity to ask questions and give feedback	The Millennium Centre Lough Road Loughgiel Ballymena BT44 9JN	Tuesday 17th January 2023 4pm-8pm
Name of publication(s) used: Ballymoney and Moyle Times Ballymoney Chronicle		
Proposed newspaper advert date(s): Ballymoney and Moyle - Wednesday 4th January 2023 Ballymoney Chronicle - Thursday 5th January 2023		
Please specify details of any other consultation methods including distance from site for notifying neighbouring properties (e.g.100m, 200m etc) and method of notification (please include date, time and with whom): - Information leaflets delivered to all houses within 3km, and all community groups including churches and schools within 5km. - Staffed public exhibition with informative boards and feedback questionnaires - Write to all stakeholders such as MLAs, Councillor, Community Groups and other interested parties		
Details of any other publicity methods (such as leaflets, posters, etc): Dedicated project website is updated		

11. Please state which other parties have received a copy of this Proposal of Application Notice (Please continue on a separate sheet if necessary)

<p>Elected member(s) for District Electoral Area</p> <p>Braid District Electoral Area: Councillor Beth Adger MBA Councillor Brian Collins Councillor Christopher Jamieson Councillor David Reid Councillor Julie Frew Alderman Robin Cherry MBE Councillor William McCaughey</p>	<p>The Glens District Electoral Area: Alderman Joan Baird Councillor Margaret-Anne McKillop Councillor Oliver McMullan Councillor Padraig McShane Councillor Cara McShane</p>	<p>Date notice served 11th November 2022</p>
<p>Other</p> <p>North Antrim MLAs Mr Jim Allister Mr Paul Frew Mr Philip McGruigan Dr Patricia O'Lynn Mr Robin Swann</p>		<p>Date notice served 11th November 2022</p>

12. Council Employee / Elected Member Interest

Are you / the applicant / applicant's spouse or partner, a member of staff within the council or an elected member of the council?

Yes No

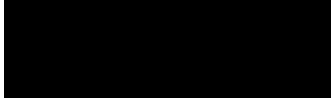
Or are you / the applicant / the applicant's spouse or partner, a relative of a member of staff in the council or an elected member of the council or their spouse or partner?

Yes No

If you have answered yes, please provide details (name, relationship and role):

<p>N/A</p>

13. Declaration

<p>Signature:</p>	
<p>Print name:</p>	<p>DAVID MCVEIGH</p>
<p>Date:</p>	<p>11th November 2022</p>

PLEASE NOTE: A planning application for this development cannot be submitted less than 12 weeks from the date the Proposal of Application Notice is received and without the statutory requirements having been undertaken. The application must be accompanied by the Pre-Application Consultation report.

We will respond within 21 days of receiving the Notice. We will confirm whether the proposed pre-application community consultation is satisfactory, or if additional notification and consultation is required. The minimum statutory consultation activity includes holding one public event and its advertisement in a local paper. We also require this Notice to be sent to local councillors for the District Electoral Area in which the proposed development is situated, and evidence of additional publicity of the event.

Strategic Planning Directorate



Department for

Infrastructure

An Roinn

Bonneagair

www.infrastructure-ni.gov.uk

Fiona Stevens
Renewable Energy Systems Ltd
Unit C1/C2
Willowbank Business Park
Willowbrook Lane
Millbrook
Larne
BT40 2SGF

Fiona.stevens@res-group.com

Clarence Court
10-18 Adelaide Street
Belfast
BT2 8GB
Tel: 0300 200 7830

Your ref: 3400671
Our ref:
LA06/2022/0053/DETRSD.

Date: 24 February 2022

Dear Fiona,

Location: Townlands of Carnbuck, Magheraboy and Moneyneagh, near Corkey, County Antrim.

Proposal: Up to 12 x three-bladed horizontal wind turbines, each up to 180m maximum height above ground level and associated external electricity transformers.

Applicant: Renewable Energy Systems Limited.

I refer to your letter dated 19 January 2022 and your request for a determination under Section 26 of the Planning Act (Northern Ireland) 2011 for the above proposal.


Having considered the information provided, the Department is of the opinion that the development would, if carried out, be of significance to the whole or a substantial part of Northern Ireland.

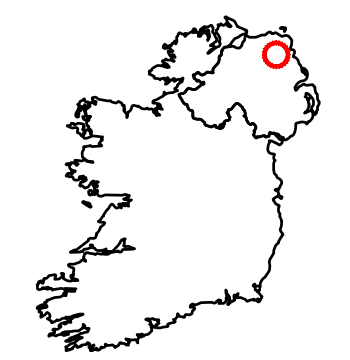
In accordance with Section 26(4) of the above Act, the Department hereby notifies the prospective applicant that the development proposed is development to which Section 26 applies. Any planning application should therefore be made to the Department for Infrastructure.

Yours sincerely

Graeme Walker

Principal Planning Officer

KEY:
 SITE BOUNDARY



SITE LOCATION - NOT TO SCALE



1	CT	JR	FS	2022-02-17	First Issue
ISSUE	DRAWN	CHKD	APPD	DATE	REVISION NOTES
PURPOSE				PROJECTION	
PRELIMINARY				OSNI	
SCALE			DATUM		
1:20,000 @A3			N/A		
LAYOUT DRAWING				T-LAYOUT NO	
N/A				N/A	

PROJECT TITLE
CARNBUCK WIND FARM

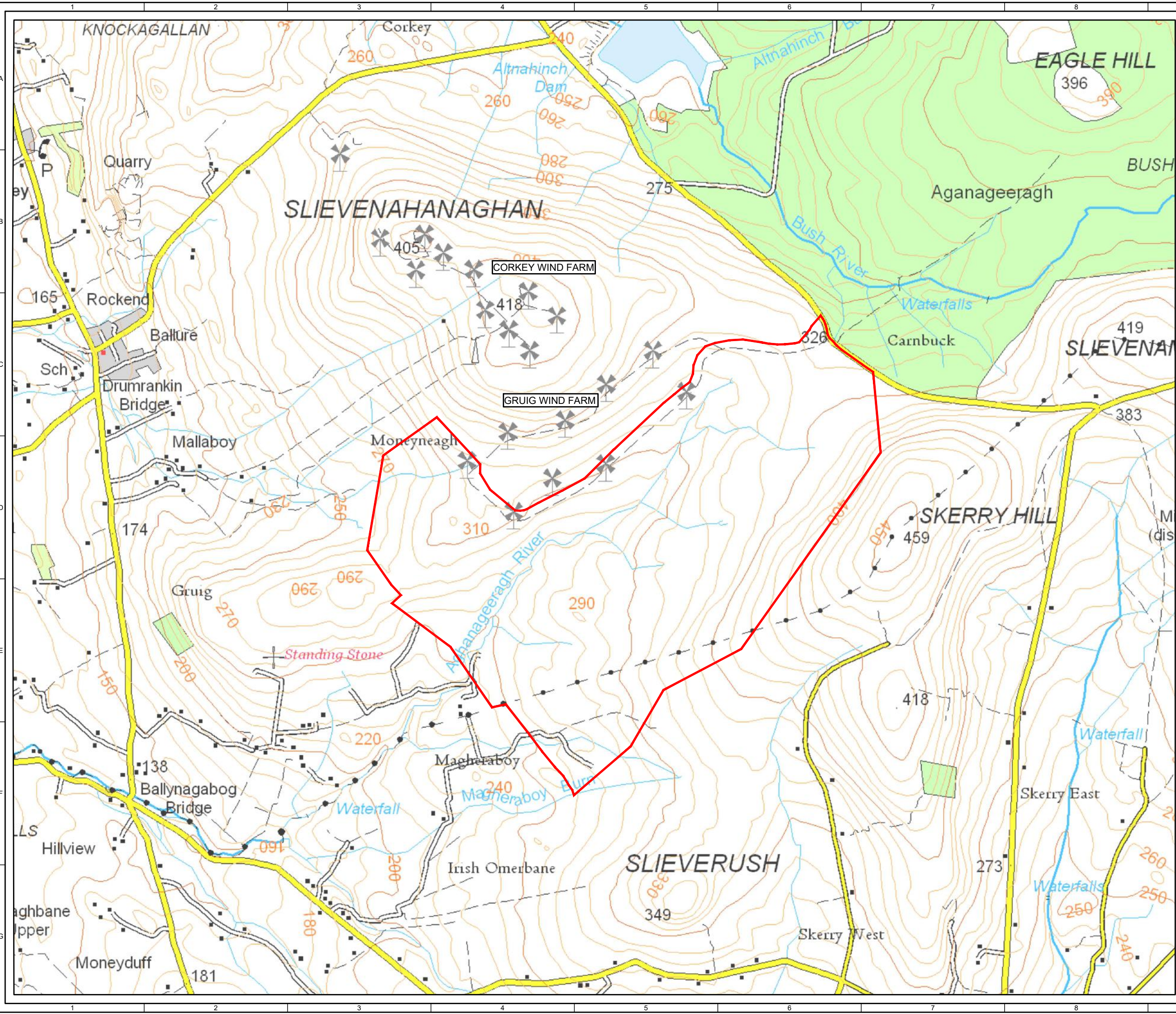
DRAWING TITLE
SITE BOUNDARY (PRELIMINARY)

RES DRAWING NUMBER	REV
03090-RES-LAY-DR-LE-001	1

THIS DRAWING IS THE PROPERTY OF RENEWABLE ENERGY SYSTEMS LIMITED AND NO REPRODUCTION MAY BE MADE IN WHOLE OR IN PART WITHOUT PERMISSION



BEAUFORT COURT,
 EGG FARM LANE,
 KINGS LANGLEY,
 HERTS WD4 8LR, UK
 TEL +44 (0) 1923 299200
 WWW.RES-GROUP.COM



David McVeigh

From: Carey Green
Sent: Friday, January 6, 2023 12:23 PM
To: [REDACTED]
Cc: David McVeigh
Subject: RE: Carnbuck Wind Farm Proposal
Attachments: Amended Carnbuck - PAN_05.01.2023.pdf; Carnbuck Newsletter (Email Verison).pdf

Dear [REDACTED]

Further to our previous email, the public exhibition for the proposed Carnbuck Wind Farm will now be held on Thursday 26th January 2023 from 4pm to 8pm. Please find attached an updated Proposal of Application Notice along with a revised newsletter which will instead be sent shortly to residential properties within 3km and community groups within 5km of the proposed site. We have scheduled updated advertisements to appear in the Ballymoney and Moyle Times and Ballymoney Chronicle on 11th and 12th January respectively.

If you would like any further information, or have any questions, do not hesitate to contact us.

Kind regards,
Carey Green
Community Relations Manager

D +44 1872 226 931
carey.green@res-group.com

Committed to a future where everyone has access to affordable zero carbon energy

Renewable Energy Systems Limited, registered in England and Wales with Company Number 1589961
Registered Office: Beaufort Court, Egg Farm Lane, Kings Langley, Hertfordshire WD4 8LR

From: Carey Green
Sent: 04 January 2023 10:39
To: [REDACTED]
Cc: David McVeigh <david.mcveigh@res-group.com>
Subject: RE: Carnbuck Wind Farm Proposal

Dear [REDACTED]

Further to our email of 13th November, please find attached a newsletter regarding an upcoming public exhibition for the Carnbuck Wind Farm proposal, on 17th January. The newsletter has been sent to residential properties within 3km and community groups within 5km of the proposed site and advertisements have also been placed in the Ballymoney and Moyle Times and the Ballymoney Chronicle.

If you would like any further information, or have any questions, do not hesitate to contact us.

Kind regards,
Carey Green
Community Relations Manager

D +44 1872 226 931
carey.green@res-group.com

Committed to a future where everyone has access to affordable zero carbon energy

From: Carey Green

Sent: 13 November 2022 12:43

To: [REDACTED]

Cc: David McVeigh <david.mcveigh@res-group.com>

Subject: Carnbuck Wind Farm Proposal

Dear [REDACTED]

I am writing to advise you that RES is exploring the potential for a wind farm, in the townlands of Carnbuck, Magheraboy and Moneyneagh, near Corkey, adjacent to the existing Gruig Wind Farm. Following public consultation on the proposal in March 2022, we hope to submit a planning application early next year. Further information can be found in the attached letter.

If you would like any further information, or have any questions, do not hesitate to contact us.

Kind regards,
Carey Green
Community Liaison Officer

D +44 1872 226 931
carey.green@res-group.com

Committed to a future where everyone has access to affordable zero carbon energy

Renewable Energy Systems Limited, registered in England and Wales with Company Number 1589961
Registered Office: Beaufort Court, Egg Farm Lane, Kings Langley, Hertfordshire WD4 8LR

Official Use Only	
Reference No.:	
Associate Application No.:	
Registration date:	

Proposal of Application Notice

Planning Act (Northern Ireland) 2011
 Planning (General Development Procedure) Order (Northern Ireland) 2015

To be completed for all developments within the major category of development

Please note that when you submit this form the information, including plans, maps and drawings, will appear on the Planning Register which is publicly available and, along with other associated documentation (with the exception of personal telephone numbers, email addresses or sensitive personal data), will also be published on the internet on the Public Access site (<http://epicpublic.planningni.gov.uk/publicaccess/>). The Department for Infrastructure and the 11 Councils will process your information in line with the General Data Protection Regulations (GDPR) requirements. A copy of the full Privacy Statement is available at www.infrastructure-ni.gov.uk/dfi-privacy. To request a hard copy, please contact the relevant Data Protection Officer as listed in the statement.

1a. Applicant's name and address

1b. Agent's name and address (if applicable)

Name:	Renewable Energy Systems Limited	Name:	N/A
Address:	C1/C2 Willowbank Business Park, Willowbank Road, Millbrook	Address:	
Town:	Larne	Town:	
Postcode:	BT40 2SF	Postcode:	
Tel:	028 2844 0583	Tel:	
E-mail:	david.mcveigh@res-group.com	E-mail:	

2. Address or Location of Proposed Development Please state the postal address of the prospective development site. If there is no postal address, describe its location. Please outline the site on an OS base plan and attach it to this completed notice.

Lands in the townlands of Carnbuck, Magheraboy and Moneyneagh, east/south-east of the village of Corkey, Co. Antrim.

3. What is the area of the site in hectares?

393.5 hectares

4. Description of Proposed Development Please describe the development to be carried out, outlining its characteristics. Please also enclose appropriate drawings, including: plan, elevations and site layout of the proposal.

Proposed Carnbuck Wind Farm comprising: up to 12 three-bladed horizontal axis wind turbines, each up to 180m maximum height above ground level; associated external transformers; underground cabling; access tracks; turning heads; crane hardstandings; control building and substation compound, battery energy storage containers, off-site areas of widening to the public road and all ancillary works. The development also comprises upgrades to the existing site entrance and access tracks of Gruig Wind Farm. During construction and commissioning there would be a number of temporary works including a construction compound with car parking; temporary parts of crane hardstandings and welfare facilities.

