

Appendix 11-1 - Telecommunication Scoping Responses

Appendix 11-1 - Telecommunication Scoping Responses

Michelle Gaffney

From: Matthew Craig [REDACTED]
Sent: Wednesday 20 April 2022 14:02
To: John Staunton
Cc: windfarms; Johnny Evans
Subject: RE: 11303 - Broemountain Wind Farm - Telecoms Scoping

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Hi John,

The site outlined in your email will not impact out fixed linking services.

Due to the risk of interference to broadcasting services from our site near Dungarvan, we would ask that a protocol be signed between the developer and 2rn should the development go ahead.

Regards

Matthew Craig

Project Engineer

Projects and Coverage Planning

2RN

Block B, Cookstown Court, Old Belgard Road, Tallaght, Dublin 24, Ireland D24 WK28
[REDACTED]

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From: John Staunton [REDACTED]
Sent: Wednesday 13 April 2022 15:36
Subject: 11303 - Broemountain Wind Farm - Telecoms Scoping

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Good afternoon,

Our client, FuturEnergy Ireland, is at the initial scoping stages for a proposed wind farm northeast of Cappoquin, Co. Waterford. See attached map. The approx. centre point of the site is at 614084, 604637 (ITM).

Before we carry out any site design, and in order to feed into a constraints identification, we wish to identify any potential issues or interferences that may occur with telecommunication links in the area. Can you please advise us of any telecom links you may have in the area? We do not yet have precise turbine locations drafted.

We would appreciate if you could send us this information as soon as possible so we can avoid issues from the beginning. Please let me know if you need any further information to be able to help us.

Kind regards and thanks,

John

Dr. John Staunton B.Sc. PhD.
Senior Project Manager & Environmental Scientist

TOBIN Consulting Engineers
Galway | Dublin | Castlebar

Telephone: [REDACTED]

Email: [REDACTED]

Website: <http://www.tobin.ie>



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Michelle Gaffney

From: Roger Woods [REDACTED]
Sent: Wednesday 13 April 2022 16:39
To: John Staunton
Subject: RE: 11303 - Broemountain Wind Farm - Telecoms Scoping

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Hi John

The BAI does not perform an in-depth analysis of the effect of wind turbines on FM networks. However, we are not aware of any issues from existing windfarms into existing FM networks. Also, the proposed windfarms are not located close to any existing or planned FM transmission sites.

Regards

Roger

Senior Executive Engineer
Broadcasting Authority of Ireland
2-5 Warrington Place
Dublin D02 XP29

[REDACTED]
[REDACTED]

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Tá an ríomhphost seo agus aon iatán a ghabhann leis rúnda agus is leis an duine sin amháin a bhfuil siad seolta chuige/chuici a bhaineann siad. Muna duitse an ríomhphost seo, ní ceart é a léamh ná a scaoileadh chuig aon triú páirtí. Iarrtar ort teachtaireacht a sheoladh chuig an seoltóir nó chuig [REDACTED] agus an ríomhphost seo a scrios.

From: John Staunton [REDACTED]
Sent: Wednesday 13 April 2022 15:30
To: Roger Woods [REDACTED]
Subject: 11303 - Broemountain Wind Farm - Telecoms Scoping

Dear Sir/Madam,

Our client, FuturEnergy Ireland, is at the initial scoping stages for a proposed wind farm northeast of Cappoquin, Co. Waterford. See attached map. The approx. centre point of the site is at 614084, 604637 (ITM).

Before we carry out any site design, and in order to feed into a constraints identification, we wish to identify any potential issues or interferences that may occur with telecommunication links in the area. Can you please advise us of any telecom links you may have in the area? We do not yet have precise turbine locations drafted.

We would appreciate if you could send us this information as soon as possible. Please let me know if you need any further information to be able to help us.

Kind regards and thanks,

John

Dr. John Staunton B.Sc. PhD.
Senior Project Manager & Environmental Scientist

TOBIN Consulting Engineers
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Michelle Gaffney

From: BB UK Info [REDACTED]
Sent: Friday 10 June 2022 10:49
To: John Staunton
Subject: RE: 11303 - Broemountain Wind Farm - Telecoms Scoping CRM:0030402643
Attachments: image001.png

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Good Morning,

Thank you for your email.

