



APPENDIX 2-1

SCOPING RESPONSES

Eoin McCarthy

From: William Morgan <william.morgan@imaginegroup.ie>
Sent: 21 May 2019 14:40
To: Eoin McCarthy
Cc: Ronnie O'Neill
Subject: Re: 190114 - Wind Farm Site Feasibility Study

Hi Eoin,

With a 10km radius of the site we have 3 microwave TX links. Please see the details on each link below,

- **DL008, 3IRL Scalp Mountain (Azimuth: 312.17 deg) --> DL049, ESB Buncrana (Azimuth: 132.10 degrees)**
 - Latitude: 55.08972 --> Latitude: 55.136894
 - Longitude: -7.365278 --> Longitude: -7.456238

- **DL017, RTE Fanad (Azimuth: 127.75 deg) --> DL049, ESB Buncrana (Azimuth: 307.92 degrees)**
 - Latitude: 55.2281 --> Latitude: 55.136894
 - Longitude: -7.66145 --> Longitude: -7.456238

- **DL049, ESB Buncrana (Azimuth: 151.08 degrees) --> DL049, ESB Buncrana (Azimuth: 132.10 degrees)**
 - Latitude: 55.136894 --> Latitude: 55.13417
 - Longitude: -7.456238 --> Longitude: -7.453611

Kind Regards,
Will.

From: Ronnie O'Neill
Sent: 21 May 2019 12:51
To: William Morgan
Subject: Fwd: 190114 - Wind Farm Site Feasibility Study

From: Eoin McCarthy <emccarthy@mkoireland.ie>
Sent: Tuesday, May 21, 2019 12:30:47 PM
To: Ronnie O'Neill
Subject: 190114 - Wind Farm Site Feasibility Study

Hi Ronnie,

We are currently carrying out a site feasibility study for a proposed wind farm site at Glenard, Inishowen, Co. Donegal, approximately 7.5km east of the town of Buncrana. Could you please provide start and end points for any Imagine Network Services links within 10km of the following centre point (Irish Grid) and the required setback from the same:

Easting: 244,000
Northing: 432,000

If you have any queries in relation to the above, please do not hesitate to contact me.

Kind Regards,



Eoin McCarthy B.Sc. (Env.)
Senior Environmental Scientist

MKO
Tuam Road, Galway
Ireland, H91 VW84
+353 (0) 91 735611
www.mkoireland.ie



McCarthy Keville O'Sullivan Ltd. T/A MKO. Registered in Ireland No. 462657. VAT No. IE9693052R

This email and any attached files or emails transmitted with it are confidential and intended solely for the use of the individual(s) or entity to whom it is addressed. If the reader is not a representative of the intended recipient(s), any review, dissemination or copying of this message or the information it contains is prohibited. If you have received this email in error please notify the sender of the email and delete the email. MKO does not represent or warrant that any attachment hereto is free from computer viruses or other defects. The opinions expressed in this e-mail and any attachments may be those of the author and are not necessarily those of MKO

Eoin McCarthy

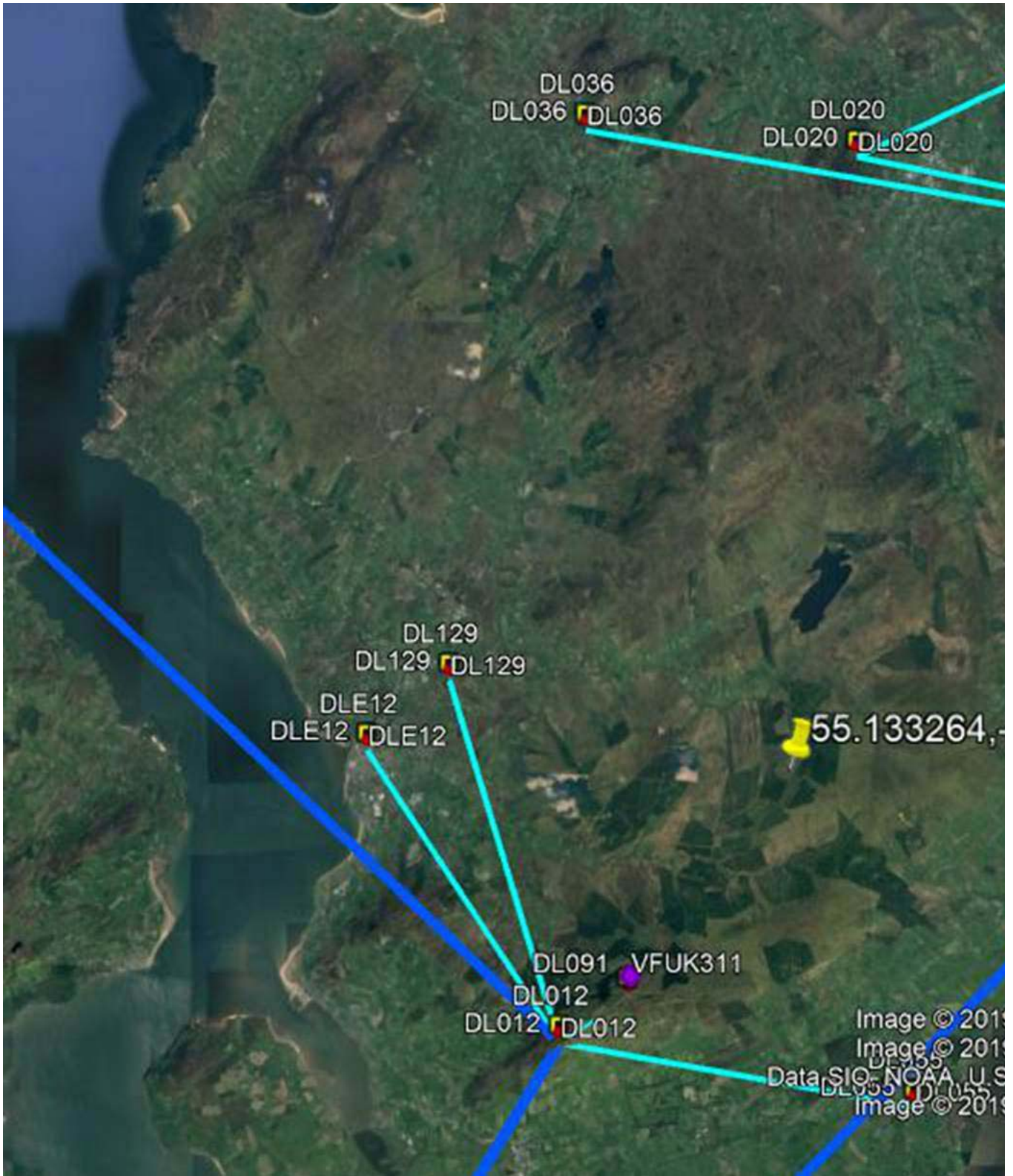
From: Byrne, Gavin, Vodafone Ireland <gavin.byrne@vodafone.com>
Sent: 21 May 2019 17:33
To: Eoin McCarthy
Cc: Lyons, Sean, Vodafone Ireland (External)
Subject: RE: 190114 - Wind Farm Site Feasibility Study

Hi Eoin,

Without knowing the size of your proposed wind farm, the centre co-ordinates you have provided are remote, with VF microwaves, on average about 4-5 km's away.

If you want further detail on the microwave links let me know, but it looks like you have a large geographical area to play with.

Send me the finalised turbine locations if you want me to assess.



Gavin Byrne

TX Planning & Design Engineer
 TEC-Networks Converged Transmission
 +353 87 6448159
gavin.byrne@vodafone.com

Vodafone Ireland Limited, Registered Office:

MountainView, Leopardstown, Dublin 18,
Registered in Ireland: No. 326967

vodafone.ie

The future is exciting.
Ready?

C2 General

From: Gavin Byrne <gavin.byrne@netshare.ie>
Sent: Tuesday 21 May 2019 12:42
To: Byrne, Gavin, Vodafone Ireland <gavin.byrne@vodafone.com>
Subject: FW: 190114 - Wind Farm Site Feasibility Study

From: Eoin McCarthy
Sent: Tuesday 21 May 2019 12:41:35 (UTC+00:00) Dublin, Edinburgh, Lisbon, London
To: Gavin Byrne
Subject: 190114 - Wind Farm Site Feasibility Study

Hi Gavin,

We are currently carrying out a site feasibility study for a proposed wind farm site at Glenard, Inishowen, Co. Donegal, approximately 7.5km east of the town of Buncrana. Could you please provide start and end points for any Vodafone links within 10km of the following centre point (Irish Grid) and the required setback from the same:

Easting: 244,000
Northing: 432,000

If you have any queries in relation to the above, please do not hesitate to contact me.

Kind Regards,



Eoin McCarthy B.Sc. (Env.)
Senior Environmental Scientist

MKO
Tuam Road, Galway
Ireland, H91 VW84
+353 (0) 91 735611
www.mkoireland.ie



McCarthy Keville O'Sullivan Ltd. T/A MKO. Registered in Ireland No. 462657. VAT No. IE9693052R

This email and any attached files or emails transmitted with it are confidential and intended solely for the use of the individual(s) or entity to whom it is addressed. If the reader is not a representative of the intended recipient(s), any review, dissemination or copying of this message or the information it contains is prohibited. If you have received this email in error please notify the sender of the email and delete the email. MKO does not represent or warrant that any attachment hereto is free from computer viruses or other defects. The opinions expressed in this e-mail and any attachments may be those of the author and are not necessarily those of MKO

IMPORTANT NOTICE: This e-mail message is intended to be received only by persons entitled to receive

Eoin McCarthy

From: Dermot Hopkins <dermot.hopkins@esbtelecoms.ie>
Sent: 22 May 2019 08:48
To: Eoin McCarthy
Cc: Wilson Dalikeni
Subject: RE: 190114 - Wind Farm Site Feasibility Study
Attachments: ATT00001.txt; ATT00002.htm

Hello Eoin,

I can confirm that ESBT have no microwave links in the vicinity.

Wilson, can you please also respond to Eoin re any links you may have?

Many thanks,

Dermot.



Dermot Hopkins | Active Equipment Engineering Manager | ESB Telecoms Ltd | T: +353 1 702 6290 / +353 87 2359681

Website www.esbtelecoms.ie
Join us on [Linkedin](#)

From: Eoin McCarthy [mailto:emccarthy@mkoireland.ie]
Sent: 21 May 2019 12:28
To: Hopkins. Dermot (Customer Solutions) <dermot.hopkins@esbtelecoms.ie>
Subject: 190114 - Wind Farm Site Feasibility Study

Hi Dermot

We are currently carrying out a site feasibility study for a proposed wind farm site at Glenard, Inishowen, Co. Donegal, approximately 7.5km east of the town of Bunrana. Could you please provide start and end points for any ESB Telecom links within 10km of the following centre point (Irish Grid) and the required setback from the same:

Easting: 244,000
Northing: 432,000

If you have any queries in relation to the above, please do not hesitate to contact me.

Kind Regards,

Eoin McCarthy

From: Donna Fairbrother <Donna.Fairbrother@viatel.com>
Sent: 21 May 2019 14:33
To: Eoin McCarthy
Subject: RE: 190114-Wind Farm Site Feasibility Study

Hi Eoin,

No impact on Viatel.

Kind regards,
Donna.

Donna Fairbrother
Solutions Delivery Manager

+353 1 4699314
Donna.Fairbrother@viatel.com

viatel.com



**We make Cloud, Connectivity,
& Security Services easy to use**

For more information about Viatel visit www.viatel.com or for details of our Group Companies visit <http://www.viatel.com/legal-notices/>. This email and any attachments may contain confidential and/or legally privileged information. If you are not the intended recipient, please delete the email without reading it, and notify the sender.

From: Eoin McCarthy <emccarthy@mkoireland.ie>
Sent: Tuesday 21 May 2019 12:40
To: Donna Fairbrother <Donna.Fairbrother@viatel.com>
Subject: 190114-Wind Farm Site Feasibility Study

Hi Donna

We are currently carrying out a site feasibility study for a proposed wind farm site at Glenard, Inishowen, Co. Donegal, approximately 7.5km east of the town of Bunrana. Could you please provide start and end points for any Viatel links within 10km of the following centre point (Irish Grid) and the required setback from the same:

Easting: 244,000
Northing: 432,000

If you have any queries in relation to the above, please do not hesitate to contact me.

Kind Regards,



Eoin McCarthy B.Sc. (Env.)
Senior Environmental Scientist

MKO
Tuam Road, Galway
Ireland, H91 VW84
+353 (0) 91 735611
www.mkoireland.ie



McCarthy Keville O'Sullivan Ltd. T/A MKO. Registered in Ireland No. 462657. VAT No. IE9693052R

This email and any attached files or emails transmitted with it are confidential and intended solely for the use of the individual(s) or entity to whom it is addressed. If the reader is not a representative of the intended recipient(s), any review, dissemination or copying of this message or the information it contains is prohibited. If you have received this email in error please notify the sender of the email and delete the email. MKO does not represent or warrant that any attachment hereto is free from computer viruses or other defects. The opinions expressed in this e-mail and any attachments may be those of the author and are not necessarily those of MKO

Click [here](#) to report this email as spam.

Eoin McCarthy

From: Gerry Callan <Gerry.Callan@three.ie>
Sent: 21 May 2019 14:34
To: Eoin McCarthy
Cc: DL Estates ROI; Alan Hutchinson
Subject: RE: 190114 - Wind Farm Site Feasibility Study

Hi Eoin,

Please see below for a list of microwave links we currently have in the area, all within 10km of the centre point of the proposed development.

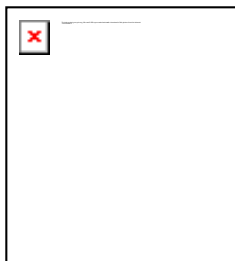
Site A	X	Y	Site B	X	Y	Band
Moville RTE	262515	441991	Holywell RTE	238466	417005	11
Carndonagh Cross	245338	445363	Carndonagh	248245	435928	26
Scalp New	240578	427131	Claggan Greenfield, Culdaff	252808	452002	6
Buncrana ESB	234739	432317	Scalp New	240578	427131	26
Scalp New	240578	427131	Buncrana Garda	235102	431753	18
Buncrana ESB	234739	432317	Ballymagan	236538	433850	38
Buncrana ESB	234739	432317	RTE Fanad	221452	442342	15
Buncrana ESB	234739	432317	RTE Fanad	221452	442342	18
Scalp New	240578	427131	REVC, Bridgend	239672	421698	38
Scalp New	240578	427131	Holywell RTE	238466	417005	15

We typically seek 100m buffer for all links to ensure that there is no impact upon the transmission network.

Once you have a confirmed turbine layout, do please let us know and we can analyse any potential impact this might have upon our services in the region.

Good luck with the development,

Best wishes,



Gerry Callan
Transmission Engineer

086 3884246
gerry.callan@three.ie



Make it count.

From: Eoin McCarthy <emccarthy@mkoireland.ie>
Sent: 21 May 2019 12:34
To: Gerry Callan <Gerry.Callan@three.ie>
Subject: 190114 - Wind Farm Site Feasibility Study

Hi Gerry,

We are currently carrying out a site feasibility study for a proposed wind farm site at Glenard, Inishowen, Co. Donegal, approximately 7.5km east of the town of Bunrana. Could you please provide start and end points for any Three network links within 10km of the following centre point (Irish Grid) and the required setback from the same:

Easting: 244,000
Northing: 432,000

If you have any queries in relation to the above, please do not hesitate to contact me.

Kind Regards,



Eoin McCarthy B.Sc. (Env.)
Senior Environmental Scientist

MKO
Tuam Road, Galway
Ireland, H91 VW84
+353 (0) 91 735611
www.mkoireland.ie



McCarthy Keville O'Sullivan Ltd. T/A MKO. Registered in Ireland No. 462657. VAT No. IE9693052R

This email and any attached files or emails transmitted with it are confidential and intended solely for the use of the individual(s) or entity to whom it is addressed. If the reader is not a representative of the intended recipient(s), any review, dissemination or copying of this message or the information it contains is prohibited. If you have received this email in error please notify the sender of the email and delete the email. MKO does not represent or warrant that any attachment hereto is free from computer viruses or other defects. The opinions expressed in this e-mail and any attachments may be those of the author and are not necessarily those of MKO



Three Ireland
28/29 Sir John Rogerson's Quay, Dublin 2, Ireland.

www.three.ie 

This e-mail message (including any attachment) is intended only for the personal use of the recipient(s) named above. This message is confidential and may be legally privileged. If you are not an intended recipient, you may not review, copy or distribute this message. If you have received this communication in error, please notify us immediately by e-mail and delete the original message. Any views or opinions expressed in this message are those of the author only. Three Ireland (Hutchison) Limited is a company registered in Ireland with company number 316982. Registered Office 28/29 Sir John Rogerson's Quay, Dublin 2, Ireland. Three Ireland Services (Hutchison) Limited is a company registered in Ireland with company number 234895. Registered Office 28/29 Sir John Rogerson's Quay, Dublin 2, Ireland. Furthermore, this message (including any attachment) does not create any legally binding rights or obligations whatsoever, which may only be created by the exchange of hard copy documents signed by a duly authorized representative(s) of Three Ireland (Hutchison) Limited or Three Ireland Services (Hutchison) Limited.

Eoin McCarthy

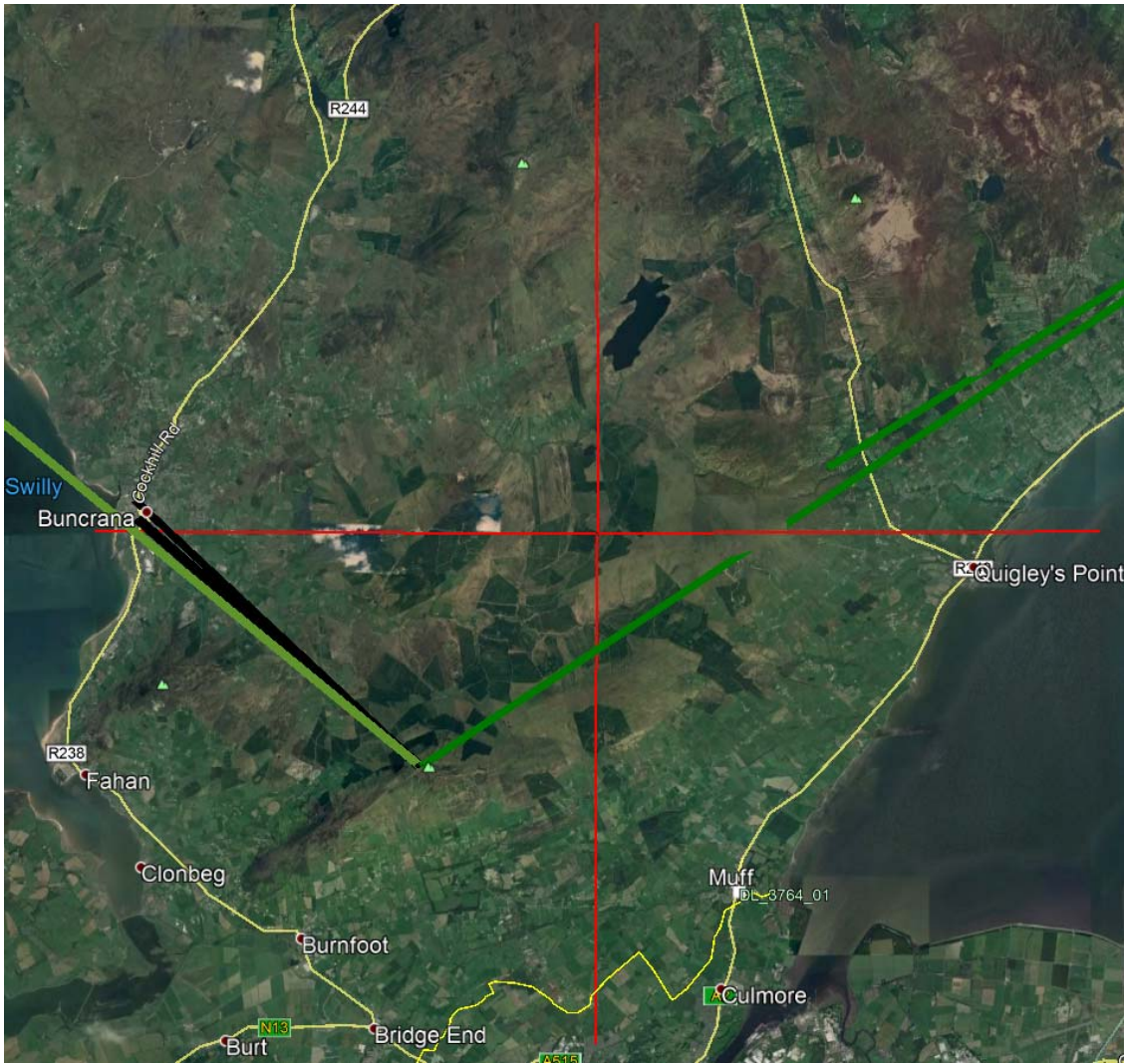
From: John Bagnall <john.bagnall@eir.ie>
Sent: 07 June 2019 15:26
To: Eoin McCarthy
Cc: Mobile Networks TXN
Subject: Re: 190114 - Wind Farm Site Feasibility Study

Eoin,

We have five transmission links within the proposed area, that would be at risk, the end points of the transmission links are below, if you could keep a buffer of 100meters radius away from this transmission path when placing you turbines and send on for further analysis.

Link 1 – End point 1 - 55° 5'22.81"N 7°21'54.95"W, End point 2 – 55° 8'12.83"N 7°27'22.51"W
Link 2 – End point 1 - 55° 5'22.81"N 7°21'54.95"W, End point 2 – 55° 8'0.92"N 7°27'24.02"W
Link 3 – End point 1 - 55° 5'22.81"N 7°21'54.95"W , End point 2 – 55°13'39.55"N 7°39'48.70"W
Link 4 – End point 1 - 55° 5'22.81"N 7°21'54.95"W , End point 2 – 55°13'15.59"N 7° 1'6.54"W
Link 5 – End point 1 - 55°13'15.59"N 7° 1'6.54"W , End point 2 – 55° 8'33.56"N 7°14'25.66"W

Please keep sending new development analysis request to MobileNetworksTXN@eir.ie for Eir Mobile (formerly Meteor) network analysis.