5. What is the total gross floorspace of the proposed development?

N/A

6. If the proposed development includes a renewable energy project, what is the total amount of power (in kilowatts or megawatts) expected to be generated per year?

Approx 51.6MW installed capacity

7. Which type of planning permission does this Proposal of Application Notice relate to?
(Please tick)

Full planning permission Outline planning permission

8. Has a determination been made as to whether the proposed development would be of Regional Significance?

Yes (Please enclose a copy of the determination made under Section 26 of the Planning Act (NI) 2011)
No

9. Has an Environmental Impact Assessment determination been made?

Yes (Please enclose a copy of the determination made under Part 2 of the Planning [Environmental Impact Assessment] Regulations [NI] 2015)
No

10. Please give details of proposed consultation

Proposed public event	Venue	Date and Time
Public Exhibition, including maps and visualisations of the proposal and providing the opportunity to ask questions and give feedback	The Millennium Centre Lough Road Loughgiel Ballymena BT44 9JN	Thursday 26th January 2023 4pm-8pm (was previously Tuesday 17th January 2023)

Name of publication(s) used:

Ballymoney and Moyle Times
Ballymoney Chronicle

Proposed newspaper advert date(s):

Ballymoney and Moyle - Wednesday 11th January 2023
Ballymoney Chronicle - Thursday 12th January 2023

Please specify details of any other consultation methods including distance from site for notifying neighbouring properties (e.g. 100m, 200m etc) and method of notification (please include date, time and with whom):

- Information leaflets delivered to all houses within 3km, and all community groups including churches and schools within 5km.
- Staffed public exhibition with informative boards and feedback questionnaires
- Write to all stakeholders such as MLAs, Councillor, Community Groups and other interested parties

Details of any other publicity methods (such as leaflets, posters, etc):

Dedicated project website is updated

11. Please state which other parties have received a copy of this Proposal of Application Notice (Please continue on a separate sheet if necessary)

<p>Elected member(s) for District Electoral Area</p> <p>Braid District Electoral Area: Councillor Beth Adger MBA Councillor Brian Collins Councillor Christopher Jamieson Councillor David Reid Councillor Julie Frew Alderman Robin Cherry MBE Councillor William McCaughey</p>	<p>The Glens District Electoral Area: Alderman Joan Baird Councillor Margaret-Anne McKillop Councillor Oliver McMullan Councillor Pdraig McShane Councillor Cara McShane</p>	<p>Date notice served 6th January 2023</p>
<p>Other</p> <p>North Antrim MLAs Mr Jim Allister Mr Paul Frew Mr Philip McGruigan Dr Patricia O'Lynn Mr Robin Swann</p>		<p>Date notice served 6th January 2023</p>

12. Council Employee / Elected Member Interest

Are you / the applicant / applicant's spouse or partner, a member of staff within the council or an elected member of the council?

Yes No


Or are you / the applicant / the applicant's spouse or partner, a relative of a member of staff in the council or an elected member of the council or their spouse or partner?

Yes No

If you have answered yes, please provide details (name, relationship and role):

N/A

13. Declaration

Signature:	
Print name:	DAVID MCVEIGH
Date:	5 th January 2023

PLEASE NOTE: A planning application for this development cannot be submitted less than 12 weeks from the date the Proposal of Application Notice is received and without the statutory requirements having been undertaken. The application must be accompanied by the Pre-Application Consultation report.

We will respond within 21 days of receiving the Notice. We will confirm whether the proposed pre-application community consultation is satisfactory, or if additional notification and consultation is required. The minimum statutory consultation activity includes holding one public event and its advertisement in a local paper. We also require this Notice to be sent to local councillors for the District Electoral Area in which the proposed development is situated, and evidence of additional publicity of the event.

Appendix I: Newsletter - Second Consultation

CARNBUCK WIND FARM



RES is exploring the potential for a wind farm, in the townlands of Carnbuck, Magheraboy and Moneyneagh, near Corkey, Co. Antrim, adjacent to the existing Grug Wind Farm.

In accordance with planning regulations, we will be holding a public exhibition in the local area to enable people to find out more about the proposal and provide us with their views, in advance of submitting a full Environmental Statement along with the planning application for determination.

Visit www.carnbuck-windfarm.co.uk for more information.

HAVE YOUR SAY

We are holding a public exhibition in the local area to share information on the proposal and to enable you to provide us with your feedback. RES staff will be on hand to answer any questions or for more information.

Thursday 26th January 2023
4pm to 8pm

The Millennium Centre,
Loughgiel, BT44 9JN



All information provided at the public exhibition will also be available at www.carnbuck-windfarm.co.uk from 26th January 2023. Hard copies of materials will be available by calling RES on 02828 440 580.

Comments forms will be available at the public exhibition and on the website above from the day of the exhibition and can be submitted at the public exhibition or via the website stated above. Hard copies can be sent by post to the address overleaf. The public exhibition initiates a consultation period being run by RES to gather comments on the proposal. **The closing date for comments is 9th February 2023 at 5pm.**

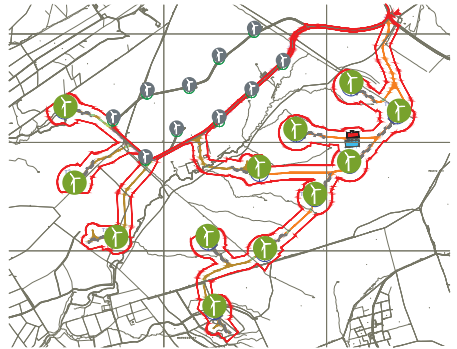
Please note that comments submitted to RES at the Online Public Exhibition are not representations to the determining authority (Strategic Planning Directorate Department for Infrastructure). There will be an opportunity to submit representations to the determining authority should a planning application be submitted.

CARBUCK WIND FARM AT A GLANCE

The wind farm proposal is for 12 turbines up to 180m in height.

The wind farm would be capable of generating around 50 megawatts (MW) of clean, green, low-cost renewable electricity, equivalent to the electricity usage of around 55,000¹ homes each year.

The wind farm would share a site entrance and some infrastructure with Guig Wind Farm, reducing the environmental footprint and traffic movements.



RES IN NORTHERN IRELAND

RES is the world's largest independent renewable energy company. At the forefront of the industry for over 40 years, RES has delivered more than 23GW of renewable energy projects across the globe and supports an operational asset portfolio exceeding 10GW worldwide for a large client base.

RES has been building wind farms across the island of Ireland since the early 1990s and from our office in Larne, Co. Antrim we have a team of over 20 working across a range of disciplines. In Northern Ireland, RES has developed and/or built twenty-two wind farms equating to nearly 380MW and currently operates over 150MW of wind projects.

RES has a proven track record of using local contractors to maximise inward investment as demonstrated at the newly constructed Craiggore Wind Farm, near Limavady, where 16 NI based contractors were used during construction.



David McVeigh
Development Project Manager
✉ david.mcveigh@res-group.com
☎ 0282 844 0583



Carey Green
Community Relations Manager
✉ carey.green@res-group.com
☎ 01872 226 931

RES, Willowbank Business Park, Millbrook, Larne, County Antrim, BT40 2SF

If you require information in Braille, large text or audio, please let us know

¹The homes figure has been calculated by taking the predicted annual electricity generation of the site (based on RES assessments Carnuck has a predicted capacity factor of 46.75%) and dividing this by the annual average electricity figures from the Department of Business, Energy and Industrial Strategy (BEIS) showing that the annual UK average domestic household consumption is 3,748 kWh (Dec 2021).

Appendix J: Public Exhibition newspaper advert - Second Consultation

Coleraine and Ballymoney Times - Wednesday 11th January 2023

PUBLIC NOTICES

res CARNUCK WIND FARM Public Exhibition

RES is exploring the potential for a wind farm, in the townlands of Carnuck, Magheraboy and Moneyneagh, near Corkey, Co. Antrim, adjacent to the existing Gruig Wind Farm.

The proposed wind farm will comprise up to 12 three-bladed horizontal axis wind turbines, each up to 180m maximum height above ground level, associated external transformers, underground cabling, access tracks, turning heads, crane hardstandings, control building and substation compound, battery energy storage containers, offsite areas of widening to the public road and all ancillary works.

The development also comprises upgrades to the existing site entrance and access tracks of Gruig Wind Farm. During construction and commissioning there would be a number of temporary works including a construction compound with car parking, temporary parts of crane hardstandings and welfare facilities.

In accordance with planning regulations, we will be holding a public exhibition in the local area to enable people to find out more about the proposal and provide us with their views, in advance of submitting a full Environmental Statement along with the planning application for determination.

The public exhibition previously scheduled for 17th January 2023 will now be held from 4pm to 8pm on Thursday 26th January 2023 at The Millennium Centre, Loughgiel, BT44 9JN. All information provided at the exhibition will be available at carnuck-windfarm.co.uk from 26th January 2023. Hard copies of materials will be available by calling RES on 02828 440 580.

Comments forms will be available at the public exhibition and on the website above from the day of the exhibition and can be submitted at the public exhibition or via the website stated above. Hard copies can be sent by post to the address below. The exhibition initiates a consultation period being run by RES to gather comments on the proposal. The closing date for comments is 9th February 2023 at 5pm.

For further information or to submit comments please contact David McVeigh at david.mcveigh@res-group.com or by calling 0282 844 0583 or by post to RES, Willowbank Business Park, Millbrook, Lame, BT40 2SF.

Please note comments made to RES during the consultation period are not representations to the Strategic Planning Directorate Department for Infrastructure (DFI). There will be opportunity for representations to be made to Strategic Planning Directorate Department for Infrastructure (DFI) following submission of an application, at which stage the planning application will be formally advertised by the DFI.

CARS

FUE YOU FO

HOMES

Contact Alpha Media Group on 028 8772 2274

or small, 24hr service.
Tel.079-3362-0782

MEDIA
GROUP



CARBUCK WIND FARM Public Exhibition

RES is exploring the potential for a wind farm, in the townlands of Carnbuck, Magheraboy and Moneyneagh, near Corkey, Co. Antrim, adjacent to the existing Gruig Wind Farm.

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LA01/2022/11

LA01/2022/15

LA01/2022/

LA01/2022

LA01/2022

LA01/2022

LA01/202

LA01/202

LA01/20

LA01/20

LA01/20

Appendix K: Second Exhibition Information on Display

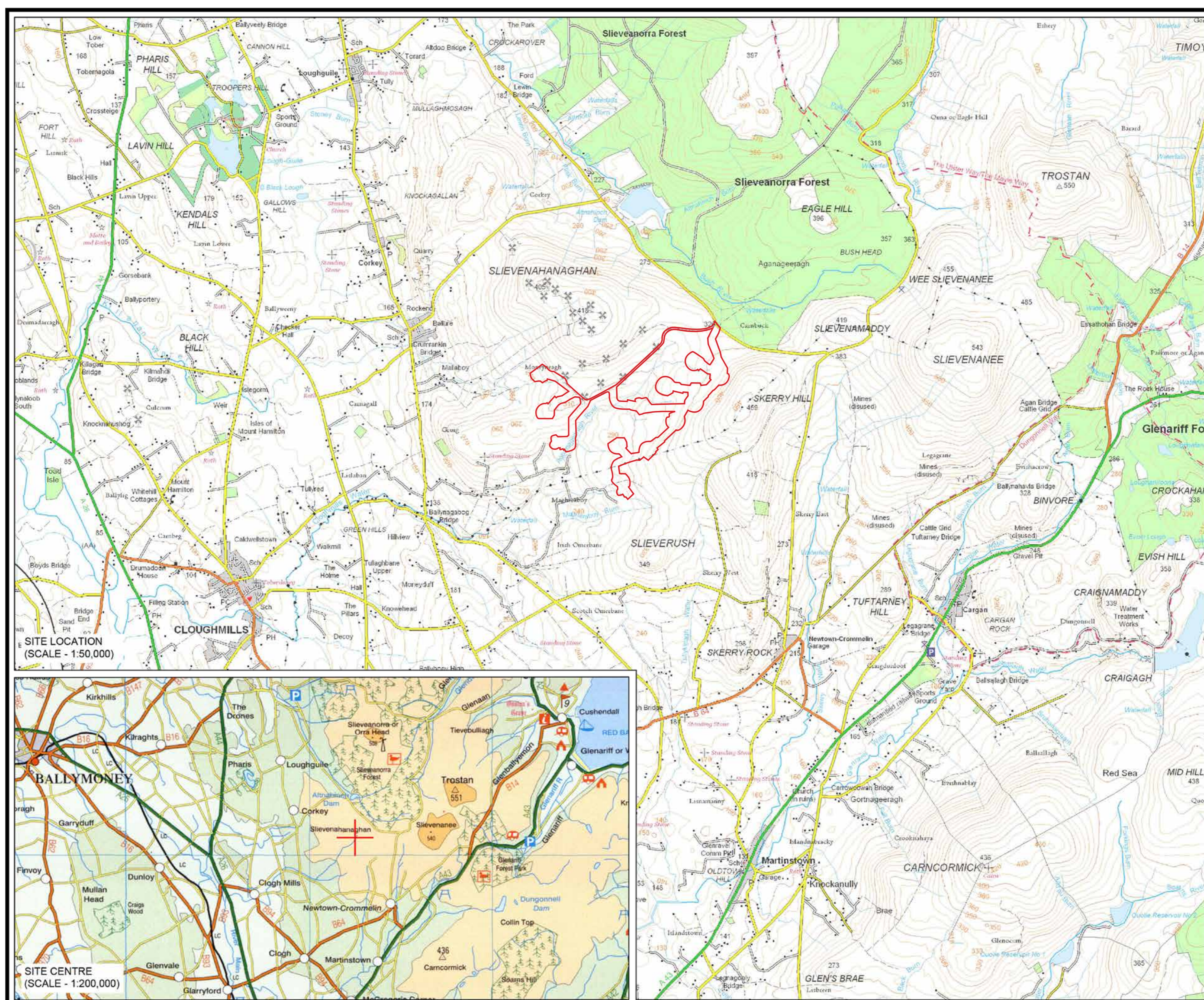
About the Project

RES is currently consulting on its plans for a proposed wind farm called Carnbuck located in the townlands of Carnbuck, Magheraboy and Moneyneagh, near Corkey, Co. Antrim, adjacent to the existing Gruig Wind Farm.

Carnbuck Wind Farm has been designed to generate reliable, renewable electricity, whilst minimising local impacts and maximising local benefits wherever possible.

The wind farm would be capable of generating around 50 megawatts (MW) of clean, green, low-cost renewable electricity. Equivalent to the electricity usage of around 55,000¹ homes each year.