Unfortunately, we are currently not taking on any new customers as we have currently reached the capacity on our satellite.

Please contact us for any further query.

Kind Regards,
BigBlu Customer Services.

----- Original Message -----

From: John Staunton [REDACTED];
Received: Fri Jun 10 2022 10:14:45 GMT+0100 (British Summer Time)
Subject: RE: 11303 - Broemountain Wind Farm - Telecoms Scoping

Good morning,

Just following up on the below email with a reminder to let us know if you have any feedback or links it the area of the proposed wind farm. Map attached again for your convenience.

If you have any queries please let me know.

Kind regards,

John

Dr. John Staunton B.Sc. PhD.
Senior Project Manager & Environmental Scientist

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Galway | Dublin | Castlebar

[REDACTED]

[REDACTED]

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Sent: Wednesday 13 April 2022 15:36
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Kind regards and thanks,

John

Dr. John Staunton B.Sc. PhD.
Senior Project Manager & Environmental Scientist

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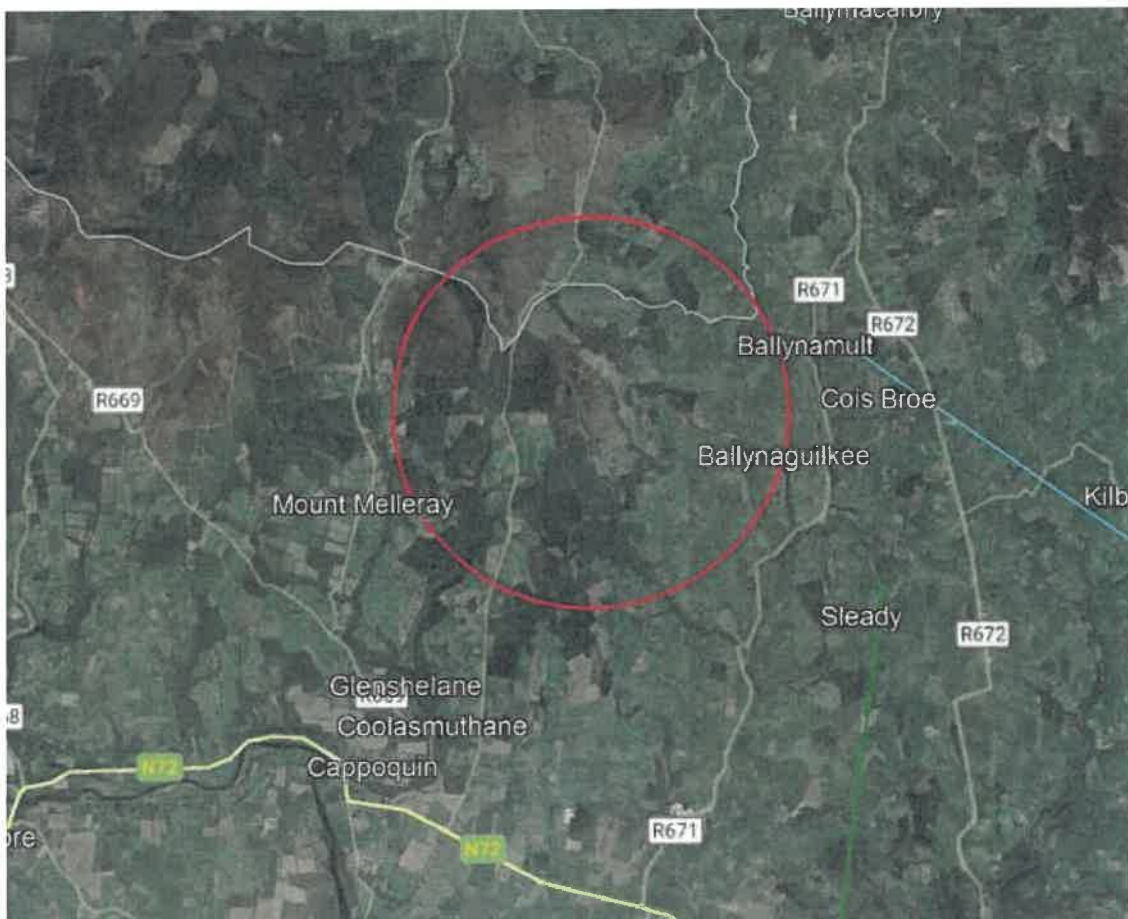
Michelle Gaffney