Kind regards,



John Bagnall

Transmission Design & Engineering

M: +353 85 1053746

E: john.bagnall@eir.ie

Address: EirCode - D24 HX03

On Tue, 21 May 2019 at 14:04, Paul Marron <paul.marron@eir.ie> wrote:

Hi John,
FYI.
Regards,
Paul

----- Forwarded message -----

From: **Eoin McCarthy** <emccarthy@mkoireland.ie>

Date: Tue, 21 May 2019 at 12:32

Subject: 190114 - Wind Farm Site Feasibility Study

To: paul.marron@eir.ie <paul.marron@eir.ie>

Hi Paul,

We are currently carrying out a site feasibility study for a proposed wind farm site at Glenard, Inishowen, Co. Donegal, approximately 7.5km east of the town of Buncrana. Could you please provide start and end points for any Eir links within 10km of the following centre point (Irish Grid) and the required setback from the same:

Easting: 244,000

Northing: 432,000

If you have any queries in relation to the above, please do not hesitate to contact me.

Kind Regards,



Eoin McCarthy B.Sc. (Env.)
Senior Environmental Scientist

MKO

Tuam Road, Galway

Ireland, H91 VW84

+353 (0) 91 735611

www.mkoireland.ie



McCarthy Keville O'Sullivan Ltd. T/A MKO. Registered in Ireland No. 462657. VAT No. IE9693052R

This email and any attached files or emails transmitted with it are confidential and intended solely for the use of the individual(s) or entity to whom it is addressed. If the reader is not a representative of the intended recipient(s), any review, dissemination or copying of this message or the information it contains is prohibited. If you have received this email in error please notify the sender of the email and delete the email. MKO does not represent or warrant that any attachment hereto is free from computer viruses or other defects. The opinions expressed in this e-mail and any attachments may be those of the author and are not necessarily those of MKO

--

Paul Marron

Transmission Engineer

Eir Mobile Networks

2022 Bianconi Ave, Citywest, Dublin 24.

www.eir.ie

Mobile: 0876548499 | **Email:** paul.marron@eir.ie

The information contained in this e-mail and any files transmitted with it is confidential and may be subject to legal professional privilege. It is intended solely for the use of the addressee(s). If you are not the intended recipient of this e-mail, please note that any review, dissemination, disclosure, alteration, printing, copying or transmission of this e-mail and/or any file transmitted with it, is prohibited and may be unlawful. If you have received this e-mail by mistake, please promptly inform the sender by reply e-mail and delete the material. Whilst this e-mail message has been swept for the presence of computer viruses, eir does not, except as required by law, represent, warrant and/or guarantee that the integrity of this communication has been maintained nor that the communication is free of errors, viruses, interception or interference.

eircom Limited, Registered as a Branch in Ireland Number 907674. Incorporated in Jersey Number 116389. Branch Address: 2022 Bianconi Avenue, Citywest Business Park, Dublin 24, D24 HX03, Ireland.

Eoin McCarthy

From: Thomas Barry <Tom.Barry@TETRAIRELAND.IE>
Sent: 23 August 2019 07:40
To: Eoin McCarthy
Subject: RE: EIA Scoping Document for Proposed Glenard Wind Farm, Co. Donegal (190114)

Eoin,

We anticipate no impact from development at the proposed location. Can you ensure the proposal is also reviewed by eir.

Regards,
Tom

From: Eoin McCarthy [mailto:emccarthy@mkoireland.ie]
Sent: Friday 16 August 2019 09:33
To: Thomas Barry
Subject: EIA Scoping Document for Proposed Glenard Wind Farm, Co. Donegal (190114)

Dear Mr. Barry,

McCarthy Keville O'Sullivan Ltd. is preparing an Environmental Impact Assessment Report Statement (EIAR) for the proposed Glenard Wind Farm, located approximately 7.5 kilometres east of Buncrana, Inishowen, Co. Donegal.

The applicant for the proposed development is Coillte. The proposed development site is currently used for commercial forestry. Wind energy is also a significant land-use in the vicinity, and includes the existing Crockahenny, Sorne Hill, Flughland and Glackmore wind farm developments.

As part of the EIA process, we would welcome any comments that you might have in relation to the proposed project, including baseline data, survey techniques or potential impacts that should be considered as part of the assessment process and in the preparation of the EIAR. In order to facilitate this, a Scoping Document providing details of the proposed project and the site of the proposed development is attached.

If you could return any comments or suggestions at your earliest convenience it would be much appreciated. If you require any further information, please do not hesitate to contact me.

Kind Regards,



Eoin McCarthy B.Sc. (Env.)
Senior Environmental Scientist

MKO
Tuam Road, Galway
Ireland, H91 VW84
+353 (0) 91 735611
www.mkoireland.ie



McCarthy Keville O'Sullivan Ltd. T/A MKO. Registered in Ireland No. 462657. VAT No. IE9693052R

This email and any attached files or emails transmitted with it are confidential and intended solely for the use of the individual(s) or entity to whom it is addressed. If the reader is not a representative of the intended recipient(s), any review, dissemination or copying of this message or the information it contains is prohibited. If you have received this email in error please notify the sender of the email and delete the email. MKO does not represent or warrant

Eoin McCarthy

From: info@birdwatchireland.ie
Sent: 16 August 2019 09:16
To: Eoin McCarthy
Subject: RE: EIA Scoping Document for Proposed Glenard Wind Farm, Co. Donegal (190114) FAO: Oran O'Sullivan

Hi Eoin ,

We would like to confirm receipt of your email which has been forwarded to our Policy & Advocacy officer Oonagh Duggan .

Regards,

Michelle Kavanagh,

Membership Department.

BirdWatch Ireland

Unit 20 Block D | Bullford Business Campus | Kilcoole | Greystones | A63 RW83 | Co.Wicklow | Ireland

Tel: +353 (0)1 281 9878 email: mkavanagh@birdwatchireland.ie

Website: www.birdwatchireland.ie

BirdWatch Ireland - protecting wild birds and their habitats

BirdWatch Ireland - protecting birds and biodiversity

Cairde Éanlaith Éireann - ag caomhnú éin agus bithéagsúlacht

To join as a member, make a donation, volunteer or shop online visit www.birdwatchireland.ie or call us on +353 (0)1 281 9878

From: Eoin McCarthy [mailto:emccarthy@mkoireland.ie]

Sent: Thursday 15 August 2019 17:30

To: info@birdwatchireland.ie

Cc: MKO-Admin <info@mkoireland.ie>

Subject: EIA Scoping Document for Proposed Glenard Wind Farm, Co. Donegal (190114) FAO: Oran O'Sullivan

Dear Mr. O'Sullivan,

McCarthy Keville O'Sullivan Ltd. is preparing an Environmental Impact Assessment Report Statement (EIAR) for the proposed Glenard Wind Farm, located approximately 7.5 kilometres east of Buncrana, Inishowen, Co. Donegal.

The applicant for the proposed development is Coillte. The proposed development site is currently used for commercial forestry. Wind energy is also a significant land-use in the vicinity, and includes the existing Crockahenny, Sorne Hill, Flughland and Glackmore wind farm developments.

As part of the EIA process, we would welcome any comments that you might have in relation to the proposed project, including baseline data, survey techniques or potential impacts that should be considered as part of the assessment process and in the preparation of the EIAR. In order to facilitate this, a Scoping Document providing details of the proposed project and the site of the proposed development is enclosed with this letter.

Eoin McCarthy

From: PropertyManagementPlanning <PropertyManagementPlanning@defence.ie>
Sent: 16 August 2019 16:13
To: Eoin McCarthy
Subject: FW: EIA Scoping Document for Proposed Glenard Wind Farm, Co. Donegal (190114)

Hi Eoin,

I wish to acknowledge receipt of your email request. I have forwarded your email to the military for their observations and will be in touch in due course.

*Kind Regards,
Geraldine*

Geraldine Cunningham

Property Management Branch

An Roinn Cosanta

Department of Defence

Bóthar an Staisiúin, An Droichead Nua, Contae Chill Dara, W12 AD93.

Station Road, Newbridge, Co.Kildare, W12 AD93.

T +353 (0)45 492036

geraldine.cunningham@defence.ie

From: Olive.Mulhall

Sent: 16 August 2019 10:28

To: Eoin McCarthy <emccarthy@mkoireland.ie>

Subject: RE: EIA Scoping Document for Proposed Glenard Wind Farm, Co. Donegal (190114)

Hi Eoin,

I no longer look after planning requests but I have forwarded your email to my colleagues in Propertymanagementplanning@defence.ie

They will get back to you in due course.

Kind regards,
Olive

Olive Mulhall

An Roinn Cosanta

Department of Defence

Bóthar an Stáisiúin, An Droichead Nua, Contae Chill Dara, W12 AD93.

Station Road, Newbridge, Co.Kildare, W12 AD93.

T +353 (0)45 492189

E-mail: olive.mulhall@defence.ie

From: Eoin McCarthy <emccarthy@mkoireland.ie>

Sent: 16 August 2019 09:31

To: Olive.Mulhall <Olive.Mulhall@defence.ie>

Subject: EIA Scoping Document for Proposed Glenard Wind Farm, Co. Donegal (190114)

Dear Ms. Mulhall,

McCarthy Keville O'Sullivan Ltd. is preparing an Environmental Impact Assessment Report Statement (EIAR) for the proposed Glenard Wind Farm, located approximately 7.5 kilometres east of Buncrana, Inishowen, Co. Donegal.

The applicant for the proposed development is Coillte. The proposed development site is currently used for commercial forestry. Wind energy is also a significant land-use in the vicinity, and includes the existing Crockahenny, Sorne Hill, Flughland and Glackmore wind farm developments.

As part of the EIA process, we would welcome any comments that you might have in relation to the proposed project, including baseline data, survey techniques or potential impacts that should be considered as part of the assessment process and in the preparation of the EIAR. In order to facilitate this, a Scoping Document providing details of the proposed project and the site of the proposed development is enclosed with this letter.

If you could return any comments or suggestions at your earliest convenience it would be much appreciated. If you require any further information, please do not hesitate to contact me.

Kind Regards,



Eoin McCarthy B.Sc. (Env.)
Senior Environmental Scientist

MKO
Tuam Road, Galway
Ireland, H91 VW84
+353 (0) 91 735611
www.mkoireland.ie



McCarthy Keville O'Sullivan Ltd. T/A MKO. Registered in Ireland No. 462657. VAT No. IE9693052R

This email and any attached files or emails transmitted with it are confidential and intended solely for the use of the individual(s) or entity to whom it is addressed. If the reader is not a representative of the intended recipient(s), any review, dissemination or copying of this message or the information it contains is prohibited. If you have received this email in error please notify the sender of the email and delete the email. MKO does not represent or warrant that any attachment hereto is free from computer viruses or other defects. The opinions expressed in this e-mail and any attachments may be those of the author and are not necessarily those of MKO

Eoin McCarthy

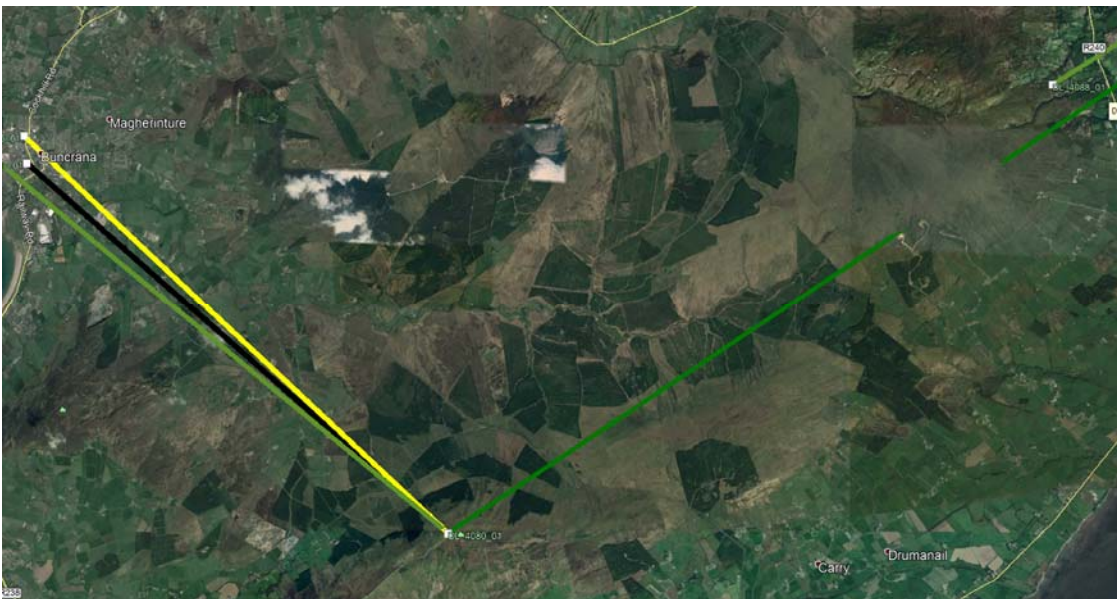
From: John Bagnall <john.bagnall@eir.ie>
Sent: 19 August 2019 11:23
To: Eoin McCarthy
Cc: Mobile Networks TXN
Subject: Re: EIA Scoping Document for Proposed Glenard Wind Farm, Co. Donegal

Hi Eoin,

We have Two transmission links within the proposed area, that would be at risk, the end points of the transmission links are below, if you could keep a buffer of 100meters radius away from this transmission path when placing you turbines and send on for further analysis.

Link 1 – End point 1 - 55°13'15.73"N 7° 1'6.49"W, End point 2 – 55° 8'33.77"N 7°14'25.57"W
Link 2 – End point 1 - 55°13'15.73"N 7° 1'6.49"W, End point 2 – 55° 5'22.92"N 7°21'55.29"W

Please keep sending new development analysis request to MobileNetworksTXN@eir.ie for Eir Mobile (formerly Meteor) network analysis.



Kind regards,



John Bagnall
Transmission Design & Engineering

M: +353 85 1053746

E: john.bagnall@eir.ie

Address: EirCode - D24 HX03

On Fri, 16 Aug 2019 at 09:34, Eoin McCarthy <emccarthy@mkoireland.ie> wrote:

Hi John,

McCarthy Keville O'Sullivan Ltd. is preparing an Environmental Impact Assessment Report Statement (EIAR) for the proposed Glenard Wind Farm, located approximately 7.5 kilometres east of Buncrana, Inishowen, Co. Donegal. I had previously emailed you in relation to this site in May 2019.

The applicant for the proposed development is Coillte. The proposed development site is currently used for commercial forestry. Wind energy is also a significant land-use in the vicinity, and includes the existing Crockahenny, Sorne Hill, Flughland and Glackmore wind farm developments.

For your own records, a Scoping Document providing details of the proposed project and the site of the proposed development is attached.

Kind Regards,



Eoin McCarthy B.Sc. (Env.)
Senior Environmental Scientist

MKO

Tuam Road, Galway

Ireland, H91 VW84

+353 (0) 91 735611

www.mkoireland.ie



McCarthy Keville O'Sullivan Ltd. T/A MKO. Registered in Ireland No. 462657. VAT No. IE9693052R

This email and any attached files or emails transmitted with it are confidential and intended solely for the use of the individual(s) or entity to whom it is addressed. If the reader is not a representative of the intended recipient(s), any review, dissemination or copying of this message or the information it contains is prohibited. If you have received this email in error please notify the sender of the email and delete the email. MKO does not represent or warrant that any attachment hereto is free from computer viruses or other defects. The opinions expressed in this e-mail and any attachments may be those of the author and are not necessarily those of MKO

Eoin McCarthy

From: Peter O'Brien <peter.obrien@enet.ie>
Sent: 20 August 2019 11:41
To: Eoin McCarthy
Subject: RE: EIA Scoping Document for Proposed Glenard Wind Farm, Co. Donegal (190114)

Hi Eoin,

As long as the blade doesn't block the line of sight then there should be no issue, 250m would be fine,

Regards,
Peter

From: Eoin McCarthy <emccarthy@mkoireland.ie>
Sent: Tuesday, August 20, 2019 11:38 AM
To: Peter O'Brien <peter.obrien@enet.ie>
Subject: RE: EIA Scoping Document for Proposed Glenard Wind Farm, Co. Donegal (190114)

Hi Peter,

What separation distance would you normally require between a link and a turbine blade tip?

It is unlikely that we will be locating a turbine any closer than 250m from the link below.

Kind Regards,



Eoin McCarthy B.Sc. (Env.)
Senior Environmental Scientist

MKO
Tuam Road, Galway
Ireland, H91 VW84
+353 (0) 91 735611
www.mkoireland.ie



McCarthy Keville O'Sullivan Ltd. T/A MKO. Registered in Ireland No. 462657. VAT No. IE9693052R

This email and any attached files or emails transmitted with it are confidential and intended solely for the use of the individual(s) or entity to whom it is addressed. If the reader is not a representative of the intended recipient(s), any review, dissemination or copying of this message or the information it contains is prohibited. If you have received this email in error please notify the sender of the email and delete the email. MKO does not represent or warrant that any attachment hereto is free from computer viruses or other defects. The opinions expressed in this e-mail and any attachments may be those of the author and are not necessarily those of MKO

From: Peter O'Brien <peter.obrien@enet.ie>
Sent: 20 August 2019 08:45
To: Eoin McCarthy <emccarthy@mkoireland.ie>
Subject: RE: EIA Scoping Document for Proposed Glenard Wind Farm, Co. Donegal (190114)

Hi Eoin,

The only link we have passing this area is:

Inish Windfarm - 55° 8'26.24"N 7°16'22.15"W to RTE Fanad - 55°13'39.46"N 7°39'48.95"W

Kind Regards,
Peter

From: Eoin McCarthy <emccarthy@mkoireland.ie>
Sent: Tuesday, August 20, 2019 8:28 AM
To: Peter O'Brien <peter.obrien@enet.ie>
Subject: RE: EIA Scoping Document for Proposed Glenard Wind Farm, Co. Donegal (190114)

Hi Peter,

Please see attached the KML, as requested.

Kind Regards,



Eoin McCarthy B.Sc. (Env.)
Senior Environmental Scientist

MKO
Tuam Road, Galway
Ireland, H91 VW84
+353 (0) 91 735611
www.mkoireland.ie



McCarthy Keville O'Sullivan Ltd. T/A MKO. Registered in Ireland No. 462657. VAT No. IE9693052R

This email and any attached files or emails transmitted with it are confidential and intended solely for the use of the individual(s) or entity to whom it is addressed. If the reader is not a representative of the intended recipient(s), any review, dissemination or copying of this message or the information it contains is prohibited. If you have received this email in error please notify the sender of the email and delete the email. MKO does not represent or warrant that any attachment hereto is free from computer viruses or other defects. The opinions expressed in this e-mail and any attachments may be those of the author and are not necessarily those of MKO

From: Peter O'Brien <peter.obrien@enet.ie>
Sent: 20 August 2019 08:16
To: Eoin McCarthy <emccarthy@mkoireland.ie>
Subject: RE: EIA Scoping Document for Proposed Glenard Wind Farm, Co. Donegal (190114)

Hi Eoin,

Can you send the proposed area in a Google Earth kml?

Thanks,
Peter

From: Eoin McCarthy <emccarthy@mkoireland.ie>
Sent: Friday, August 16, 2019 9:33 AM
To: Peter O'Brien <peter.obrien@enet.ie>
Subject: EIA Scoping Document for Proposed Glenard Wind Farm, Co. Donegal (190114)

Dear Mr. O'Brien,

McCarthy Keville O'Sullivan Ltd. is preparing an Environmental Impact Assessment Report Statement (EIAR) for the proposed Glenard Wind Farm, located approximately 7.5 kilometres east of Buncrana, Inishowen, Co. Donegal. I had previously emailed you in relation to this site in May 2019.

The applicant for the proposed development is Coillte. The proposed development site is currently used for commercial forestry. Wind energy is also a significant land-use in the vicinity, and includes the existing Crockahenny, Sorne Hill, Flughland and Glackmore wind farm developments.

For your own records, a Scoping Document providing details of the proposed project and the site of the proposed development is attached.

Kind Regards,



Eoin McCarthy B.Sc. (Env.)
Senior Environmental Scientist

MKO
Tuam Road, Galway
Ireland, H91 VW84
+353 (0) 91 735611
www.mkoireland.ie



McCarthy Keville O'Sullivan Ltd. T/A MKO. Registered in Ireland No. 462657. VAT No. IE9693052R

This email and any attached files or emails transmitted with it are confidential and intended solely for the use of the individual(s) or entity to whom it is addressed. If the reader is not a representative of the intended recipient(s), any review, dissemination or copying of this message or the information it contains is prohibited. If you have received this email in error please notify the sender of the email and delete the email. MKO does not represent or warrant that any attachment hereto is free from computer viruses or other defects. The opinions expressed in this e-mail and any attachments may be those of the author and are not necessarily those of MKO

Eoin McCarthy

From: Peter O'Brien <peter.obrien@enet.ie>
Sent: 20 August 2019 08:45
To: Eoin McCarthy
Subject: RE: EIA Scoping Document for Proposed Glenard Wind Farm, Co. Donegal (190114)

Hi Eoin,

The only link we have passing this area is:

Inish Windfarm - 55° 8'26.24"N 7°16'22.15"W to RTE Fanad - 55°13'39.46"N 7°39'48.95"W

Kind Regards,
Peter

From: Eoin McCarthy <emccarthy@mkoireland.ie>
Sent: Tuesday, August 20, 2019 8:28 AM
To: Peter O'Brien <peter.obrien@enet.ie>
Subject: RE: EIA Scoping Document for Proposed Glenard Wind Farm, Co. Donegal (190114)

Hi Peter,

Please see attached the KML, as requested.

Kind Regards,



Eoin McCarthy B.Sc. (Env.)
Senior Environmental Scientist

MKO
Tuam Road, Galway
Ireland, H91 VW84
+353 (0) 91 735611
www.mkoireland.ie



McCarthy Keville O'Sullivan Ltd. T/A MKO. Registered in Ireland No. 462657. VAT No. IE9693052R

This email and any attached files or emails transmitted with it are confidential and intended solely for the use of the individual(s) or entity to whom it is addressed. If the reader is not a representative of the intended recipient(s), any review, dissemination or copying of this message or the information it contains is prohibited. If you have received this email in error please notify the sender of the email and delete the email. MKO does not represent or warrant that any attachment hereto is free from computer viruses or other defects. The opinions expressed in this e-mail and any attachments may be those of the author and are not necessarily those of MKO

From: Peter O'Brien <peter.obrien@enet.ie>
Sent: 20 August 2019 08:16
To: Eoin McCarthy <emccarthy@mkoireland.ie>
Subject: RE: EIA Scoping Document for Proposed Glenard Wind Farm, Co. Donegal (190114)

Hi Eoin,

Can you send the proposed area in a Google Earth kml?

