



## **APPENDIX 14-1**

**Ballivor Wind Farm Scoping  
Responses from IAA, Department  
of Defence, Telecommunication  
Operators**

## Shaun Doolin

---

**From:** Defence Property Management Planning  
<PropertyManagementPlanning@defence.ie>  
**Sent:** Friday 12 February 2021 16:48  
**To:** Karen Mulryan  
**Cc:** Gareth O'Flaherty (Defence); Sarah Zacharia (Defence)  
**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Good afternoon Karen,

We wish to acknowledge receipt of your e-mail for a proposed Windfarm Development at Ballivor, Meath/Westmeath.

We will consult with our Military colleagues and revert in due course.

Best regards

Don

**Don Watchorn**

*Property Management Branch*

**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 492199  
E-mail [don.watchorn@defence.ie](mailto:don.watchorn@defence.ie)

---

**From:** Karen Mulryan <kmulryan@mkoireland.ie>  
**Sent:** Friday 12 February 2021 15:26  
**To:** Raymond Myles (Defence) <Raymond.Myles@defence.ie>; Defence Property Management Planning <PropertyManagementPlanning@defence.ie>  
**Cc:** Gareth O'Flaherty (Defence) <Gareth.OFlaherty@defence.ie>  
**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Good afternoon,

I previously contacted you with a proposed wind farm development at Ballivor on the Meath/Westmeath border. Please see attached the proposed final turbine locations for your records. If you have any comments, please let us know.

Kind regards,

Karen.



Karen Mulryan  
Environmental Scientist

**MKO**  
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Ireland, H91 VW84  
+353 (0) 91 735611  
[www.mkoireland.ie](http://www.mkoireland.ie)



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---

**From:** Karen Mulryan <[kmulryan@mkoireland.ie](mailto:kmulryan@mkoireland.ie)>  
**Sent:** Thursday 7 May 2020 17:43  
**To:** [Raymond.Myles@defence.ie](mailto:Raymond.Myles@defence.ie)  
**Cc:** Gareth O'Flaherty <[Gareth.O'Flaherty@defence.ie](mailto:Gareth.O'Flaherty@defence.ie)>; [eilish.keating@defence.ie](mailto:eilish.keating@defence.ie)  
**Subject:** 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Good afternoon,

MKO is preparing an Environmental Impact Assessment Report (EIAR) for a proposed Bórd na Móna Powergen Ltd wind energy development at Ballivor and the surrounding townlands located at the Meath-Westmeath border. The proposed development will be located on 5 bogs and will be referred to as the Ballivor Wind Farm. The site is located approximately 2.2km west of Ballivor Village, Co. Meath, and 3.7km east of Raharney and 2.5km south-southeast of Devlin, which are both located in Co. Westmeath.

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As part of the EIA process, we would welcome any comments that you may 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,

Karen.

## Shaun Doolin

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**From:** Defence Property Management Planning  
<PropertyManagementPlanning@defence.ie>  
**Sent:** Friday 19 February 2021 17:06  
**To:** Karen Mulryan  
**Cc:** Gareth O'Flaherty (Defence); Sarah Zacharia (Defence)  
**Subject:** FW: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Good evening Karen,

In response to your e-mail below re. proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Having consulted with our Air Corps colleagues, The Department of Defence would like to make the following observations:

1. All turbines or tall structures, should be illuminated by high intensity obstacle lights that will allow the hazard be identified and avoided by aircraft in flight.
2. Obstruction lights used should be incandescent or of a type visible to Night Vision Equipment. Obstruction lighting fitted to obstacles must emit light at the near Infra-Red (IR) range of the electromagnetic spectrum specifically at or near 850nanometres (nm) of wavelength. Light intensity to be of similar value to that emitted in the visible spectrum of light.
3. Due to the nature of flight operations by the Irish Air Corps the above mentioned are separate to any ICAO and IAA lighting requirements.

Please contact me if you have any queries in this regard.

Best regards

Don

**Don Watchorn**

*Property Management Branch*

**An Roinn Cosanta**

*Department of Defence*

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

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Kind regards,

Karen.



Karen Mulryan  
Environmental Scientist

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**Cc:** Gareth O'Flaherty <[Gareth.O'Flaherty@defence.ie](mailto:Gareth.O'Flaherty@defence.ie)>; [eilish.keating@defence.ie](mailto:eilish.keating@defence.ie)

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Kind Regards,

Karen.



Karen Mulryan  
Environmental Scientist

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[www.mkoireland.ie](http://www.mkoireland.ie)



## Shaun Doolin

---

**From:** O'BRIEN Christophe <Christophe.O'BRIEN@IAA.ie>  
**Sent:** Monday 15 February 2021 11:11  
**To:** Karen Mulryan  
**Cc:** Planning  
**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Good morning Karen,

Thank you for the email and the additional materials.

Based on the information provided and the turbines appear to be positioned in excess of 10km radius from Athboy Aerodrome, the Authority has no specific requirements for integration into the Environmental Impact Assessment Report.

Should this proposal proceed to a formal planning application, the Authority will make the general observations that in the event of planning consent being granted, the applicant should be conditioned to contact the Irish Aviation Authority to: (1) agree an aeronautical obstacle warning light scheme for the wind farm development, (2) provide as-constructed coordinates in WGS84 format together with ground and tip height elevations at each wind turbine location and (3) notify the Authority of intention to commence crane operations with at least 30 days prior notification of their erection.

Best Regards,

Christophe

*Christophe O'Brien*  
Aerodromes Inspector  
Safety Regulation Division  
Irish Aviation Authority  
T: + 353 (1) 603 1492  
M: + 353 86 33 22022  
E: [christophe.o'brien@iaa.ie](mailto:christophe.o'brien@iaa.ie)



---

**From:** Karen Mulryan <kmulryan@mkoireland.ie>  
**Sent:** Friday 12 February 2021 13:06  
**To:** O'BRIEN Christophe <Christophe.O'BRIEN@IAA.ie>  
**Cc:** Planning <planning@iaa.ie>  
**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

**\* This message originated from outside the Irish Aviation Authority. Please treat hyperlinks, attachments and instructions in this email with caution. \***

Hi Cristophe,

Please see attached. The propose Tip height is 200m.

Kind regards,

Karen.



Karen Mulryan  
Environmental Scientist

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---

**From:** O'BRIEN Christophe <Christophe.O'BRIEN@IAA.ie>  
**Sent:** Friday 12 February 2021 11:10  
**To:** Karen Mulryan <[kmulryan@mkoireland.ie](mailto:kmulryan@mkoireland.ie)>  
**Cc:** Planning <[planning@iaa.ie](mailto:planning@iaa.ie)>  
**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Hi Karen,

Thank you for your email, do you have pdf versions of the files that you could forward?

A table with the WGS-84 coordinates, the blade tip height and the elevation of each proposed turbine would also be very useful in terms of reviewing the proposal.