From: John Bagnall [REDACTED]
Sent: Tuesday 19 April 2022 15:53
To: John Staunton
Subject: Re: 11303 - Broemountain Wind Farm - Telecoms Scoping

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Hi John,

We have no transmission links within the proposed area at Broemountain Wind Farm and it has no risk to the network.
Best of luck with the development.



Kind regards,



John Bagnall
Transmission Design & Engineering

M: [REDACTED]
E: [REDACTED]
[REDACTED]

On Wed, 13 Apr 2022 at 15:35, John Staunton [REDACTED] wrote:

Good afternoon,

Our client, FuturEnergy Ireland, is at the initial scoping stages for a proposed wind farm northeast of Cappoquin, Co. Waterford. See attached map. The approx. centre point of the site is at 614084, 604637 (ITM).

Before we carry out any site design, and in order to feed into a constraints identification, we wish to identify any potential issues or interferences that may occur with telecommunication links in the area. Can you please advise us of any telecom links you may have in the area? We do not yet have precise turbine locations drafted.

We would appreciate if you could send us this information as soon as possible so we can avoid issues from the beginning. Please let me know if you need any further information to be able to help us.

Kind regards and thanks,

John

Dr. John Staunton B.Sc. PhD.

Senior Project Manager & Environmental Scientist

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Galway | Dublin | Castlebar

Telephone: [REDACTED]

Email: [REDACTED]

Website: <http://www.tobin.ie>



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Michelle Gaffney

From: Peter O'Brien [REDACTED]
Sent: Monday 21 August 2023 10:45
To: John Staunton
Subject: RE: 11303 - Broemountain Wind Farm - Telecoms Scoping

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Hi John,

38.5m-45m of a buffer should be fine for this link,

Regards,
Peter

Peter O'Brien | Licensed Link planner

A: Enet House, National Technology Park, Castletroy, Co Limerick, V946P52
[REDACTED]



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From: John Staunton [REDACTED]
Sent: Friday, August 18, 2023 8:31 AM
To: Peter O'Brien [REDACTED]
Subject: RE: 11303 - Broemountain Wind Farm - Telecoms Scoping

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Hi Peter,

We have been able to keep our nearest turbine location approximately 120m from your link below:

VDF Crohaun	52° 9'31.57"N 7°36'6.02"W	SCP0204 – Mount Melleray Community Hall	52°10'58.88"N 7°50'51.85"W	11GHz
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Our client is looking at a number of turbine blade lengths (i.e. rotor radius) of between 75m-81.5m, resulting in a clearance from this link of between 38.5m-45m.

I have looked at the fresnel zone dimensions of the link above (using this resource: [Fresnel Zone Calculator \(omnicalculator.com\)](https://www.omnicalculator.com/physics/fresnel-zone)), and based on the location of our turbine (approximately 13.5km along the 17km long link from Crohaun), the radius for this at the point closest to the proposed turbine would be approx. 8.7m.

Would you be able to confirm that the above buffer is acceptable? There is limited scope to move the turbine location further away. The second link you mentioned is over 1.5km from the nearest turbine.

Kind regards,

John

Dr. John Staunton B.Sc. PhD.
Senior Project Manager & Environmental Scientist

TOBIN Consulting Engineers
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2019 Association of Consulting Engineers of Ireland Awards Winner: Design Excellence (Structures)
2018 Engineers Ireland Excellence Awards Winner: Engineering Project of the Year

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From: Peter O'Brien [REDACTED]
Sent: Thursday, April 14, 2022 9:31 AM
To: John Staunton [REDACTED]
Subject: RE: 11303 - Broemountain Wind Farm - Telecoms Scoping

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Hi John,

About 50m,

Thanks,
Peter

From: John Staunton <[REDACTED]>
Sent: Thursday, April 14, 2022 9:30 AM

To: Peter O'Brien [REDACTED]
Subject: RE: 11303 - Broemountain Wind Farm - Telecoms Scoping

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Hi Peter,

Thank you for the response. Can you confirm the minimum buffer you need to keep either side of those links (so we can ensure we do not impact them)?