Thanks,

Peter

From: Eoin McCarthy <emccarthy@mkoireland.ie>
Sent: Friday, August 16, 2019 9:33 AM
To: Peter O'Brien <peter.obrien@enet.ie>
Subject: EIA Scoping Document for Proposed Glenard Wind Farm, Co. Donegal (190114)

Dear Mr. O'Brien,

McCarthy Keville O'Sullivan Ltd. is preparing an Environmental Impact Assessment Report Statement (EIAR) for the proposed Glenard Wind Farm, located approximately 7.5 kilometres east of Buncrana, Inishowen, Co. Donegal. I had previously emailed you in relation to this site in May 2019.

The applicant for the proposed development is Coillte. The proposed development site is currently used for commercial forestry. Wind energy is also a significant land-use in the vicinity, and includes the existing Crockahenny, Some Hill, Flughland and Glackmore wind farm developments.

For your own records, a Scoping Document providing details of the proposed project and the site of the proposed development is attached.

Kind Regards,



Eoin McCarthy B.Sc. (Env.)
Senior Environmental Scientist

MKO
Tuam Road, Galway
Ireland, H91 VW84
+353 (0) 91 735611
www.mkoireland.ie



McCarthy Keville O'Sullivan Ltd. T/A MKO. Registered in Ireland No. 462657. VAT No. IE9693052R

This email and any attached files or emails transmitted with it are confidential and intended solely for the use of the individual(s) or entity to whom it is addressed. If the reader is not a representative of the intended recipient(s), any review, dissemination or copying of this message or the information it contains is prohibited. If you have received this email in error please notify the sender of the email and delete the email. MKO does not represent or warrant that any attachment hereto is free from computer viruses or other defects. The opinions expressed in this e-mail and any attachments may be those of the author and are not necessarily those of MKO

Eoin McCarthy

From: William Morgan <william.morgan@imaginegroup.ie>
Sent: 16 August 2019 09:07
To: Eoin McCarthy
Cc: Ronnie O'Neill; Tiago Almeida
Subject: Re: EIA Scoping Document for Proposed Glenard Wind Farm, Co. Donegal

Hi Eoin,

I have reviewed the proposed location/EIAR for the Glenard Wind Farm and I am happy to confirm that the proposed location won't have any impact on any existing/planned Imagine microwave links.

Kind Regards,
Will.

From: Ronnie O'Neill <Ronnie.ONeill@imaginegroup.ie>
Sent: 15 August 2019 18:43
To: William Morgan <william.morgan@imaginegroup.ie>
Subject: Fwd: EIA Scoping Document for Proposed Glenard Wind Farm, Co. Donegal

FYI....

Rgds,

From: Eoin McCarthy <emccarthy@mkoireland.ie>
Sent: Thursday, August 15, 2019 6:18:24 PM
To: Ronnie O'Neill <Ronnie.ONeill@imaginegroup.ie>
Subject: EIA Scoping Document for Proposed Glenard Wind Farm, Co. Donegal

Hi Ronnie,

McCarthy Keville O'Sullivan Ltd. is preparing an Environmental Impact Assessment Report Statement (EIAR) for the proposed Glenard Wind Farm, located approximately 7.5 kilometres east of Buncrana, Inishowen, Co. Donegal. I had previously emailed you in relation to this site in May 2019.

The applicant for the proposed development is Coillte. The proposed development site is currently used for commercial forestry. Wind energy is also a significant land-use in the vicinity, and includes the existing Crockahenny, Somne Hill, Flughland and Glackmore wind farm developments.

For your own records, a Scoping Document providing details of the proposed project and the site of the proposed development is attached.

Kind Regards,

Eoin McCarthy

From: Manager DAU <Manager.DAU@chg.gov.ie>
Sent: 16 August 2019 15:29
To: Eoin McCarthy
Subject: RE: EIA Scoping Document for Proposed Glenard Wind Farm, Co. Donegal (190114)

Our Ref: G Pre00228/2019 (Please quote in all related correspondence)

A Chara

On behalf of the Department of Culture, Heritage and the Gaeltacht, I acknowledge receipt of your recent consultation.

In the event of observations, you will receive a co-ordinated heritage-related response by email from Development Applications Unit (DAU) on behalf of the Department.

The normal target turnaround for pre-planning and other general consultations is six weeks from date of receipt. In relation to general consultations from public bodies under the European Communities (Environmental Assessment of Certain Plans and Programmes) Regulations 2004 to 2011, the Department endeavours to meet deadline dates, where requested.

If you have not heard from DAU and wish to receive an update, please telephone the direct line number below or email manager.dau@chg.gov.ie.

Connor Rooney
Executive Officer

An Roinn Cultúir, Oidhreacht agus Gaeltachta
Department of Culture, Heritage and the Gaeltacht

Aonad na nIarratas ar Fhorbairt
Development Applications Unit

Bóthar an Bhaile Nua, Loch Garman, Contae Loch Garman, Y35 AP90
Newtown Road, Wexford, County Wexford, Y35 AP90

T +353 (0)53 911 7464
manager.dau@chg.gov.ie
www.chg.gov.ie

From: Eoin McCarthy [mailto:emccarthy@mkoireland.ie]
Sent: Friday 16 August 2019 09:31
To: Manager DAU <Manager.DAU@chg.gov.ie>
Subject: EIA Scoping Document for Proposed Glenard Wind Farm, Co. Donegal (190114)

Dear Sir or Madam,

McCarthy Keville O'Sullivan Ltd. is preparing an Environmental Impact Assessment Report Statement (EIAR) for the proposed Glenard Wind Farm, located approximately 7.5 kilometres east of Buncrana, Inishowen, Co. Donegal.

The applicant for the proposed development is Coillte. The proposed development site is currently used for commercial forestry. Wind energy is also a significant land-use in the vicinity, and includes the existing Crockahenny, Sorne Hill, Flughland and Glackmore wind farm developments.

As part of the EIA process, we would welcome any comments that you might have in relation to the proposed project, including baseline data, survey techniques or potential impacts that should be considered as part of the assessment process and in the preparation of the EIAR. In order to facilitate this, a Scoping Document providing details of the proposed project and the site of the proposed development is attached to this email.

If you could return any comments or suggestions at your earliest convenience it would be much appreciated. If you require any further information, please do not hesitate to contact me.

Kind Regards,



Eoin McCarthy B.Sc. (Env.)
Senior Environmental Scientist

MKO
Tuam Road, Galway
Ireland, H91 VW84
+353 (0) 91 735611
www.mkoireland.ie



McCarthy Keville O'Sullivan Ltd. T/A MKO. Registered in Ireland No. 462657. VAT No. IE9693052R

This email and any attached files or emails transmitted with it are confidential and intended solely for the use of the individual(s) or entity to whom it is addressed. If the reader is not a representative of the intended recipient(s), any review, dissemination or copying of this message or the information it contains is prohibited. If you have received this email in error please notify the sender of the email and delete the email. MKO does not represent or warrant that any attachment hereto is free from computer viruses or other defects. The opinions expressed in this e-mail and any attachments may be those of the author and are not necessarily those of MKO

Tá an t-eolas sa ríomhphost seo faoi rún, chomh maith le gach comhad atá ceangailte leis, agus i gcomhair úsáid an duine nó an chórais a bhfuil sé dírithe air amháin. Má fhaigheann tú an ríomhphost seo trí bhotún, cuir scéal chugainn ag webmaster@chg.gov.ie. Tá an ríomhphost seo arna sheiceáil ag scanóir víreas agus dealramh air go bhfuil sé glan.

The information in this email, and any attachments transmitted with it, are confidential and are for the intended recipient only. If you receive this message in error, please notify us via webmaster@chg.gov.ie. This e-mail has been scanned by a virus scanner and appears to be clean.

Eoin McCarthy

From: Liam Allister <Liam.Allister@virginmedia.ie>
Sent: 20 August 2019 11:33
To: Eoin McCarthy
Cc: Cathal O Donnell; Mark Nolan
Subject: EIA Scoping Document for Proposed Glenard Wind FArm, Co. Donegal (190114)

Hi Eoin,

Re; EIA Scoping Document for Proposed Glenard Wind FArm, Co. Donegal (190114)

Virgin Media do not have any Microwave Communications Links that would be effected by the proposed Glenard Wind Farm, located approximately 7.5 kilometres east of Buncrana, Inishowen, Co. Donegal. If there is any change to the proposed site area please let me know so I can plot the changes.

Kind Regards

Liam Allister | B2B Access Network Transmission Engineer,

Virgin Media | John F Connelly Road, Churchfield, Cork.

Liam.allister@virginmedia.ie

***** Virgin Media Ireland Limited Registered Number in Ireland: 435668 Registered Address: East Point Business Park, Building P2, Clontarf, Dublin 3, Ireland The contents of this email and any attachments are sent for the attention of the addressee(s) only and are or may be confidential, proprietary and/or privileged material. If you have received this email in error, please notify the sender immediately and delete it from your system. If you are not the addressee, any review, retransmission, disclosure, copying or other use of this email and any attachments is prohibited. Statements and opinions expressed in this email may not represent those of the company and any representations or commitments in this email are subject to contract.*****



MKO
Tuam Road
County Galway

22 August 2019

Re: EIA Scoping Document for Proposed Glenard Wind Farm, Co. Donegal

Your Ref:
Our Ref: 19/190

Eoin, a chara,

With reference to your email received on 16 August 2019, concerning the proposed Glenard Wind Farm in Co. Donegal, Geological Survey Ireland (a division of Department of Communications, Climate Action and Environment) would like to make the following comments:

Geoheritage

Geological Survey Ireland (GSI) is in partnership with the National Parks and Wildlife Service (NPWS, Department of Arts, Heritage, Regional, Rural and Gaeltacht Affairs) to identify and select important geological and geomorphological sites throughout the country for designation as geological NHAs (Natural Heritage Areas). This is addressed by the Irish Geoheritage Programme (IGH) of GSI, under 16 different geological themes, in which the minimum number of scientifically significant sites that best represent the theme are rigorously selected by a panel of theme experts.

County Geological Sites (CGS), as adopted under the National Heritage Plan are now included in County Development Plans and in the GIS of planning departments, to ensure the recognition and appropriate protection of geological heritage within the planning system.

County Geological Sites can be viewed online under the Geological Heritage tab on the [Geological Survey's Online Map Viewer](#). Though the audit for Co. Donegal will be published later this year, **our records show that there are no current CGSs located within the vicinity of the proposed development**. Therefore, with the current plans, there are no envisaged impacts on the integrity of CGSs. However, if the proposed development plan is altered, please contact Siobhán Power at Siobhan.Power@gsi.ie for further information and possible mitigation measures if applicable.

Groundwater

Groundwater is important as a source of drinking water, and it supports river flows, lake levels and ecosystems. It contains natural substances dissolved from the soils and rocks that it flows through, and can also be contaminated by human actions on the land surface. As a clean, but vulnerable, resource, groundwater needs to be understood, managed and protected. Through our [Groundwater Programme](#), Geological Survey Ireland provides advice and maps to members of the public, consultancies and public bodies about groundwater quality, quantity and distribution. Geological Survey Ireland monitors groundwater nationwide by characterising aquifers, investigating karst landscapes and landforms and by helping to protect public and group scheme water supplies. With regard to Flood Risk Management, there is a need to identify areas for integrated constructed wetlands. We recommend using the GSI's National Aquifer and Recharge maps on our [Map viewer](#) to this end.

Geohazards

Geohazards can cause widespread damage to landscapes, wildlife, human property and human life. In Ireland, landslides are the most prevalent of these hazards. Landslides are possible in areas of peat land, which occur over the proposed development areas. Geological Survey Ireland has information available on past landslides, for viewing on our website and as a layer on our [Map Viewer](#). Geological Survey Ireland also engages in national projects such as Landslide Susceptibility Mapping and GWflood Groundwater Flooding, and in international projects, such as the Tsunami Warning System, coordinated by the Intergovernmental Oceanographic



Commission of UNESCO. We recommend that geohazards be taken into consideration, especially when developing areas where these risks are prevalent, and we encourage the use of our data when doing so.

Geothermal Energy

Geothermal energy harnesses the heat beneath the surface of the Earth for heating applications and electricity generation, and has proven to be secure, environmentally sustainable and cost effective over long time periods. Geothermal applications can range in depth from a few metres below the surface to several kilometres. Ireland has widespread shallow geothermal resources for small and medium-scale heating applications, which can be explored online through Geological Survey Ireland's Geothermal Suitability maps for both domestic and commercial use. We recommend use of our [Geothermal Suitability maps](#) to determine the most suitable type of ground source heat collector for use with heat pump technologies. Ireland also has recognised potential for deep geothermal resources. Geological Survey Ireland currently supports and funds research into this national energy resource.

Natural Resources (Minerals/Aggregates)

Geological Survey Ireland is of the view that the sustainable development of our natural resources should be an integral part of all development plans from a national to regional to local level to ensure that the materials required for our society are available when required. Geological Survey Ireland highlights the consideration of mineral resources and potential resources as a material asset which should be explicitly recognised within the environmental assessment process.

Geological Survey Ireland provides data, maps, interpretations and advice on matters related to minerals, their use and their development in our [Minerals section](#) of the website. The Active Quarries, Mineral Localities and the Aggregate Potential maps are available on our [Map Viewer](#).

Other Comments

Geological Survey Ireland is the national earth science agency and has datasets on Bedrock Geology, Quaternary Geology, Geological Heritage Sites, Mineral deposits, Groundwater Resources and the Irish Seabed. These comprise maps, reports and extensive databases that include mineral occurrences, bedrock/mineral exploration groundwater/site investigation boreholes, karst features, wells and springs. Please see our [website](#) for data availability.

I hope that these comments are of assistance, and if we can be of any further help, please do not hesitate to contact me, or my colleague Siobhán Power (Siobhan.Power@gsi.ie).

Le meas,

Amrine Dubois Gafar
Geoheritage Programme

Mr. Eoin McCarthy
McCarthy Keville O'Sullivan
Block 1 G.F.S.C.
Moneengeisha Road
Co. Galway

Received on

22 AUG 2019

190114
Eoin McCarthy

Dáta | Date
21 August 2019

Ár dTag | Our Ref.
TII19-106881

Bhur dTag | Your Ref.
190114

RE: EIAR Scoping in relation to the proposed Glenard Wind Farm, Inishowen, Co. Donegal

Dear Mr. McCarthy,

Thank you for your correspondence of 15 August regarding the above EIAR scoping request.

Transport Infrastructure Ireland (TII) wishes to advise that we are not in a position to engage directly with planning applicants in respect to proposed developments. TII will endeavour to consider and respond to planning applications referred to it given its status and duties as a statutory consultee under the Planning Acts. The approach to be adopted by TII in making such submissions or comments will seek to uphold official policy and guidelines as outlined in the Spatial Planning and National Roads Guidelines for Planning Authorities (DoECLG, 2012). Regard should also be had to other relevant guidance available at www.TII.ie.

The issuing of this correspondence is provided as best practice guidance only and does not prejudice TII's statutory right to make any observations, requests for further information, objections or appeals following the examination of any valid planning application referred.

With respect to EIAR scoping issues, the recommendations indicated below provide only general guidance for the preparation of an EIAR, which may affect the national road network.

The developer/scheme promoter should have regard, *inter alia*, to the following;

- Consultations should be had with the relevant local authority/national roads design office with regard to locations of existing and future national road schemes.
- TII would be specifically concerned as to potential significant impacts the development would have on the national road network (and junctions with national roads) in the proximity of the proposed development.
- The developer should assess visual impacts from existing national roads.
- The developer should have regard to any Environmental Impact Statement and all conditions and/or modifications imposed by An Bord Pleanála regarding road schemes in the area. The developer should in particular have regard to any potential cumulative impacts.
- The developer, in conducting Environmental Impact Assessment, should have regard to TII Publications (formerly DMRB and the Manual of Contract Documents for Road Works).
- The developer, in conducting Environmental Impact Assessment, should have regard to TII's Environmental Assessment and Construction Guidelines, including the *Guidelines for the Treatment of Air Quality During the Planning and Construction of National Road Schemes* (National Roads Authority, 2006).

Próiseálann BIÉ sonraí pearsanta a sholáthraítear dó i gcomhréir lena Fhógra ar Chosaint Sonraí atá ar fáil ag www.tii.ie.
TII processes personal data in accordance with its Data Protection Notice available at www.tii.ie.

- The EIAR should consider the Environmental Noise Regulations 2006 (SI 140 of 2006) and, in particular, how the development will affect future action plans by the relevant competent authority. The developer may need to consider the incorporation of noise barriers to reduce noise impacts (see *Guidelines for the Treatment of Noise and Vibration in National Road Schemes* (1st Rev., National Roads Authority, 2004)).
- It would be important that, where appropriate, subject to meeting the appropriate thresholds and criteria and having regard to best practice, a Traffic and Transport Assessment be carried out in accordance with relevant guidelines, noting traffic volumes attending the site and traffic routes to/from the site with reference to impacts on the national road network and junctions of lower category roads with national roads. TII's Traffic and Transport Assessment Guidelines (2014) should be referred to in relation to proposed development with potential impacts on the national road network. The scheme promoter is also advised to have regard to Section 2.2 of the NRA/TII TTA Guidelines which addresses requirements for sub-threshold TTA.
- The designers are asked to consult TII Publications to determine whether a Road Safety Audit is required.
- In the interests of maintaining the safety and standard of the national road network, the EIAR should identify the methods/techniques proposed for any works traversing/in proximity to the national road network.
- In relation to haul route identification, the applicant/developer should clearly identify haul routes proposed and fully assess the network to be traversed. Separate structure approvals/permits and other licences may be required in connection with the proposed haul route, including where temporary modification to the road network may be required. Consultation with relevant PPP Companies and MMaRC Contractors may also be required. All structures on the haul route should be checked by the applicant/developer to confirm their capacity to accommodate any abnormal load proposed.
- In relation to cabling and potential connection routing, the scheme promoter should note locations of existing and future national road schemes and develop proposals to safeguard proposed road schemes. In the context of existing national roads, alternatives to the provision of cabling along the national road network, such as alternative routing or the laying of cabling in private lands adjoining the national road, should be considered in the interests of safeguarding the investment in and the potential for future upgrade works to the national road network. The cable routing should avoid all impacts to existing TII infrastructure such as traffic counters, weather stations, etc. and works required to such infrastructure shall only be undertaken in consultation with and subject to the agreement of TII. Any costs attributable shall be borne by the applicant/developer. The developer should also be aware that separate approvals may be required for works traversing the national road network and motorway network.

Notwithstanding any of the above, the developer should be aware that this list is non-exhaustive, thus site and development specific issues should be addressed in accordance with best practise.

I trust that the above comments are of use in your EIAR preparation.

Yours sincerely,



Michael McCormack
Senior Land Use Planner

Eoin McCarthy

From: planning applications <planning.applications@failteireland.ie>
Sent: Monday 26 August 2019 12:06
To: Eoin McCarthy
Subject: FW: EIA Scoping Document for Proposed Glenard Wind Farm, Co. Donegal (190114)
Attachments: 190725 ENGL EIA SD F - 190114.pdf; Fáilte Ireland EIAR Guidelines.pdf

Hello Eoin,

Thank you for your e-mail regarding the proposed Glenard Wind Farm, Co. Donegal.

Please see attached a copy of Fáilte Ireland's Guidelines for the Treatment of Tourism in an EIS, which we recommend should be taken into account in preparing the EIAR.

We have a dedicated 'inbox' for planning notifications/applications, queries and documentation, for future planning information please send direct to planning.applications@faiteireland.ie or by post to Fáilte Ireland, Mr Shane Dineen, Manager of Environment & Planning, 88/95 Amiens Street, Dublin 1. D01WR86.

This will ensure the information/notifications will get to the Environment & Planning Unit Team and reviewed in a timely manner.

Regards,

Yvonne

Yvonne Jackson

Product Development-Environmental & Planning Support | Fáilte Ireland
Áras Fáilte, 88/95 Amiens Street, Dublin 1. D01WR86
T +353 (0)1 884 7224 | www.failteireland.ie



From: Eoin McCarthy <emccarthy@mkoireland.ie>
Sent: 16 August 2019 9:32 AM
To: Yvonne Jackson <Yvonne.Jackson@failteireland.ie>
Subject: EIA Scoping Document for Proposed Glenard Wind Farm, Co. Donegal (190114)

Dear Ms. Jackson,

McCarthy Keville O'Sullivan Ltd. is preparing an Environmental Impact Assessment Report Statement (EIAR) for the proposed Glenard Wind Farm, located approximately 7.5 kilometres east of Buncrana, Inishowen, Co. Donegal.

The applicant for the proposed development is Coillte. The proposed development site is currently used for commercial forestry. Wind energy is also a significant land-use in the vicinity, and includes the existing Crockahenny, Somne Hill, Flughland and Glackmore wind farm developments.

As part of the EIA process, we would welcome any comments that you might have in relation to the proposed project, including baseline data, survey techniques or potential impacts that should be considered as part of the assessment process and in the preparation of the EIAR. In order to facilitate this, a Scoping Document providing details of the proposed project and the site of the proposed development is attached.

If you could return any comments or suggestions at your earliest convenience it would be much appreciated. If you require any further information, please do not hesitate to contact me.

Kind Regards,



Eoin McCarthy B.Sc. (Env.)
Senior Environmental Scientist

MKO
Tuam Road, Galway
Ireland, H91 VW84
+353 (0) 91 735611
www.mkoireland.ie



McCarthy Keville O'Sullivan Ltd. T/A MKO. Registered in Ireland No. 462657. VAT No. IE9693052R

This email and any attached files or emails transmitted with it are confidential and intended solely for the use of the individual(s) or entity to whom it is addressed. If the reader is not a representative of the intended recipient(s), any review, dissemination or copying of this message or the information it contains is prohibited. If you have received this email in error please notify the sender of the email and delete the email. MKO does not represent or warrant that any attachment hereto is free from computer viruses or other defects. The opinions expressed in this e-mail and any attachments may be those of the author and are not necessarily those of MKO

Note: To protect against computer viruses, e-mail programs may prevent sending or receiving certain types of file attachments. Check your e-mail security settings to determine how attachments are handled. Privileged, confidential and/or copyright information may be contained in this E-Mail. This E-Mail is for the use of the intended addressee. If you are not the intended addressee, or the person responsible for delivering it to the intended addressee, you may not copy, forward, disclose or otherwise use it or any part of it in any way whatsoever. To do so is prohibited and may be unlawful. If you receive this E-Mail by mistake, please advise the sender immediately by using the REPLY facility in your E-Mail software and delete all associated material immediately.