Best Regards,

Christophe

*Christophe O'Brien*  
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Safety Regulation Division  
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M: + 353 86 33 22022  
E: [christophe.o'brien@iaa.ie](mailto:christophe.o'brien@iaa.ie)



---

**From:** Karen Mulryan <[kmulryan@mkoireland.ie](mailto:kmulryan@mkoireland.ie)>  
**Sent:** Friday 12 February 2021 11:00  
**To:** O'BRIEN Christophe <Christophe.O'BRIEN@IAA.ie>



Cc: Planning <[planning@iaa.ie](mailto:planning@iaa.ie)>

**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

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Good morning Christophe,

I previously contacted you with a proposed wind farm development at Ballivor on the Meath/Westmeath border. Please see attached the proposed turbine locations for your records.  
If you have any comments, please let us know.

Kind regards,

Karen.



Karen Mulryan  
Environmental Scientist

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**From:** O'BRIEN Christophe <[Christophe.O'BRIEN@IAA.ie](mailto:Christophe.O'BRIEN@IAA.ie)>

**Sent:** Friday 8 May 2020 14:48

**To:** Karen Mulryan <[kmulryan@mkoireland.ie](mailto:kmulryan@mkoireland.ie)>

**Cc:** Planning <[planning@iaa.ie](mailto:planning@iaa.ie)>

**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Good afternoon Karen,

Your email was forwarded to me by my colleague Audrey in Corporate Affairs.

I note the centroid coordinate provided in the study, do you have a contour map / WHS-84 coordinates at this stage giving the indicative positions of the turbines?

You are relatively proximate to the licensed aerodrome of Athboy, also known as Ballyboy airfield. We would be particularly keen to understand the likely most North – Westerly positioned turbine on this basis as it may have an impact on aircraft operations at the aerodrome.

Can you please provide further information in this regard?

Best Regards,

Christophe

*Christophe O'Brien*

Aerodromes Inspector  
Safety Regulation Division  
Irish Aviation Authority  
T: + 353 (1) 603 1492  
M: + 353 86 33 22022  
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---

**From:** Karen Mulryan <[kmulryan@mkoireland.ie](mailto:kmulryan@mkoireland.ie)>

**Sent:** 08 May 2020 09:54

**To:** IAA INFORMATION <[iaainfo@IAA.ie](mailto:iaainfo@IAA.ie)>; RAFFERTY Audrey <[audrey.rafferty@iaa.ie](mailto:audrey.rafferty@iaa.ie)>

**Subject:** 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Good afternoon,

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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,

Karen.



Karen Mulryan  
Environmental Scientist

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## Shaun Doolin

---

**From:** O'BRIEN Christophe <Christophe.O'BRIEN@IAA.ie>  
**Sent:** Wednesday 12 May 2021 15:37  
**To:** Shaun Doolin  
**Cc:** Planning; Karen Mulryan  
**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Good afternoon Shaun,

Thank you for the email and the updated materials.

Based on the information provided and that the turbines continue to appear to be positioned in excess of 10km radius from Athboy Aerodrome, the Authority has no specific requirements for integration into the Environmental Impact Assessment Report.

Should this proposal proceed to a formal planning application, the Authority will make the general observations that in the event of planning consent being granted, the applicant should be conditioned to contact the Irish Aviation Authority to: (1) agree an aeronautical obstacle warning light scheme for the wind farm development, (2) provide as-constructed coordinates in WGS84 format together with ground and tip height elevations at each wind turbine location and (3) notify the Authority of intention to commence crane operations with at least 30 days prior notification of their erection.

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**From:** Shaun Doolin <sdoolin@mkoireland.ie>  
**Sent:** Friday 7 May 2021 16:01  
**To:** O'BRIEN Christophe <Christophe.O'BRIEN@IAA.ie>  
**Cc:** Planning <planning@iaa.ie>; Karen Mulryan <kmulryan@mkoireland.ie>  
**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

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Good afternoon,

Since we last contacted you regarding the proposed Ballivor Wind Farm, two turbines have moved slightly in the northeast of the site. Turbine 19 has moved 25m north, while Turbine 20 has move 110m northwest. Please see the attached PDF of the final turbine locations, along with a spreadsheet containing location coordinates in ITM, Irish Grid and WGS84 reference systems. I have highlighted the two repositioned turbines in the spreadsheet and have also attached a KML for convenience.

Please feel free to contact us if you have any comments or queries.

Kind regards,  
Shaun



Shaun Doolin  
Graduate Environmental Scientist

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Good morning Karen,

Thank you for the email and the additional materials.

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Environmental Scientist

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**Cc:** Planning <[planning@iaa.ie](mailto:planning@iaa.ie)>  
**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

**\* This message originated from outside the Irish Aviation Authority. Please treat hyperlinks, attachments and instructions in this email with caution. \***

Good morning Christophe,

I previously contacted you with a proposed wind farm development at Ballivor on the Meath/Westmeath border. Please see attached the proposed turbine locations for your records.  
If you have any comments, please let us know.

Kind regards,

Karen.



Karen Mulryan  
Environmental Scientist

**MKO**  
Tuam Road, Galway  
Ireland, H91 VW84  
+353 (0) 91 735611  
[www.mkoireland.ie](http://www.mkoireland.ie)



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**From:** O'BRIEN Christophe <Christophe.O'BRIEN@IAA.ie>  
**Sent:** Friday 8 May 2020 14:48  
**To:** Karen Mulryan <[kmulryan@mkoireland.ie](mailto:kmulryan@mkoireland.ie)>  
**Cc:** Planning <[planning@iaa.ie](mailto:planning@iaa.ie)>  
**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Good afternoon Karen,

Your email was forwarded to me by my colleague Audrey in Corporate Affairs.

I note the centroid coordinate provided in the study, do you have a contour map / WHS-84 coordinates at this stage giving the indicative positions of the turbines?

You are relatively proximate to the licensed aerodrome of Athboy, also known as Ballyboy airfield. We would be particularly keen to understand the likely most North – Westerly positioned turbine on this basis as it may have an impact on aircraft operations at the aerodrome.

Can you please provide further information in this regard?

Best Regards,

Christophe

*Christophe O'Brien*  
Aerodromes Inspector  
Safety Regulation Division  
Irish Aviation Authority  
T: + 353 (1) 603 1492  
M: + 353 86 33 22022  
E: [christophe.o'brien@iaa.ie](mailto:christophe.o'brien@iaa.ie)



---

**From:** Karen Mulryan <[kmulryan@mkoireland.ie](mailto:kmulryan@mkoireland.ie)>  
**Sent:** 08 May 2020 09:54  
**To:** IAA INFORMATION <[iaainfo@IAA.ie](mailto:iaainfo@IAA.ie)>; RAFFERTY Audrey <[audrey.rafferty@iaa.ie](mailto:audrey.rafferty@iaa.ie)>  
**Subject:** 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Good afternoon,

MKO is preparing an Environmental Impact Assessment Report (EIAR) for a proposed Bórd na Móna Powergen Ltd wind energy development at Ballivor and the surrounding townlands located at the Meath-Westmeath border. The proposed development will be located on 5 bogs and will be referred to as the Ballivor Wind Farm. The site is located approximately 2.2km west of Ballivor Village, Co. Meath, and 3.7km east of Raharney and 2.5km south-southeast of Devlin, which are both located in Co. Westmeath.