- Key
- Planning application boundary
 - + Site Centre



¹ The homes figure has been calculated by taking the predicted annual electricity generation of the site (based on RES assessments Carnbuck has a predicted capacity factor of 46.75%) and dividing this by the annual average electricity figures from the Department of Business, Energy and Industrial Strategy (BEIS) showing that the annual UK average domestic household consumption is 3,748 kWh (Dec 2021).

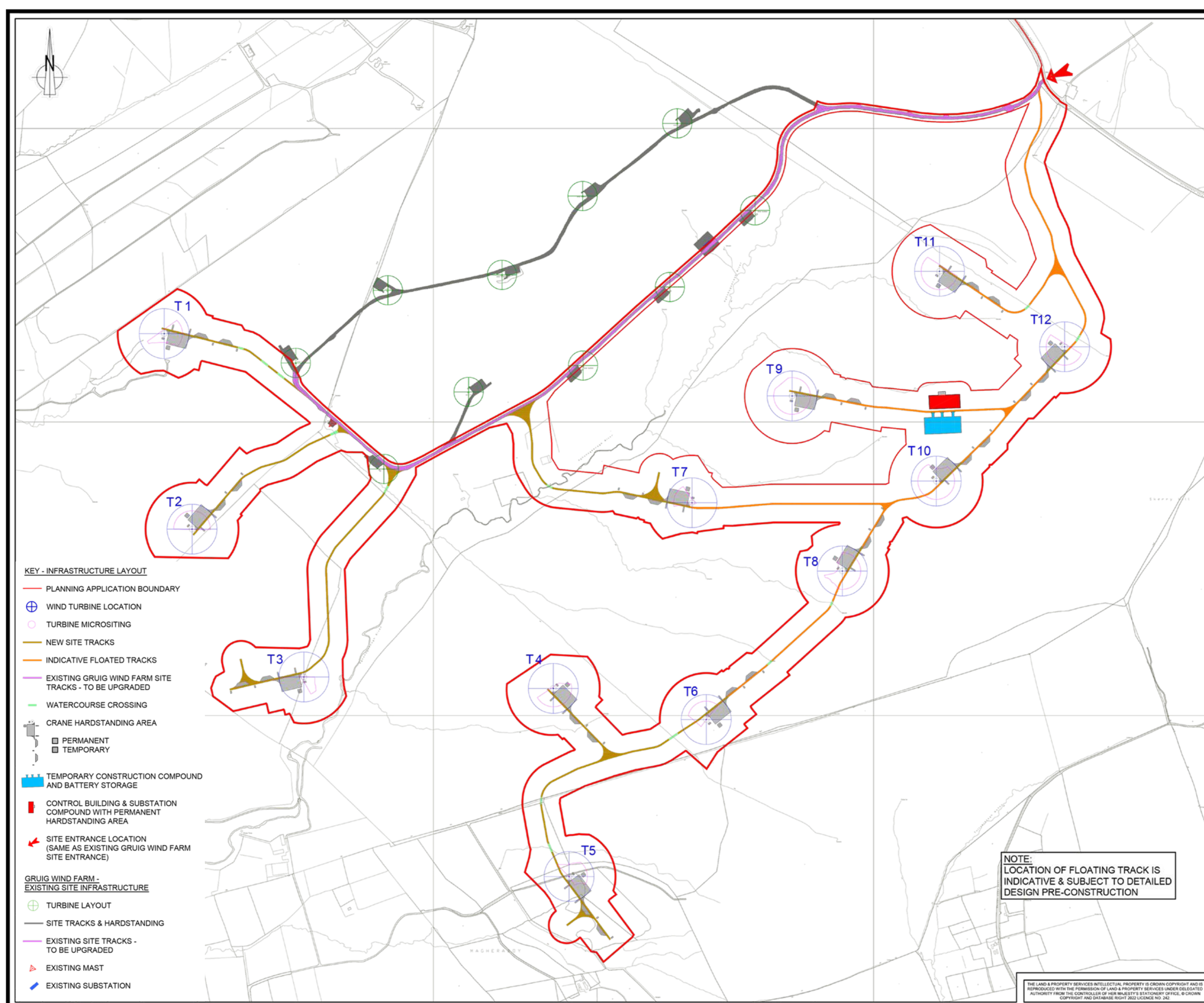
Design Layout and Infrastructure

The wind farm proposal is for 12 turbines up to 180m in height.

The proposed wind farm would share a site entrance and some infrastructure with Gruig Wind Farm, reducing the environmental footprint and traffic movements

The layout has been developed in response to feedback from stakeholders and the community along with the results of numerous environmental surveys that have been undertaken.

In addition to high-level necessities such as good wind-speeds, we have considered a number of site-specific features and buffers. These include turbines being located more than 1km from nearest properties, 50m from major watercourses and 10m from minor watercourses, and avoidance of areas of ecological interest and prominent hilltops.



Supply Chain Opportunities

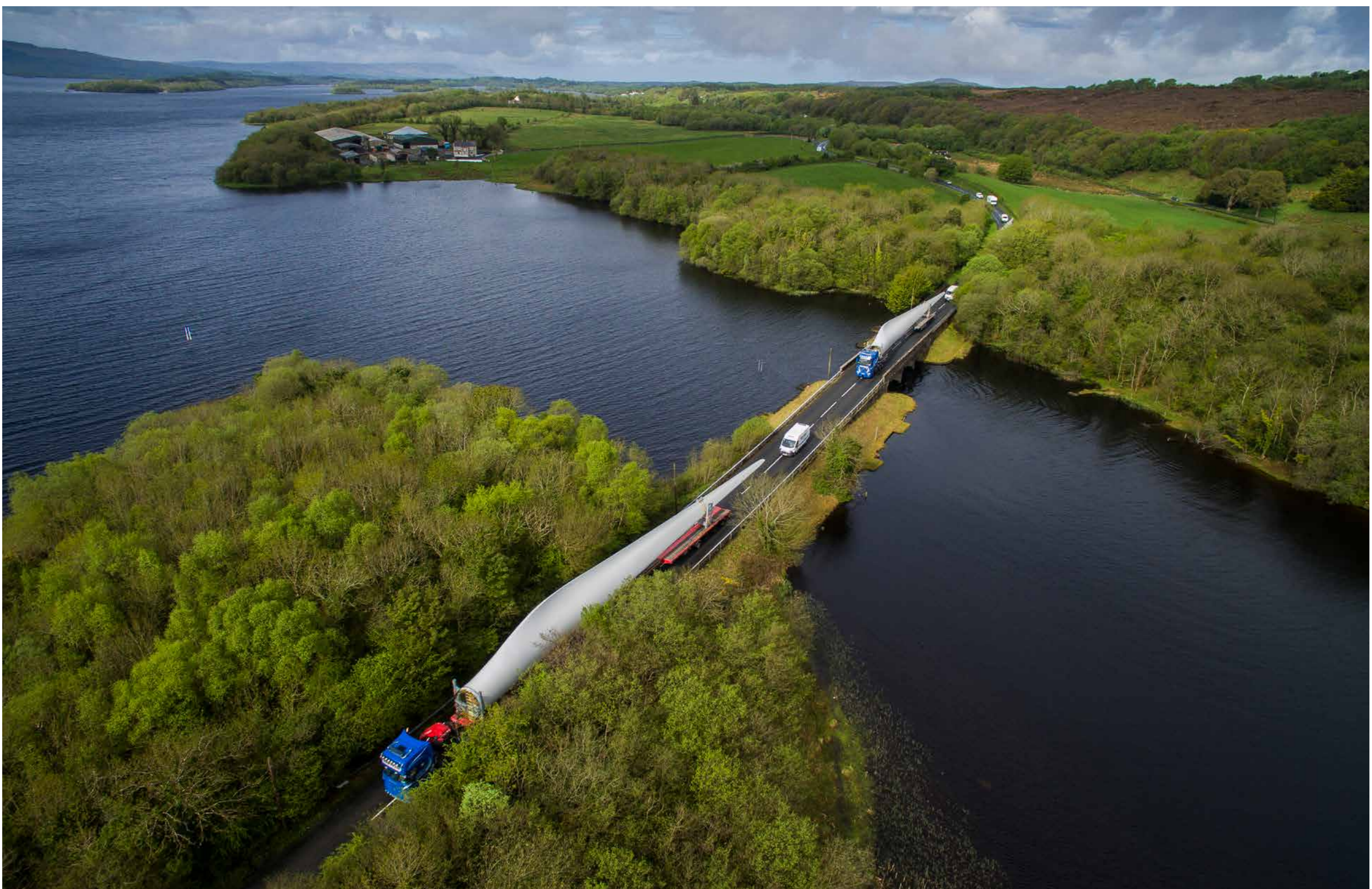
RES has a strong track-record of working closely with the local supply chain around its projects and maximising inward investment opportunities wherever possible.

Carnbuck Wind Farm has the potential to deliver approximately £3.3 million to the local area in the form of jobs, employment, and the use of local services.

RES is keen to hear from local businesses who are interested in learning more about the opportunities associated with the construction and operation of this project.

During the construction of Castlecraig Wind Farm, near Drumquin, over £3 million inward investment was realised into the local economy. The wind farm construction also provided employment for around 50 local people.

The construction of Altaveeden Wind Farm, near Loughguile was an economic success for local area, with £1.3 million invested directly into Co. Antrim with £772,000 of this spent within 5 miles of the site. A number of local contractors were used including P. Keenan and Sons, F.P. McCann and William and Henry Alexander (Civil Engineering) Limited.



Turbine deliveries at Castlecraig Wind Farm, near Drumquin, where £3 million inward investment was realised into the local economy

Traffic and Transport

Access is one of the key considerations when selecting a potential wind farm site, particularly with regard to the turbine deliveries.

The preferred access point and turbine delivery route are shown on the map below.

A transport assessment will be undertaken as part of the Environmental Impact Assessment (EIA) process and, if the wind farm is given consent, a detailed Traffic Management Plan will be agreed with the highways authorities and the police, and in consultation with the local community.

Wherever reasonably practicable we will use materials available on site and source construction materials locally in order to help reduce traffic movements.



Why Wind?



Wind is a free and inexhaustible resource which has an important role to play as part of a balanced energy mix.



Tackling Climate Change by supporting Northern Ireland's Climate Bill, which has a target of 80% of electricity consumption from renewable sources by 2030.



Can be quick to deploy.



Onshore wind, alongside large-scale solar and offshore wind are now the cheapest forms of new electricity generation¹.



Enables us to generate our own electricity reducing reliance on imports and improving security of supply.

Northern Ireland consumers avoided paying £500 million to import gas last year because wind farms provided nearly 42% of our electricity².



Bunnyconnellen Wind Farm, Co. Mayo. For illustrative purposes only

¹ https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/911817/electricity-generation-cost-report-2020.pdf

² (<https://renewableni.com/wind-saves-ni-500m-in-2022/>)

Renewables

Good for Northern Ireland's environment, economy & consumers

RES has been playing a pivotal role in providing Northern Ireland with renewable energy since the early 1990s. Working together with businesses based in Northern Ireland our projects contribute to the local economy and utilise our home-grown energy sources.

With the urgent need to escalate decarbonisation, RES remains committed to being part of Northern Ireland's energy future and business growth, through maximising contributions from renewable energy.



WIND



SOLAR



STORAGE

www.res-group.com

For more information

028 2844 0580 | info@res-group.com

res
power for good



CARNBUCK WIND FARM

Figure 4.6 (page 2 of 2)

Zone of Theoretical Visibility
15 km radius, blade tip height

KEY

- Carnbuck proposed turbines
- LVIA Viewpoint Locations (detailed in Figure 4.3)

Zone of Theoretical Visibility of:

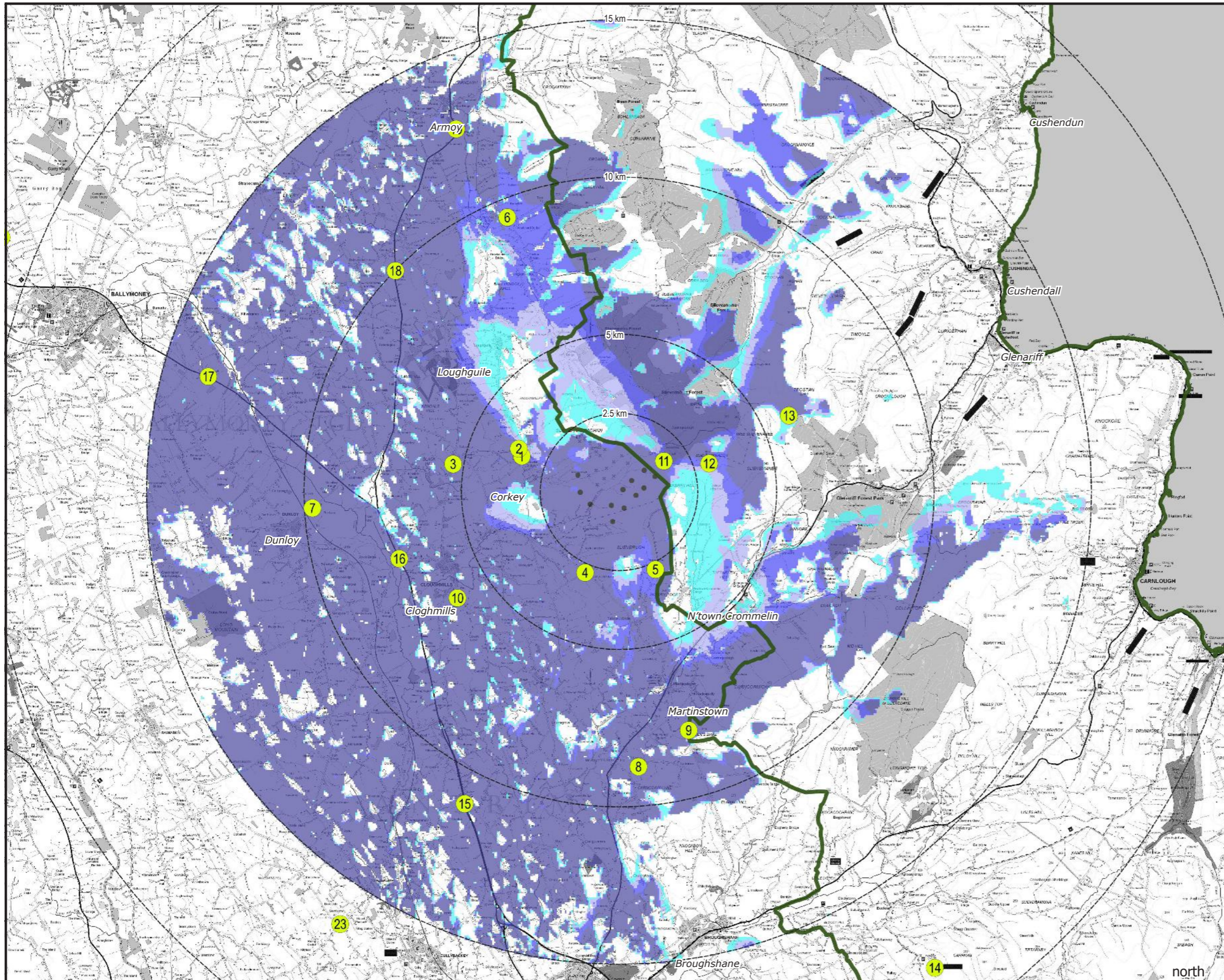
- 1 - 3 turbines across 4.99 % of Study Area
- 4 - 6 turbines across 4.07 % of Study Area
- 7 - 9 turbines across 5.84 % of Study Area
- 10 - 12 turbines across 42.58 % of Study Area

Total area with theoretical visibility of at least 1 blade tip: 57.48 %

Areas with no visibility are unshaded: 42.52 %

- Antrim Coast and Glens Area of Outstanding Natural Beauty

Percentage of total AONB with theoretical blade tip visibility: 13.38 %



NOTES:

Turbine dimensions illustrated for Carnbuck: 180 m max. tip height above ground level; 138 m rotor diameter; 111 m hub height

This Figure must be viewed in conjunction with the analysis of landscape and visual effects contained in Chapter 4 of the Environmental Statement and the detailed methodology for the preparation of visualisations contained in Technical Appendix 4.2.