Derry City & Strabane
District Council
Comhairle
Chathair Dhoire &
Cheantar an tSratha Báin
Derry Cille & Strabane
Districk Cooncil

MKO
Tuam Road
Galway

Derry City & Strabane District Council
98 Strand Road
Derry
BT48 7NN

Received
26 AUG 2019

190114
Eoin McCarthy

Date: 19th August 2019
Your Ref:
Our Ref: LA11/2019/0705/DETEIA
(Please quote at all times)

Please
Contact:
Contact Number 028 7125 3253

Dear Sir/Madam,

Location: 7.5k east of Buncrana , Inishowen, Co Donegal,

Proposal: Proposed wind farm

Thank you for your correspondence received on 19th August 2019 requesting a determination under Regulation 8(1)(a) of the Planning (Environmental Impact Assessment) Regulations (NI) 2017.

Your proposals are under consideration and you will be notified of our decision in due course.

The Council will process your information in line with the GDPR requirements. A copy of the full Privacy Statement is available at www.infrastructure-ni.gov.uk/dfi-privacy alternatively you can contact the relevant Data Protection Officer listed and request a copy of the Statement to be posted directly to you.

Yours faithfully

Lisa Sharkey

Derry and Strabane Planning Manager



22nd August 2019

Received on
26 AUG 2019

190114
Eoin McCarthy

Received on
26 AUG 2019

Mr Eoin McCarthy,
McCarthy Keville O'Sullivan Ltd.,
Tuam Road,
Galway,
Ireland.
H91 VW84

Re: Scoping Document for Proposed Glenard Wind Farm, Co. Donegal

Dear Sir,

The proposed site is located within two salmonid bearing catchments, namely the Crana and Mill Rivers and both will require protective measures to be employed should this project advance to construction.

There are EPA data available for both systems and it is worth noting that Inland Fisheries Ireland (IFI) undertook an aerial and electrofishing survey in 2018 of the Crana in order to ascertain what effects the flood event of August 2017 may have had on the fishery. This is available to download on the IFI website.

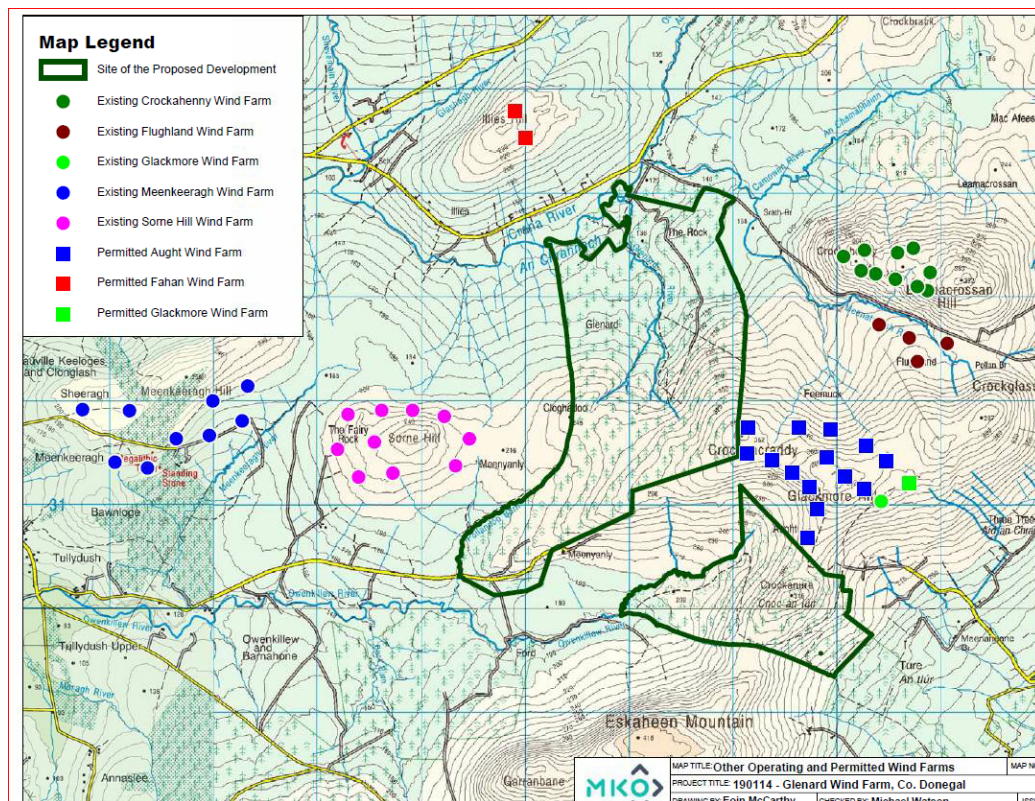
I hope this may be of assistance.

Yours Sincerely,

Brendan Maguire

Senior Fisheries Environmental Officer

Basic Impact Analysis

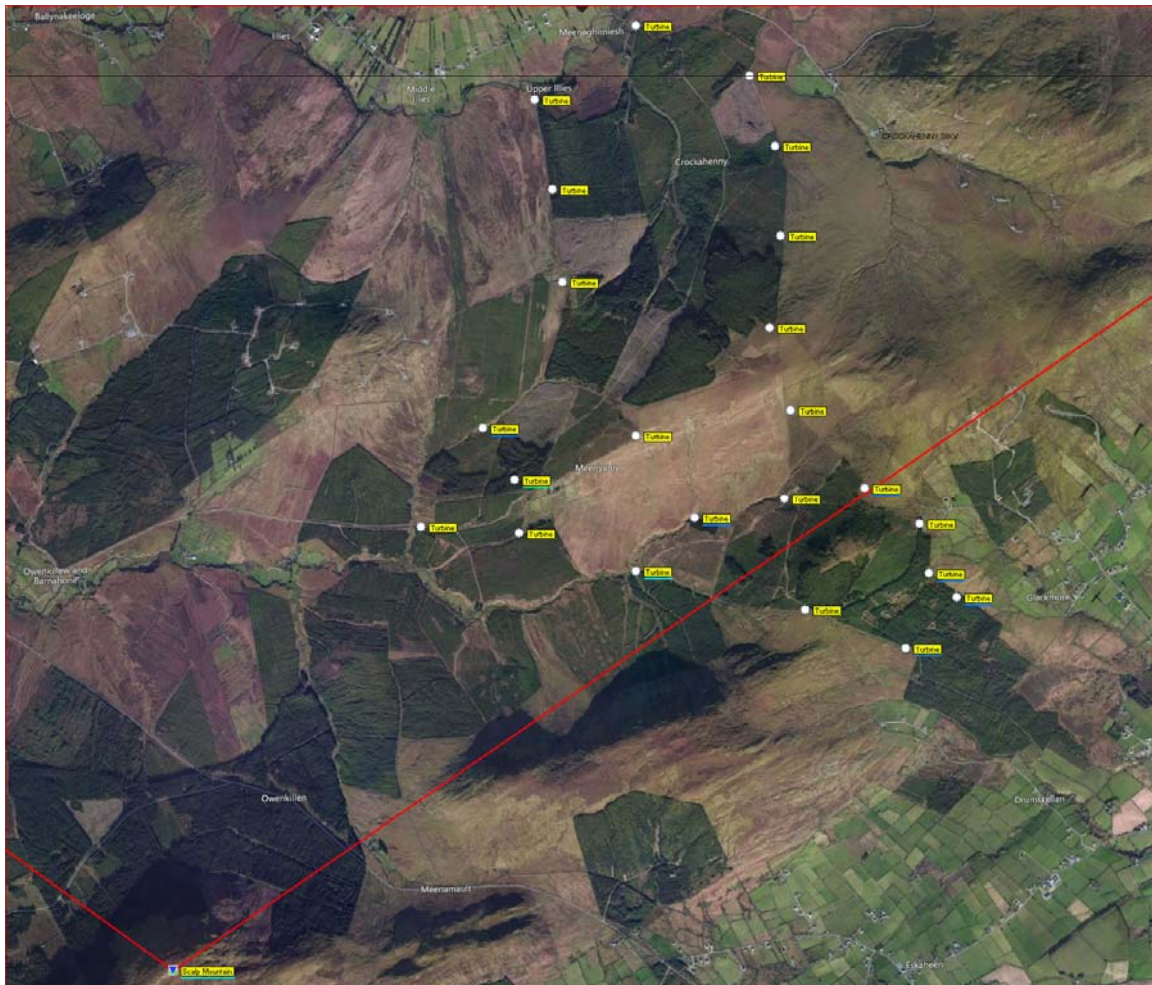


The initial analysis of the impact of the windfarm was carried out using turbines that were placed at random using the simulation tool around the outline of the proposed windfarm from the image above.

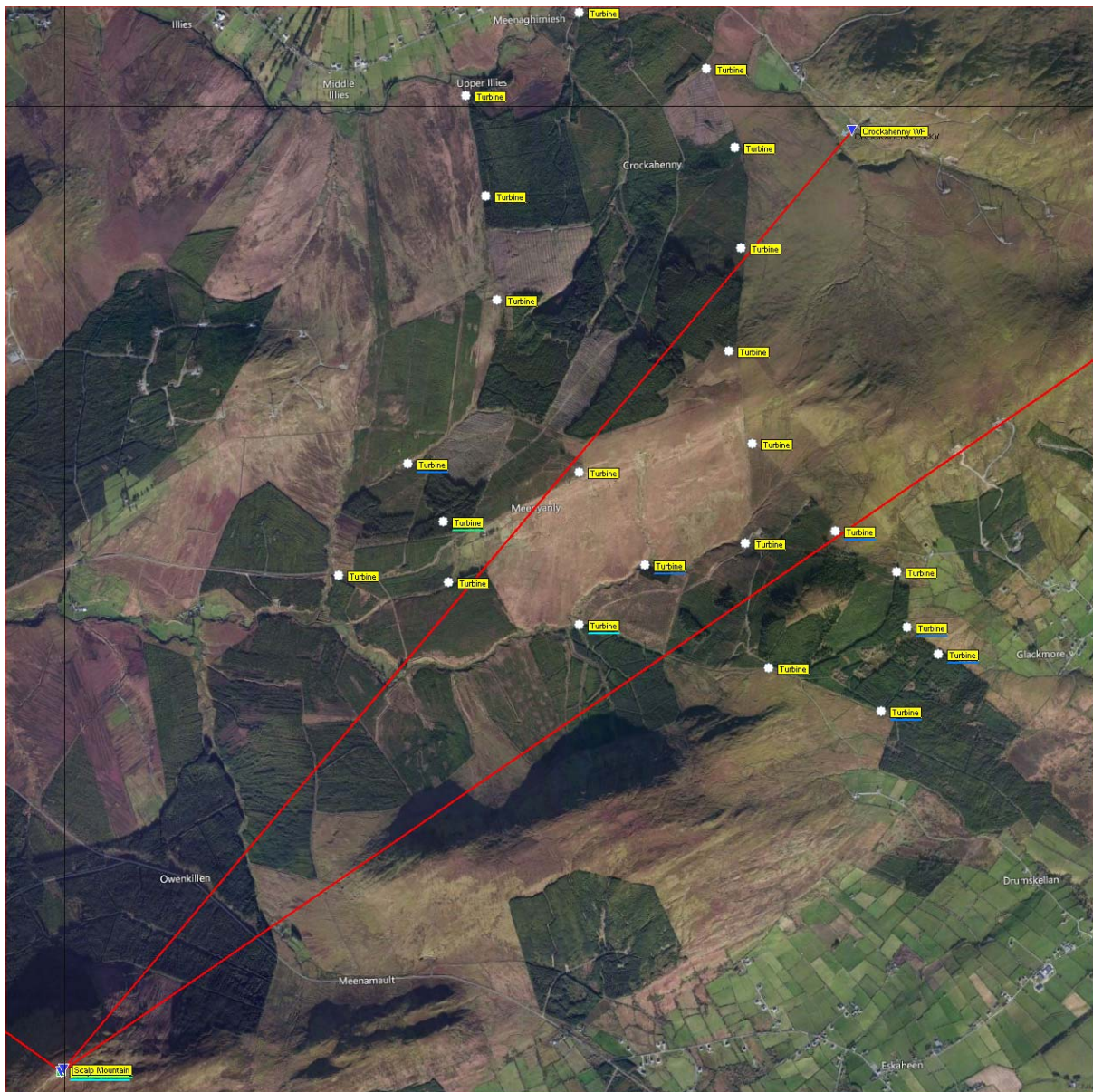
To carry out a more accurate impact analysis, the coordinates of the turbines would need to be provided however this will give an indication of where to consider an exclusion zone of the microwave links.

Link									
Link Type	Site A	Site B	Frequency	Site A height	Site A Co Ordinate	Site A Co Ordinate	Site B height	Site B Co Ordinate	Site B Co Ordinate
Point to Point	Scalp								
	Mountain	Moville HS	1370/ 1512MHz	10	55.08984	-7.36514	20	55.21373	-7.03487
Point to multipoint	Scalp								
	Mountain	Crockahenny WF	460MHz	30	55.08984	-7.36514	3	55.14342	-7.28266

The Red line below is a microwave link operating the 1.3/1.5GHz frequency range. It is a link between Scalp Mountain and Moville hillsite and it is carrying Operational SCADA traffic. This link is passing directly through the lower proposed site.



The additional red line here is a point to multipoint radio link between Scalp Mountain and Crockahenny 38kV Substation for the Crockahenny Windfarm. This is passing directly through the upper site.



Conclusion

The proposed turbine sites have two links passing through, to avoid interference with the microwave links, an exclusion zone at either side of the link at least the width of the 2nd Fresnel zone must be maintained. The point to multipoint link is more susceptible to reflections so a more thorough analysis will be required to ensure any proposed turbines would not impact the link.

Once the individual sites have been proposed, please forward these details to ESB Telecoms so that this in depth analysis can take place. At this stage, would need to know the coordinates, the height of the rotor and the blade length of each turbine.

Eoin McCarthy

From: Myles Redmond <myles.redmond2@esb.ie>
Sent: 29 August 2019 17:01
To: Eoin McCarthy
Cc: Wilson Dalikeni; Paul McDonagh
Subject: RE: EIA Scoping Document for Proposed Glenard Wind Farm, Co. Donegal
Attachments: Glenard Wind Farm Impact Analysis.docx; ATT00001.txt; ATT00002.htm

Hi Eoin,

Please find attached an initial analysis of the potential impact of our current operational telecommunications infrastructure. There are two service that may be affected including one microwave link and also a point to multi point link which is detailed in the report. If you have any further questions, please let me know. I have included the details of the links including the coordinates, the heights and the frequencies of the links.

Once the individual sites of the turbines have been defined, please forward on the details as we will need to carry out more in depth analysis of the impact of the turbines.

Regards,

Myles

From: Eoin McCarthy [mailto:emccarthy@mkoireland.ie]
Sent: 16 August 2019 09:34
To: Hopkins. Dermot (Customer Solutions) <dermot.hopkins@esbtelecoms.ie>
Cc: Dalikeni. Wilson (ESB Networks) <Wilson.Dalikeni@esb.ie>
Subject: EIA Scoping Document for Proposed Glenard Wind Farm, Co. Donegal

CAUTION: This email is from an external sender. If you are unsure about any links or attachments, please forward it to ESB Cybersecurity Operations at spammonitor@esb.ie

Dear Mr. Hopkins,

McCarthy Keville O'Sullivan Ltd. is preparing an Environmental Impact Assessment Report Statement (EIAR) for the proposed Glenard Wind Farm, located approximately 7.5 kilometres east of Buncrana, Inishowen, Co. Donegal. I had previously emailed you in relation to this site in May 2019.

The applicant for the proposed development is Coillte. The proposed development site is currently used for commercial forestry. Wind energy is also a significant land-use in the vicinity, and includes the existing Crockahenny, Sorne Hill, Flughland and Glackmore wind farm developments.

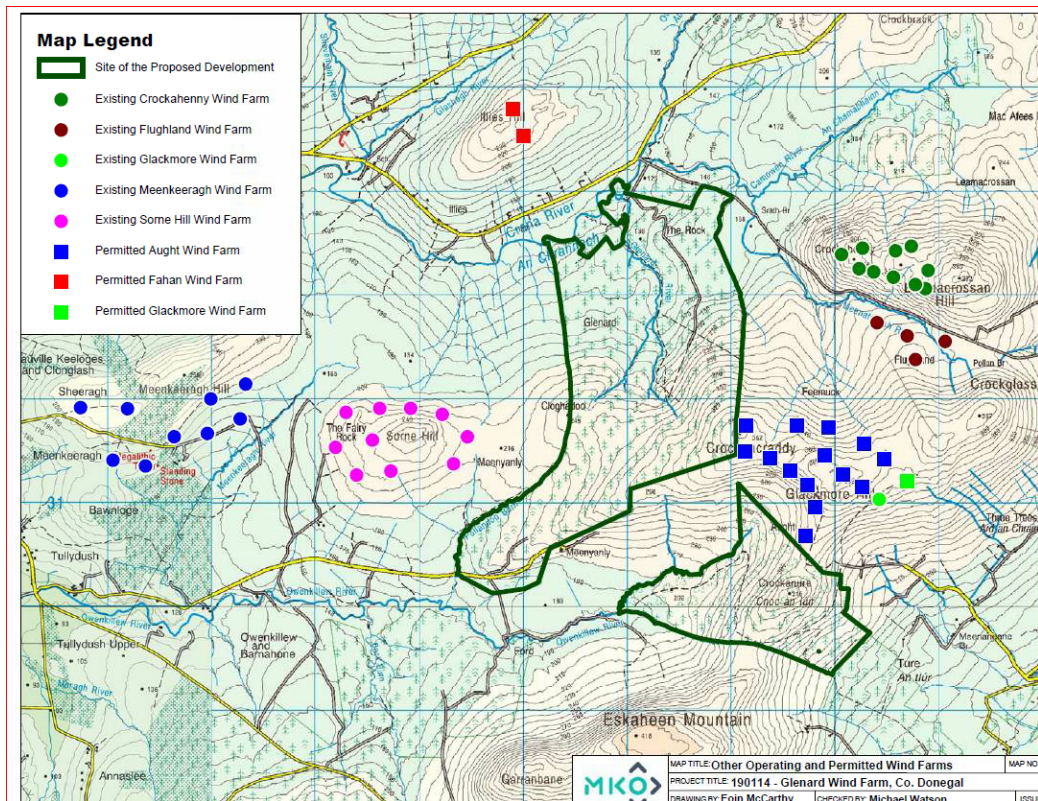
For your own records, a Scoping Document providing details of the proposed project and the site of the proposed development is attached.

Kind Regards,



Eoin McCarthy B.Sc. (Env.)
Senior Environmental Scientist
MKO
Tuam Road, Galway
Ireland, H91 VW84

Basic Impact Analysis

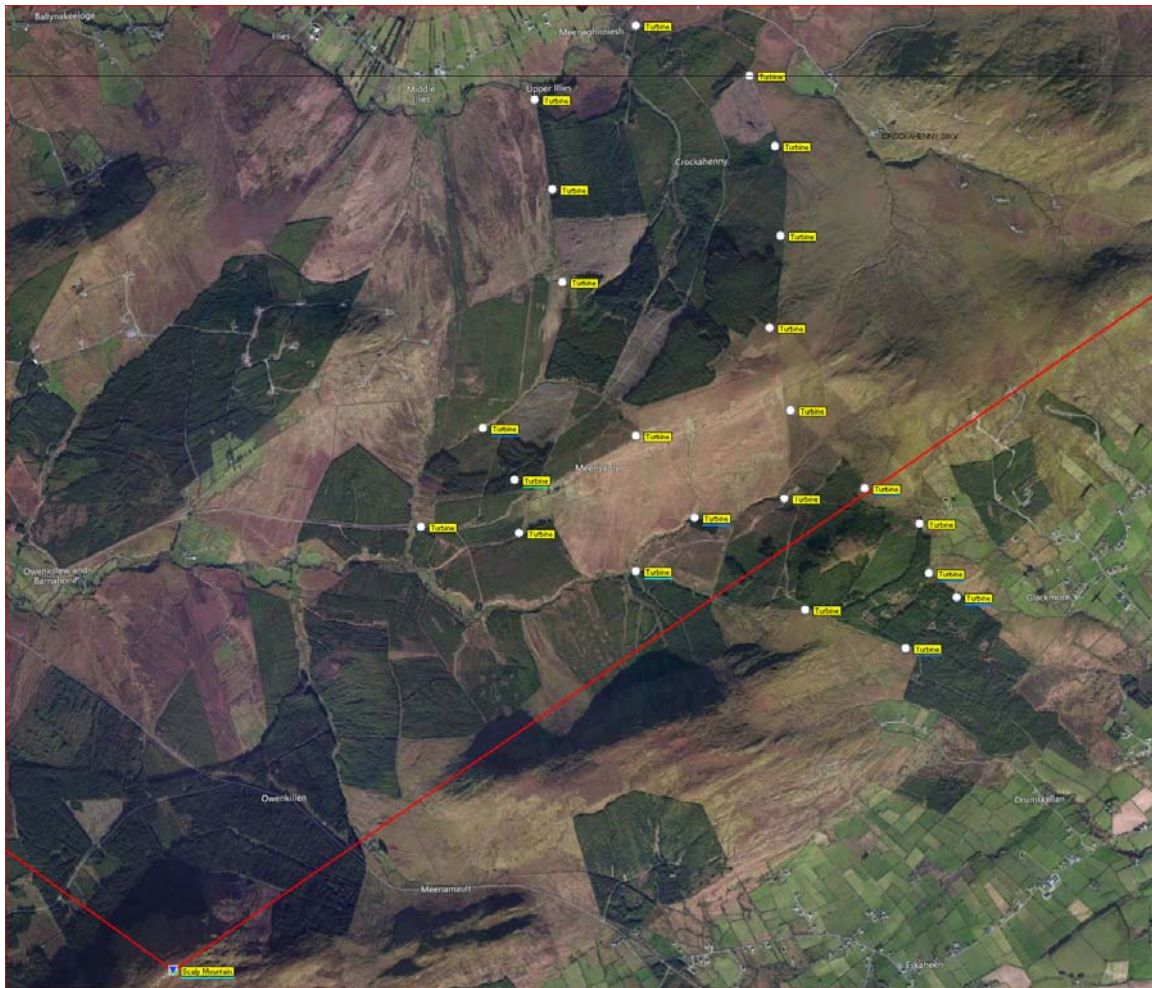


The initial analysis of the impact of the windfarm was carried out using turbines that were placed at random using the simulation tool around the outline of the proposed windfarm from the image above.