The proposed project will likely encompass 25-35 turbines and will have an output of at least 50megawatts. Should the project be of this scale, an application will be made to An Bord Planeála seeking a determination in relation to the SID status, or otherwise, of the proposed wind energy development. If the board determine that the development is indeed SID, the planning application will be submitted directly to An Bord Planeála, under the provision of the Planning and Development (Strategic Infrastructure) Act 2006. Should the project be of a scale

lower than the SID thresholds, an application for planning permission will be made to Meath and Westmeath County Councils.

As part of the EIA process, we would welcome any comments that you may 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,

Karen.



Karen Mulryan  
Environmental Scientist

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[www.mkofireland.ie](http://www.mkofireland.ie)



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=====



## Shaun Doolin

---

**From:** Marcin Skupski <Marcin.Skupski@viatel.com>  
**Sent:** Tuesday 16 February 2021 11:18  
**To:** Karen Mulryan; newbuild  
**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Hi Karen,

Thank you for your email, I have no comments here. Good luck with you development.

Regards,  
**Marcin Skupski**  
Build and Maintenance Team Leader

T: 086 832 0724  
M: [marcin.skupski@viatel.com](mailto:marcin.skupski@viatel.com)

[www.viatel.com](http://www.viatel.com)



---

**From:** Karen Mulryan <kmulryan@mkoireland.ie>  
**Sent:** Friday 12 February 2021 10:52  
**To:** Marcin Skupski <Marcin.Skupski@viatel.com>; newbuild <newbuild@viatel.com>  
**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Good morning Marcin,

I previously contacted you with a proposed wind farm development at Ballivor on the Meath/Westmeath border. I do not believe there are any link issues with the site; however, I would like to send you the proposed final turbine locations for your records.

Please see attached. If you have any comments, please let us know.

Kind regards,

Karen.



Karen Mulryan  
Environmental Scientist

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



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---

**From:** Marcin Skupski <[Marcin.Skupski@viatel.com](mailto:Marcin.Skupski@viatel.com)>

**Sent:** Friday 22 May 2020 09:30

**To:** Karen Mulryan <[kmulryan@mkofireland.ie](mailto:kmulryan@mkofireland.ie)>; newbuild <[newbuild@viatel.com](mailto:newbuild@viatel.com)>

**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Hi Karen,

Apologies for late reply. This development shouldn't interfere with Viatel's wireless network.

**Marcin Skupski**

Build and Maintenance Team Leader

T: 086 832 0724

M: [marcin.skupski@viatel.com](mailto:marcin.skupski@viatel.com)

[www.viatel.com](http://www.viatel.com)



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**From:** Karen Mulryan <[kmulryan@mkofireland.ie](mailto:kmulryan@mkofireland.ie)>

**Sent:** Friday 8 May 2020 17:05

**To:** newbuild <[newbuild@viatel.com](mailto:newbuild@viatel.com)>

**Subject:** 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Good afternoon,

MKO is preparing an Environmental Impact Assessment Report (EIAR) for a proposed Bórd na Móna Powergen Ltd wind energy development at Ballivor and the surrounding townlands located at the Meath-Westmeath border. The proposed development will be located on 5 bogs and will be referred to as the Ballivor Wind Farm. The site is located approximately 2.2km west of Ballivor Village, Co. Meath, and 3.7km east of Raharney and 2.5km south-southeast of Devlin, which are both located in Co. Westmeath.

The proposed project will likely encompass 25-35 turbines and will have an output of at least 50megawatts. Should the project be of this scale, an application will be made to An Bord Planeála seeking a determination in relation to the SID status, or otherwise, of the proposed wind energy development. If the board determine that the development is indeed SID, the planning application will be submitted directly to An Bord Planeála, under the provision of the Planning and Development (Strategic Infrastructure) Act 2006. Should the project be of a scale lower than the SID thresholds, an application for planning permission will be made to Meath and Westmeath County Councils.

As part of the EIA process, we would welcome any comments that you may 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,

Karen.



Karen Mulryan  
Environmental Scientist

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## Shaun Doolin

---

**From:** Roger Woods <rwoods@bai.ie>  
**Sent:** Monday 11 May 2020 09:51  
**To:** Karen Mulryan  
**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Hi Karen

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

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---

**From:** Karen Mulryan <kmulryan@mkoireland.ie>  
**Sent:** Thursday 7 May 2020 17:21  
**To:** Roger Woods <rwoods@bai.ie>  
**Subject:** 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Good afternoon,

MKO is preparing an Environmental Impact Assessment Report (EIAR) for a proposed Bórd na Móna Powergen Ltd wind energy development at Ballivor and the surrounding townlands located at the Meath-Westmeath border. The proposed development will be located on 5 bogs and will be referred to as the Ballivor Wind Farm. The site is located approximately 2.2km west of Ballivor Village, Co. Meath, and 3.7km east of Raharney and 2.5km south-southeast of Devlin, which are both located in Co. Westmeath.

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As part of the EIA process, we would welcome any comments that you may 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,

Karen.



Karen Mulryan  
Environmental Scientist

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## Shaun Doolin

---

**From:** John Bagnall <[john.bagnall@eir.ie](mailto:john.bagnall@eir.ie)>  
**Sent:** Friday 14 May 2021 10:57  
**To:** Shaun Doolin  
**Cc:** Karen Mulryan; Mobile Networks TXN  
**Subject:** Re: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Hi Shaun,

The new turbine positions are fine, best of luck with the development.

Kind regards,



**John Bagnall**

Transmission Design & Engineering

M: +353 85 1053746

E: [john.bagnall@eir.ie](mailto:john.bagnall@eir.ie)

Address: EirCode - D24 HX03

On Fri, 7 May 2021 at 15:57, Shaun Doolin <[sdoolin@mkoireland.ie](mailto:sdoolin@mkoireland.ie)> wrote:

Good afternoon,

Since we last contacted you regarding the proposed Ballivor Wind Farm, two turbines have moved slightly in the northeast of the site. Turbine 19 has moved 25m north, while Turbine 20 has move 110m northwest. Please see the attached PDF of the final turbine locations, along with a spreadsheet containing location coordinates in ITM, Irish Grid and WGS84 reference systems. I have highlighted the two repositioned turbines in the spreadsheet and have also attached a KML for convenience.

Please feel free to contact us if you have any comments or queries.