Many thanks,

John

Dr. John Staunton B.Sc. PhD.
Senior Project Manager & Environmental Scientist

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[REDACTED]
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2018 Engineers Ireland Excellence Awards Winner: Engineering Project of the Year
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From: Peter O'Brien [REDACTED]
Sent: Thursday 14 April 2022 09:17
To: John Staunton [REDACTED]
Subject: RE: 11303 - Broemountain Wind Farm - Telecoms Scoping

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Hi John,

We have the below links passing through this area:

A-End	A-End Coordinates	B-End	B-End Coordinates	Frequency
VDF Crohaun	52° 9'31.57"N 7°36'6.02"W	Signal Knockaun	52° 9'34.58"N 8° 1'51.46"W	8GHz

VDF Crohaun	52° 9'31.57"N 7°36'6.02"W	SCP0204 – Mount Melleray Community Hall	52°10'58.88"N 7°50'51.85"W	11GHz
-------------	------------------------------	---	-------------------------------	-------

Best Regards,

Peter O'Brien | Tx Planning Engineer
A: Enet House, National Technology Park, Castletroy, Co Limerick, V94 6P52
[REDACTED] | W: www.enet.ie



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From: John Staunton [REDACTED]
Sent: Wednesday, April 13, 2022 4:27 PM
To: Peter O'Brien [REDACTED]
Subject: RE: 11303 - Broemountain Wind Farm - Telecoms Scoping

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Hi Peter,

Hopefully the attached is suitable? Let me know if not.

Many thanks,

John

Dr. John Staunton B.Sc. PhD.
Senior Project Manager & Environmental Scientist

TOBIN Consulting Engineers
Galway | Dublin | Castlebar

[REDACTED]
[REDACTED]
Website: <http://www.tobin.ie>



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From: Peter O'Brien [REDACTED]
Sent: Wednesday 13 April 2022 16:10
To: John Staunton [REDACTED]
Subject: RE: 11303 - Broemountain Wind Farm - Telecoms Scoping

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Hi John,

Can you send the proposed area in a Google Earth kml please to clash against our network?

Regards,
Peter

From: John Staunton [REDACTED]
Sent: Wednesday, April 13, 2022 3:36 PM
Subject: 11303 - Broemountain Wind Farm - Telecoms Scoping

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Good afternoon,

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Kind regards and thanks,

John

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Senior Project Manager & Environmental Scientist

TOBIN Consulting Engineers
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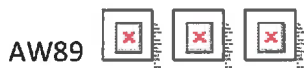
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Paul Brunel.

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1

Hi Paul,

Apologies for the confusion. Attached is a KML file.

Many thanks,

John

Dr. John Staunton B.Sc. PhD.
Senior Project Manager & Environmental Scientist

TOBIN Consulting Engineers
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Email: [REDACTED]
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From: Paul Brunel [REDACTED]
Sent: Friday 10 June 2022 11:45
To: John Staunton [REDACTED]
Cc: Ronnie O'Neill [REDACTED]
Subject: RE: 11303 - Broemountain Wind Farm - Telecoms Scoping

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Good morning John,
I replied to a mail from you regarding this development on the 13th of April.
We receive many Wind Farm scoping requests. To access and track these developments we use Google Earth.
For example, Una Butler of Tobin previously sent us a .kmz file for the Derryadd Wind farm – 11399. (attached).
Please send on a Google Earth .KMZ file for Broemountain and I will get a prompt reply to you.

Kind Regards,

Paul Brunel.
Transmission Planner.
Imagine Group.

The logo for Imagine Group, featuring the word 'imagine' in a lowercase, sans-serif font.