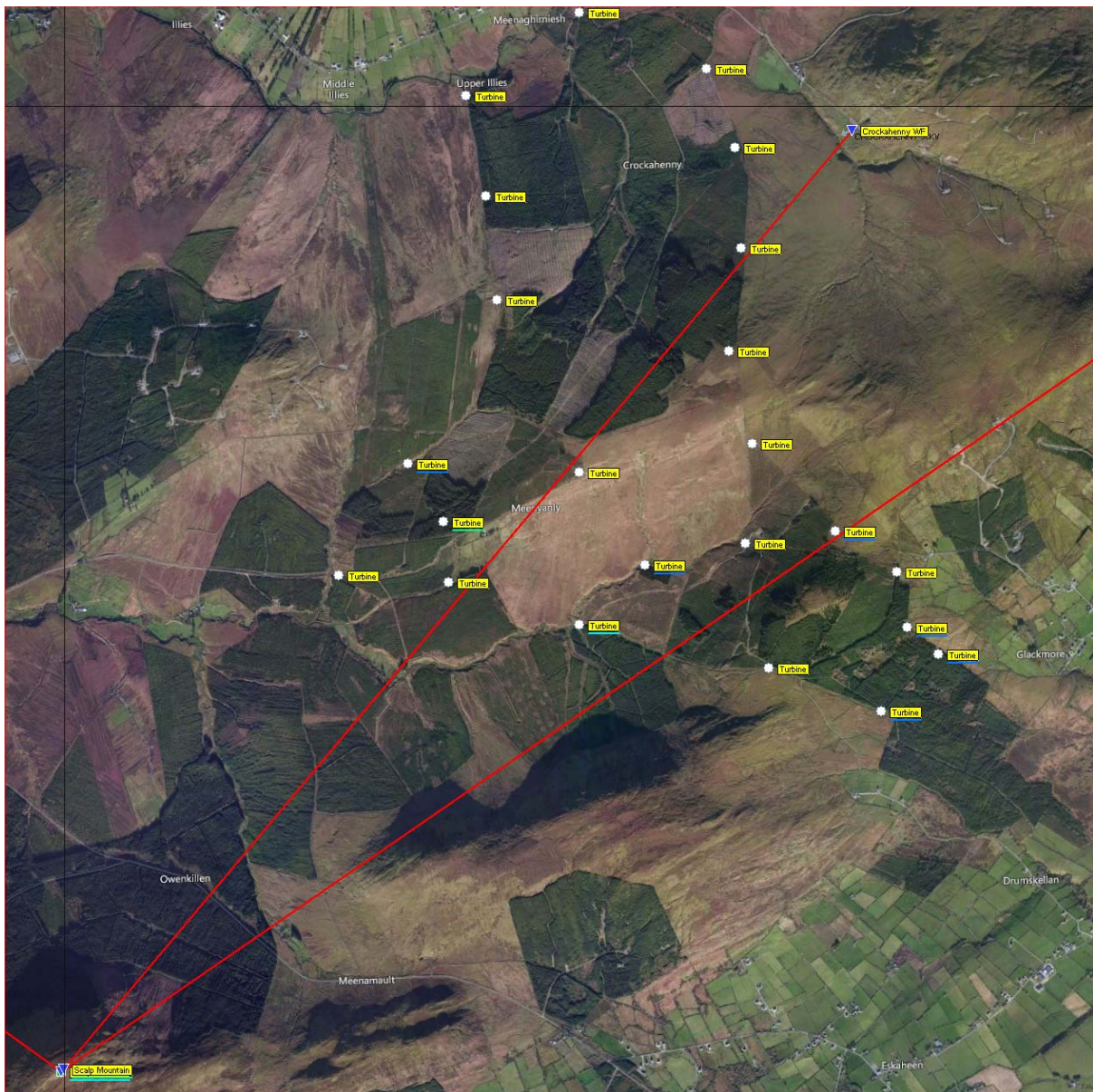
To carry out a more accurate impact analysis, the coordinates of the turbines would need to be provided however this will give an indication of where to consider an exclusion zone of the microwave links.

Link									
Link Type	Site A	Site B	Frequency	Sita A height	Site A Co Ordinate	Site A Co Ordinate	Site B height	Site B Co Ordinate	Site B Co Ordinate
Point to Point	Scalp								
	Mountain	Moville HS	1370/ 1512MHz	10	55.08984	-7.36514	20	55.21373	-7.03487
Point to multipoint	Scalp								
	Mountain	Crockahenny WF	460MHz	30	55.08984	-7.36514	3	55.14342	-7.28266

The Red line below is a microwave link operating the 1.3/1.5GHz frequency range. It is a link between Scalp Mountain and Merville hillsite and it is carrying Operational SCADA traffic. This link is passing directly through the lower proposed site.



The additional red line here is a point to multipoint radio link between Scalp Mountain and Crockahenny 38kV Substation for the Crockahenny Windfarm. This is passing directly through the upper site.



Conclusion

The proposed turbine sites have two links passing through, to avoid interference with the microwave links, an exclusion zone at either side of the link at least the width of the 2nd Fresnel zone must be maintained. The point to multipoint link is more susceptible to reflections so a more thorough analysis will be required to ensure any proposed turbines would not impact the link.

Once the individual sites have been proposed, please forward these details to ESB Telecoms so that this in depth analysis can take place. At this stage, would need to know the coordinates, the height of the rotor and the blade length of each turbine.

Eoin McCarthy

From: Environmental Co-ordination (Inbox) <Environmental_Co-ordination@agriculture.gov.ie>
Sent: 11 September 2019 15:45
To: Eoin McCarthy
Subject: EIA Scoping Document for Proposed Glenard Wind Farm, Co. Donegal (190114)

Dear Eoin,

I refer to your recent correspondence concerning the above project.

If the proposed development will involve the felling or removal of any trees, the developer must obtain a Felling License from this Department before trees are felled or removed. A Felling Licence application form can be obtained from **Felling Section, Department of Agriculture, Food and the Marine, Johnstown Castle Estate, Co. Wexford**. Tel: 076-1064459, Web <https://www.agriculture.gov.ie/forestservice/treefelling/treefelling/>

A Felling Licence granted by the Minister for Agriculture, Food and the Marine provides authority under the Forestry Act 2014 to fell or otherwise remove a tree or trees and/or to thin a forest for silvicultural reasons. The Act prescribes the functions of the Minister and details the requirements, rights and obligations in relation to felling licences. The principal set of regulations giving further effect to the Forestry Act 2014 are the Forestry Regulations 2017 (S.I. No. 191 of 2017).

The developer should take note of the contents of **Felling and Reforestation Policy** document which provide a consolidated source of information on the legal and regulatory framework relating to tree felling;

<https://www.agriculture.gov.ie/media/migration/forestry/treefelling/FellingReforestationPolicy240517.pdf>. As this development is within a forest lands particular attention should be paid to deforestation, turbulence felling and the requirement to afforest alternative lands.

In order to ensure regulated forestry operations in Ireland accord with the principles of sustainable forest management (SFM) , as well fulfilling the requirements of other relevant environmental protection laws, the Department (acting through its Forest Service division) must undertake particular consultations and give certain matters full consideration during the assessment of individual Felling Licence applications. This includes consultation with relevant bodies, the application of various protocols and procedures (e.g. Forest Service Appropriate Assessment Procedure), and the requirement for applicants on occasion to provide further information (e.g. a Natura Impact Statement).

Consequently, when the Forest Service is considering an application to fell trees, the following applies:

1. The interaction of these proposed works with the environment locally and more widely, in addition to potential direct and indirect impacts on designated sites and water, is assessed. Consultation with relevant environmental and planning authorities may be required where specific sensitivities arise (e.g. local authorities, National Parks & Wildlife Service, Inland Fisheries Ireland, and the National Monuments Service);
2. Where a tree Felling Licence application is received, the Department will publish a notice of the application before making a decision on the matter. The notice shall state that any person may make a submission to the Department within 30 days from the date of the notice. The notices for

2019 are published online at:

<https://www.agriculture.gov.ie/forests-service/publicconsultation/environmentalimpactassessment-ia-publicconsultation-for-afforestation-forest-road-construction-and-felling-licenses-2019/>

3. Third parties that make a submission or observation will be informed of the decision to grant or refuse the licence and on request details of the conditions attached to the licence, the main reasons and considerations on which the decision to grant or refuse the licence was based, and where conditions are attached to any licence, the reasons for the conditions. Both third parties and applicants will be also informed of their right to appeal any decision within 28 days to the Forestry Appeals Committee. Felling Licence decisions for 2019 are published online at:
<https://www.agriculture.gov.ie/forests-service/publicconsultation/environmentalimpactassessment-2019-register-of-decisions/>

It is important to note that when applying to a Local Authority or An Bord Pleanála for planning permission where developments are:

- a) subject to an EIA procedure (including screening in the case of a sub-threshold development) and any resulting requirement to produce an EIAR; and/or
- b) subject to an Appropriate Assessment procedure (including screening) and any resulting requirement to a Natura Impact Statement (NIS); and
- c) the proposed development in its construction or operational phases, or any works ancillary thereto, would directly or indirectly involve the felling and replanting of trees, deforestation for the purposes of conversion to another type of land use, or replacement of broadleaf high forest by conifer species,
 1. that there is a requirement inter alia under the EIA Directive for an overall assessment of the effects of the project or the alteration thereof on the environment to be undertaken, including the direct and indirect environmental impact of the project;

and

2. pursuant to Article 2(3) of the EIA Directive the Department of Agriculture, Food and the Marine strongly recommends that notwithstanding the fact that a parallel consent in the form of felling licence may also have to be applied for, any EIAR and/or NIS produced in connection with the application for planning permission to the Local Planning Authority or An Bord Pleanála should include an assessment of the impact of and measures, as appropriate, to prevent, mitigate or compensate for any significant adverse effects direct or indirect identified on the environment arising from such felling and replanting of trees, deforestation for the purposes of conversion to another type of land use, or replacement of broadleaf high forest by conifer species.

Kind Regards

Liz

Liz McDonnell | Executive Officer, **An tAonad um Chomhordú Timpeallachta, An Rannóg um Athrú Aeráide agus Beartas Bithfhuinnimh**,
Environmental Co-ordination Unit | Climate Change & Bioenergy Policy Division | environmentalco-ordination@agriculture.gov.ie
An Roinn Talmhaíochta, Bia agus Mara
Department of Agriculture, Food and the Marine
Lárionad Gnó Grattan, Bóthar Bhaile Átha Cliath, Port Laoise, Co Laoise, R32 K857
Grattan Business Centre, Dublin Road, Portlaoise, Co. Laoise, R32 K857
T +353 (0)57 868 9915
www.agriculture.gov.ie

From: Eoin McCarthy [<mailto:emccarthy@mkoireland.ie>]
Sent: 16 August 2019 09:31
To: McDonnell, Liz
Subject: EIA Scoping Document for Proposed Glenard Wind Farm, Co. Donegal (190114)

CAUTION: This email originated from outside of the organisation. Do not click links or open attachments unless you recognise the sender and know the content is safe.

Dear Ms. McDonnell,

McCarthy Keville O'Sullivan Ltd. is preparing an Environmental Impact Assessment Report Statement (EIAR) for the proposed Glenard Wind Farm, located approximately 7.5 kilometres east of Buncrana, Inishowen, Co. Donegal.

The applicant for the proposed development is Coillte. The proposed development site is currently used for commercial forestry. Wind energy is also a significant land-use in the vicinity, and includes the existing Crockahenny, Sorne Hill, Flughland and Glackmore wind farm developments.

As part of the EIA process, we would welcome any comments that you might have in relation to the proposed project, including baseline data, survey techniques or potential impacts that should be considered as part of the assessment process and in the preparation of the EIAR. In order to facilitate this, a Scoping Document providing details of the proposed project and the site of the proposed development is enclosed with this letter.

If you could return any comments or suggestions at your earliest convenience it would be much appreciated. If you require any further information, please do not hesitate to contact me.

Kind Regards,



Eoin McCarthy B.Sc. (Env.)
Senior Environmental Scientist
MKO
Tuam Road, Galway
Ireland, H91 VW84
+353 (0) 91 735611
www.mkoireland.ie



McCarthy Keville O'Sullivan Ltd. T/A MKO. Registered in Ireland No. 462657. VAT No. IE9693052R

This email and any attached files or emails transmitted with it are confidential and intended solely for the use of the individual(s) or entity to whom it is addressed. If the reader is not a representative of the intended recipient(s), any review, dissemination or copying of this message or the information it contains is prohibited. If you have received this email in error please notify the sender of the email and delete the email. MKO does not represent or warrant

Eoin McCarthy

From: Roger Woods <rwoods@bai.ie>
Sent: 08 October 2019 09:29
To: Eoin McCarthy
Subject: RE: EIA Scoping Document for Proposed Glenard Wind Farm, Co. Donegal (190114)

Hi Eoin

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

Tel: 01 6441200
Fax: 01 6441299

This email and any files transmitted with it are confidential and intended solely for the use of the addressee. If you have received this email in error, please notify the sender or info@bai.ie immediately and delete this email. If you are not the intended recipient, any distribution or copying of this e-mail is strictly prohibited.

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 tríú páirtí. Iarrtar ort teachtaireacht a sheoladh chuig an seoltóir nó chuig info@bai.ie, agus an ríomhphost seo a scrios.

From: Eoin McCarthy <emccarthy@mkoireland.ie>
Sent: Tuesday 8 October 2019 08:23
To: Roger Woods <rwoods@bai.ie>
Subject: EIA Scoping Document for Proposed Glenard Wind Farm, Co. Donegal (190114)

Dear Mr. Woods,

McCarthy Keville O'Sullivan Ltd. is preparing an Environmental Impact Assessment Report Statement (EIAR) for the proposed Glenard Wind Farm, located approximately 7.5 kilometres east of Buncrana, Inishowen, Co. Donegal.

The applicant for the proposed development is Coillte. The proposed development site is currently used for commercial forestry. Wind energy is also a significant land-use in the vicinity, and includes the existing Crockahenny, Somne Hill, Flughland and Glackmore wind farm developments.

As part of the EIA process, we would welcome any comments that you might have in relation to the proposed project, including baseline data, survey techniques or potential impacts that should be considered as part of the assessment process and in the preparation of the EIAR. In order to facilitate this, a Scoping Document providing details of the proposed project and the site of the proposed development is enclosed with this letter.

If you could return any comments or suggestions at your earliest convenience it would be much appreciated. If you require any further information, please do not hesitate to contact me.

Eoin McCarthy

From: Roger Woods <rwoods@bai.ie>
Sent: 08 October 2019 09:29
To: Eoin McCarthy
Subject: RE: EIA Scoping Document for Proposed Glenard Wind Farm, Co. Donegal (190114)

Hi Eoin

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

Tel: 01 6441200
Fax: 01 6441299

This email and any files transmitted with it are confidential and intended solely for the use of the addressee. If you have received this email in error, please notify the sender or info@bai.ie immediately and delete this email. If you are not the intended recipient, any distribution or copying of this e-mail is strictly prohibited.

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 tríú páirtí. Iarrtar ort teachtaireacht a sheoladh chuig an seoltóir nó chuig info@bai.ie, agus an ríomhphost seo a scrios.

From: Eoin McCarthy <emccarthy@mkoireland.ie>
Sent: Tuesday 8 October 2019 08:23
To: Roger Woods <rwoods@bai.ie>
Subject: EIA Scoping Document for Proposed Glenard Wind Farm, Co. Donegal (190114)

Dear Mr. Woods,

McCarthy Keville O'Sullivan Ltd. is preparing an Environmental Impact Assessment Report Statement (EIAR) for the proposed Glenard Wind Farm, located approximately 7.5 kilometres east of Buncrana, Inishowen, Co. Donegal.

The applicant for the proposed development is Coillte. The proposed development site is currently used for commercial forestry. Wind energy is also a significant land-use in the vicinity, and includes the existing Crockahenny, Somne Hill, Flughland and Glackmore wind farm developments.

As part of the EIA process, we would welcome any comments that you might have in relation to the proposed project, including baseline data, survey techniques or potential impacts that should be considered as part of the assessment process and in the preparation of the EIAR. In order to facilitate this, a Scoping Document providing details of the proposed project and the site of the proposed development is enclosed with this letter.

If you could return any comments or suggestions at your earliest convenience it would be much appreciated. If you require any further information, please do not hesitate to contact me.



Your Ref: 190114
Our Ref: **G Pre00228/2019**
(Please quote in all related correspondence)

15 January 2020

Eoin McCarthy,
Senior Environmental Scientist,
MKO,
Tuam Road,
Galway

Via email emccarthy@mkoireland.ie

Re: Pre-planning consultation regarding Glenard Wind Farm, County Donegal

A chara

On behalf of the Department of Culture, Heritage and the Gaeltacht, I refer to correspondence received in connection with the above.

Outlined below are heritage-related observations/recommendations of the Department under the stated heading.

Nature Conservation

Please find below general scoping comments for Environmental Impact Assessment Report (EIAR), Appropriate Assessment (AA) screening and licencing requirements, followed by specific comments regarding the site in question.

These observations are intended to assist you in meeting the obligations that may arise in relation to European sites, other nature conservation sites, and biodiversity and environmental protection in general in the context of the current application. The observations are not exhaustive, and are made without prejudice to any recommendation that may be made by this Department in the future. Data collected and surveys carried out in connection with this proposed development may raise other issues that have not been considered here.

The National Parks and Wildlife Service (NPWS) website has recently been updated and should be consulted with regard to the impact of planning and development on nature conservation. The following link gives extensive details on the standards and content that is required in these applications. <https://www.npws.ie/development%20consultations>



EIAR: Ecological survey

With regard to scoping for an EIAR for a proposed development, in order to assess impacts on biodiversity, fauna, flora and habitats an ecological survey should be carried out of the proposed development site including the route of any access roads, pipelines or cables etc. to survey the habitats and species present. Any improvement or reinforcement works required for access and transport anywhere along any proposed haul route(s) should be included in the EIAR and subjected to ecological impact assessment with the inclusion of mitigation measures, as appropriate. Where bridges require strengthening this may involve grouting of crevices which may function as bat roosts. Where ex-situ impacts are possible survey work may be required outside of the development sites. Such surveys should be carried out by suitably qualified persons at an appropriate time of the year depending on the species being surveyed for. The EIAR should include the results of the surveys and detail the survey methodology and timing of such surveys. Best practice will be adhered to with regard to survey methodology and if necessary non Irish methodology adapted for the Irish situation. The EIAR should cover the whole project, including construction, operation and, if applicable, restoration or decommissioning phases. Alternatives examined should also be included in the EIAR. Inland Fisheries Ireland (IFI) should be consulted with regard to fish species if applicable. For information on Geological and Geomorphological sites the Geological Survey of Ireland should be consulted.

Specific reference should be made to the National Biodiversity Plan. Any losses of biodiversity habitat associated with this proposed development (including access roads and cabling etc.) such as woodland, scrub, hedgerows and other habitats should be mitigated for.

In order to assess impacts it may be necessary to obtain hydrological and/or geological data. Any impact on water table levels or groundwater flows may impact on wetland sites some distance away. The EIAR should assess cumulative impacts with other plans or projects if applicable. Where negative impacts are identified suitable mitigation measures should be detailed as appropriate.

EIAR: Hedgerows and related species

Hedgerows should be maintained where possible as they form wildlife corridors and provide areas for birds to nest in; hedgerow trees may provide roosting places for bats. Badger setts may be present. Hedgerows also provide a habitat for woodland flora. The EIAR should provide an estimate of the length of any hedgerow that will be lost. Where it is proposed that trees or hedgerows will be removed there should be suitable planting of native species in mitigation incorporated into the EIAR. Where possible, hedgerows and trees should not be removed during the nesting season (i.e. March 1st to August 31st). Bird's nests can only be intentionally destroyed under licence issued under the Wildlife Acts of 1976 to 2012.

EIAR: Watercourses and wetlands



Wetlands are important areas for biodiversity and ground and surface water quality should be protected during construction and operation of the proposed development. Any watercourse or wetland impacted on should be surveyed for the presence of protected species and species listed on Annexes II and IV of the Habitats Directive. These species could include otters (*Lutra lutra*), which are protected under the Wildlife Acts and listed on Annexes II and IV of the Habitats Directive, salmon (*Salmo salar*) and Lamprey species listed on Annex II of the Habitats Directive, Freshwater Pearl Mussels (*Margaritifera* species) and White-clawed Crayfish (*Austropotamobius pallipes*) which are protected under the Wildlife Acts and listed on Annex II of the Habitats Directive, Frogs (*Rana temporaria*) and Newts (*Triturus vulgaris*) protected under the Wildlife Acts and Kingfishers (*Alcedo atthis*) protected under the Wildlife Acts and listed on Annex I of the Birds Directive (Council Directive 79/409 EEC).

One of the main threats identified in the threat response plan for otter is habitat destruction (see https://www.npws.ie/sites/default/files/publications/pdf/2009_Otter_TRP.pdf). A 10m riparian buffer on both banks of a waterway is considered to comprise part of the otter habitat. Therefore any proposed development should be located at least 10m away from a waterway.

EIAR: Flood plains

Flood plains, if present, should be identified in the EIAR and left undeveloped to allow for the protection of these valuable habitats and provide areas for flood water retention (green infrastructure). If applicable the EIAR should take account of the guidelines for Planning Authorities entitled "The Planning System and Flood Risk Management" and published by the Department of the Environment, Heritage and Local Government In November 2009.

EIAR: Bats

Bat roosts may be present in trees, buildings and bridges. Bat roosts can only be destroyed under licence under the Wildlife Acts and derogation under the Birds and Natural Habitats Regulations and such a licence would only be given if suitable mitigation measures were implemented. Any proposed migratory bat friendly lighting should be proven to be effective.

EIAR: Alien invasive species

The EIAR should also address the issue of invasive alien plant and animal species such as Japanese Knotweed or piri piri burr, and detail the methods required to ensure they are not accidentally Introduced or spread during survey and or construction. Information on alien Invasive species In Ireland can be found at <https://www.biodiversityireland.ie/projects/invasive-species/> and at <http://invasivespeciesireland.com/>.

EIAR: Bird surveys

Survey methodologies should follow best practice and if necessary be modified to reflect the Irish situation. Two full years of bird surveys is normally considered to be necessary. When survey results are being presented in an EIAR it is important that best practice is followed and that the full survey methodology, including dates and times are detailed. Furthermore, it



is expected that bird survey data should be presented in context and records should be supported by basic environmental data such as hourly estimates of visibility, glare arcs, cloud cover and precipitation during Vantage Point (VP) and walk over survey periods. Results for species need to be referenced back to the overall populations and their dynamics as, in some cases even a small risk to a population of a species could be considered significant. It is important that bird migration routes are considered as well as routes of birds travelling on a daily basis between roosting and feeding areas.