Kind regards,

Shaun

## Shaun Doolin

---

**From:** John Bagnall <[john.bagnall@eir.ie](mailto:john.bagnall@eir.ie)>  
**Sent:** Friday 12 February 2021 13:39  
**To:** Karen Mulryan  
**Subject:** Re: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Hi Karen,

The plotted 26 turbines are fine and dont impact the Eir mobile network. Best of luck with your proposal.

Kind regards,



**John Bagnall**

Transmission Design & Engineering

M: +353 85 1053746

E: [john.bagnall@eir.ie](mailto:john.bagnall@eir.ie)

Address: EirCode - D24 HX03

On Fri, 12 Feb 2021 at 10:45, Karen Mulryan <[kmulryan@mkoireland.ie](mailto:kmulryan@mkoireland.ie)> wrote:

Good morning,

I previously contacted you with a proposed wind farm development at Ballivor on the Meath/Westmeath border. I do not believe there are any ESB issues with the site; however, I would like to send you the proposed final turbine locations for your records.

Please see attached. If you have any comments, please let us know.

Kind regards,

Karen.

## Shaun Doolin

---

**From:** John Bagnall <john.bagnall@eir.ie>  
**Sent:** Friday 15 May 2020 07:20  
**To:** Karen Mulryan  
**Cc:** Mobile Networks TXN  
**Subject:** Re: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Hi Karen,

We have three transmission links within the proposed area that could be at risk, the end points of the transmission link is below, for windfarm developments we would keep a buffer of 100meters radius away from this transmission path as always.

The link endpoints are below if you could incorporate them into your analysis when plotting the turbines locations.

Link 1 – End point 1 - 53°32'32.94"N 6°59'58.28"W , End point 2 – 53°38'33.12"N 7° 7'16.93"W

Link 2 – End point 1 - 53°32'32.94"N 6°59'58.28"W , End point 2 – 53°34'10.92"N 6°53'51.15"W

Link 3 – End point 1 - 53°32'32.94"N 6°59'58.28"W , End point 2 – 53°32'47.03"N 6°47'45.02"W

Please send future windfarm development analysis and large infrastructure project request to [MobileNetworksTXN@eir.ie](mailto: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](mailto:john.bagnall@eir.ie)

Address: EirCode - D24 HX03

On Thu, 7 May 2020 at 17:50, Karen Mulryan <[kmulryan@mkoireland.ie](mailto:kmulryan@mkoireland.ie)> wrote:

Good afternoon,

MKO is preparing an Environmental Impact Assessment Report (EIAR) for a proposed Bórd na Móna Powergen Ltd wind energy development at Ballivor and the surrounding townlands located at the Meath-Westmeath border. The proposed development will be located on 5 bogs and will be referred to as the Ballivor Wind Farm. The site is located approximately 2.2km west of Ballivor Village, Co. Meath, and 3.7km east of Raharney and 2.5km south-southeast of Devlin, which are both located in Co. Westmeath.

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the SID status, or otherwise, of the proposed wind energy development. If the board determine that the development is indeed SID, the planning application will be submitted directedly to An Bord Planeála, under the provision of the Planning and Development (Strategic Infrastructure) Act 2006. Should the project be of a scale lower than the SID thresholds, an application for planning permission will be made to Meath and Westmeath County Councils.

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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,

Karen.



Karen Mulryan  
Environmental Scientist

**MKO**

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## Shaun Doolin

---

**From:** Thomas Sheridan <thomas.sheridan@eir.ie>  
**Sent:** Thursday 18 February 2021 16:53  
**To:** Karen Mulryan  
**Subject:** Re: 191137 Proposed Ballivor Wind Farm

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Hi Karen,

I have checked the proposed wind turbine locations as detailed below and I don't expect them to have any impact on the eircom LTD fixed line microwave radio network.

X	Y	X	Y	LABEL
265859.5	252173.3	665796.3	752196	A
265224.6	253488.3	665161.6	753510.8	B
264038.5	253098.9	663975.7	753121.5	C
264392.3	253696.6	664329.5	753719	D
263846	252429.3	663783.2	752452	E
264564.8	252669.3	664501.9	752691.9	F
265527.5	259828.7	665464.4	759849.8	G
264085.8	259531.6	664023	759552.7	H
264807	259706.2	664744.1	759727.3	I
265091	259150.8	665028	759172	J
265946.9	258523.3	665883.8	758544.6	K
264336.8	259032.4	664273.9	759053.6	L
265184.5	258473.9	665121.5	758495.3	M
266046.6	252942.2	665983.4	752964.8	N
264685.5	251983.9	664622.5	752006.7	O
265991.2	251671	665928	751693.8	P
262657.3	257783.6	662594.8	757805.2	Q
261570.3	257032.2	661508.1	757053.9	R
262064.4	256782.6	662002	756804.4	S
263536.6	257474.1	663474	757495.7	T
262827.4	257301.7	662764.9	757323.3	U

Best Regards,  
Thomas Sheridan.

On Fri, Feb 12, 2021 at 11:21 AM Karen Mulryan <[kmulryan@mkoireland.ie](mailto:kmulryan@mkoireland.ie)> wrote:

Hi Thomas,

Please see attached.

Kind regards,

Karen.



Karen Mulryan  
Environmental Scientist

**MKO**

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---

**From:** Thomas Sheridan <[thomas.sheridan@eir.ie](mailto:thomas.sheridan@eir.ie)>

**Sent:** Friday 12 February 2021 11:16

**To:** Karen Mulryan <[kmulryan@mkoireland.ie](mailto:kmulryan@mkoireland.ie)>

**Subject:** Re: 191137 Proposed Ballivor Wind Farm

Hi Karen,

Can you please send me the wind turbine locations in Irish Grid format.

Best Regards,

Thomas Sheridan

On Fri, Feb 12, 2021 at 10:53 AM Karen Mulryan <[kmulryan@mkoireland.ie](mailto:kmulryan@mkoireland.ie)> wrote:

Good morning Thomas,

I previously contacted you with a proposed wind farm development at Ballivor on the Meath/Westmeath border. Please see attached the proposed final turbine locations for your records.

If you have any comments, please let us know.

Kind regards,

Karen.



Karen Mulryan  
Environmental Scientist

**MKO**

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## Shaun Doolin

---

**From:** Thomas Sheridan <thomas.sheridan@eir.ie>  
**Sent:** Wednesday 30 September 2020 11:48  
**To:** Karen Mulryan  
**Subject:** Re: 191137 Proposed Ballivor Wind Farm

Hi Karen,

It looks extremely likely that this radio link will be ceased.

Regards,  
Thomas

On Tue, Sep 29, 2020 at 1:14 PM Thomas Sheridan <[thomas.sheridan@eir.ie](mailto:thomas.sheridan@eir.ie)> wrote:  
Karen,

I expect the radio to be removed but a definite decision has not been made yet.