Shanti McAllister
landscape planning
and design Ltd.

**LANDSCAPE AND VISUAL
IMPACT ASSESSMENT**

DRAWN / APPROVED: SMc / FS	DATE: July 2022	SCALE & PRINT SIZE: 1:125,000 @ A3	REVISION: A
TURBINE LAYOUT NO: pNIRgrx047		0 5km	

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CARBUCK WIND FARM

Figure 4.6 (page 1 of 2)

Zone of Theoretical Visibility 15 km radius, hub height

KEY

Carnbuck proposed turbines

LVIA Viewpoint Locations (detailed in Figure 4.3)

Zone of Theoretical Visibility of:

- 1 - 3 turbines across 6.99 % of Study Area
- 4 - 6 turbines across 7.52 % of Study Area
- 7 - 9 turbines across 8.32 % of Study Area
- 10 - 12 turbines across 26.92 % of Study Area

Total area with theoretical visibility of at least 1 hub: 49.75 %

Areas with no visibility are unshaded: 50.25 %

Antrim Coast and Glens Area of Outstanding Natural Beauty

Percentage of total AONB with theoretical hub height visibility: 9.55 %

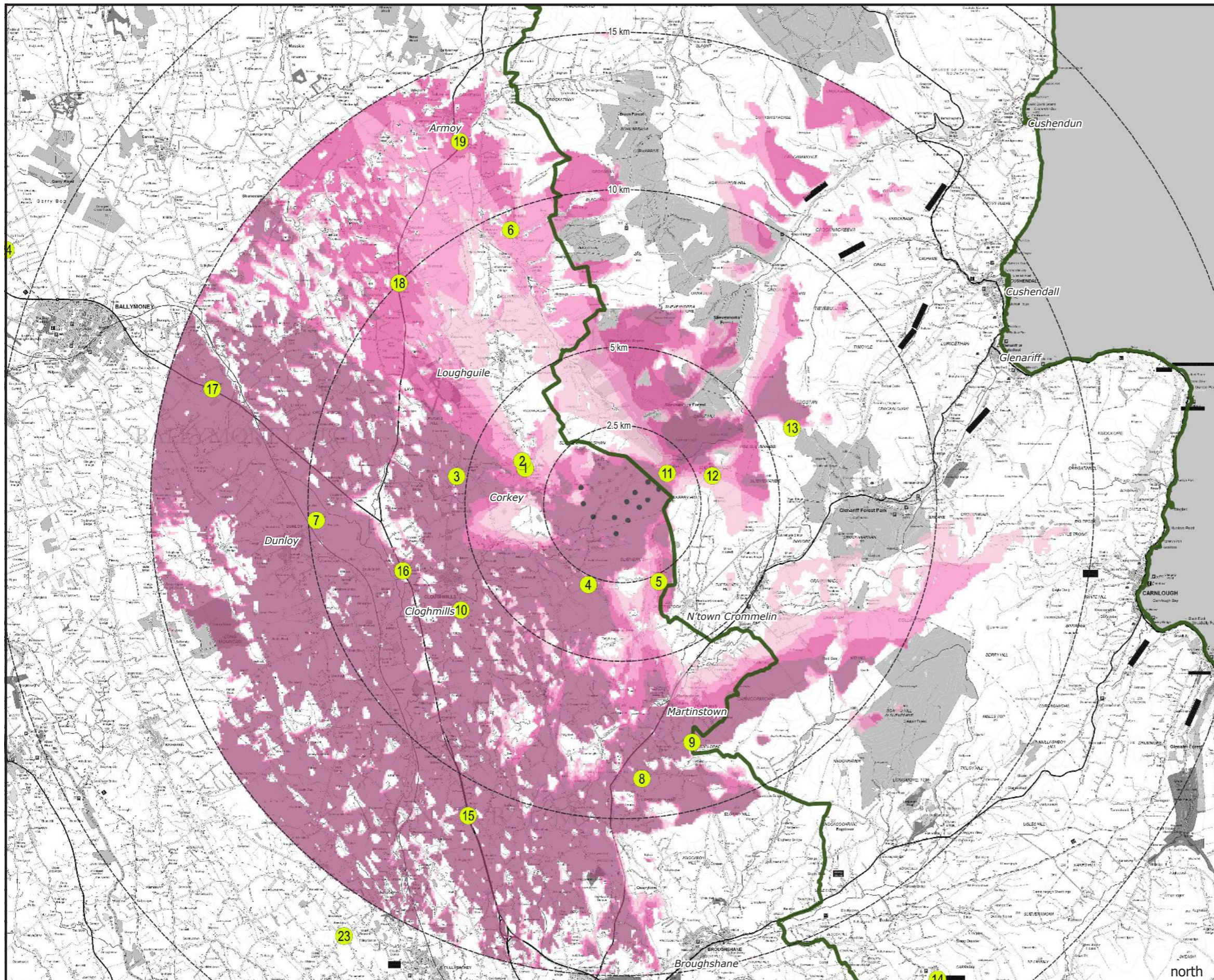
Shanti McAllister
landscape planning
and design ltd.

LANDSCAPE AND VISUAL IMPACT ASSESSMENT

DRAWN / APPROVED: SMc / FS	DATE: July 2022	SCALE & PRINT SIZE: 1:125,000 @ A3	REVISION: A
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TURBINE LAYOUT NO: pNIRgrx047	0	5km
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NOTES:

Turbine dimensions illustrated for Carnbuck: 180 m max. tip height above ground level; 138 m rotor diameter; 111 m hub height

This Figure must be viewed in conjunction with the analysis of landscape and visual effects contained in Chapter 4 of the Environmental Statement and the detailed methodology for the preparation of visualisations contained in Technical Appendix 4.2.










CARNBUCK WIND FARM

Figure 4.9 (page 1 of 3)

Cumulative Zone of Theoretical Visibility: Existing and Consented Cluster of Wind Farms at Gruig* 30 km radius, blade tip height

KEY

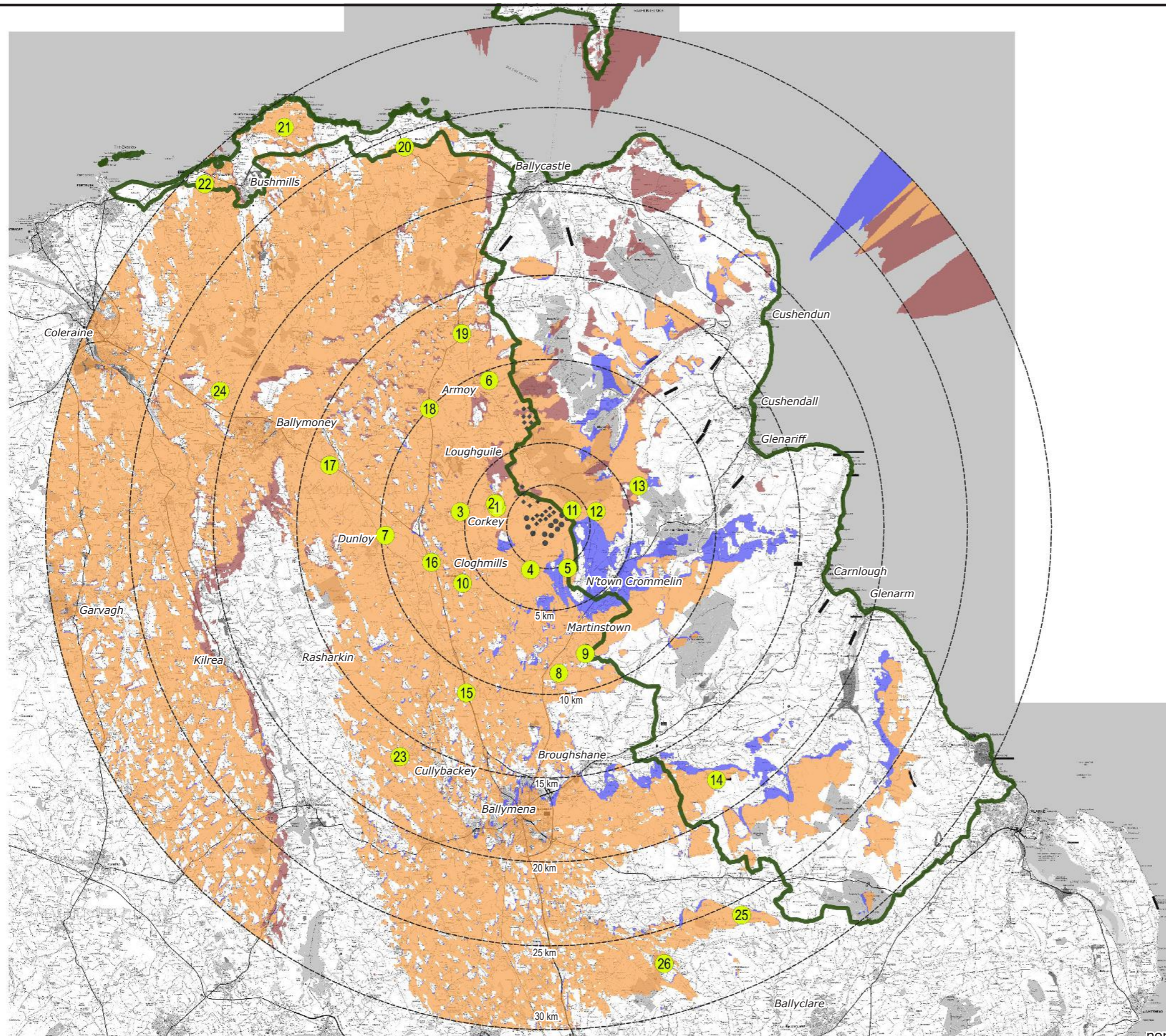
-  Carnbuck proposed turbines
-  LVIA Viewpoint Locations (detailed in Figure 4.3)
-  Existing and consented wind farms (detailed in Figure 4.4)
- Zone of Theoretical Visibility of:
 -  Existing and consented wind farms* where Carnbuck would not be visible: 4.04 %
 -  Carnbuck where there is already visibility of other wind farms: 38.03 %
 - Total area with theoretical visibility of other wind farms: 42.07 %
 -  Additional visibility of Carnbuck where there is no visibility of other wind farms: 2.74%
 - Total area within 30 km with theoretical visibility of Carnbuck: 40.77%
 - Parts of Study Area with no visibility of any wind farms are unshaded: 55.19 %
-  Areas of Outstanding Natural Beauty

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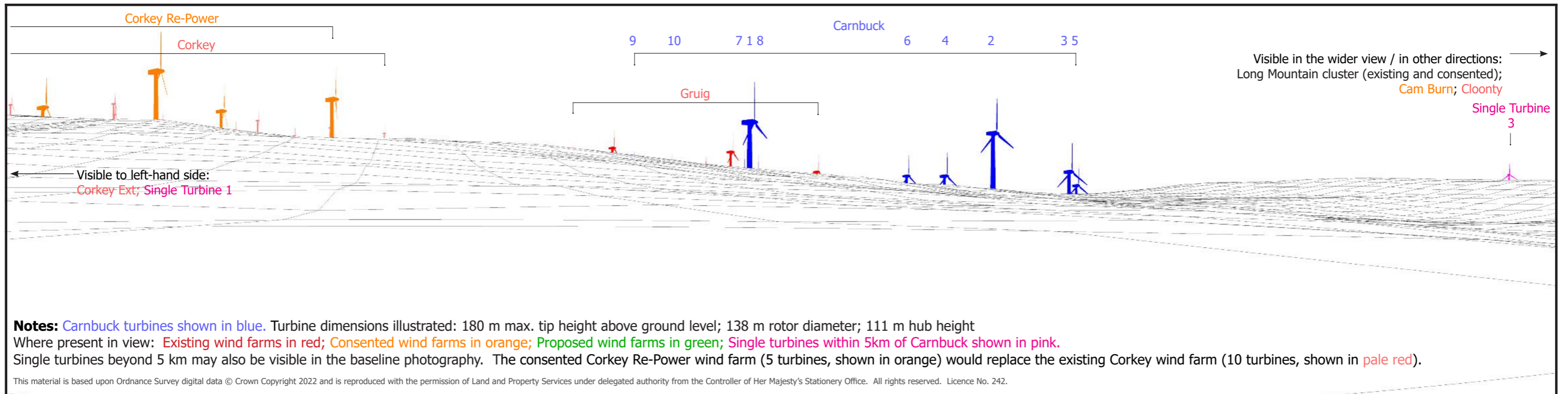
LANDSCAPE AND VISUAL IMPACT ASSESSMENT

DRAWN / APPROVED: SMc / FS	DATE: July 2022	SCALE & PRINT SIZE: 1:250,000 @ A3	REVISION: A
TURBINE LAYOUT NO: pNIRgrx047		0 5 10km	