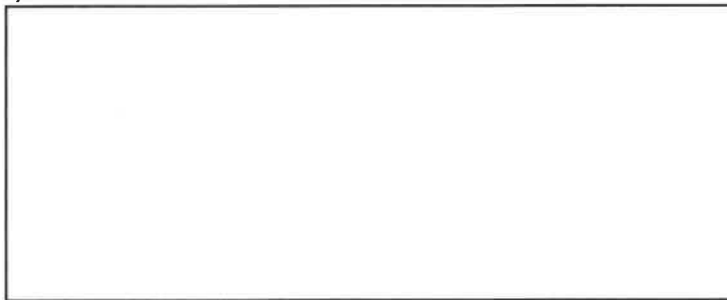
W. www.imagine.ie

Imagine

Sandyford Business Centre

Blackthorn Road, Sandyford, D18

AW89



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From: Ronnie O'Neill

Sent: 10 June 2022 10:38

To: Paul Brunel

Subject: FW: 11303 - Broemountain Wind Farm - Telecoms Scoping

fyi

From: John Staunton

Sent: 10 June 2022 10:15

Subject: RE: 11303 - Broemountain Wind Farm - Telecoms Scoping

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Good morning,

Just following up on the below email with a reminder to let us know if you have any feedback or links it the area of the proposed wind farm. Map attached again for your convenience.

If you have any queries please let me know.

Kind regards,

John

Dr. John Staunton B.Sc. PhD.

Senior Project Manager & Environmental Scientist

TOBIN Consulting Engineers

Galway | Dublin | Castlebar

Telephone:

Email:

Website: <http://www.tobin.ie>



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2018 Engineers Ireland Excellence Awards Winner: Heritage and Conservation

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From: John Staunton
Sent: Wednesday 13 April 2022 15:36
Subject: 11303 - Broemountain Wind Farm - Telecoms Scoping

Good afternoon,

Our client, FuturEnergy Ireland, is at the initial scoping stages for a proposed wind farm northeast of Cappoquin, Co. Waterford. See attached map. The approx. centre point of the site is at 614084, 604637 (ITM).

Before we carry out any site design, and in order to feed into a constraints identification, we wish to identify any potential issues or interferences that may occur with telecommunication links in the area. Can you please advise us of any telecom links you may have in the area? We do not yet have precise turbine locations drafted.

We would appreciate if you could send us this information as soon as possible so we can avoid issues from the beginning. Please let me know if you need any further information to be able to help us.

Kind regards and thanks,

John

Dr. John Staunton B.Sc. PhD.
Senior Project Manager & Environmental Scientist

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Galway | Dublin | Castlebar



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Michelle Gaffney

From: Alister Cole [REDACTED]
Sent: Thursday 14 April 2022 11:51
To: John Staunton
Subject: RE: FAO: Technical team - 11303 - Broemountain Wind Farm - Telecoms Scoping

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Hi John,

Would it please be possible to send the map as a Google Earth file?

Best regards,

Alister



Alister Cole
Transmission Engineer

[REDACTED]
[REDACTED]

From: John Staunton [REDACTED]
Sent: 13 April 2022 16:24
Subject: FAO: Technical team - 11303 - Broemountain Wind Farm - Telecoms Scoping

CAUTION! External Email.

Good afternoon,

Our client, FuturEnergy Ireland, is at the initial scoping stages for a proposed wind farm northeast of Cappoquin, Co. Waterford. See attached map. The approx. centre point of the site is at 614084, 604637 (ITM).

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John

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Michelle Gaffney

From: Marcin Skupski [REDACTED]
Sent: Thursday 29 September 2022 11:46
To: John Staunton
Subject: RE: 11303 - Broemountain Wind Farm - Telecoms Scoping