Regards,  
Thomas

On Tue, Sep 29, 2020 at 1:02 PM Karen Mulryan <[kmulryan@mkoireland.ie](mailto:kmulryan@mkoireland.ie)> wrote:

Hi Thomas,

Thanks for the below. Can you confirm this link will be removed or its it tentative for now? As the WF application process and time to construction and operation can take a few years, if it this link due to be removed then there is the possibility we wont need to constrain it out.

Kind regards,

Karen.



Karen Mulryan  
Environmental Scientist

**MKO**

Tuam Road, Galway

Ireland, H91 VW84

+353 (0) 91 735611

[www.mkoireland.ie](http://www.mkoireland.ie)



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---

**From:** Thomas Sheridan <[thomas.sheridan@eir.ie](mailto:thomas.sheridan@eir.ie)>

**Sent:** Tuesday 29 September 2020 12:46

**To:** Karen Mulryan <[kmulryan@mkoireland.ie](mailto:kmulryan@mkoireland.ie)>

**Subject:** Re: 191137 Proposed Ballivor Wind Farm

Hi Karen,

It would be ideal to have 100m clearance from the blade tip to the radio path boundary. This is sometimes reduced to 30m after determining precise gps locations of the radio endpoints.

In this case it looks likely that this radio will be removed in the next year or two.

Regards,

Thomas Sheridan

From

On Tue, Sep 29, 2020 at 11:54 AM Karen Mulryan <[kmulryan@mkoireland.ie](mailto:kmulryan@mkoireland.ie)> wrote:

Hi Thomas,

What set back distance do you require for this link?

Kind regards,

Karen.



Karen Mulryan  
Environmental Scientist

**MKO**

Tuam Road, Galway

Ireland, H91 VW84

+353 (0) 91 735611

[www.mkoireland.ie](http://www.mkoireland.ie)



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---

**From:** Thomas Sheridan <[thomas.sheridan@eir.ie](mailto:thomas.sheridan@eir.ie)>

**Sent:** Tuesday 29 September 2020 11:48

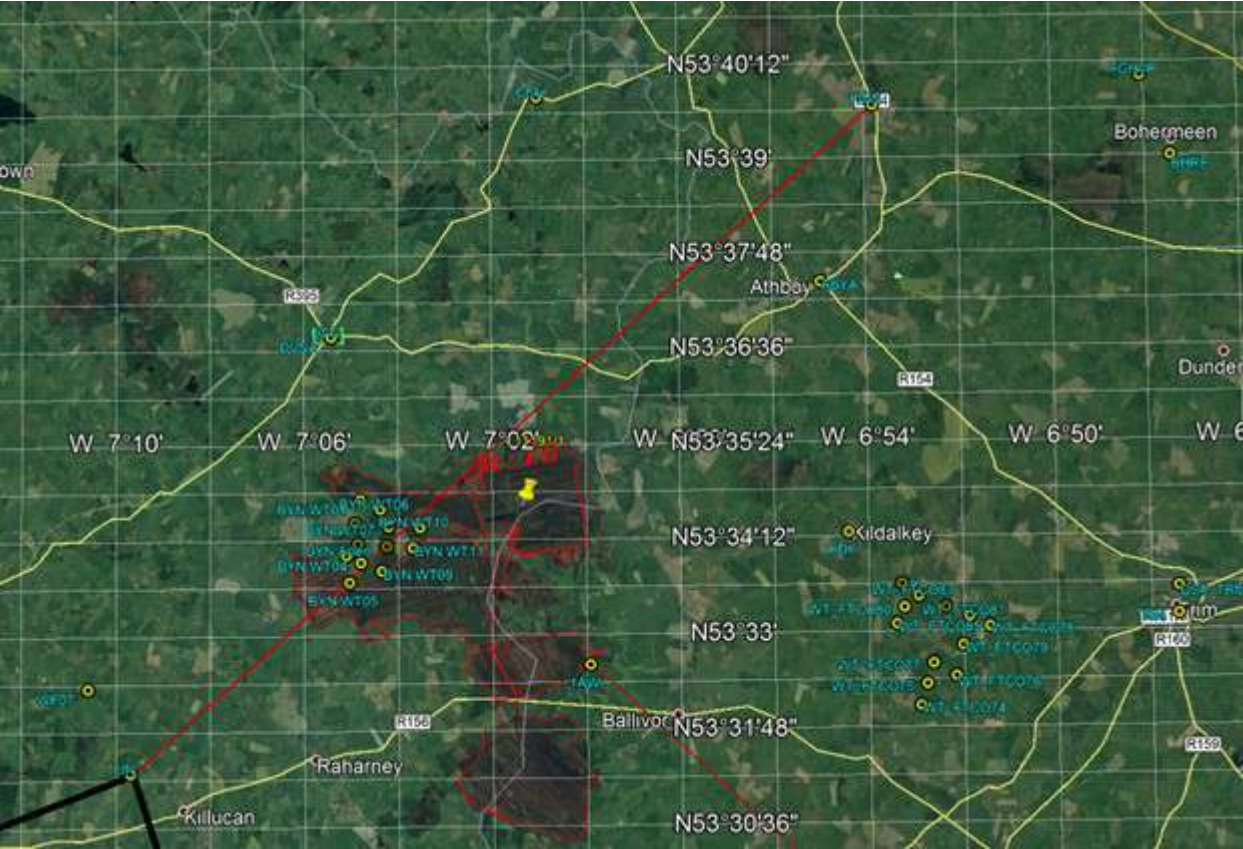
**To:** Karen Mulryan <[kmulryan@mkoireland.ie](mailto:kmulryan@mkoireland.ie)>

**Subject:** Re: 191137 Proposed Ballivor Wind Farm

Hi Karen,

The radio link path detailed below passes through the site.

licence no		Eastings	Northings		Eastings	Northings
PP11191/1	Fordstown	273000	268460	Killucan	255700	252850



Best Regards,  
Thomas Sheridan

On Tue, Sep 29, 2020 at 9:22 AM Karen Mulryan <[kmulryan@mkoireland.ie](mailto:kmulryan@mkoireland.ie)> wrote:

Hi Thomas,

Please see attached.



Thanks,

Karen.



Karen Mulryan  
Environmental Scientist

**MKO**

Tuam Road, Galway

Ireland, H91 VW84

+353 (0) 91 735611

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---

**From:** Thomas Sheridan <[thomas.sheridan@eir.ie](mailto:thomas.sheridan@eir.ie)>

**Sent:** Monday 28 September 2020 16:57

**To:** Karen Mulryan <[kmulryan@mkoireland.ie](mailto:kmulryan@mkoireland.ie)>

**Subject:** Re: 191137 Proposed Ballivor Wind Farm

Hi Karen,

Can you please send me the site boundary details in kmz format.

Best Regards,

Thomas Sheridan

On Fri, Sep 25, 2020 at 1:36 PM Karen Mulryan <[kmulryan@mkoireland.ie](mailto:kmulryan@mkoireland.ie)> wrote:

Hi Thomas,

I am hoping you can help me. John Bagnall gave me your contact details. We are looking at the attached site for a proposed wind farm development and would like to know if you have any Openair links in the area that may be impacted. If you could provide coordinates of any in the area and recommended set back distances from them it would be greatly appreciated.