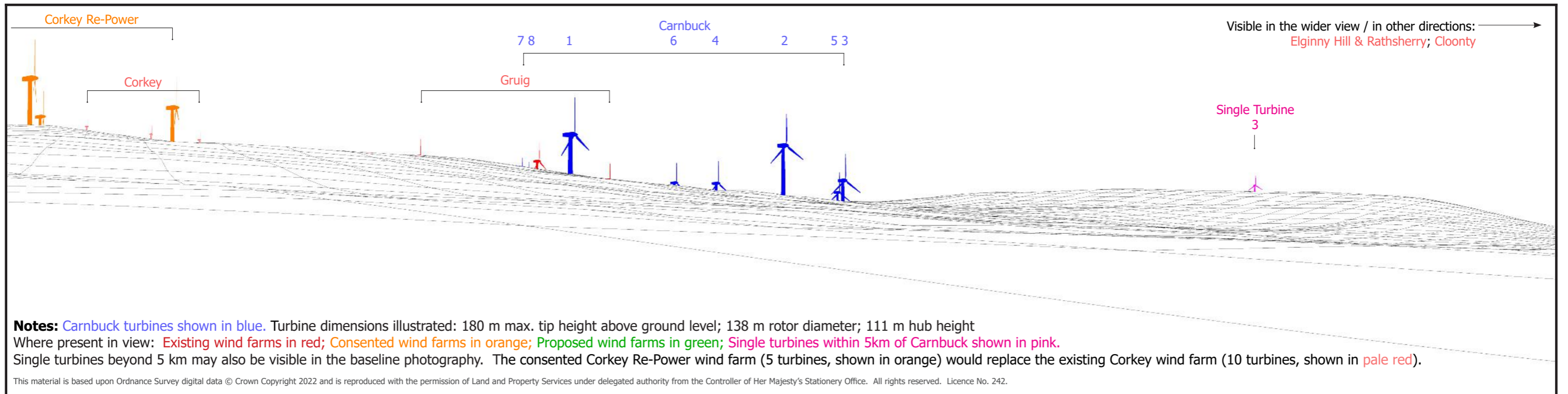
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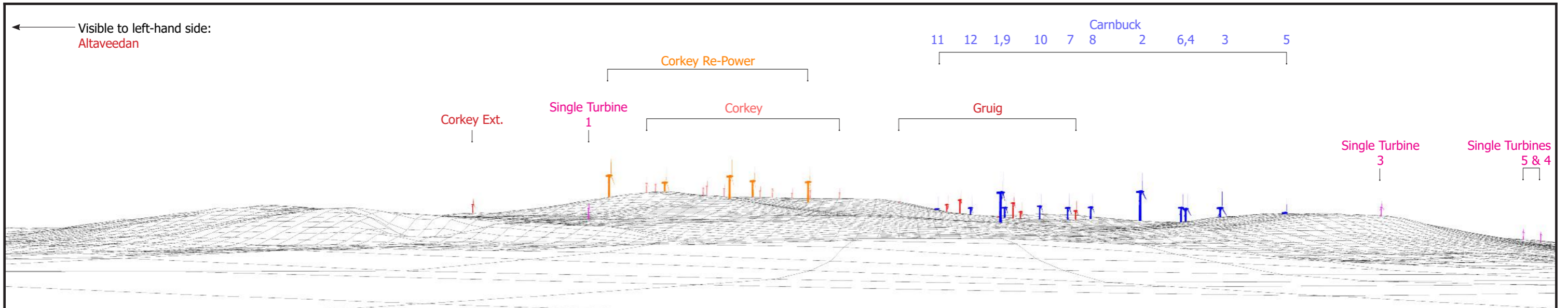
NOTES: Turbine dimensions illustrated for Carnbuck: 180 m max. tip height above ground level; 138 m rotor diameter; 111 m hub height
 *Gruig Cluster of wind farms includes: Existing wind farms at Altaveedan (9 turbines), Corkey Extension (1 turbine) and Gruig (10 turbines) and consented Corkey Re-Power wind farm (5 turbines) which would replace the existing 10-turbine Corkey wind farm. The latter is not included in this ZTV illustration.
 This Figure must be viewed in conjunction with the analysis of landscape and visual effects contained in Chapter 4 of the Environmental Statement and the detailed methodology for the preparation of visualisations contained in Technical Appendix 4.2.



Shanti McAllister landscape planning and design ltd.				CARNBUCK WIND FARM		Easting: 309094 Northing: 421639 Elevation A.O.D: 165 m Bearing: 110.29 ° Approx. Included Angle: 80 ° Approx. distance to nearest turbine: 1.87 km to T1					
LANDSCAPE AND VISUAL IMPACT ASSESSMENT				Figure 4.10							
VIEWPOINT 1 Corkey Village at Reservoir Road junction wireline and photomontage											
DRAWN / APPROVED: SMc / FS	DATE: July 2022	PRINT SIZE: A3	REVISION: B	NOTE: This Figure must be viewed at a comfortable arms length and in conjunction with the analysis of landscape and visual effects contained in Chapter 4 of the Environmental Statement and the detailed methodology for the preparation of visualisations contained in Technical Appendix 4.2, in particular the paragraphs referencing Scottish Natural Heritage Guidance regarding the limitations of visualisations.							
TURBINE LAYOUT NO: pNIRgrx047				THIS DRAWING IS THE PROPERTY OF RENEWABLE ENERGY SYSTEMS LTD. AND NO REPRODUCTION MAY BE MADE IN WHOLE OR IN PART WITHOUT PERMISSION							



Shanti McAllister landscape planning and design ltd.				CARNBUCK WIND FARM		Easting: 308997 Northing: 421871 Elevation A.O.D: 169 m Bearing: 113.33 ° Approx. Included Angle: 80 ° Approx. distance to nearest turbine: 2.04 km to T1			
LANDSCAPE AND VISUAL IMPACT ASSESSMENT				Figure 4.11 VIEWPOINT 2 Corkey Village at Ballyweeny Road junction wireline and photomontage		<p>NOTE: This Figure must be viewed at a comfortable arms length and in conjunction with the analysis of landscape and visual effects contained in Chapter 4 of the Environmental Statement and the detailed methodology for the preparation of visualisations contained in Technical Appendix 4.2, in particular the paragraphs referencing Scottish Natural Heritage Guidance regarding the limitations of visualisations.</p>			
<small>DRAWN / APPROVED:</small> SMc / FS	<small>DATE:</small> July 2022	<small>PRINT SIZE:</small> A3	<small>REVISION:</small> B	<small>THIS DRAWING IS THE PROPERTY OF RENEWABLE ENERGY SYSTEMS LTD. AND NO REPRODUCTION MAY BE MADE IN WHOLE OR IN PART WITHOUT PERMISSION</small>					



Notes: Carnbuck turbines shown in blue. Turbine dimensions illustrated: 180 m max. tip height above ground level; 138 m rotor diameter; 111 m hub height
 Where present in view: Existing wind farms in red; Consented wind farms in orange; Proposed wind farms in green; Single turbines within 5km of Carnbuck shown in pink.
 Single turbines beyond 5 km may also be visible in the baseline photography. The consented Corkey Re-Power wind farm (5 turbines, shown in orange) would replace the existing Corkey wind farm (10 turbines, shown in pale red).

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**LANDSCAPE AND VISUAL
 IMPACT ASSESSMENT**

DRAWN / APPROVED:	DATE:	PRINT SIZE:	REVISION:
SMc / FS	July 2022	A3	B

TURBINE LAYOUT NO:
 pNIRgrx047

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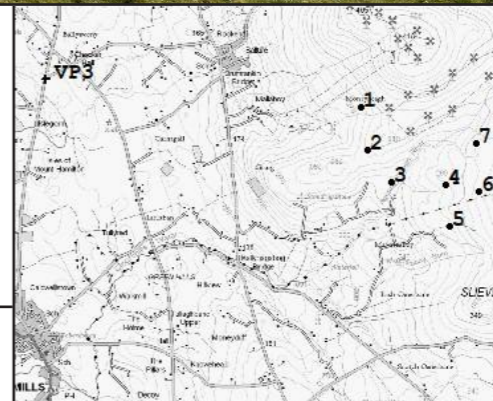
CARNBUCK WIND FARM

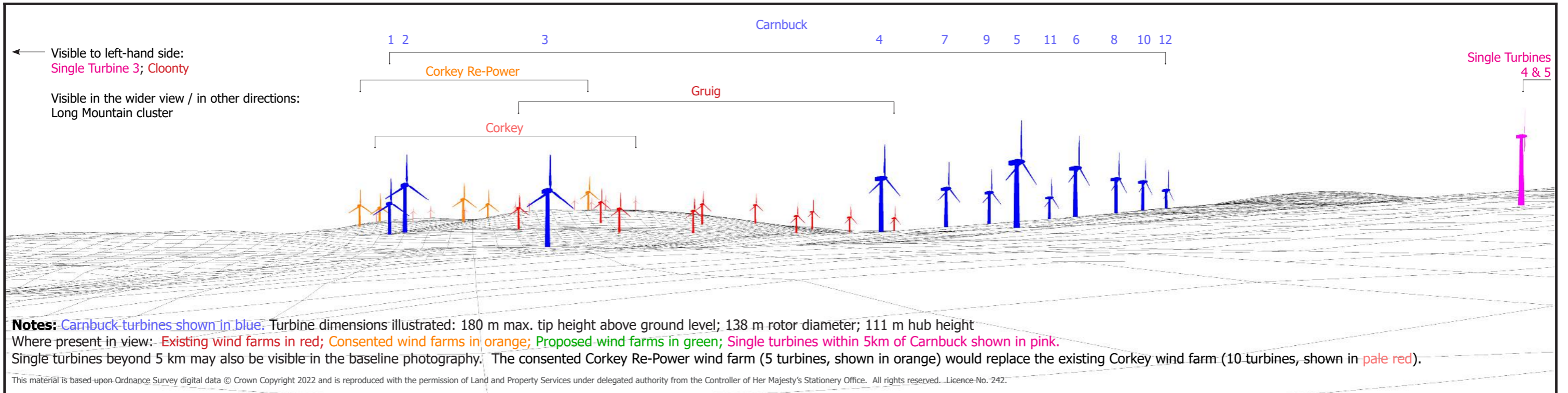
Figure 4.12

VIEWPOINT 3
Junction of Ballyweeny and Ballyveely Roads
 wireline and photomontage

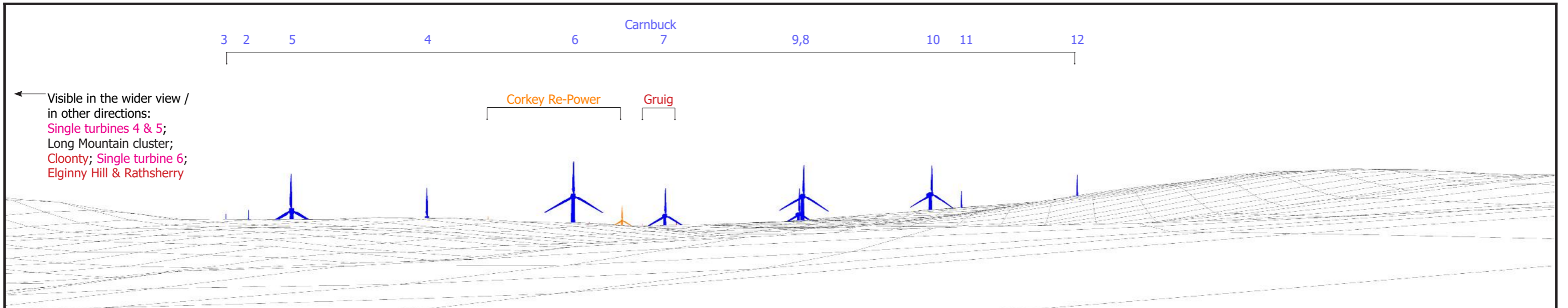
NOTE: This Figure must be viewed at a comfortable arms length and in conjunction with the analysis of landscape and visual effects contained in Chapter 4 of the Environmental Statement and the detailed methodology for the preparation of visualisations contained in Technical Appendix 4.2, in particular the paragraphs referencing Scottish Natural Heritage Guidance regarding the limitations of visualisations.

Easting:	306916
Northing:	421384
Elevation A.O.D	114 m
Bearing:	99.55 °
Approx. Included Angle:	80 °
Approx. distance to nearest turbine:	3.96 km to T1





Shanti McAllister landscape planning and design ltd.				CARNBUCK WIND FARM Figure 4.13 VIEWPOINT 4 Omerbane Road near Tullykittagh Road wireline and photomontage		Easting: 311099 Northing: 417932 Elevation A.O.D: 220 m Bearing: 22.84 ° Approx. Included Angle: 80 ° Approx. distance to nearest turbine: 1.84 km to T5					
LANDSCAPE AND VISUAL IMPACT ASSESSMENT				NOTE: This Figure must be viewed at a comfortable arms length and in conjunction with the analysis of landscape and visual effects contained in Chapter 4 of the Environmental Statement and the detailed methodology for the preparation of visualisations contained in Technical Appendix 4.2, in particular the paragraphs referencing Scottish Natural Heritage Guidance regarding the limitations of visualisations.							
DRAWN / APPROVED: SMc / FS	DATE: July 2022	PRINT SIZE: A3	REVISION: B	TURBINE LAYOUT NO: pNIRgrx047							
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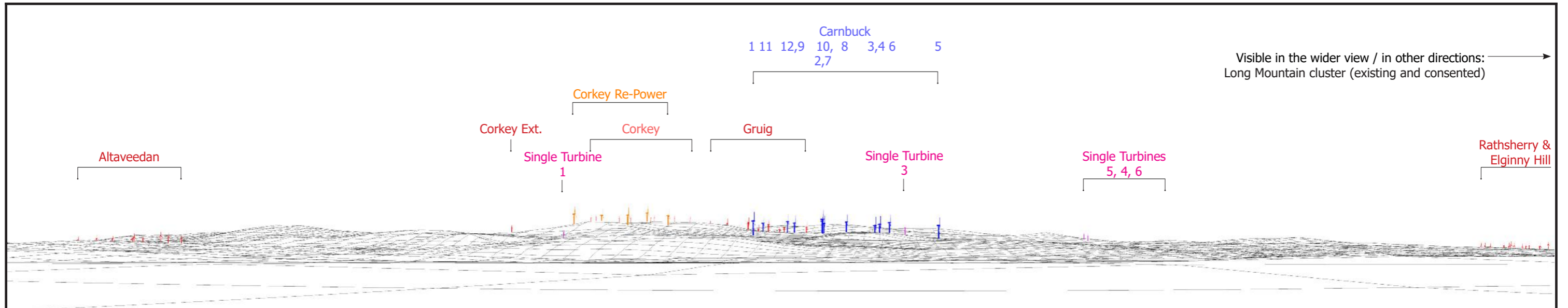


Notes: Carnbuck turbines shown in blue. Turbine dimensions illustrated: 180 m max. tip height above ground level; 138 m rotor diameter; 111 m hub height
 Where present in view: Existing wind farms in red; Consented wind farms in orange; Proposed wind farms in green; Single turbines within 5km of Carnbuck shown in pink.
 Single turbines beyond 5-km may also be visible in the baseline photography. The consented Corkey Re-Power wind farm (5 turbines, shown in orange) would replace the existing Corkey wind farm (10 turbines, shown in pale red).