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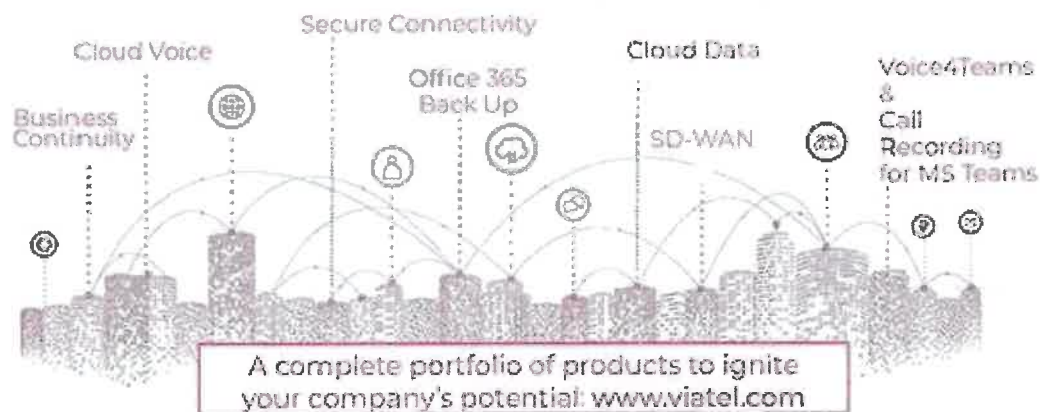
Hi John,

Thank you for the reminder. As far I can see there is no issue with this development. Good luck with planning permission.

Regards,
Marcin Skupski
Build & Maintenance Team Leader
[REDACTED]
[REDACTED]



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From: John Staunton [REDACTED]
Sent: 29 September 2022 11:22
Subject: RE: 11303 - Broemountain Wind Farm - Telecoms Scoping

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Good morning,

I am just reminding you to let me know if there is any potential for issues with our client's proposed wind farm and your infrastructure.

If there is not, a quick email would be also appreciated.

Kind regards,

John

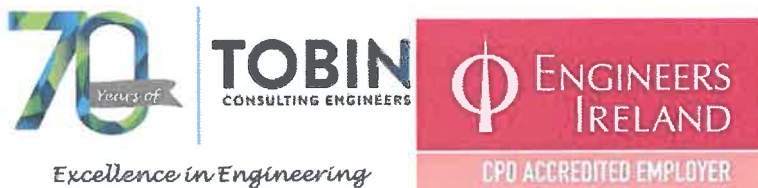
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Senior Project Manager & Environmental Scientist

TOBIN Consulting Engineers
Galway | Dublin | Castlebar | Limerick

[Redacted]

[Redacted]

Website: <http://www.tobin.ie>



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From: John Staunton
Sent: Wednesday 3 August 2022 16:02
Subject: RE: 11303 - Broemountain Wind Farm - Telecoms Scoping

Good afternoon,

I am just sending a reminder of our telecom scoping enquiry below. Map attached again for your convenience. Also a kmz file of the site boundary is attached to allow you to check your maps.

I would appreciate it if you could let me know if you have any telecom links in the area, or if you have any comments. In the event that you have no comments/concerns, it would be much appreciated to note that also.

Kind regards,

John

Dr. John Staunton B.Sc. PhD.
Senior Project Manager & Environmental Scientist

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Subject: 11303 - Broemountain Wind Farm - Telecoms Scoping

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Before we carry out any site design, and in order to feed into a constraints identification, we wish to identify any potential issues or interferences that may occur with telecommunication links in the area. Can you please advise us of any telecom links you may have in the area? We do not yet have precise turbine locations drafted.

We would appreciate if you could send us this information as soon as possible so we can avoid issues from the beginning. Please let me know if you need any further information to be able to help us.

Kind regards and thanks,

John

Dr. John Staunton B.Sc. PhD.
Senior Project Manager & Environmental Scientist

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Michelle Gaffney

From: Lyons, Sean, Vodafone (External) [REDACTED]
Sent: Tuesday 17 May 2022 07:52
To: John Staunton
Cc: Gleeson, Conor, Vodafone (External)
Subject: RE: FAO: Technical team - 11303 - Broemountain Wind Farm - Telecoms Scoping