Kind regards,

Karen.



Karen Mulryan  
Environmental Scientist

**MKO**

Tuam Road, Galway

Ireland, H91 VW84

+353 (0) 91 735611

[www.mkoireland.ie](http://www.mkoireland.ie)



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## Shaun Doolin

---

**From:** Matthew Craig <matthew.craig@2rn.ie>  
**Sent:** Friday 7 May 2021 16:05  
**To:** Shaun Doolin  
**Cc:** Johnny Evans; windfarms@rte.ie; Karen Mulryan  
**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Hi Shaun,

Thanks for the update the turbine that is of most concern for us is T16.  
Its location at the moment is OK but I would be concerned should it move any further to the north-east.

Regards

**Matthew Craig**

Project Engineer  
Projects and Coverage Planning  
2RN  
Block B, Cookstown Court, Old Belgard Road, Tallaght, Dublin 24, Ireland D24 WK28  
Phone: + 353 (0) 1 2082261 Mobile: + 353 (0) 87 7509955

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---

**From:** Shaun Doolin <sdoolin@mkoireland.ie>  
**Sent:** 07 May 2021 15:47  
**To:** Matthew Craig <matthew.craig@2rn.ie>  
**Cc:** Johnny Evans <Johnny.Evans@2rn.ie>; windfarms@rte.ie; Karen Mulryan <kmulryan@mkoireland.ie>  
**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Good afternoon,

Since we last contacted you regarding the proposed Ballivor Wind Farm, two turbines have moved slightly in the northeast of the site. Turbine 19 has moved 25m north, while Turbine 20 has move 110m northwest. Please see the attached PDF of the final turbine locations, along with a spreadsheet containing location coordinates in ITM, Irish Grid and WGS84 reference systems. I have highlighted the two repositioned turbines in the spreadsheet and have also attached a KML for convenience.

Please feel free to contact us if you have any comments or queries.

Kind regards,  
Shaun



Shaun Doolin  
Graduate Environmental Scientist

**MKO**  
Tuam Road, Galway  
Ireland, H91 VW84  
+353 (0) 91 735611  
[www.mkoireland.ie](http://www.mkoireland.ie)

## Shaun Doolin

---

**From:** Matthew Craig <matthew.craig@2rn.ie>  
**Sent:** Monday 11 May 2020 14:57  
**To:** Karen Mulryan; Johnny Evans  
**Cc:** windfarms@rte.ie  
**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Hi Karen,

We request a corridor of 380m for links at this frequency.

Regards

**Matthew Craig**

Project Engineer  
Projects and Coverage Planning  
2RN  
Block B, Cookstown Court, Old Belgard Road, Tallaght, Dublin 24, Ireland  
D24 WK28  
Phone: + 353 (0) 1 2082261  
Mobile: + 353 (0) 87 7509955

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**From:** Karen Mulryan <kmulryan@mkoireland.ie>  
**Sent:** 11 May 2020 12:56  
**To:** Matthew Craig <matthew.craig@2rn.ie>; Johnny Evans <Johnny.Evans@2rn.ie>  
**Cc:** windfarms@rte.ie  
**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Hi Matthew,

Do you have a set back distance for your links?

Thanks,

Karen.



Karen Mulryan  
Environmental Scientist

**MKO**  
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Ireland, H91 VW84  
+353 (0) 91 735611  
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**From:** Matthew Craig <[matthew.craig@2rn.ie](mailto:matthew.craig@2rn.ie)>

**Sent:** 08 May 2020 11:17

**To:** Karen Mulryan <[kmulryan@mkoireland.ie](mailto:kmulryan@mkoireland.ie)>; Johnny Evans <[Johnny.Evans@2rn.ie](mailto:Johnny.Evans@2rn.ie)>

**Cc:** [windfarms@rte.ie](mailto:windfarms@rte.ie)

**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Hi Karen,

We have a signal path running between our site at Three Rock and Cairn Hill that passes through the middle of the proposed site.

The details are in the table below:

Site	Lat	Long	Ant Height(AMSL)	Frequency (MHz)
Three Rock	53.244.455	-6.238.067	577	546
Cairn Hill	53.807.227	-7.715.351	295	

I have also attached a KMZ file with the proposed windfarm outline, the path and two 180m tip height turbines at the beginning and end of where the path passes through.

There is also a risk of interference to DTT viewers in the area we suggest that a protocol be signed with the developer should the site go ahead.

Could you please let me know if you have any further information as to the height and location of the turbines we will be able to complete a more detailed assessment.

Regards

**Matthew Craig**

Project Engineer

Projects and Coverage Planning

2RN

Block B, Cookstown Court, Old Belgard Road, Tallaght, Dublin 24, Ireland

D24 WK28

Phone: + 353 (0) 1 2082261

Mobile: + 353 (0) 87 7509955

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**From:** Karen Mulryan <[kmulryan@mkoireland.ie](mailto:kmulryan@mkoireland.ie)>

**Sent:** 07 May 2020 17:09

**To:** Johnny Evans <[Johnny.Evans@2rn.ie](mailto:Johnny.Evans@2rn.ie)>

**Cc:** Matthew Craig <[matthew.craig@2rn.ie](mailto:matthew.craig@2rn.ie)>; [windfarms@rte.ie](mailto:windfarms@rte.ie)

**Subject:** 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Good afternoon,

MKO is preparing an Environmental Impact Assessment Report (EIAR) for a proposed Bórd na Móna Powergen Ltd wind energy development at Ballivor and the surrounding townlands located at the Meath-Westmeath border. The proposed development will be located on 5 bogs and will be referred to as the Ballivor Wind Farm. The site is located approximately 2.2km west of Ballivor Village, Co. Meath, and 3.7km east of Raharney and 2.5km south-southeast of Devlin, which are both located in Co. Westmeath.

The proposed project will likely encompass 25-35 turbines and will have an output of at least 50megawatts. Should the project be of this scale, an application will be made to An Bord Planeála seeking a determination in relation to the SID status, or otherwise, of the proposed wind energy development. If the board determine that the development is indeed SID, the planning application will be submitted directly to An Bord Planeála, under the provision of the Planning and Development (Strategic Infrastructure) Act 2006. Should the project be of a scale lower than the SID thresholds, an application for planning permission will be made to Meath and Westmeath County Councils.

As part of the EIA process, we would welcome any comments that you may 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,

Karen.