EIAR: Impact assessment

The impact of the proposed development on the flora/fauna and habitats present should be assessed with particular regard to:

Natura 2000 sites, i.e. Special Areas of Conservation (SAC) designated under the EC Habitats Directive (Council Directive 92/43/EEC) and Special Protection Areas (SPAs) designated under the EC Birds Directive (Directive 2009/147 EC), other designated sites, or sites proposed for designation, such as Natural Heritage Areas and proposed Natural Heritage Areas, Nature Reserves and Refuges for Fauna or Flora designated under the Wildlife Acts 1976 to 2012, species protected under the Wildlife Acts including protected flora, 'Protected species and natural habitats', as defined in the Environmental Liability Directive (2004/35/EC) and European Communities (Environmental Liability) Regulations, 2008 including Birds Directive - Annex I species and other regularly occurring migratory species, and their habitats (wherever they occur) and Habitats Directive - Annex I habitats, Annex II species and their habitats, and Annex IV species and their breeding sites and resting places (wherever they occur), important bird areas such as those identified by Birdlife International, features of the landscape which are of major importance for wild flora and fauna, such as those with a "stepping stone" and ecological corridors function, as referenced in Article 10 of the Habitats Directive, other habitats of ecological value in a national to local context (such as those identified as locally important biodiversity areas within Local Biodiversity Action Plans and County Development Plans), Red data book species, and biodiversity in general.

Complete project details including Construction Management Plans (CMPs) need to be provided in order to allow an adequate EIAR and appropriate assessment to be undertaken. Applicants need to be able to demonstrate that CMPs and other such plans are adequate and effective mitigation supported by scientific information and analysis and that they are feasible within the physical constraints of the site. The positions, locations and sizes of construction infrastructure and mitigation such as settlement ponds, disposal sites and construction compounds may significantly affect European and other designated sites, habitats and species in their own right and could have an effect for example on drainage, water quality, habitat loss, and disturbance. If these are undetermined at time of the assessment all potential effects of the development on the site are not being considered.

EIAR: Construction Management Plans



Construction Management Plans should contain sufficient detail to avoid any post construction doubt with regard to the implementation of mitigation measures, timings and roles and responsibilities for same. There can be no doubts or lacunae regarding what is required for mitigation, pre-commencement surveys and or licencing requirements.

Construction work should not be allowed to impact on water quality and measures should be detailed in the EIAR to prevent sediment and/or fuel runoff from getting into watercourses which could adversely impact on aquatic species. See EIAR: Flood Plains for details with regard to flooding risk.

Inland Fisheries Ireland (IFI) should be consulted with regard to impacts on fish species and the applicant may find it useful to consult their publication entitled "Planning for watercourses in the urban environment" which can be downloaded from their website.

If applicants are not in a position to state the exact location and details of cable routes at the time of application, then they need to consider the range of options that may be used within their assessment. Should the exact height and rotor diameter of the turbines not be known at EIAR stage then the assessment of impacts must be applicable to a variety of turbine heights and rotor diameters which could be used. This should be made clear in the EIAR.

It is important to note that unless post decision consultation with the National Parks & Wildlife Service is specifically stated as a condition of planning, NPWS has no post consent role. However, regional staff are available for liaison regarding any associated licencing requirements and/or new information arising for specific species of concern.

EIAR: Cumulative and ex situ impacts

A rule of thumb often used is to include all European sites within a distance of 15km. It should be noted however that this will not always be appropriate. In some instances where there are hydrological connections a whole river catchment or a groundwater aquifer may need to be included. Similarly where bird flight paths are involved the impact may be on an SPA more than 15 km away.

Other relevant Local Authorities should be consulted to determine if there are any projects or plans which, in combination with this proposed development, could impact on any European sites.

Appropriate Assessment

In order to carry out the Appropriate Assessment screening, and/or prepare a Natura Impact Statement (NIS), information about the relevant European sites including their conservation objectives will need to be collected. Details of designated sites and species and conservation objectives can be found on <http://www.npws.ie/>. Site-specific, as opposed to generic, conservation objectives are now available for many sites. Each conservation objective for a qualifying interest (QI) is defined by a list of attributes and targets and is often supported by further documentation. Where these are not available for a site, an examination of the



attributes that are used to define site-specific conservation objectives for the same QIs in other sites can be usefully used to ensure the full ecological implications of a proposal for a site's conservation objective and its Integrity are analysed and assessed. It is advised, as per the notes and guidelines in the site-specific conservation objectives that any reports quoting conservation objectives should give the version number and date, so that it can be ensured and established that the most up-to-date versions are used in the preparation of Natura Impact Statements and in undertaking appropriate assessments.

The Departmental guidance document on Appropriate Assessment is available on the NPWS website at <https://www.npws.ie/development-consultations> and in the EU Commission guidance entitled "Assessment of plans and projects significantly affecting Natura 2000 sites. Methodological guidance on the provisions of Article 6(3) and (4) of the Habitats Directive 92/43/EEC' which can be downloaded from;

http://ec.europa.eu/environment/nature/natura2000/management/docs/art6/natura_2000_assess_en.pdf

CJEU and Irish case law has clarified some issues and should also be consulted

Post construction monitoring

This Department recognises the importance of pre and post construction monitoring, such as recommended in Drewitt et al. (2006), and Bat Conservation Ireland (2012). The applicant should not use any proposed post construction monitoring as mitigation to supplement inadequate information in the assessment. Please refer to Circular Letter PD 2/07 and NPWS 1/07 on this issue. This can be downloaded from the Department's website <https://www.npws.ie/sites/default/files/general/circular-pd-02-07.pdf>.

The EIAR process should identify any pre and post construction monitoring which should be carried out. The post construction monitoring should include bird and bat strikes/fatalities including the impact on any such results of the removal of carcasses by scavengers. Monitoring results should be made available to the competent Authority and copied to this Department. A plan of action needs to be agreed at planning stage with the Planning Authority if the results in future show a significant mortality of birds and/or bat species. It is important to note again that unless post decision consultation with NPWS is specifically stated as a condition of planning, NPWS has no post consent role. However, regional staff are available for liaison regarding any associated licencing requirements and/or new information arising for specific species of concern.

Note: any significant change to mitigation may require amendment and where a licence has expired; there will be a need for new licence applications for protected species.

Licences

Where there are impacts on protected species and their habitats, resting or breeding places, licences may be required under the Wildlife Acts or derogations under the Habitats Regulations. In particular bats and otters are strictly protected under annex IV of the Habitats Directive. A copy of Circular Letter NPWS 2/07 entitled "Guidance on Compliance with



Regulation 23 of the Habitats Regulations 1997 – strict protection of certain species/applications for derogation licences” can be found on the Departmental website at <https://www.npws.ie/sites/default/files/general/circular-npws-2-07-reg-23-compliance.pdf>

It should be noted however that the Regulations of 1997 have since been revoked and that Part 6 of the European Communities (Birds and Natural Habitats) Regulations 2011-2015 is now the relevant part dealing with the protection of flora and fauna. In particular reference to Regulation 23 in the circular letter should be taken to mean Regulation 51 in the current Regulations.

In addition the planning authority will be required to take account of species protected under sections 21, 22 and 23 of the Wildlife Acts if there are any impacts on other protected species or their resting or breeding places, such as on protected plants, badger setts or birds’ nests. They will also need to be cognisant of article 5 (d) of the Birds Directive. For that reason vegetation, including hedges and trees, should not be removed during the nesting season (i.e. March 1st to August 31st).

In order to apply for any such licences or derogations as mentioned above the results of a survey should be submitted to the National Parks and Wildlife Service section of this Department. Such surveys are to be carried out by appropriately qualified person/s at an appropriate time of the year. Details of survey methodology should also be provided. Should this survey work take place well before construction commences, it is recommended that an additional ecological survey of the development site should take place immediately prior to construction to ensure no significant change in the findings of the baseline ecological survey has occurred. If there has been any significant change mitigation may require amendment and where a licence has expired, there will be a need for new licence applications for protected species.

Baseline data:

Other sources of habitat and species information beyond those already identified and the standard NPWS data request include (but are not be limited to) the National Biodiversity Data Centre (www.biodiversityireland.ie). Inland Fisheries Ireland (www.fisheriesireland.ie). BirdWatch Ireland (www.birdwatchireland.ie), Irish Raptor Study Group, Golden Eagle Trust and Bat Conservation Ireland (www.batconservationireland.org/). Data may also exist at a County level within the Planning Authority.

General guidance and useful references;

1. EU Guidance on Wind Energy Developments and Natura 2000
2. The Departmental Wind Energy Planning Guidelines
3. Windfarms on Peatland (2008-2010) Mires and Peat volume 4
4. Best Practice guidance for Habitat Survey and Mapping by George F Smith, Paul O'Donoghue, Katie O'Hora and Eamon Delaney, 2011. The Heritage Council.



5. Pearce-Higgins, James W., Stephen, Leigh, Langston, Rowena H. W., Bainbridge, Ian P. and Bullman. Rhys (2009). "The distribution of breeding birds around upland wind farms". *Journal of Applied Ecology*, 46, 1323-1331
6. Johnson, Gregory D. and Arnett Edward 8. "A Bibliography of Bat Fatality Activity and Interactions with Wind Turbines" (June 2004 updated February 2010) Bat Conservation International.
7. Pearce-Higgins, James W., Stephen, Leigh, Douse, Andy, and Langston, Rowena H. W. (2012). "Greater impacts of wind farms on bird populations during construction than subsequent operation: results of a multisite and multi-species analysis". *Journal of Applied Ecology*. 49.386-394
8. Rodrigues, Let ai, (2014). "Guidelines for consideration of bats in wind farm projects". Eurobats Publication Series NO.6 UNEP and Eurobats.
9. The Departmental guidance document on Appropriate Assessment which is available on the NPWS website at
<https://www.npws.ie/protected-sites/guidance-appropriate-assessment-planning-authorities>
10. The EU Commission guidance entitled "Assessment of plans and projects significantly affecting Natura 2000 sites, Methodological guidance on the provisions of Article 6(3) and (4) of the Habitats Directive 92/43/EEC" which can be downloaded from
http://ec.europa.eu/environment/nature/natura2000/management/guidance_en.htm
11. Bat Conservation Ireland (2012) Wind Turbine/Wind Farm Development Bat Survey Guidelines. Version 2.8, December 2012
12. Drewitt, Allan Land Longston Rowena H. W. (2006) "Assessing the impacts of wind farms on birds". *Ibis* 148. 29-42

Further to the above general comments please find below specific observations relating to the site in question.

- In addition to the species already identified, breeding and winter roosting Hen Harrier are of particular concern in the proposed development site at Glenard.
- The application should also give detailed consideration to but not be limited to other species such as Merlin and Golden Plover as species of concern.
- Please also note that the EIAR bird survey recommendations above suggest that bird survey data should be presented in context and records should be supported by basic environmental data such as hourly estimates of visibility, glare arcs, cloud cover and precipitation during Vantage Point (VP) and walk over survey periods.
- The EIAR should also give specific consideration to any hydrological connection and/or impact on Camowen River bog NHA from the proposed development.
- Changes to the underlying Ph. balance arising from the importation of fill materials should be addressed comprehensively.

The above observations/recommendations are based on the papers submitted to this Department on a pre-planning basis and are made without prejudice to any observations that the Minister may make in the context of any consultation arising on foot of any development



application referred to the Minister, by the planning authority, in her role as statutory consultee under the Planning and Development Act, 2000, as amended.

You are requested to send further communications to this Department's Development Applications Unit (DAU) at manager.dau@chg.gov.ie (team monitored); if this is not possible, correspondence may alternatively be sent to:

The Manager
Development Applications Unit (DAU)
Department of Culture, Heritage and the Gaeltacht
Newtown Road
Wexford
Y35 AP90

Is mise, le meas

Joanne Lyons
Development Applications Unit

Eoin McCarthy

From: Michael Edwards <Michael.Edwards@cityofderryairport.com>
Sent: Wednesday 25 March 2020 01:24
To: Eoin McCarthy
Subject: RE: EIA Scoping Document for the Proposed Glenard Wind Farm Ref 190114

Hi Eoin,

My apologies for the delay in responding. Thank you for the detailed information on the proposed turbine locations and dimensions. A local safety impact assessment indicates that the proposed development would infringe the existing Instrument Flight Procedure (IFP) used by arriving aircraft at City of Derry Airport. Therefore, a full Instrument Flight Procedure (IFP) Safeguarding assessment will be required to establish the exact magnitude of the infringement and any possible actions that could be used to mitigate this infringement reducing that safety impact.

As you are probably aware, that level of safety assessment is a specialist procedure designer role and City of Derry Airport would not be able to carry out that level of IFP impact assessment without the specialist assistance of an approved instrument procedure design organisation at an competitive industry cost. Please can you advise your availability to discuss this further.

Best regards

Michael Edwards
ATS Manager
CODA Operations Ltd
Airport Road, Eglinton
BT47 3GY
www.cityofderryairport.com
T: +44 (0)28 71 81 07 84



From: Eoin McCarthy <emccarthy@mkoireland.ie>
Sent: 24 March 2020 16:56
To: Michael Edwards <Michael.Edwards@cityofderryairport.com>
Subject: RE: EIA Scoping Document for the Proposed Glenard Wind Farm Ref 190114

Thanks Michael



Eoin McCarthy B.Sc. (Env.)
Senior Environmental Scientist

MKO
Tuam Road, Galway
Ireland, H91 VW84
+353 (0) 91 735611
www.mkoireland.ie



McCarthy Keville O'Sullivan Ltd. T/A MKO. Registered in Ireland No. 462657. VAT No. IE9693052R

This email and any attached files or emails transmitted with it are confidential and intended solely for the use of the individual(s) or entity to whom it is addressed. If the reader is not a representative of the intended recipient(s), any review, dissemination or copying of this message or the information it contains is prohibited. If you have received this email in error please notify the sender of the email and delete the email. MKO does not represent or warrant that any attachment hereto is free from computer viruses or other defects. The opinions expressed in this e-mail and any attachments may be those of the author and are not necessarily those of MKO

From: Michael Edwards <Michael.Edwards@cityofderryairport.com>
Sent: Tuesday 24 March 2020 16:49
To: Eoin McCarthy <emccarthy@mkoireland.ie>
Subject: RE: EIA Scoping Document for the Proposed Glenard Wind Farm Ref 190114

Hi Eoin
Apologies again for this. I will respond to you tonight.
Best regards

Michael Edwards
ATS Manager
CODA Operations Ltd
Airport Road, Eglinton
BT47 3GY
www.cityofderryairport.com
T: +44 (0)28 71 81 07 84



From: Eoin McCarthy <emccarthy@mkoireland.ie>
Sent: 23 March 2020 11:45
To: Michael Edwards <Michael.Edwards@cityofderryairport.com>
Subject: RE: EIA Scoping Document for the Proposed Glenard Wind Farm Ref 190114

Hi Michael,

Hope all is well.

I'm just looking for an update on you're assessment of the turbine layouts since we spoke the week before last. Could you please let me know when you expect the assessment to be completed.

Kind Regards,



Eoin McCarthy B.Sc. (Env.)
Senior Environmental Scientist

MKO
Tuam Road, Galway
Ireland, H91 VW84
+353 (0) 91 735611



McCarthy Keville O'Sullivan Ltd. T/A MKO. Registered in Ireland No. 462657. VAT No. IE9693052R

This email and any attached files or emails transmitted with it are confidential and intended solely for the use of the individual(s) or entity to whom it is addressed. If the reader is not a representative of the intended recipient(s), any review, dissemination or copying of this message or the information it contains is prohibited. If you have received this email in error please notify the sender of the email and delete the email. MKO does not represent or warrant that any attachment hereto is free from computer viruses or other defects. The opinions expressed in this e-mail and any attachments may be those of the author and are not necessarily those of MKO

From: Michael Edwards <Michael.Edwards@cityofderryairport.com>
Sent: Wednesday 4 March 2020 15:15
To: Eoin McCarthy <emccarthy@mkoireland.ie>
Subject: RE: EIA Scoping Document for the Proposed Glenard Wind Farm Ref 190114

Hi Eoin

Apologies for the delayed response. To allow me to carry out an impact assessment of the turbines on the CoDA aerodrome protected flight surfaces and the Instrument Flight Procedures please can you send me the ground elevation data for the base of each of the turbines. Also, can you confirm the maximum blade tip elevation is 180m above ground level for each turbine.

Best regards

Michael Edwards
ATS Manager
CODA Operations Ltd
Airport Road, Eglinton
BT47 3GY
www.cityofderryairport.com
T: +44 (0)28 71 81 07 84



From: Eoin McCarthy <emccarthy@mkoireland.ie>
Sent: 21 February 2020 16:14
To: Michael Edwards <Michael.Edwards@cityofderryairport.com>
Subject: RE: EIA Scoping Document for the Proposed Glenard Wind Farm Ref 190114

Hi Michael,

I'm emailing to update you on the current status of the turbine layout for the proposed Glenard Wind Farm project. Following detailed site investigations at the Glenard site the turbine layout has been amended.

From the turbine layout that you received last October, T12, T14 and T15 have been removed from the proposed layout and 11 of the remaining 12 turbine locations have been repositioned slightly. The proposed blade tip height

has been increased to 180 metres and the maximum rotor is now 150 metres. Please see the updated turbine co-ordinates attached

In addition to the above, 4 no. potential turbine locations have been identified on a neighbouring site and these may be brought in to the overall Glenard Wind Farm project. I have also attached these turbine co-ordinates.

Please review these locations and turbine dimensions and respond with any comments or queries that you may have in relation to the above or the attached.

Kind Regards,



Eoin McCarthy B.Sc. (Env.)
Senior Environmental Scientist

MKO
Tuam Road, Galway
Ireland, H91 VW84
+353 (0) 91 735611
www.mkoireland.ie



McCarthy Keville O'Sullivan Ltd. T/A MKO. Registered in Ireland No. 462657. VAT No. IE9693052R

This email and any attached files or emails transmitted with it are confidential and intended solely for the use of the individual(s) or entity to whom it is addressed. If the reader is not a representative of the intended recipient(s), any review, dissemination or copying of this message or the information it contains is prohibited. If you have received this email in error please notify the sender of the email and delete the email. MKO does not represent or warrant that any attachment hereto is free from computer viruses or other defects. The opinions expressed in this e-mail and any attachments may be those of the author and are not necessarily those of MKO

From: Eoin McCarthy
Sent: 02 October 2019 15:57
To: Michael Edwards <Michael.Edwards@cityofderryairport.com>
Subject: RE: EIA Scoping Document for the Proposed Glenard Wind Farm Ref 190114

Hi Michael,

Please see updated spreadsheet attached with Irish Grid Co-ordinates included.

Kind Regards,



Eoin McCarthy B.Sc. (Env.)
Senior Environmental Scientist

MKO
Tuam Road, Galway
Ireland, H91 VW84
+353 (0) 91 735611
www.mkoireland.ie



McCarthy Keville O'Sullivan Ltd. T/A MKO. Registered in Ireland No. 462657. VAT No. IE9693052R

This email and any attached files or emails transmitted with it are confidential and intended solely for the use of the individual(s) or entity to whom it is addressed. If the reader is not a representative of the intended recipient(s), any review, dissemination or copying of this message or the information it contains is prohibited. If you have received this email in error please notify the sender of the email and delete the email. MKO does not represent or warrant that any attachment hereto is free from computer viruses or other defects. The opinions expressed in this e-mail and any attachments may be those of the author and are not necessarily those of MKO

From: Michael Edwards <Michael.Edwards@cityofderryairport.com>
Sent: 30 September 2019 13:29
To: Eoin McCarthy <emccarthy@mkoireland.ie>
Subject: RE: EIA Scoping Document for the Proposed Glenard Wind Farm Ref 190114

Thanks Eoin,

Can I get you to check these grid references are Irish Grid Reference.
I would expect them to be more like the following format:
243681.88 432050.90

Best regards

Michael Edwards
ATS Manager
CODA Operations Ltd
Airport Road, Eglinton
BT47 3GY
www.cityofderryairport.com
T: +44 (0)28 71 81 07 84



From: Eoin McCarthy <emccarthy@mkoireland.ie>
Sent: 30 September 2019 11:22
To: Michael Edwards <Michael.Edwards@cityofderryairport.com>
Subject: RE: EIA Scoping Document for the Proposed Glenard Wind Farm Ref 190114

Hi Michael,

As requested, please see attached the current turbine layout for the proposed Glenard WF project.

Current turbine dimensions are blade tip height of 169m and a max rotor diameter of 136m.

If you have any further queries, please do not hesitate to contact me.

Kind Regards,



Eoin McCarthy B.Sc. (Env.)
Senior Environmental Scientist

MKO
Tuam Road, Galway
Ireland, H91 VW84
+353 (0) 91 735611
www.mkoireland.ie



McCarthy Keville O'Sullivan Ltd. T/A MKO. Registered in Ireland No. 462657. VAT No. IE9693052R

This email and any attached files or emails transmitted with it are confidential and intended solely for the use of the individual(s) or entity to whom it is addressed. If the reader is not a representative of the intended recipient(s), any review, dissemination or copying of this message or the information it contains is prohibited. If you have received this email in error please notify the sender of the email and delete the email. MKO does not represent or warrant

From: MKO-Admin <info@mkoireland.ie>
Sent: 04 September 2019 09:06
To: Michael Watson <mwatson@mkoireland.ie>; Eoin McCarthy <emccarthy@mkoireland.ie>
Subject: FW: EIA Scoping Document for the Proposed Glenard Wind Farm Ref 190114

From: Michael Edwards <Michael.Edwards@cityofderryairport.com>
Sent: 04 September 2019 00:10
To: MKO-Admin <info@mkoireland.ie>
Subject: EIA Scoping Document for the Proposed Glenard Wind Farm Ref 190114

Dear Sir
Thank you for the EIA Scoping Document for the Proposed Glenard Wind Farm. In order to assess the development we will require the dimensions of the proposed turbines and the grid references of each of their proposed locations.