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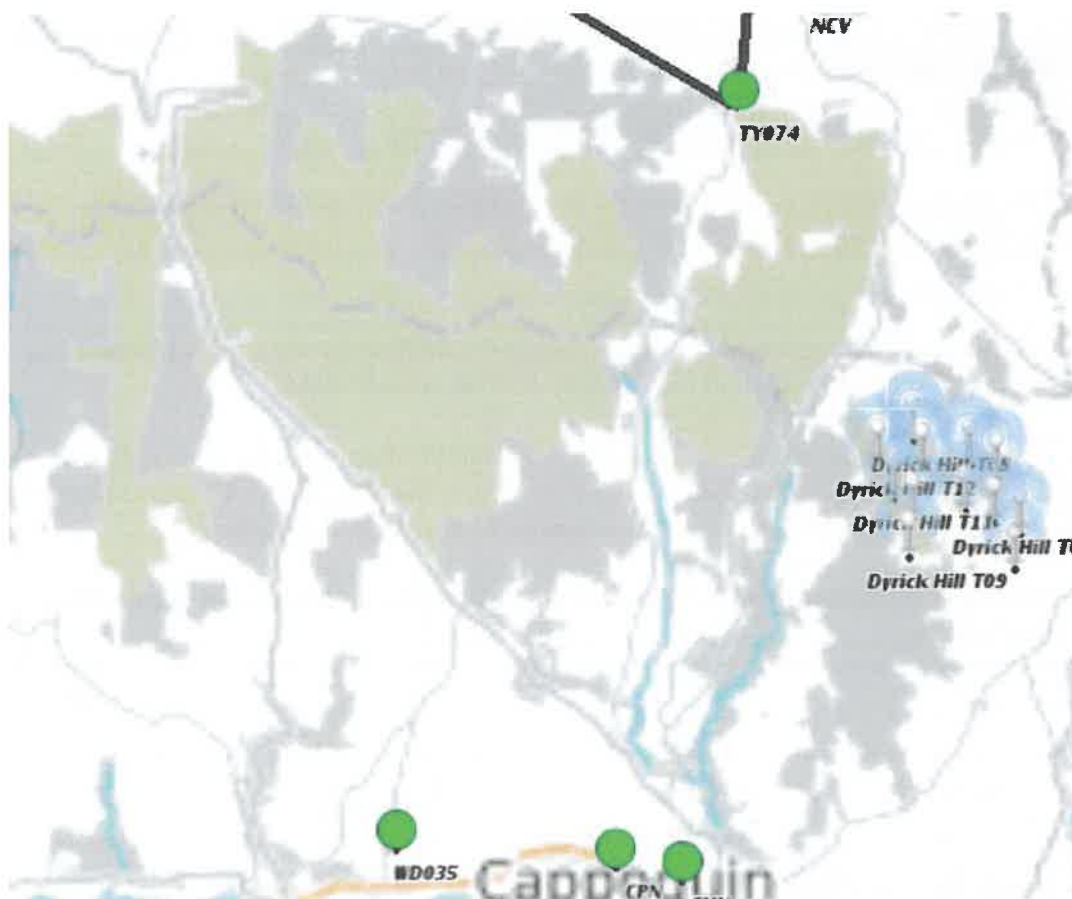
Hi John,

There are 2 links to the north of the proposed development that would need to be kept in mind during positioning of the proposed turbines.

More concise analysis would need to be completed once turbine locations are being decided.

Minimum clearance required would be 30m from blade tip to Fresnel zone on the link.

Link Name / ID	Band MHz\GHz	Link Length	Site A			
			Lat	Long	Easting	
TY074-TY073	28MHz/18GHz	14.93km	52.2564	-7.8238	212079	11
TY074-TY063	56MHz/15GHz	14.47km	52.2564	-7.8238	212079	11



Thanks,

Seán Lyons

Transmission Program Manager
Converged Transmission
Technology- NET



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From: Gleeson, Conor, Vodafone (External) [REDACTED]
Sent: Monday 16 May 2022 16:00
To: Lyons, Sean, Vodafone (External) [REDACTED]
Subject: FW: FAO: Technical team - 11303 - Broemountain Wind Farm - Telecoms Scoping

Hi Sean,

Do you know if anyone has looked at this.

Thanks,
Conor.

C2 General

From: John Staunton [REDACTED]
Sent: Wednesday 13 April 2022 16:24
Subject: FAO: Technical team - 11303 - Broemountain Wind Farm - Telecoms Scoping

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Good afternoon,

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John

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