Karen Mulryan  
Environmental Scientist

**MKO**  
Tuam Road, Galway  
Ireland, H91 VW84  
+353 (0) 91 735611  
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## Shaun Doolin

---

**From:** Thomas Barry <Tom.Barry@TETRAIRELAND.IE>  
**Sent:** Friday 5 March 2021 07:03  
**To:** Karen Mulryan  
**Subject:** RE: EXTERNAL MAIL:- RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Karen,

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

Regards,  
Tom

---

**From:** Karen Mulryan [mailto:kmulryan@mkoireland.ie]  
**Sent:** Friday 12 February 2021 10:56  
**To:** Thomas Barry  
**Subject:** EXTERNAL MAIL:- RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

**CAUTION: This mail is from outside Tetra.**  
**Do NOT click suspicious links.**  
**Do NOT click or download suspicious attachments.**

Good morning Thomas,

I previously contacted you with a proposed wind farm development at Ballivor on the Meath/Westmeath border. Please see attached the proposed final turbine locations for your records. If you have any comments, please let us know.

Kind regards,

Karen



Karen Mulryan  
Environmental Scientist

**MKO**  
Tuam Road, Galway  
Ireland, H91 VW84  
+353 (0) 91 735611  
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**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Regards,  
Tom



**Subject:** 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

The proposed project will likely encompass 25-35 turbines and will have an output of at least 50 megawatts. Should the project be of this scale, an application will be made to An Bord Pleanála seeking a determination in relation to the SID status, or otherwise, of the proposed wind energy development. If the board determine that the development is indeed SID, the planning application will be submitted directly to An Bord Pleanála, under the provision of the Planning and Development (Strategic Infrastructure) Act 2006. Should the project be of a scale



lower than the SID thresholds, an application for planning permission will be made to Meath and Westmeath County Councils.

As part of the EIA process, we would welcome any comments that you may 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,

Karen.



Karen Mulryan  
Environmental Scientist

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## Shaun Doolin

---

**From:** Alister Cole <Alister.Cole1@three.ie>  
**Sent:** Tuesday 11 May 2021 13:50  
**To:** Shaun Doolin  
**Cc:** Sean Kelly; DL Estates ROI; Karen Mulryan  
**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Hi Shaun,

I have reviewed the original/new Turbine locations (26) and 3Ireland have no microwave links that could potentially be affected.

Best regards,

Alister



Alister Cole  
Transmission Engineer

**Mobile:** 086 6024556  
**Email:** Alister.Cole1@three.ie

---

**From:** Shaun Doolin <sdoolin@mkoireland.ie>  
**Sent:** 07 May 2021 15:54  
**To:** Alister Cole <Alister.Cole1@three.ie>  
**Cc:** Sean Kelly <Sean.Kelly2@three.ie>; DL Estates ROI <Estates@three.ie>; Karen Mulryan <kmulryan@mkoireland.ie>  
**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

**CAUTION!** External Email.

Good afternoon,

Since we last contacted you regarding the proposed Ballivor Wind Farm, two turbines have moved slightly in the northeast of the site. Turbine 19 has moved 25m north, while Turbine 20 has move 110m northwest. Please see the attached PDF of the final turbine locations, along with a spreadsheet containing location coordinates in ITM, Irish Grid and WGS84 reference systems. I have highlighted the two repositioned turbines in the spreadsheet and have also attached a KML for convenience.

Please feel free to contact us if you have any comments or queries.

Kind regards,  
Shaun

## Shaun Doolin

---

**From:** Alister Cole <Alister.Cole1@three.ie>  
**Sent:** Friday 12 February 2021 16:47  
**To:** Karen Mulryan  
**Cc:** Sean Kelly; DL Estates ROI  
**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Thanks Karen,

Looking at the Turbine locations our links will not be affected.

Thanks and regards,

Alister



Alister Cole  
Transmission Engineer

**Mobile:** 086 6024556  
**Email:** Alister.Cole1@three.ie

---

**From:** Karen Mulryan <kmulryan@mkoireland.ie>  
**Sent:** 12 February 2021 16:32  
**To:** Alister Cole <Alister.Cole1@three.ie>  
**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

**CAUTION!** External Email.

Hi Alister,

Its not decided yet, ranging 140m-160m RD.

Kind regards,

Karen.



Karen Mulryan  
Environmental Scientist

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

**From:** Alister Cole <[Alister.Cole1@three.ie](mailto:Alister.Cole1@three.ie)>  
**Sent:** Friday 12 February 2021 16:30  
**To:** Karen Mulryan <[kmulryan@mkoireland.ie](mailto:kmulryan@mkoireland.ie)>  
**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Hi Karen,

Would you also have the rotor diameter please?

Thanks

Alister



Alister Cole  
Transmission Engineer

**Mobile:** 086 6024556  
**Email:** [Alister.Cole1@three.ie](mailto:Alister.Cole1@three.ie)

---

**From:** Alister Cole  
**Sent:** 12 February 2021 14:26  
**To:** Karen Mulryan <[kmulryan@mkoireland.ie](mailto:kmulryan@mkoireland.ie)>  
**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Perfect, much appreciated,

Thanks

Alister



Alister Cole  
Transmission Engineer

**Mobile:** 086 6024556  
**Email:** [Alister.Cole1@three.ie](mailto:Alister.Cole1@three.ie)

---

**From:** Karen Mulryan <[kmulryan@mkoireland.ie](mailto:kmulryan@mkoireland.ie)>

**Sent:** 12 February 2021 14:04

**To:** Alister Cole <[Alister.Cole1@three.ie](mailto:Alister.Cole1@three.ie)>

**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

**CAUTION!** External Email.

Hi Alister,

Please see attached.

Kind regards,

Karen.



Karen Mulryan  
Environmental Scientist

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---

**From:** Alister Cole <[Alister.Cole1@three.ie](mailto:Alister.Cole1@three.ie)>

**Sent:** Friday 12 February 2021 13:57

**To:** Karen Mulryan <[kmulryan@mkoireland.ie](mailto:kmulryan@mkoireland.ie)>

**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Hi Karen,

Thank you for sending the location kmz file. Would you also have the turbine location in Irish Grid coordinates?

Thanks and regards,

Alister



Alister Cole  
Transmission Engineer

**Mobile:** 086 6024556  
**Email:** [Alister.Cole1@three.ie](mailto:Alister.Cole1@three.ie)

---

**From:** Alan Hutchinson <[alan.hutchinson@three.ie](mailto:alan.hutchinson@three.ie)>  
**Sent:** 12 February 2021 12:48  
**To:** Karen Mulryan <[kmulryan@mkoireland.ie](mailto:kmulryan@mkoireland.ie)>; Alister Cole <[Alister.Cole1@three.ie](mailto:Alister.Cole1@three.ie)>  
**Cc:** DL Estates ROI <[Estates@three.ie](mailto:Estates@three.ie)>  
**Subject:** FW: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Hi Alister,

Please see correspondence from Karen on final proposed turbine locations.

Regards,  
Alan.