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<p>Shanti McAllister landscape planning and design ltd.</p>	<p>CARNBUCK WIND FARM</p>		<p>Easting: 313336 Northing: 418032 Elevation A.O.D: 264 m Bearing: 337.75 ° Approx. Included Angle: 80 ° Approx. distance to nearest turbine: 2.05 km to T5</p>									
<p>LANDSCAPE AND VISUAL IMPACT ASSESSMENT</p> <table border="1"> <tr> <td>DRAWN / APPROVED:</td> <td>DATE:</td> <td>PRINT SIZE:</td> <td>REVISION:</td> </tr> <tr> <td>SMc / FS</td> <td>July 2022</td> <td>A3</td> <td>B</td> </tr> </table> <p>TURBINE LAYOUT NO: pNIRgrx047</p>	DRAWN / APPROVED:	DATE:	PRINT SIZE:	REVISION:		SMc / FS	July 2022	A3	B	<p>Figure 4.14</p> <p>VIEWPOINT 5</p> <p>Skerry West at Omerbane Road junction wireline and photomontage</p>		<p>NOTE: This Figure must be viewed at a comfortable arms length and in conjunction with the analysis of landscape and visual effects contained in Chapter 4 of the Environmental Statement and the detailed methodology for the preparation of visualisations contained in Technical Appendix 4.2, in particular the paragraphs referencing Scottish Natural Heritage Guidance regarding the limitations of visualisations.</p>
DRAWN / APPROVED:	DATE:	PRINT SIZE:	REVISION:									
SMc / FS	July 2022	A3	B									

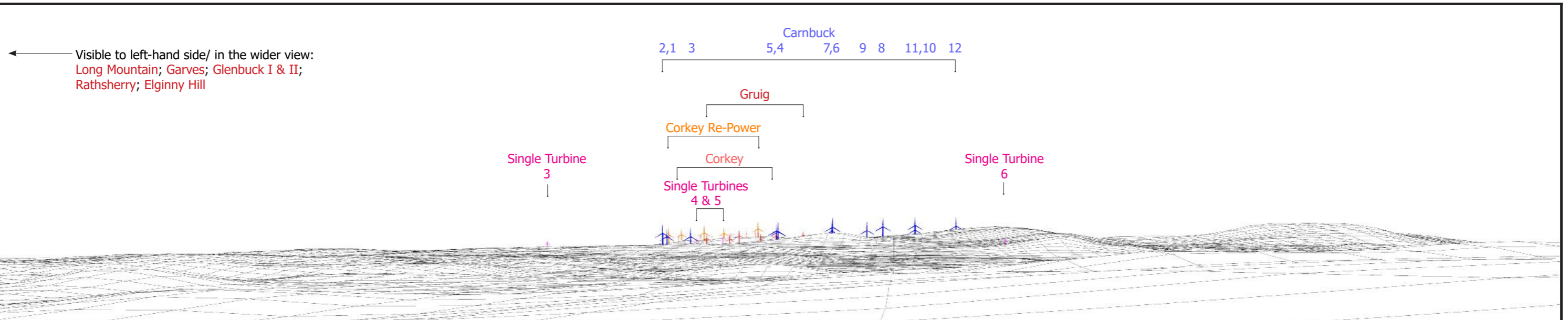


Notes: Carnuck turbines shown in blue. Turbine dimensions illustrated: 180 m max. tip height above ground level; 138 m rotor diameter; 111 m hub height
 Where present in view: Existing wind farms in red; Consented wind farms in orange; Proposed wind farms in green; Single turbines within 5km of Carnuck shown in pink.
 Single turbines beyond 5 km may also be visible in the baseline photography. The consented Corkey Re-Power wind farm (5 turbines, shown in orange) would replace the existing Corkey wind farm (10 turbines, shown in pale red).

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Shanti McAllister landscape planning and design ltd.				CARNBUCK WIND FARM		Easting: 302448 Northing: 419977 Elevation A.O.D: 92 m Bearing: 86.93 ° Approx. Included Angle: 80 ° Approx. distance to nearest turbine: 8.48 km to T1					
LANDSCAPE AND VISUAL IMPACT ASSESSMENT				Figure 4.16							
VIEWPOINT 7 Dunloy Village wireline and photomontage											
DRAWN / APPROVED: SMc / FS	DATE: July 2022	PRINT SIZE: A3	REVISION: B	NOTE: This Figure must be viewed at a comfortable arms length and in conjunction with the analysis of landscape and visual effects contained in Chapter 4 of the Environmental Statement and the detailed methodology for the preparation of visualisations contained in Technical Appendix 4.2, in particular the paragraphs referencing Scottish Natural Heritage Guidance regarding the limitations of visualisations.							
TURBINE LAYOUT NO: pNIRgrx047				THIS DRAWING IS THE PROPERTY OF RENEWABLE ENERGY SYSTEMS LTD. AND NO REPRODUCTION MAY BE MADE IN WHOLE OR IN PART WITHOUT PERMISSION							



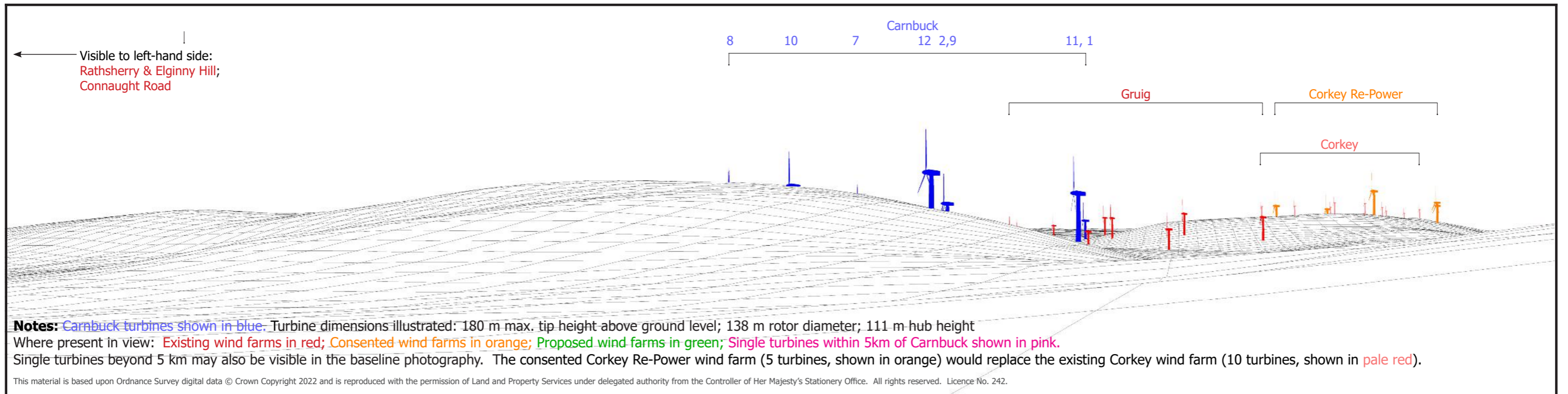
← Visible to left-hand side/ in the wider view:
 Long Mountain; Garves; Glenbuck I & II;
 Rathsherry; Elginny Hill

Notes: Carnuck turbines shown in blue. Turbine dimensions illustrated: 180 m max. tip height above ground level; 138 m rotor diameter; 111 m hub height
 Where present in view: Existing wind farms in red; Consented wind farms in orange; Proposed wind farms in green; Single turbines within 5km of Carnuck shown in pink.
 Single turbines beyond 5 km may also be visible in the baseline photography. The consented Corkey Re-Power wind farm (5 turbines, shown in orange) would replace the existing Corkey wind farm (10 turbines, shown in pale red).

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Shanti McAllister landscape planning and design ltd.				CARNBUCK WIND FARM		Easting: 312801 Northing: 411771 Elevation A.O.D: 149 m Bearing: 355.93 ° Approx. Included Angle: 80 ° Approx. distance to nearest turbine: 7.83 km to T5			
LANDSCAPE AND VISUAL IMPACT ASSESSMENT				Figure 4.17					
DRAWN / APPROVED: SMc / FS DATE: July 2022 PRINT SIZE: A3 REVISION: B				VIEWPOINT 8 Killygore Road near A43 at Martinstown wireline and photomontage					
TURBINE LAYOUT NO: pNIRgrx047				NOTE: This Figure must be viewed at a comfortable arms length and in conjunction with the analysis of landscape and visual effects contained in Chapter 4 of the Environmental Statement and the detailed methodology for the preparation of visualisations contained in Technical Appendix 4.2, in particular the paragraphs referencing Scottish Natural Heritage Guidance regarding the limitations of visualisations.					



Shanti McAllister landscape planning and design ltd.				CARNBUCK WIND FARM Figure 4.21 VIEWPOINT 12 Old Cushendun Road to north of Altnahinch Road wireline and photomontage		Easting: 315039 Northing: 421403 Elevation A.O.D: 405 m Bearing: 252.43 ° Approx. Included Angle: 80 ° Approx. distance to nearest turbine: 1.76 km to T12					
LANDSCAPE AND VISUAL IMPACT ASSESSMENT				NOTE: This Figure must be viewed at a comfortable arms length and in conjunction with the analysis of landscape and visual effects contained in Chapter 4 of the Environmental Statement and the detailed methodology for the preparation of visualisations contained in Technical Appendix 4.2, in particular the paragraphs referencing Scottish Natural Heritage Guidance regarding the limitations of visualisations.							
DRAWN / APPROVED: SMc / FS	DATE: July 2022	PRINT SIZE: A3	REVISION: B								
TURBINE LAYOUT NO: pNIRgrx047											
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Wind farm noise in many circumstances may be inaudible or effectively 'masked' by the background noise already present in the surrounding environment. We take care to ensure noise levels from wind turbines are within recommended limits and comply with planning policy. At the Wind Farm we undertook a noise impact assessment in accordance with relevant guidance and in consultation with the local councils Environmental Health Department.

The results from these surveys enabled us to gain an understanding of the existing noise environment and feed into the design of the wind farm. As a result of the existing background noise levels and the distances from the surrounding properties, the proposed wind farm will comply with the relevant guidance on wind farm noise.

The best way to get an understanding of how a wind farm sounds is to visit one. Please let us know if you would be interested in a visit or if you would like to discuss the noise assessment in more detail.

HOW LOUD IS WIND FARM NOISE?

Wind farm noise is, comparatively, generally low.

Source / Activity	Indicative noise level dB (A)
Threshold of hearing	0
Rural night-time background	20-40
Quiet bedroom	35
Wind farm at 350 metres	35-45
Car at 40mph at 100 metres	55
Busy general office	60
Truck at 30mph at 100 metres	65
Pneumatic drill at 7 metres	95
Jet aircraft at 250 metres	105
Threshold of pain	140

PPS22 ("Planning for Renewable Energy - A Companion Guide to PPS22", Office of the Deputy Prime Minister, August 2004)



Gruig Wind Farm, County Antrim, Northern Ireland | Photo: RES / For illustrative purposes only

As part of the planning process, RES is required to undertake an Environmental Impact Assessment (EIA). The purpose of an EIA is to investigate and alleviate any potential effects of a development on the natural, physical and human environment.

EIA includes the following assessments*:

- » Ecology
- » Ornithology
- » Fisheries
- » Hydrology
- » Geotechnical
- » Landscape and visual
- » Archaeology and cultural heritage
- » Socioeconomic

The results of these surveys will be included in the Environmental Statement which will form part of any planning application that is submitted.

*For further detail of the environmental studies carried out to date please speak to one of our staff members who will talk you through our design process.



Photo: Badger / Shutterstock image (for illustrative purposes only)

We believe in meaningful and effective consultation

The aims of our consultation process are to:

- » Engage with the local community to facilitate a constructive consultation process to help identify and understand concerns.
- » Assist the local community in understanding the benefits and impacts of the proposed wind farm.
- » Add value and improve the quality of our proposal through meaningful and productive consultation.

The first stage in the consultation process is to submit a Proposal of Application Notice (PAN) to the Local Planning Authority which sets out how we will consult with the local community over our plans. Before we submit a planning application we will create a Pre-Application Community Consultation (PACC) Report, that documents the community engagement process and any steps we have taken to adapt our proposal.

At this stage we are inviting the local community to submit comments directly to RES. Once an application is submitted there will be the opportunity to submit representations to the Local Planning Authority. Listening to what the local and wider community have to say about our proposals is an integral part of the consultation process and we welcome your comments and suggestions.

We are keen to understand your views on the proposal and the information available at this exhibition. Please take a few minutes to fill out a feedback form with your comments.

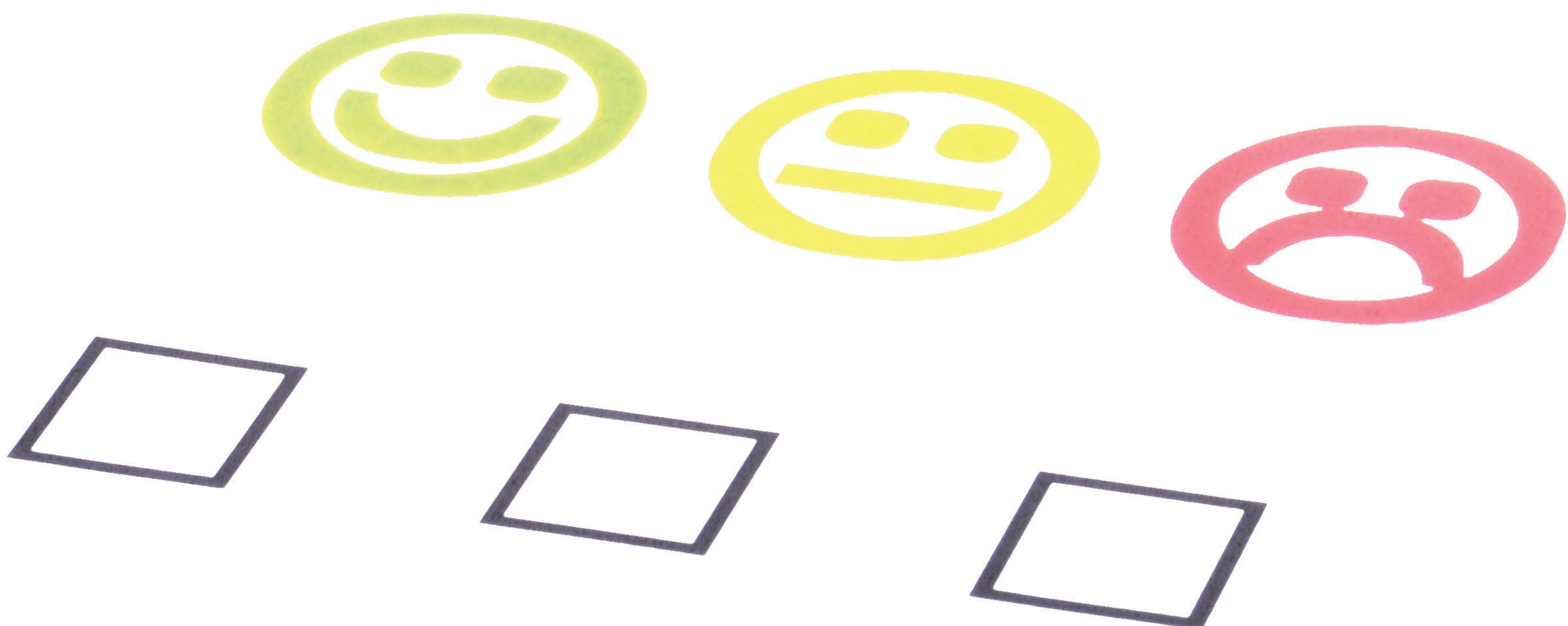


Photo: Shutterstock image (for illustrative purposes only)

Appendix L: Redacted copies of the comment forms - Second Exhibition

RES believes in meaningful and productive consultation, and we aim to engage early with the local community and key stakeholders in order to facilitate constructive consultation. This helps to identify issues and concerns, as well as benefits and opportunities, which we can then consider when developing the design of the proposal.