If you require any further information, please do not hesitate to contact me,
Best regards

Michael Edwards
ATS Manager
CODA Operations Ltd
Airport Road, Eglinton
BT47 3GY
www.cityofderryairport.com
T: +44 (0)28 71 81 07 84



This email and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you are not an intended recipient, you are hereby notified that any copying, distribution, disclosure, reliance upon or other use of the contents of this email is strictly prohibited. If you have received this email in error, please notify the sender and destroy it. Please note that any views or opinions presented in this email are solely those of the author and do not necessarily represent those of the Company. Finally, the recipient should check this email and any attachments for the presence of viruses. The Company accepts no liability for any damage caused by any virus transmitted by the email. CODA (Operations) Ltd trading as City of Derry Airport. Airport Road, Derry. BT47 3GY. www.cityofderryairport.com

This email and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you are not an intended recipient, you are hereby notified that any copying, distribution, disclosure, reliance upon or other use of the contents of this email is strictly prohibited. If you have received this email in error, please notify the sender and destroy it. Please note that any views or opinions presented in this email are solely those of the author and do not necessarily represent those of the Company. Finally, the recipient should check this email and any attachments for the presence of viruses. The Company accepts no liability for any damage caused by any virus transmitted by the email. CODA (Operations) Ltd trading as City of Derry Airport. Airport Road, Derry. BT47 3GY. www.cityofderryairport.com

This email and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you are not an intended recipient, you are hereby notified that any copying, distribution, disclosure, reliance upon or other use of the contents of this email is strictly prohibited. If you have received this email in error, please notify the sender and destroy it. Please note that any views or opinions

Eoin McCarthy

From: Michael Edwards <Michael.Edwards@cityofderryairport.com>
Sent: Thursday 2 April 2020 11:47
To: Eoin McCarthy
Subject: RE: EIA Scoping Document for the Proposed Glenard Wind Farm Ref 190114

Hi Eoin

Under our safety management system, the requirement will be for CoDA to instruct an Instrument Procedure designer approved within our SMS as approved to carry out assessments. We would not be able to use assessments provided by other means.

I have sought quotations for a Wind Turbine Technical Safeguarding Assessment and an IFP Technical Study. I will pass these to you on receipt. At that stage, if you are willing to continue with this, I will arrange for an airport invoice to be send to you for the quoted amount plus an airport 10% administration charge. This 10% charge is levied on all work that the airport undertakes for third party work and assessments.

If you require any further information please do not hesitate to contact me,

Best regards

Michael Edwards
ATS Manager
CODA Operations Ltd
Airport Road, Eglinton
BT47 3GY
www.cityofderryairport.com
T: +44 (0)28 71 81 07 84



From: Eoin McCarthy <emccarthy@mkoireland.ie>
Sent: 02 April 2020 08:46
To: Michael Edwards <Michael.Edwards@cityofderryairport.com>
Subject: RE: EIA Scoping Document for the Proposed Glenard Wind Farm Ref 190114
Importance: High

Hi Michael,

Just following up on the request below.

Could you please send on a list of specialists that we may be able to engage to do the assessment. We are hoping to carry out this work as soon as possible.

Kind Regards,



Eoin McCarthy B.Sc. (Env.)
Senior Environmental Scientist

MKO
Tuam Road, Galway
Ireland, H91 VW84
+353 (0) 91 735611
www.mkoireland.ie



McCarthy Keville O'Sullivan Ltd. T/A MKO. Registered in Ireland No. 462657. VAT No. IE9693052R

This email and any attached files or emails transmitted with it are confidential and intended solely for the use of the individual(s) or entity to whom it is addressed. If the reader is not a representative of the intended recipient(s), any review, dissemination or copying of this message or the information it contains is prohibited. If you have received this email in error please notify the sender of the email and delete the email. MKO does not represent or warrant that any attachment hereto is free from computer viruses or other defects. The opinions expressed in this e-mail and any attachments may be those of the author and are not necessarily those of MKO

From: Eoin McCarthy
Sent: Monday 30 March 2020 16:27
To: Michael Edwards <Michael.Edwards@cityofderryairport.com>
Subject: RE: EIA Scoping Document for the Proposed Glenard Wind Farm Ref 190114
Importance: High

Hi Michael,

Could you please send us a list of specialists that we could engage to carry out the full Instrument Flight Procedure (IFP) Safeguarding assessment, as soon as possible.

Also, is there any mapping data from your local safety impact assessment that you could issue to us for perusal?

Kind Regards,



Eoin McCarthy B.Sc. (Env.)
Senior Environmental Scientist

MKO
Tuam Road, Galway
Ireland, H91 VW84
+353 (0) 91 735611
www.mkoireland.ie



McCarthy Keville O'Sullivan Ltd. T/A MKO. Registered in Ireland No. 462657. VAT No. IE9693052R

This email and any attached files or emails transmitted with it are confidential and intended solely for the use of the individual(s) or entity to whom it is addressed. If the reader is not a representative of the intended recipient(s), any review, dissemination or copying of this message or the information it contains is prohibited. If you have received this email in error please notify the sender of the email and delete the email. MKO does not represent or warrant that any attachment hereto is free from computer viruses or other defects. The opinions expressed in this e-mail and any attachments may be those of the author and are not necessarily those of MKO

From: Michael Edwards <Michael.Edwards@cityofderryairport.com>
Sent: Wednesday 25 March 2020 01:24
To: Eoin McCarthy <emccarthy@mkoireland.ie>
Subject: RE: EIA Scoping Document for the Proposed Glenard Wind Farm Ref 190114

Hi Eoin,

My apologies for the delay in responding. Thank you for the detailed information on the proposed turbine locations and dimensions. A local safety impact assessment indicates that the proposed development would infringe the existing Instrument Flight Procedure (IFP) used by arriving aircraft at City of Derry Airport. Therefore, a full Instrument Flight Procedure (IFP) Safeguarding assessment will be required to establish the exact magnitude of the infringement and any possible actions that could be used to mitigate this infringement reducing that safety impact.

As you are probably aware, that level of safety assessment is a specialist procedure designer role and City of Derry Airport would not be able to carry out that level of IFP impact assessment without the specialist assistance of an approved instrument procedure design organisation at an competitive industry cost. Please can you advise your availability to discuss this further.

Best regards

Michael Edwards
ATS Manager
CODA Operations Ltd
Airport Road, Eglinton
BT47 3GY
www.cityofderryairport.com
T: +44 (0)28 71 81 07 84



From: Eoin McCarthy <emccarthy@mkoireland.ie>
Sent: 24 March 2020 16:56
To: Michael Edwards <Michael.Edwards@cityofderryairport.com>
Subject: RE: EIA Scoping Document for the Proposed Glenard Wind Farm Ref 190114

Thanks Michael



Eoin McCarthy B.Sc. (Env.)
Senior Environmental Scientist

MKO
Tuam Road, Galway
Ireland, H91 VW84
+353 (0) 91 735611
www.mkoireland.ie



McCarthy Keville O'Sullivan Ltd. T/A MKO. Registered in Ireland No. 462657. VAT No. IE9693052R

This email and any attached files or emails transmitted with it are confidential and intended solely for the use of the individual(s) or entity to whom it is addressed. If the reader is not a representative of the intended recipient(s), any review, dissemination or copying of this message or the information it contains is prohibited. If you have received this email in error please notify the sender of the email and delete the email. MKO does not represent or warrant that any attachment hereto is free from computer viruses or other defects. The opinions expressed in this e-mail and any attachments may be those of the author and are not necessarily those of MKO

From: Michael Edwards <Michael.Edwards@cityofderryairport.com>
Sent: Tuesday 24 March 2020 16:49
To: Eoin McCarthy <emccarthy@mkoireland.ie>
Subject: RE: EIA Scoping Document for the Proposed Glenard Wind Farm Ref 190114

Hi Eoin
Apologies again for this. I will respond to you tonight.
Best regards

Michael Edwards
ATS Manager
CODA Operations Ltd
Airport Road, Eglinton
BT47 3GY
www.cityofderryairport.com
T: +44 (0)28 71 81 07 84



From: Eoin McCarthy <emccarthy@mkoireland.ie>
Sent: 23 March 2020 11:45
To: Michael Edwards <Michael.Edwards@cityofderryairport.com>
Subject: RE: EIA Scoping Document for the Proposed Glenard Wind Farm Ref 190114

Hi Michael,

Hope all is well.

I'm just looking for an update on you're assessment of the turbine layouts since we spoke the week before last. Could you please let me know when you expect the assessment to be completed.

Kind Regards,



Eoin McCarthy B.Sc. (Env.)
Senior Environmental Scientist

MKO
Tuam Road, Galway
Ireland, H91 VW84
+353 (0) 91 735611
www.mkoireland.ie



McCarthy Keville O'Sullivan Ltd. T/A MKO. Registered in Ireland No. 462657. VAT No. IE9693052R

This email and any attached files or emails transmitted with it are confidential and intended solely for the use of the individual(s) or entity to whom it is addressed. If the reader is not a representative of the intended recipient(s), any review, dissemination or copying of this message or the information it contains is prohibited. If you have received this email in error please notify the sender of the email and delete the email. MKO does not represent or warrant that any attachment hereto is free from computer viruses or other defects. The opinions expressed in this e-mail and any attachments may be those of the author and are not necessarily those of MKO

From: Michael Edwards <Michael.Edwards@cityofderryairport.com>
Sent: Wednesday 4 March 2020 15:15
To: Eoin McCarthy <emccarthy@mkoireland.ie>
Subject: RE: EIA Scoping Document for the Proposed Glenard Wind Farm Ref 190114

Hi Eoin

Apologies for the delayed response. To allow me to carry out an impact assessment of the turbines on the CoDA aerodrome protected flight surfaces and the Instrument Flight Procedures please can you send me the ground elevation data for the base of each of the turbines. Also, can you confirm the maximum blade tip elevation is 180m above ground level for each turbine.

Best regards

Michael Edwards
ATS Manager
CODA Operations Ltd
Airport Road, Eglinton
BT47 3GY
www.cityofderryairport.com
T: +44 (0)28 71 81 07 84



From: Eoin McCarthy <emccarthy@mkoireland.ie>
Sent: 21 February 2020 16:14
To: Michael Edwards <Michael.Edwards@cityofderryairport.com>
Subject: RE: EIA Scoping Document for the Proposed Glenard Wind Farm Ref 190114

Hi Michael,

I'm emailing to update you on the current status of the turbine layout for the proposed Glenard Wind Farm project. Following detailed site investigations at the Glenard site the turbine layout has been amended.

From the turbine layout that you received last October, T12, T14 and T15 have been removed from the proposed layout and 11 of the remaining 12 turbine locations have been repositioned slightly. The proposed blade tip height has been increased to 180 metres and the maximum rotor is now 150 metres. Please see the updated turbine co-ordinates attached

In addition to the above, 4 no. potential turbine locations have been identified on a neighbouring site and these may be brought in to the overall Glenard Wind Farm project. I have also attached these turbine co-ordinates.

Please review these locations and turbine dimensions and respond with any comments or queries that you may have in relation to the above or the attached.

Kind Regards,



Eoin McCarthy B.Sc. (Env.)
Senior Environmental Scientist

MKO
Tuam Road, Galway
Ireland, H91 VW84
+353 (0) 91 735611
www.mkoireland.ie



McCarthy Keville O'Sullivan Ltd. T/A MKO. Registered in Ireland No. 462657. VAT No. IE9693052R

This email and any attached files or emails transmitted with it are confidential and intended solely for the use of the individual(s) or entity to whom it is addressed. If the reader is not a representative of the intended recipient(s), any review, dissemination or copying of this message or the information it contains is prohibited. If you have received this email in error please notify the sender of the email and delete the email. MKO does not represent or warrant that any attachment hereto is free from computer viruses or other defects. The opinions expressed in this e-mail and any attachments may be those of the author and are not necessarily those of MKO

From: Eoin McCarthy
Sent: 02 October 2019 15:57
To: Michael Edwards <Michael.Edwards@cityofderryairport.com>
Subject: RE: EIA Scoping Document for the Proposed Glenard Wind Farm Ref 190114

Hi Michael,

Please see updated spreadsheet attached with Irish Grid Co-ordinates included.

Kind Regards,



Eoin McCarthy B.Sc. (Env.)
Senior Environmental Scientist

MKO
Tuam Road, Galway
Ireland, H91 VW84
+353 (0) 91 735611
www.mkoireland.ie



McCarthy Keville O'Sullivan Ltd. T/A MKO. Registered in Ireland No. 462657. VAT No. IE9693052R

This email and any attached files or emails transmitted with it are confidential and intended solely for the use of the individual(s) or entity to whom it is addressed. If the reader is not a representative of the intended recipient(s), any review, dissemination or copying of this message or the information it contains is prohibited. If you have received this email in error please notify the sender of the email and delete the email. MKO does not represent or warrant that any attachment hereto is free from computer viruses or other defects. The opinions expressed in this e-mail and any attachments may be those of the author and are not necessarily those of MKO

From: Michael Edwards <Michael.Edwards@cityofderryairport.com>
Sent: 30 September 2019 13:29
To: Eoin McCarthy <emccarthy@mkoireland.ie>
Subject: RE: EIA Scoping Document for the Proposed Glenard Wind Farm Ref 190114

Thanks Eoin,

Can I get you to check these grid references are Irish Grid Reference.

I would expect them to be more like the following format:

243681.88 432050.90

Best regards

Michael Edwards
ATS Manager
CODA Operations Ltd
Airport Road, Eglinton
BT47 3GY
www.cityofderryairport.com
T: +44 (0)28 71 81 07 84



From: Eoin McCarthy <emccarthy@mkoireland.ie>
Sent: 30 September 2019 11:22
To: Michael Edwards <Michael.Edwards@cityofderryairport.com>
Subject: RE: EIA Scoping Document for the Proposed Glenard Wind Farm Ref 190114

Hi Michael,

As requested, please see attached the current turbine layout for the proposed Glenard WF project.

Current turbine dimensions are blade tip height of 169m and a max rotor diameter of 136m.

If you have any further queries, please do not hesitate to contact me.

Kind Regards,



Eoin McCarthy B.Sc. (Env.)
Senior Environmental Scientist

MKO
Tuam Road, Galway
Ireland, H91 VW84
+353 (0) 91 735611
www.mkoireland.ie



McCarthy Keville O'Sullivan Ltd. T/A MKO. Registered in Ireland No. 462657. VAT No. IE9693052R

This email and any attached files or emails transmitted with it are confidential and intended solely for the use of the individual(s) or entity to whom it is addressed. If the reader is not a representative of the intended recipient(s), any review, dissemination or copying of this message or the information it contains is prohibited. If you have received this email in error please notify the sender of the email and delete the email. MKO does not represent or warrant that any attachment hereto is free from computer viruses or other defects. The opinions expressed in this e-mail and any attachments may be those of the author and are not necessarily those of MKO

From: MKO-Admin <info@mkoireland.ie>
Sent: 04 September 2019 09:06
To: Michael Watson <mwatson@mkoireland.ie>; Eoin McCarthy <emccarthy@mkoireland.ie>
Subject: FW: EIA Scoping Document for the Proposed Glenard Wind Farm Ref 190114

From: Michael Edwards <Michael.Edwards@cityofderryairport.com>
Sent: 04 September 2019 00:10

To: MKO-Admin <info@mkoireland.ie>

Subject: EIA Scoping Document for the Proposed Glenard Wind Farm Ref 190114

Dear Sir

Thank you for the EIA Scoping Document for the Proposed Glenard Wind Farm. In order to assess the development we will require the dimensions of the proposed turbines and the grid references of each of their proposed locations.

If you require any further information, please do not hesitate to contact me,
Best regards

Michael Edwards
ATS Manager
CODA Operations Ltd
Airport Road, Eglinton
BT47 3GY
www.cityofderryairport.com
T: +44 (0)28 71 81 07 84



This email and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you are not an intended recipient, you are hereby notified that any copying, distribution, disclosure, reliance upon or other use of the contents of this email is strictly prohibited. If you have received this email in error, please notify the sender and destroy it. Please note that any views or opinions presented in this email are solely those of the author and do not necessarily represent those of the Company. Finally, the recipient should check this email and any attachments for the presence of viruses. The Company accepts no liability for any damage caused by any virus transmitted by the email. CODA (Operations) Ltd trading as City of Derry Airport. Airport Road, Derry. BT47 3GY. www.cityofderryairport.com

This email and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you are not an intended recipient, you are hereby notified that any copying, distribution, disclosure, reliance upon or other use of the contents of this email is strictly prohibited. If you have received this email in error, please notify the sender and destroy it. Please note that any views or opinions presented in this email are solely those of the author and do not necessarily represent those of the Company. Finally, the recipient should check this email and any attachments for the presence of viruses. The Company accepts no liability for any damage caused by any virus transmitted by the email. CODA (Operations) Ltd trading as City of Derry Airport. Airport Road, Derry. BT47 3GY. www.cityofderryairport.com

This email and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you are not an intended recipient, you are hereby notified that any copying, distribution, disclosure, reliance upon or other use of the contents of this email is strictly prohibited. If you have received this email in error, please notify the sender and destroy it. Please note that any views or opinions presented in this email are solely those of the author and do not necessarily represent those of the Company. Finally, the recipient should check this email and any attachments for the presence of viruses. The Company accepts no liability for any damage caused by any virus transmitted by the email. CODA (Operations) Ltd trading as City of Derry Airport. Airport Road, Derry. BT47 3GY. www.cityofderryairport.com

This email and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you are not an intended recipient, you are hereby notified that any copying, distribution, disclosure, reliance upon or other use of the contents of this email is strictly prohibited. If you have received this email in error, please notify the sender and destroy it. Please note that any views or opinions presented in this email are solely those of the author and do not necessarily represent those of the Company. Finally, the recipient should check this email and any attachments for the presence of viruses. The Company accepts no liability for any damage caused by any virus transmitted by the email. CODA (Operations) Ltd trading as City of Derry Airport. Airport Road, Derry. BT47 3GY. www.cityofderryairport.com

Eoin McCarthy

From: MKO-Admin
Sent: Wednesday 15 April 2020 13:43
To: Eoin McCarthy
Subject: FW: FOI: Mr. Eoin McCarthy - Re: EIAR Scoping Document for Proposed Glenard Wind Farm, Co. Donegal.

From: INFO
Sent: Wednesday 15 April 2020 12:10
To: MKO-Admin <info@mkoireland.ie>
Subject: FOI: Mr. Eoin McCarthy - Re: EIAR Scoping Document for Proposed Glenard Wind Farm, Co. Donegal.

Dear Mr. McCarthy,

Thank you for your correspondence of 20 March 2020 regarding the above EIAR scoping request.

Transport Infrastructure Ireland (TII) wishes to advise that we are not in a position to engage directly with planning applicants in respect to proposed developments. TII will endeavour to consider and respond to planning applications referred to it given its status and duties as a statutory consultee under the Planning Acts. The approach to be adopted by TII in making such submissions or comments will seek to uphold official policy and guidelines as outlined in the Spatial Planning and National Roads Guidelines for Planning Authorities (DoECLG, 2012). Regard should also be had to other relevant guidance available at www.TII.ie.

The issuing of this correspondence is provided as best practice guidance only and does not prejudice TII's statutory right to make any observations, requests for further information, objections or appeals following the examination of any valid planning application referred.

With respect to EIAR scoping issues, the recommendations indicated below provide only general guidance for the preparation of an EIAR, which may affect the national road network.

The developer/scheme promoter should have regard, *inter alia*, to the following;

- Consultations should be had with the relevant local authority/national roads design office with regard to locations of existing and future national road schemes.
- TII would be specifically concerned as to potential significant impacts the development would have on the national road network (and junctions with national roads) in the proximity of the proposed development.
- The developer should assess visual impacts from existing national roads.
- The developer should have regard to any Environmental Impact Statement and all conditions and/or modifications imposed by An Bord Pleanála regarding road schemes in the area. The developer should in particular have regard to any potential cumulative impacts.
- The developer, in conducting Environmental Impact Assessment, should have regard to TII Publications (formerly DMRB and the Manual of Contract Documents for Road Works).
- The developer, in conducting Environmental Impact Assessment, should have regard to TII's Environmental Assessment and Construction Guidelines, including the *Guidelines for the Treatment of Air Quality During the Planning and Construction of National Road Schemes* (National Roads Authority, 2006).
- The EIAR should consider the Environmental Noise Regulations 2006 (SI 140 of 2006) and, in particular, how the development will affect future action plans by the relevant competent authority. The developer may need to consider the incorporation of noise barriers to reduce noise impacts (see *Guidelines for the Treatment of Noise and Vibration in National Road Schemes* (1st Rev., National Roads Authority, 2004)).
- It would be important that, where appropriate, subject to meeting the appropriate thresholds and criteria and having regard to best practice, a Traffic and Transport Assessment be carried out in accordance with relevant guidelines, noting traffic volumes attending the site and traffic routes to/from the site with reference to impacts on the national road network and junctions of lower category roads with national roads. TII's Traffic and Transport Assessment Guidelines (2014) should be referred to in relation to proposed

development with potential impacts on the national road network. The scheme promoter is also advised to have regard to Section 2.2 of the NRA/TII TTA Guidelines which addresses requirements for sub-threshold TTA.

- The designers are asked to consult TII Publications to determine whether a Road Safety Audit is required.
- In the interests of maintaining the safety and standard of the national road network, the EIAR should identify the methods/techniques proposed for any works traversing/in proximity to the national road network.
- In relation to haul route identification, the applicant/developer should clearly identify haul routes proposed and fully assess the network to be traversed. Separate structure approvals/permits and other licences may be required in connection with the proposed haul route, including where temporary modification to the road network may be required. Consultation with relevant PPP Companies and MMarC Contractors may also be required. All structures on the haul route should be checked by the applicant/developer to confirm their capacity to accommodate any abnormal load proposed.
- In relation to cabling and potential connection routing, the scheme promoter should note locations of existing and future national road schemes and develop proposals to safeguard proposed road schemes. In the context of existing national roads, alternatives to the provision of cabling along the national road network, such as alternative routing or the laying of cabling in private lands adjoining the national road, should be considered in the interests of safeguarding the investment in and the potential for future upgrade works to the national road network. The cable routing should avoid all impacts to existing TII infrastructure such as traffic counters, weather stations, etc. and works required to such infrastructure shall only be undertaken in consultation with and subject to the agreement of TII. Any costs attributable shall be borne by the applicant/developer. The developer should also be aware that separate approvals may be required for works traversing the national road network and motorway network.

Notwithstanding any of the above, the developer should be aware that this list is non-exhaustive, thus site and development specific issues should be addressed in accordance with best practise.

I trust that the above comments are of use in your EIAR preparation.

Yours sincerely,

Michael McCormack
Senior Land Use Planner

Transport Infrastructure Ireland



TII processes personal data provided to it in accordance with its Data Protection Notice available at <http://www.tii.ie/about/> Próiseálann

Próiseálann BIÉ sonraí pearsanta a sholáthraítear dó i gcomhréir lena Fhógra ar Chosaint Sonraí atá ar fáil ag <http://www.tii.ie/about/>

TII E-mail system: This email and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this email in error then please notify postmaster@tii.ie and delete the original including attachments.