Feedback from the local community is an important part of our pre-application consultation and we would be grateful if you could take the time to fill out this comments form with your feedback. The closing date for comments is 9th February 2023 at 5pm. Comments will still be accepted after this date but may not be considered in relation to the design development.

Please note that comments submitted to RES at this time are not representations to the determining authority (Strategic Planning Directorate Department for Infrastructure). There will be an opportunity to submit representations to the determining authority when the application is made.

1 Carnbuck Wind Farm public exhibition

1.1 How did you find out about our public exhibition?

- Newsletter through the door
- Advert in local newspaper
- Project website - www.carnbuck-windfarm.co.uk
- Word of mouth
- Other (please specify)

1.2 Before visiting the exhibition how would you describe your knowledge of the proposed Carnbuck Wind Farm?

- Knew a lot
- Knew quite a lot
- Knew a little
- Knew very little
- Knew nothing at all

1.3 Having visited the exhibition, to what extent do you feel you have increased your understanding about the proposed Carnbuck Wind Farm?

- A lot
- Quite a lot
- A little
- Very little
- Nothing at all

1.4 Do you have any suggestions for ways in which we could have improved our exhibition?

2 Carnbuck Wind Farm Proposal

Your views on the Carnbuck Wind Farm proposal - specifically the layout of the project where people's comments can have a direct influence - will be considered in relation to the design development of the project.

2.1 What do you think about the proposed design layout of Carnbuck Wind Farm?

- I am happy with the proposed layout
- I am neutral towards the proposed layout
- I have concerns about the proposed layout
- I don't like wind farms in general

Further comments:

2.2 Please provide us with any further suggestions or comments regarding the proposed Carnbuck Wind Farm

3 Local benefits

3.1 We firmly believe that wind farms should provide benefits locally and we are inviting feedback from the local communities on their priority projects and aims in the area, which we may be able to support. If you have any suggestions, please let us know in the box below.

Provide support to reduce energy bill to local residents.

4 Climate change, energy security and renewables

The below section is optional and designed to help us understand people's thoughts on how renewables can help to tackle climate change and improve energy security.

4.1 Do you agree that we are facing a global climate change emergency?

- I strongly agree
- I agree
- I don't know
- I disagree
- I strongly disagree

Further comments:

4.2 Do you agree that generating electricity from renewable sources, and reducing our reliance on fossil fuels, can help towards tackling the issue of climate change?

- I strongly agree
- I agree
- I don't know
- I disagree
- I strongly disagree

Further comments:

4.3 Do you agree that we need to develop onshore wind farms to support greater energy independence and security for the UK?

- I strongly agree
- I agree
- I don't know
- I disagree
- I strongly disagree

Further comments:

4.4 Do you agree that we need to develop onshore wind farms to cut energy bills?

- I strongly agree
- I agree
- I don't know
- I disagree
- I strongly disagree

Further comments:



Carnbuck Wind Farm Proposal Comments Form

5 Your details

Please provide your name and contact details below.

Your contact details will be treated by RES with the strictest of confidence, in line with the General Data Protection Regulations (GDPR) 2018. We may at times share your contact details, in confidence, with third parties who we employ to help process your comments or update you on the project and by providing your details below you consent to this. You may write to RES at any time to ask that your contact details be removed from our records and from any third parties we work with.

If you would like to be kept up to date with the project, please tick this box

When you have completed the comments form, please send by email to carey.green@res-group.com or by post to: Carnbuck Wind Farm Project Team, RES, Willowbank Business Park, Millbrook, Larne, County Antrim, BT40 2SF.

Thank you for taking the time to complete this comments form, your feedback is important to us.

RES believes in meaningful and productive consultation, and we aim to engage early with the local community and keystakeholders in order to facilitate constructive consultation. This helps to identify issues and concerns, as well as benefits and opportunities, which we can then consider when developing the design of the proposal.

Feedback from the local community is an important part of our pre-application consultation and we would be grateful if you could take the time to fill out this comments form with your feedback. The closing date for comments is 9th February 2023 at 5pm. Comments will still be accepted after this date but may not be considered in relation to the design development.

Please note that comments submitted to RES at this time are not representations to the determining authority (Strategic Planning Directorate Department for Infrastructure). There will be an opportunity to submit representations to the determining authority when the application is made.

1 Carnbuck Wind Farm public exhibition

1.1 How did you find out about our public exhibition?

- Newsletter through the door
- Advert in local newspaper
- Project website - www.carnbuck-windfarm.co.uk
- Word of mouth
- Other (please specify)

1.2 Before visiting the exhibition how would you describe your knowledge of the proposed Carnbuck Wind Farm?

- Knew a lot
- Knew quite a lot
- Knew a little
- Knew very little
- Knew nothing at all

1.3 Having visited the exhibition, to what extent do you feel you have increased your understanding about the proposed Carnbuck Wind Farm?

- A lot
- Quite a lot
- A little
- Very little
- Nothing at all

1.4 Do you have any suggestions for ways in which we could have improved our exhibition?

Perhaps had some literature to take away

2 Carnbuck Wind Farm Proposal

Your views on the Carnbuck Wind Farm proposal - specifically the layout of the project where people's comments can have a direct influence - will be considered in relation to the design development of the project.

2.1 What do you think about the proposed design layout of Carnbuck Wind Farm?

- I am happy with the proposed layout
- I am neutral towards the proposed layout
- I have concerns about the proposed layout
- I don't like wind farms in general

Further comments:

2.2 Please provide us with any further suggestions or comments regarding the proposed Carnbuck Wind Farm

Good for the future

3 Local benefits

3.1 We firmly believe that wind farms should provide benefits locally and we are inviting feedback from the local communities on their priority projects and aims in the area, which we may be able to support. If you have any suggestions, please let us know in the box below.

Not at the moment

4 Climate change, energy security and renewables

The below section is optional and designed to help us understand people's thoughts on how renewables can help to tackle climate change and improve energy security.

4.1 Do you agree that we are facing a global climate change emergency?

- I strongly agree
- I agree
- I don't know
- I disagree
- I strongly disagree

Further comments:

4.2 Do you agree that generating electricity from renewable sources, and reducing our reliance on fossil fuels, can help towards tackling the issue of climate change?

- I strongly agree
- I agree
- I don't know
- I disagree
- I strongly disagree

Further comments:

4.3 Do you agree that we need to develop onshore wind farms to support greater energy independence and security for the UK?

I strongly agree

I agree

I don't know

I disagree

I strongly disagree

Further comments:

4.4 Do you agree that we need to develop onshore wind farms to cut energy bills?

I strongly agree

I agree

I don't know

I disagree

I strongly disagree

Further comments:



Carnbuck Wind Farm Proposal Comments Form

5 Your details

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Thank you for taking the time to complete this comments form, your feedback is important to us.

RES believes in meaningful and productive consultation, and we aim to engage early with the local community and stakeholders in order to facilitate constructive consultation. This helps to identify issues and concerns, as well as benefits and opportunities, which we can then consider when developing the design of the proposal.

Feedback from the local community is an important part of our pre-application consultation and we would be grateful if you could take the time to fill out this comments form with your feedback. The closing date for comments is **9th February 2023 at 5pm**. Comments will still be accepted after this date but may not be considered in relation to the design development.

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1 Carnbuck Wind Farm public exhibition

1.1 How did you find out about our public exhibition?

- Newsletter through the door
- Advert in local newspaper
- Project website - www.carnbuck-windfarm.co.uk
- Word of mouth
- Other (please specify)

FACEBOOK PAGE - MILLENIUM CENTRE

1.2 Before visiting the exhibition how would you describe your knowledge of the proposed Carnbuck Wind Farm?

- Knew a lot
- Knew quite a lot
- Knew a little
- Knew very little
- Knew nothing at all

1.3 Having visited the exhibition, to what extent do you feel you have increased your understanding about the proposed Carnbuck Wind Farm?

- A lot
- Quite a lot
- A little
- Very little
- Nothing at all

1.4 Do you have any suggestions for ways in which we could have improved our exhibition?

No all in order.

2 Carnbuck Wind Farm Proposal

Your views on the Carnbuck Wind Farm proposal - specifically the layout of the project where people's comments can have a direct influence - will be considered in relation to the design development of the project.

2.1 What do you think about the proposed design layout of Carnbuck Wind Farm?

- I am happy with the proposed layout
- I am neutral towards the proposed layout
- I have concerns about the proposed layout
- I don't like wind farms in general

Further comments:

2.2 Please provide us with any further suggestions or comments regarding the proposed Carnbuck Wind Farm

Roads - particularly fixing potholes, as and when they appear rather than waiting to the end of the project needs attention.

Times going past the schools also need addressed with the schools

3 Local benefits

3.1 We firmly believe that wind farms should provide benefits locally and we are inviting feedback from the local communities on their priority projects and aims in the area, which we may be able to support. If you have any suggestions, please let us know in the box below.

RES - sponsored the u16 camogie team. These jerseys are not dated - would RES sponsor this group. - community fund?

4 Climate change, energy security and renewables

The below section is optional and designed to help us understand people's thoughts on how renewables can help to tackle climate change and improve energy security.

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- I strongly agree
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Further comments:

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- I strongly agree
- I agree
- I don't know
- I disagree
- I strongly disagree

Further comments:

4.3 Do you agree that we need to develop onshore wind farms to support greater energy independence and security for the UK?

- I strongly agree
- I agree
- I don't know
- I disagree
- I strongly disagree

Further comments:

4.4 Do you agree that we need to develop onshore wind farms to cut energy bills?

- I strongly agree
- I agree
- I don't know
- I disagree
- I strongly disagree

Further comments:

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If you would like to be kept up to date with the project, please tick this box

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Thank you for taking the time to complete this comments form, your feedback is important to us.

RES believes in meaningful and productive consultation, and we aim to engage early with the local community and key stakeholders in order to facilitate constructive consultation. This helps to identify issues and concerns, as well as benefits and opportunities, which we can then consider when developing the design of the proposal.

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1 Carnbuck Wind Farm public exhibition

1.1 How did you find out about our public exhibition?

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- Word of mouth
- Other (please specify)

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- Knew quite a lot
- Knew a little
- Knew very little
- Knew nothing at all

1.3 Having visited the exhibition, to what extent do you feel you have increased your understanding about the proposed Carnbuck Wind Farm?

- A lot
- Quite a lot
- A little
- Very little
- Nothing at all

1.4 Do you have any suggestions for ways in which we could have improved our exhibition?

2 Carnbuck Wind Farm Proposal

Your views on the Carnbuck Wind Farm proposal - specifically the layout of the project where people's comments can have a direct influence - will be considered in relation to the design development of the project.

2.1 What do you think about the proposed design layout of Carnbuck Wind Farm?

- I am happy with the proposed layout
- I am neutral towards the proposed layout
- I have concerns about the proposed layout
- I don't like wind farms in general

Further comments:

2.2 Please provide us with any further suggestions or comments regarding the proposed Carnbuck Wind Farm

3 Local benefits

- 3.1 We firmly believe that wind farms should provide benefits locally and we are inviting feedback from the local communities on their priority projects and aims in the area, which we may be able to support. If you have any suggestions, please let us know in the box below.

Already Submitted.

4 Climate change, energy security and renewables

The below section is optional and designed to help us understand people's thoughts on how renewables can help to tackle climate change and improve energy security.

- 4.1 Do you agree that we are facing a global climate change emergency?

- I strongly agree
 I agree
 I don't know
 I disagree
 I strongly disagree

Further comments:

- 4.2 Do you agree that generating electricity from renewable sources, and reducing our reliance on fossil fuels, can help towards tackling the issue of climate change?

- I strongly agree
 I agree
 I don't know
 I disagree
 I strongly disagree

Further comments:

4.3 Do you agree that we need to develop onshore wind farms to support greater energy independence and security for the UK?

- I strongly agree
- I agree
- I don't know
- I disagree
- I strongly disagree

Further comments:

4.4 Do you agree that we need to develop onshore wind farms to cut energy bills?

- I strongly agree
- I agree
- I don't know
- I disagree
- I strongly disagree

Further comments:



Carnbuck Wind Farm Proposal Comments Form

5 Your details

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If you would like to be kept up to date with the project, please tick this box



When you have completed the comments form, please send by email to carey.green@res-group.com or by post to: Carnbuck Wind Farm Project Team, RES, Willowbank Business Park, Millbrook, Larne, County Antrim, BT40 2SF.

Thank you for taking the time to complete this comments form, your feedback is important to us.

Appendix M: Images of Website - Second Consultation



This page is accessible on desktop and most mobile devices. For the best user experience, we recommend viewing from a desktop device. Information may not appear fully on some mobile devices. Electronic and hard copies of exhibition material are available, please contact us for more information.

Public Exhibition

We recently held a public exhibition in the local area to share information on the proposal and to enable people to provide us with their feedback. RES staff were on hand to answer any questions or for more information.

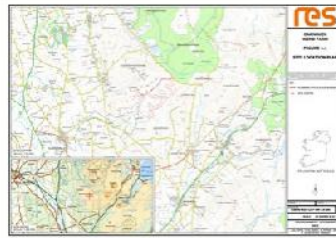
All information provided at the public exhibition is available to view below.

About the Project

RES is currently consulting on its plans for a proposed wind farm called Carnbuck located in the townlands of Carnbuck, Magheraboy and Monevneagh, near Corkay, Co. Antrim, adjacent to the existing Gruiú Wind Farm.

Carnbuck Wind Farm has been designed to generate reliable, renewable electricity, whilst minimising local impacts and maximising local benefits wherever possible.

The wind farm would be capable of generating around 50 megawatts (MW) of clean, green, low-cost renewable electricity. Equivalent to the electricity usage of around 55,000¹ homes each year.



[Click on image to enlarge](#)

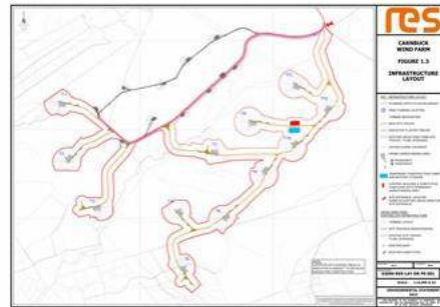
Design Layout and Infrastructure

The wind farm proposal is for 12 turbines up to 180m in height.

The proposed wind farm would share a site entrance and some infrastructure with Gruig Wind Farm, reducing the environmental footprint and traffic movements.

The layout has been developed in response to feedback from stakeholders and the community along with the results of numerous environmental surveys that have been undertaken.

In addition to high-level necessities such as good wind-speeds, we have considered a number of site-specific features and buffers. These include turbines being located more than 1km from nearest properties, 50m from major watercourses and 10m from minor watercourses, and avoidance of areas of ecological interest and prominent hilltops.



[Click on image to enlarge](#)

Environmental Studies

As part of the planning process, RES undertakes an Environmental Impact Assessment (EIA). The purpose of the EIA is to investigate and alleviate any potential effects of a development on the natural, physical and human environment. An EIA includes the following assessments:

- Ecology
- Ornithology
- Fisheries
- Hydrology
- Geotechnical
- Landscape and visual
- Archaeology and cultural heritage
- Socioeconomic

The results of these surveys will be included in the Environmental Statement which will form part of any planning application that is submitted.



Photo: Badger / Shutterstock image (for illustrative purposes only)

What Would the Wind Farm Look Like?

We have produced indicative visualisations to help give an impression of what the wind farm could look like from different viewpoints in the area. Click on the links below to view.

[Corkey Village at Reservoir Road junction](#)

[Corkey Village at Ballyweeny Road junction](#)

[Junction of Ballyweeny and Ballyveely Roads](#)

[Omerbane Road near Tullykittagh Road](#)

[Skerry West at Omerbane Road junction](#)

[Dunloy Village](#)

[Killygore Road near A43 at Martinstown](#)

[Old Cushendun Road to north of Altnahinch Road](#)



We have also produced indicative Zone of Theoretical Visibility (ZTV) Maps showing where the turbines could be visible from. Please note that this is based on bare land form without taking into account any screening effects of trees and buildings.

[ZTV, 15km radius, blade tip height](#)

[ZTV, 15km radius, hub height](#)

[Cumulative ZTV, 30km radius](#)

Traffic and Transport

Access is one of the key considerations when selecting a potential wind farm site, particularly with regard to the turbine deliveries.

The preferred access point and turbine delivery route are shown on the map to the right.

A transport assessment will be undertaken as part of the Environmental Impact Assessment (EIA) process and, if the wind farm is given consent, a detailed Traffic Management Plan will be agreed with the highways authorities and the police, and in consultation with the local community.

Wherever reasonably practicable we will use materials available on site and source construction materials locally in order to help reduce traffic movements.



[Click on image to enlarge](#)

Noise

Wind farm noise in many circumstances may be inaudible or effectively "masked" by the background noise already present in the surrounding environment. We take care to ensure noise levels from wind turbines are within recommended limits and comply with planning policy. For Carnbuck Wind Farm we have undertaken a noise impact assessment in accordance with relevant guidance and in consultation with the local council's Environmental Health Department.

The results from these surveys enables us to gain an understanding of the existing noise environment and feed into the design of the wind farm. As a result of the existing background noise levels and the distances from surrounding properties, the proposed wind farm will comply with the relevant guidance on wind farm noise.

HOW LOUD IS WIND FARM NOISE?

Wind farm noise is, comparatively, generally low.

Source / Activity	Indicative noise level dB (A)
Threshold of hearing	0
Rural night-time background	20-40
Quiet bedroom	35
Wind farm at 350 metres	35-45
Car at 40mph at 100 metres	55
Busy general office	60
Truck at 30mph at 100 metres	65
Pneumatic drill at 7 metres	95
Jet aircraft at 250 metres	105
Threshold of pain	140

Supply Chain Opportunities

RES has a strong track-record of working closely with the local supply chain around its projects and maximising inward investment opportunities wherever possible.

Carnbuck Wind Farm has the potential to deliver approximately £3.3 million to the local area in the form of jobs, employment, and the use of local services.

RES is keen to hear from local businesses who are interested in learning more about the opportunities associated with the construction and operation of this project.

During the construction of Castlecraig Wind Farm, near Drumquin, over £3 million inward investment was realised into the local economy. The wind farm construction also provided employment for around 50 local people.

The construction of Altaveeden Wind Farm, near Loughguile was an economic success for local area. with £1.3 million



Turbine deliveries at Castlecraig Wind Farm, near

Supply Chain Opportunities

RES has a strong track-record of working closely with the local supply chain around its projects and maximising inward investment opportunities wherever possible.

Carnbuck Wind Farm has the potential to deliver approximately £3.3 million to the local area in the form of jobs, employment, and the use of local services.

RES is keen to hear from local businesses who are interested in learning more about the opportunities associated with the construction and operation of this project.

During the construction of Castlecraig Wind Farm, near Drumquin, over £3 million inward investment was realised into the local economy. The wind farm construction also provided employment for around 50 local people.

The construction of Altaveeden Wind Farm, near Loughguile was an economic success for local area, with £1.3 million invested directly into Co. Antrim with £772,000 of this spent within 5 miles of the site. A number of local contractors were used including P. Keenan and Sons, F.P. McCann and William and Henry Alexander (Civil Engineering) Limited.



Turbine deliveries at Castlecraig Wind Farm, near Drumquin, where £3 million inward investment was realised into the local economy.

Why Wind?

Wind is a free and inexhaustible resource which has an important role to play as part of a balanced energy mix.

Tackling Climate Change by supporting Northern Ireland's Climate Bill, which has a target of 80% of electricity consumption from renewables sources by 2030.

Can be quick to deploy.

Onshore wind, alongside largescale solar and offshore wind are now the cheapest forms of new electricity generation².

Enables us to generate our own electricity reducing reliance on imports and improving security of supply.

Northern Ireland consumers avoided paying £500 million to import gas last year because wind farms provided nearly 47% of our electricity³.



Bunnyconnellen Wind Farm, Co. Mayo. For illustrative purposes only.

Why Wind?

Wind is a free and inexhaustible resource which has an important role to play as part of a balanced energy mix.

Tackling Climate Change by supporting Northern Ireland's Climate Bill, which has a target of 80% of electricity consumption from renewables sources by 2030.

Can be quick to deploy.

Onshore wind, alongside largescale solar and offshore wind are now the cheapest forms of new electricity generation².

Enables us to generate our own electricity reducing reliance on imports and improving security of supply.

Northern Ireland consumers avoided paying £500 million to import gas last year because wind farms provided nearly 42% of our electricity³.



Bunnyconnellen Wind Farm, Co. Mayo. For illustrative purposes only.

RES in Northern Ireland

RES has been playing a pivotal role in providing Northern Ireland with renewable energy since the early 1990s.

Working together with businesses based in Northern Ireland our projects contribute to the local economy and utilise our home-grown energy sources.

With the urgent need to escalate decarbonisation, RES remains committed to being part of Northern Ireland's energy future and business growth, through maximising contributions from renewable energy.



Brackagh Wind Farm, Draperstown. For illustrative purposes only.

With the urgent need to escalate decarbonisation, RES remains committed to being part of Northern Ireland's energy future and business growth, through maximising contributions from renewable energy.



Arroekagh Wind Farm, Draperstown. For illustrative purposes only.

Commenting on the Proposal

The public exhibition initiates a consultation period being run by RES to gather comments on the proposal. The closing date for comments is 9th February 2023 at 5pm.

Comments on the proposal should be provided in writing, click [here](#) to download a comment form which can be returned by email or by post to RES, Willowbank Business Park, Millbrook, Larne, County Antrim, BT40 2SF.

Please note that comments submitted to RES at the Online Public Exhibition are not representations to the determining authority (Strategic Planning Directorate Department for Infrastructure). There will be an opportunity to submit representations to the determining authority should a planning application be submitted.

¹ The times figure has been calculated by taking the predicted annual electricity generation of the site (based on RES assessments) Corbuck has a predicted capacity factor of 45.5% and dividing this by the annual average electricity figures from the Department of Business, Energy and Industrial Strategy (DBEIS) showing that the annual UK average domestic household consumption is 1,748 kWh (the 2019).

² https://assets.publishing.service.gov.uk/government/uploads/attachments/attachment_data/file/911817/electricity-generation-visual-report-2022.pdf

³ <https://renewable.ie/wind-saves-11-500-t-2022>

Appendix N: Images of Public Consultation - Second Consultation







NORTHERN IRELAND

RES Energy Group's Developer & Asset Facility, 44 Red Square at 100, The Quadrant, 2010, built city workable.

The early 1990s, and from an office taking across a range of disciplines. Full assessment work being done a 1990s.

Energy and environmental issues, and several projects of interest being undertaken and development expertise and standards.

Key to the business, or company that are:

- Energy
- Planning
- Environmental
- Regulatory and other issues
- Business

www.res-group.com

res ENVIRONMENTAL STUDIES

RES Energy Group's Developer & Asset Facility, 44 Red Square at 100, The Quadrant, 2010, built city workable.

The early 1990s, and from an office taking across a range of disciplines. Full assessment work being done a 1990s.

Energy and environmental issues, and several projects of interest being undertaken and development expertise and standards.

Key to the business, or company that are:

- Energy
- Planning
- Environmental
- Regulatory and other issues
- Business

www.res-group.com

res NOISE

RES Energy Group's Developer & Asset Facility, 44 Red Square at 100, The Quadrant, 2010, built city workable.

The early 1990s, and from an office taking across a range of disciplines. Full assessment work being done a 1990s.

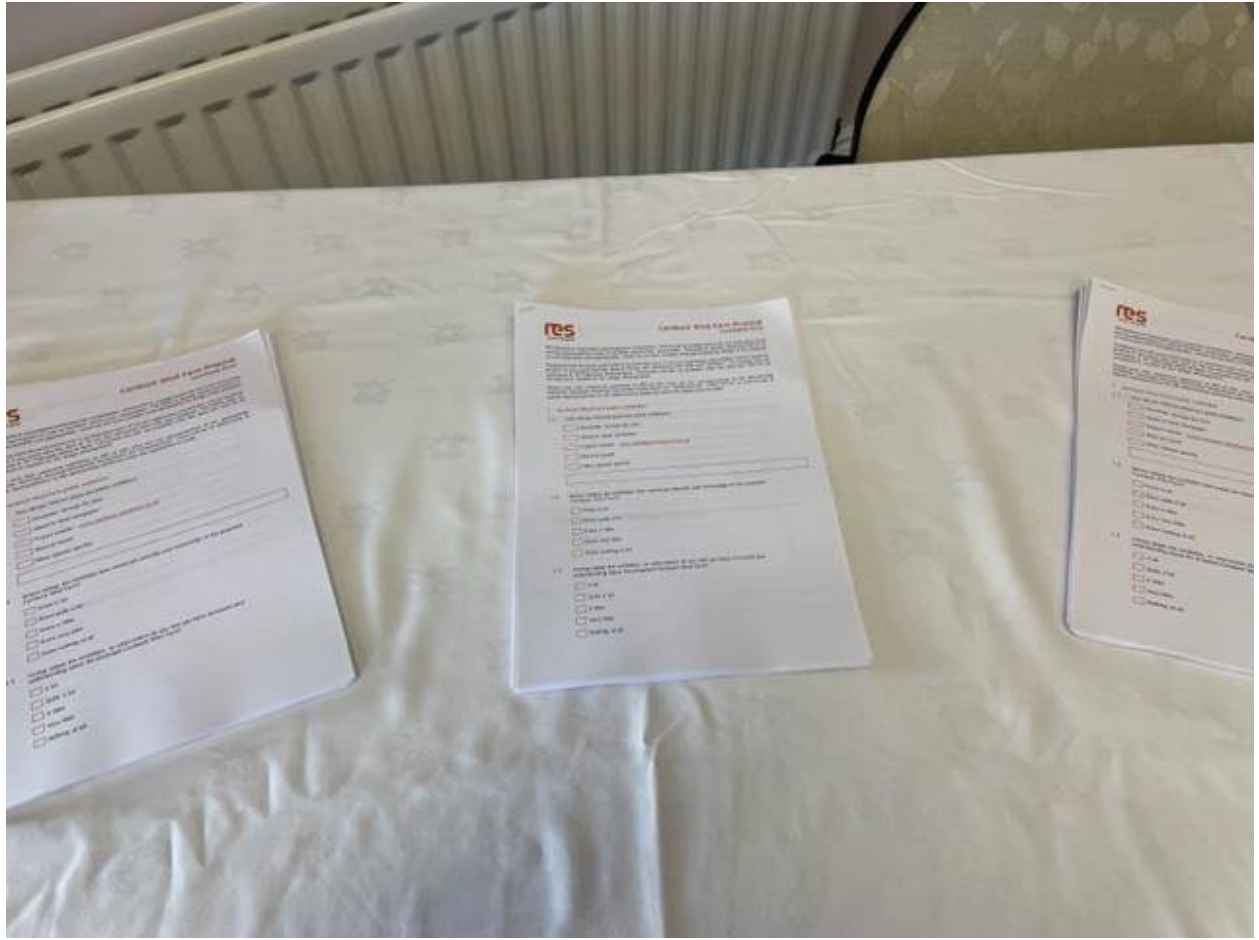
Energy and environmental issues, and several projects of interest being undertaken and development expertise and standards.

Key to the business, or company that are:

- Energy
- Planning
- Environmental
- Regulatory and other issues
- Business

www.res-group.com





res

Customer Satisfaction Survey

Dear Customer,

We are pleased to hear that you have chosen to stay at our hotel. We are committed to providing you with the highest quality of service and facilities. We would like to know how well we have met your expectations. Your feedback is very important to us and will help us to improve our services.

Please take a few minutes to complete this questionnaire. Your responses are anonymous and will be used for general purposes only.

Thank you for your cooperation.

1. How satisfied are you with the following services?

Very satisfied

Satisfied

Not satisfied

Very dissatisfied

2. How would you rate the overall quality of the service?

Excellent

Good

Fair

Poor

Very poor

res

Customer Satisfaction Survey

Dear Customer,

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Thank you for your cooperation.

3. How satisfied are you with the following services?

Very satisfied

Satisfied

Not satisfied

Very dissatisfied

4. How would you rate the overall quality of the service?

Excellent

Good

Fair

Poor

Very poor

res

Customer Satisfaction Survey

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Please take a few minutes to complete this questionnaire. Your responses are anonymous and will be used for general purposes only.

Thank you for your cooperation.

5. How satisfied are you with the following services?

Very satisfied

Satisfied

Not satisfied

Very dissatisfied

6. How would you rate the overall quality of the service?

Excellent

Good

Fair

Poor

Very poor