Córas r-phoist BIE: Tá an ríomhphost seo agus aon chomhaid a tharchuirtear leis faoi rún agus beartaithe lena n-úsáid ag an duine aonair nó ag an eintiteas a bhfuil siad dírithe chuige/chuici



Derry City & Strabane
District Council
Comhairle
Chathair Dhoire &
Cheantar an tSraitha B ain
Derry Cittie & Str abane
Destrack Council

MKO
Tuam Road
Galway

Derry City & Strabane District Council
98 Strand Road
Derry
BT48 7NN

Date: 26th May 2020
Your Ref:
Our Ref: LA11/2019/0705/DETEIA
(Please quote at all times)
Please Contact: Sarah Barrett
Contact Number 028 7125 3253

Dear Sir/Madam,

Location: 7.5k east of Buncrana Inishowen Co Donegal

Proposal: EIA Scoping Request Proposed Glenard Wind Farm, Co Donegal

I refer your letter and scoping document received by Council on 19th August 2019 in connection with the above proposal.

Council has undertaken consultations with appropriate consultees and a copy of the responses from the following bodies are attached to this correspondence for your consideration in preparing your EIAR Statement;

- DAERA
- Historic Environment Division
- DFI Roads
- Environmental Health
- Shared Environmental Services
- Loughs Agency
- Belfast International Airport
- CAA Directorate of Airspace

- City of Derry Airport
- Arquiva Services Ltd.

In relation to the proposal it is advised that you take account of the comments of the above consultees. I can also advise that Council did consult with National Air Traffic Services (NATS) and Ofcom NI however responses from both these consultees have not been received. If a response is received this will be forwarded to you upon receipt.

In terms of landscape and visual impacts on Northern Ireland, I would direct you to the following documents in terms of planning policy and guidance:

- Strategic Planning Policy Statement for Northern Ireland (SPPS)
- Planning Policy Statement 18 - Renewable Energy (and its accompanying Best Practice Guide)
- Supplementary Planning Guidance to accompany PPS 18 - Wind Energy Development in Northern Ireland's Landscapes.

These documents are available to view on the Department's web page www.planningni.gov.uk

I would advise that an Environmental Statement should include appropriate landscape and visual assessments from relevant important viewpoints from Derry City and Strabane District Council Area.

Yours faithfully



Authorised Officer

Derry and Strabane Planning Manager



City of Derry Airport Consultation Response

Application Details

Application Reference: LA11 2019 0705/DETEIA
Proposed Development: Proposed Wind Farm
Location: 7.5k east of Buncrana Inishowen Co Donegal

Date of Response	15 May 2020
Response	A local assessment indicates that the proposed development would infringe the existing Instrument Flight Procedure (IFP) used by aircraft operating at City of Derry Airport. A full IFP safeguarding assessment by an approved instrument procedure design organisation will be required to establish the extent of the infringement and possible actions to mitigate any safety impact.
Reason	
Issued By	M Edwards
Department	ATS Manager

Your Ref: LA11/2019/0705/DE
TEIA
Our Ref: BIA19-5551
File Ref: EPIC



16 September 2019

Engineering Department

Sarah Barrett
Derry City & Strabane District Council
Local Planning Office
Orchard House
40 Foyle Street Londonderry
BT48 6AT

For the attention of: Sarah Barrett

Dear Sir/ Madam

**Proposed (Wind Turbine)
Development of:**

**Proposed wind farm: 7.5k east of Buncrana,
Inishowen, Co Donegal**

I refer to your letter dated 21/08/2019 received by the Belfast International Airport on 21/08/2019.

Thank you for contacting Belfast International Airport at such an early stage in the development to ask us for our comments on this development with regards to the safeguarding aspect.

With the limited information provided within the planning portal we are unable to carry out the required consultation therefore we are unable to comment at this stage and would ask that as soon as the relevant information becomes available that you reconsult us on this application.

Yours faithfully

Joe McGuigan
Projects and Safeguarding Supervisor

Historic Environment Division
Causeway Exchange
1-7 Bedford Street
Belfast
BT2 7EG

Tel: 028 9082 3100
Email:
HEDPlanning.General@communities-
ni.gov.uk

Date: 19 September 2019

Dear Sir/Madam

Planning Application Ref.: LA11/2019/0705/DETEIA
Location: 7.5k east of Bunrana
Inishowen
Co Donegal
Proposal: Proposed wind farm

Thank you for your consultation on the above application, received by DfC on 21/08/2019

Historic Environment Division (HED) has reviewed the details of the application and provides summary comments as follows:

Archaeology and Built Heritage

HED (Historic Monuments) would require an archaeological section within it. However, if it is determined that an EIA is not necessary then HED (HM) would still require an Archaeological Impact Assessment (AIA) with a particular focus on the archaeological features of the immediate area to be submitted with any subsequent planning application.

Should you seek further clarification on any of the issues raised in this response, please do not hesitate to contact the HED Planning Team.

Kind Regards

Historic Environment Division

Issued on behalf of Department for Communities

Archaeology & Built Heritage

Section Reference SM11/1 LDY 14A

Consideration

The application site is located in County Donegal close to Derry city. Given the nature of the proposed development the impact upon the setting of monuments up to 5km away from the application site should be considered.

Therefore, should it be determined that an Environmental Impact Assessment (EIA) is required then Historic Environment Division (Historic Monuments) would require an archaeological section within it. However, if it is determined that an EIA is not necessary then HED (HM) would still require an Archaeological Impact Assessment (AIA) with a particular focus on the archaeological features of the immediate area to be submitted with any subsequent planning application. The AIA should be prepared by a professional archaeologist/archaeological consultancy and include:

1. A detailed desk-based assessment of the potential impacts of the proposed development on the archaeological sites and monuments and related historic environment assets and areas located within, and within an appropriate study area around, the proposed development site. This should include reference to any relevant information held in the National Monuments and Buildings Record; a comprehensive historic map review; information of archaeological sites, monuments, artefacts or related heritage assets held by the Ulster Museum or PRONI; a review of previous archaeological investigations in the area; and any other relevant sources. The assessment should include field inspection(s) of the application site to identify any other previously unrecorded, upstanding archaeological remains, and to assess the archaeological potential of the site.
2. An assessment of the potential impacts of this development on those known archaeological sites and monuments and related historic environment assets located within the development site and an appropriate study area, and upon their settings. Reference should be made to the relevant planning policy protections contained in *Planning Policy Statement 6 – Planning, Archaeology and the Built Heritage*, and note any potential statutory consent requirements associated with Scheduled or State Care sites. The HED document *Guidance on Setting and the Historic Environment* contains advice on the assessment of the settings of heritage assets and the potential impacts of development proposals upon them.
3. An archaeological mitigation strategy, to identify any previously unrecorded archaeological remains within the development area. The mitigation strategy should include options for preservation of archaeological remains *in-situ*, or for the appropriate identification and excavation recording of remains where preservation *in-situ* cannot be achieved. The mitigation strategy should also make provisions for works that may be necessary after the field work is completed. This may include post-excavation processing and analysis of the

archaeological material retrieved, preparation of specialist reports, archiving and the preparation of a final report.

Informative

- Please refer to the HED guidance document [Development and Archaeology: Guidance on Archaeological Works in the Planning Process](#).



Derry City & Strabane
District Council
Comhairle
Chathair Dhoire &
Cheantar an tSrátha Báin
Derry Cille & Strábane
Districk Council

Environmental Health Service

Consultation response in respect of planning application

Application Reference	LA11/2019/0705/DETEIA
Proposal	Proposed wind farm
Location	7.5k East of Bunrana, Inishowen, Co Donegal
Date Consulted	21-08-2019
Date of Response	19-09-2019

Comment:

The Environmental Health Service of Derry City and Strabane District Council has now had an opportunity to review the scoping document submitted as part of this transboundary scoping exercise for the Glenard Wind Farm. Environmental Health's remit extends to consideration of the noise impacts of such developments. Based on the information received the closest part of the Northern Ireland border would appear to be approx. 4.8km from the boundary of the proposed wind farm site with the closest Northern Ireland property being approx. 4.9km. At these distances it is not expected that noise will be a significant issue.

Issued on behalf of the Environmental Health Service

Date: **19th September 2019**

NOTE: Any consultation response provided by the Environmental Health Service is based on: information supplied by the applicant, and other information currently available.

DfI Roads

Consultation Response

Application Ref: LA11/2019/0705/DETEIA*
Date of Response 30th September 2019

In response to consultation dated 21st August 2019 consisting of a scoping document, DfI Roads comments are as follows:

The 'Guidelines for the Environmental Assessment of Road Traffic' indicate two triggers to screen and limit the scale and extent of an assessment. These triggers are as follows:

1. Include highway links where traffic flows will increase by more than 30 percent; and
2. Include any other specifically sensitive areas where traffic flows have increased by 10 percent or more

It is for the Applicant/Agent to demonstrate that the transport impact of this application will or will not require inclusion in an Environmental Statement. This may be done through completion and submission/inclusion of a Transport Assessment Form and consequent Transport Assessment if then required.

DfI Roads will require details regarding delivery of materials from or through Northern Ireland. If any deliveries are anticipated via Northern Ireland, DfI Roads will require to be consulted on the Traffic Management Plan and agree an inspection scheme to establish the condition of the road network. If damage is caused to the road network and repairs are required, agreement will be required on how repairs will be undertaken by the Developer.

The provision of passing bays will require to be assessed by the Department along with any other road infrastructure improvements required to facilitate the delivery of materials and abnormal loads

*Issued on behalf of Development Control Section,
DfI Roads – Western Division*

L McWilliams

30th September 2019
Date

* As a non-statutory application, this consultation should not be subject to the planning authority's 21 day response target

Shared Environmental Service
County Hall
182 Galgorm Road
Ballymena
Co. Antrim
BT42 1QF

Date: 14/10/2019

Planning Reference: LA11/2019/0705/DETEIA

Location: 7.5k East of Buncrana Inishowen Donegal

Proposal: Proposed wind farm

Advice for planner:

NIEA, in its role as the Statutory Nature Conservation Body for Northern Ireland, is best placed to provide the advice/information as requested.

sharedenvironmentalservice@midandeastantrim.gov.uk

Derry City & Strabane District Council
98 Strand Road
Derry
BT48 7NN

25th November 2019

Dear Sir/Madam

Re: Planning Application LA11/2019/0705/DETEIA – proposed wind farm, 7.5km east of Bunrana, Inishowen, Co. Donegal.

Thank you for your recent correspondence dated 21st August 2019 in relation to the above-mentioned proposed development. The Loughs Agency is the statutory body charged with the conservation, protection and development of inland fisheries within the Foyle and Carlingford systems, the promotion of development of Loughs Foyle and Carlingford, and catchments for commercial and recreational purposes in respect of marine, fishery and aquaculture issues and the development of marine tourism.

Loughs Agency has considered the information provided in the application and note that they fall outside the geographical jurisdiction of the Agency. Accordingly, we will not be providing comment.

Yours sincerely



Dr Declan Lawlor CEnv

Environmental Officer (Loughs Agency)



Dear Sir/Madam

Civil Aviation Authority Scoping Opinion for Wind Turbine Applications

Only in cases where the CAA is statutorily consulted under the Electricity Act or the Planning Act will it provide a specific response to the application or scoping request. That said, if a Local Planning Authority (LPA) has **specific** questions relating to an application it is recommended that they contact the CAA at windfarms@caa.co.uk.

Scoping Opinion

When considering aviation effects, there are typically two aspects to consider; obstacles and electromagnetic impact including radar. Different aviation stake holders will be affected in different ways. Applicants should be made aware that several consultees act on a national basis.

Identifying Statutory Consultees

Both NATS (which provides En Route Air Traffic Control) and the Ministry of Defence (MoD) are statutory consultees under the Town and Country Planning Act. The impact on their infrastructure should be assessed within the Environmental Impact Assessment. The MoD currently provide a free service although demand is high leading to the need to allow sufficient time to respond, although this should be well within the timescales of other consultation requirements such as ecological or noise surveys. NATS provide a number of paid-for services and free self-assessment tools details of which can be found on their website. Both of these organisations need to be consulted in **all** cases.

There are also a number of officially safeguarded aerodromes which are defined in government circulars (listed at the end of this guidance). These may offer pre-planning services for which there may be a charge. Such aerodromes should have lodged safeguarding maps with LPA identifying the areas in which they need to be consulted. Due to the nature of their operations these areas may be in excess of 50km from the aerodrome.

Local Planning Authorities and applicants must note that if an objection is raised by any of the above, and consent is granted there is a possibility that the decision will be subject to 'call-in' by Ministers.

Identifying Non statutory Consultees

In addition to officially safeguarded Aerodromes there are several hundred other aerodromes in the United Kingdom. These may be Licensed or Unlicensed by the CAA. Associated Aerodrome Licence Holders or operators may have registered safeguarding maps with their LPAs. To verify the presence of aerodromes known to the CAA in any particular area, it is recommended that an aeronautical chart is purchased and the site of the turbine checked to see if it falls within the range of an aerodrome using the distances recommended in CAP

764. It is also recommended that Emergency Service Helicopter Support Units are consulted as they may operate in the area of concern and be affected by the introduction of tall obstacles.

Consideration of Electromagnetic Effects Including Radar and Radio Impacts

Almost uniquely among land developments wind turbines can be interpreted as moving objects by Air Traffic Control Radar. This can lead to impacts such as increased workload for Air Traffic Controllers, misidentification of tracks or loss of a genuine aircraft track, any of which could have safety implications. It is for this reason that consultation with the statutory consultees is essential in determining whether there is an operational impact on the radar system and if so, whether a mitigation can be agreed.

There may also be impacts upon other radio systems such as Air Ground Air communications and radio navigation beacons.

Consideration of Obstacle Aspects

As wind turbines are tall structures they can become obstacles to aviation. When in the vicinity of an aerodrome this will be assessed by the aerodrome itself. Away from an aerodrome, guidance for wind turbines is provided in CAP 764. The key blade tip heights to consider for developments away from an aerodrome are:

- 100 metres as there is an international requirement for all obstacles at 100m or more in height to be marked on aeronautical charts and listed in the UK Aeronautical Information Publication. This assists pilots to safely plan their flights to take into consideration the locations of tall obstacles. The national database of aeronautical obstacles is maintained by the Defence Geographic Centre.
- 150 metres at which the display of medium intensity aviation warning lights becomes mandatory as specified in Article 222 of the Air Navigation Order. There may also a requirement that the turbine is appropriately marked which would require the upper 2/3 of the turbine to be painted white. NB. Like any structure a wind turbine less than 150m in height might need to be lit / marked if, by virtue of their location and nature, it is considered a significant navigational hazard. If asked for comment, it would be unlikely that the CAA would have any issues associated with an aviation stakeholder (eg a local aerodrome operator or airspace operator) request for lighting / marking of any structure that was considered to be a significant hazard to air navigation.

Yours faithfully

Andy Wells

Policy Lead Spectrum and Surveillance Policy

Future Safety
Civil Aviation Authority

Tel: 0330 138 3166



*The effective height of a wind turbine is the maximum height to blade tip.

Civil Aviation Authority

Aviation House City Place Gatwick Airport South West Sussex RH6 0YR www.caa.co.uk

Telephone 0330 138 3166 E-mail windfarms@caa.co.uk

Planning Response Team
Klondyke Building
Gasworks Business Park
Cromac Avenue
Malone Lower
Belfast
BT7 2JA
Tel: 028 9056 9604

Date: 30 September 2019

Email: planningresponse.team@daera-ni.gov.uk

Dear Sir/Madam

Planning Application Ref.: LA11/2019/0705/DETEIA
Location: 7.5k east of Bunrana
Inishowen
Co Donegal
Proposal: Proposed wind farm

Thank you for your consultation on the above which was received by DAERA on 21/08/2019

We have reviewed the information provided and our environmental records in the vicinity of the proposed development.

Our comments are summarised below. Where provided, please also refer to additional details attached.

Drainage and water

Water Management Unit are of the opinion that, based on the information presented, impacts on the surface water environment generated by this proposal are unlikely to be significant subject to best practice and appropriate mitigation being applied during the construction, operation and decommissioning phases.

Land, Soil and Air

The Land and Groundwater Team (Regulation Unit) has considered the potential impacts of the proposal on the water environment (especially groundwater) within Northern Ireland. On the basis of the information provided the Land and Groundwater Team, Regulation Unit of the NIEA has no comment to make.

Natural Heritage and Conservation Areas

Based on the information submitted, NIEA Natural Environment Division considers that the proposal is likely to have significant environmental effects with regard to the Planning (Environmental Impact Assessment) Regulations (Northern Ireland) 2015.

If you wish to discuss anything raised in our response, please do not hesitate to contact Planning Response Team (details above).

Kind regards

Planning Response Team

On behalf of DAERA

Drainage & Water

Planning Reference: LA11/2019/0705/DETEIA

Section Reference: WMU/PC/ 30951-1

Baseline environmental information

Water quality baseline information can be obtained from NIEA's online information request web viewer:

<https://www.daera-ni.gov.uk/articles/information-requests>

Likely significant environmental effects

Water Management Unit has assessed the information presented in this proposal within the context of Water Management Unit's remit of surface water quality issues.

Water Management Unit are of the opinion that, based on the information presented, impacts on the surface water environment generated by this proposal are unlikely to be significant subject to best practice and appropriate mitigation being applied during the construction, operation and decommissioning phases.

Water Management Unit's comments are subject to the relevant environmental authorisations being granted.

Environmental information

Water Management Unit would direct the attention of the applicant / agent to all DAERA Standing Advice guidance documents;

The following DAERA Standing Advice in relation to the aquatic environment will be particularly relevant to this application:

- DAERA Standing Advice on Pollution Prevention Guidance;
- DAERA Standing Advice on Sustainable Drainage Systems;
- DAERA Standing Advice on Discharges to the Water Environment;
- DAERA Standing Advice on Culverting;
- DAERA Standing Advice on Commercial or Industrial Developments.

Available at: <https://www.daera-ni.gov.uk/publications/standing-advice-development-may-have-effect-water-environment-including-groundwater-and-fisheries>

Further guidance

Refer to:

- EIA Scoping Guidance for Developments Likely to Impact upon the Water Environment available at: <https://www.daera-ni.gov.uk/publications/scoping-guidance-developments-likely-impact-upon-water-environment-eia>

Environmental information required

Water Management Unit would also request that any future consultation clearly demonstrate the following:

- Clearly demonstrate how surface water will be dealt with at the site during both the construction phase and operational phases.
- Clear details of any proposed works in, near or liable to affect a watercourse*

- Clearly demonstrate compliance with all the relevant precepts contained in DAERA Standing Advice Pollution Prevention Guidance, and that best practice and appropriate mitigation is to be applied during the construction, operation and decommissioning phases.
- Details of how foul sewage will be disposed of both during the construction phase.

*The applicant should note the definition of a 'waterway' as defined under the NI Water Order:

"Waterway" includes any river, stream, watercourse, inland water (whether natural or artificial) or tidal waters and any channel or passage of whatever kind (whether natural or artificial) through which water flows. In this Order any reference to a waterway includes a reference to the channel or bed of a waterway which is for the time being dry.

If after scoping their proposal against the standing advice the applicant requires proposal specific advice then Water Management Unit will be happy to provide comment at that stage.

The applicant should be informed that it is an offence under the Water (Northern Ireland) Order 1999 to discharge or deposit, whether knowingly or otherwise, any poisonous, noxious or polluting matter so that it enters a waterway or water in any underground strata. Conviction of such an offence may incur a fine of up to £20,000 and / or three months imprisonment.

The applicant should ensure that measures are in place to prevent pollution of surface or groundwater as a result of the activities on site, both during construction and thereafter.

Land, Soil & Air

Section Reference: AE1/19/751315

Planning Reference: LA11/2019/0705/DETEIA

Considerations

The Land and Groundwater Team (Regulation Unit) has considered the potential impacts of the proposal on the water environment (especially groundwater) within Northern Ireland. On the basis of the information provided the Land and Groundwater Team, Regulation Unit of the NIEA has no comment to make.

Explanatory note

The explanatory note below is exhaustive but serves to capture key points in support of the Regulation Unit (RU) position outlined above. These comments are made on consideration of:

MKO: Glenard Wind Farm, Co. Donegal, Scoping Document, Project No. 190114, finalised in August 2019.

For this type of development the Land and Groundwater Team usually considers the potential impact of turbine foundations on groundwater flow paths and private water supplies, initially within a 1 km radius of the turbine foundations. The location of the site is approximately >5km from the Northern Ireland – Republic of Ireland border and therefore the Land and Groundwater team have no comment to make

No further consultation with the Land and Groundwater team of the NIEA is required for this development.

Planning Reference No.: LA11/2019/0705

Section Reference: CB28095

Baseline environmental information

Date of NED data check: 29/09/2019

- Within Whooper Swan Migration Route (Annex 1, Northern Ireland Priority Species, Amber list).
- Adjacent to a water body that is hydrologically linked to Lough Foyle Ramsar site, Area of Special Scientific Interest (ASSI) and Special Protection Area (SPA).

NIEA, Natural Environment Division (NED) can provide the following information to aid the Planning Authority in making their EIA determination.

Please note that this proposal is subject to the Conservation (Natural Habitats, etc) Regulations (Northern Ireland) 1995 (as amended) (known as the Habitats Regulations).

The application site is in close proximity to Lough Foyle which is of national and international importance and is protected by Conservation (Natural Habitats, etc) Regulations (Northern Ireland) 1995 (as amended).

Likely significant environmental effects

With the exception of the consideration of migratory flight paths, NED consider that the scope of the Environmental Impact Assessment to be undertaken as set out in the Scoping Document (Date stamped 19 August 2019 by Derry and Strabane District Council) is sufficient.

Based on the information submitted, NIEA Natural Environment Division (NED) considers that the proposal is likely to have significant environmental effects with regard to the Planning (Environmental Impact Assessment) Regulations (Northern Ireland) 2015.

Please note that NIEA have developed a range of standing advice and a biodiversity checklist that would assist with the consideration of potential impacts of planning proposals on natural heritage interests:

http://www.planningni.gov.uk/index/advice/northern_ireland_environment_agency_guidance/ni_biodiversity_checklist.pdf

http://www.planningni.gov.uk/index/advice/northern_ireland_environment_agency_guidance/standing_advice.htm .

We would also refer to the: BS 10175:2011 Code of practice for planning and biodiversity (British Standard Institute publication).