**Alan Hutchinson**  
RAN Programme and Commercial Manager

+353(0) 86 814 5316  
[alan.hutchinson@three.ie](mailto:alan.hutchinson@three.ie)



---

**From:** Karen Mulryan <[kmulryan@mkoireland.ie](mailto:kmulryan@mkoireland.ie)>  
**Sent:** 12 February 2021 10:57  
**To:** Gerry Callan <[Gerry.Callan@three.ie](mailto:Gerry.Callan@three.ie)>  
**Cc:** Alan Hutchinson <[alan.hutchinson@three.ie](mailto:alan.hutchinson@three.ie)>; DL Estates ROI <[Estates@three.ie](mailto:Estates@three.ie)>  
**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

**CAUTION!** External Email.

Good morning Gerry,

I previously contacted you with a proposed wind farm development at Ballivor on the Meath/Westmeath border. Please see attached the proposed final turbine locations for your records. If you have any comments, please let us know.

Kind regards,

Karen

## Shaun Doolin

---

**From:** Gerry Callan <Gerry.Callan@three.ie>  
**Sent:** Tuesday 12 May 2020 10:45  
**To:** Karen Mulryan  
**Cc:** Alan Hutchinson; DL Estates ROI  
**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Hi Karen,

We would normally seek a 100m buffer, however once we have the turbine layout we can look at specific links and turbines more closely.

Hope this helps,

Best wishes,



**Gerry Callan**  
Transmission Engineer

086 3884246  
gerry.callan@three.ie



**Make it count.**

---

**From:** Karen Mulryan <kmulryan@mkoireland.ie>  
**Sent:** 12 May 2020 10:41  
**To:** Gerry Callan <Gerry.Callan@three.ie>  
**Cc:** Alan Hutchinson <alan.hutchinson@three.ie>; DL Estates ROI <Estates@three.ie>  
**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Hi Gerry,

What set back distance do you need for your links?

Regards,

Karen.



Karen Mulryan  
Environmental Scientist

**MKO**  
Tuam Road, Galway  
Ireland, H91 VW84  
+353 (0) 91 735611  
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**From:** Gerry Callan <[Gerry.Callan@three.ie](mailto:Gerry.Callan@three.ie)>  
**Sent:** 12 May 2020 09:36  
**To:** Karen Mulryan <[kmulryan@mkoireland.ie](mailto:kmulryan@mkoireland.ie)>  
**Cc:** Alan Hutchinson <[alan.hutchinson@three.ie](mailto:alan.hutchinson@three.ie)>; DL Estates ROI <[Estates@three.ie](mailto:Estates@three.ie)>  
**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Hi Karen,

Thank you for the various files supplied allowing us conduct our analysis of the impact this windfarm development might have on our network.

This is actually an area where we are currently optimising our service as new fibre is being delivered to one of the sites we use. Once it's in place in the next few months, our links in the area will be reconfigured as per the table below.

Site A	X	Y	Site B	X	Y	Band	Dish Height A
Lisnabin Killucan	255742	252754	Coillte Cockstown	264764	260496	15	27.3
Vodafone Delvin	259789	263451	Rathcore SDH	276204	244149	11	30
Ballivor Coillte	266371	255159	Delvin Coillte	259633	264651	18	30
Kinnegad	259835	247003	Ballivor Coillte	266371	255159	18	30
Vodafone Delvin	259789	263451	Ballivor Coillte	266371	255159	TBC	TBC
Vodafone Delvin	259789	263451	Coillte Cockstown	264764	260496	TBC	TBC
Vodafone Delvin	259789	263451	Delvin Coillte	259633	264651	TBC	TBC
Vodafone Delvin	259789	263451	Coillte Grange More	263369	253606	TBC	TBC

At present we have 4 links traversing the development area (the first 4 in the table), however 3 of these will be decommissioned in due course.

4 new links will be deployed in the area, 2 of which will not traverse the development area.

So the final layout in the region will be links 4, 5 and 8 (highlighted in amber) above. Those are the links you'll need to factor into your constraints planning for this development.

Once you have a confirmed turbine layout, do please let us know the coordinates (in Irish Grid format) and we'll import them into our planning tool to ensure that there is not impact on our existing network and to ensure future planning takes them into account as well.

Good luck with the development,

Best wishes,





**Gerry Callan**  
Transmission Engineer

086 3884246  
[gerry.callan@three.ie](mailto:gerry.callan@three.ie)



**Make it count.**

---

**From:** Karen Mulryan <[kmulryan@mkoireland.ie](mailto:kmulryan@mkoireland.ie)>

**Sent:** 11 May 2020 11:11

**To:** Gerry Callan <[Gerry.Callan@three.ie](mailto:Gerry.Callan@three.ie)>

**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Good morning Gerry,

Please see attached.

If you need anything else please let me know.

Regards,

Karen.



Karen Mulryan  
Environmental Scientist

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

**From:** Gerry Callan <[Gerry.Callan@three.ie](mailto:Gerry.Callan@three.ie)>

**Sent:** 08 May 2020 11:19

**To:** Karen Mulryan <[kmulryan@mkoireland.ie](mailto:kmulryan@mkoireland.ie)>

**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Hi Karen,

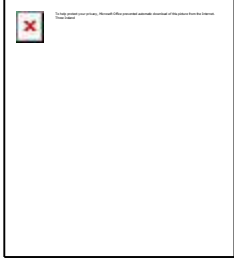
To enable us get a quick response back to you on this, would you have any of the following ...

1. A MapInfo Shapefile of the outline of the development area.
2. A Google Earth KMZ file of the outline of the development area.

3. An Excel file with Irish Grid coordinates of the extremities of the development area (NW, NE, SW, SE) which will allow us identify the development area on our planning tool.

Thanks in advance,

Best wishes,



**Gerry Callan**  
Transmission Engineer

086 3884246  
[gerry.callan@three.ie](mailto:gerry.callan@three.ie)



**Make it count.**

---

**From:** Karen Mulryan <[kmulryan@mkoireland.ie](mailto:kmulryan@mkoireland.ie)>

**Sent:** 08 May 2020 10:30

**To:** Gerry Callan <[Gerry.Callan@three.ie](mailto:Gerry.Callan@three.ie)>

**Subject:** 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Good morning,

MKO is preparing an Environmental Impact Assessment Report (EIAR) for a proposed Bórd na Móna Powergen Ltd wind energy development at Ballivor and the surrounding townlands located at the Meath-Westmeath border. The proposed development will be located on 5 bogs and will be referred to as the Ballivor Wind Farm. The site is located approximately 2.2km west of Ballivor Village, Co. Meath, and 3.7km east of Raharney and 2.5km south-southeast of Devlin, which are both located in Co. Westmeath.

The proposed project will likely encompass 25-35 turbines and will have an output of at least 50megawatts. Should the project be of this scale, an application will be made to An Bord Planeála seeking a determination in relation to the SID status, or otherwise, of the proposed wind energy development. If the board determine that the development is indeed SID, the planning application will be submitted directly to An Bord Planeála, under the provision of the Planning and Development (Strategic Infrastructure) Act 2006. Should the project be of a scale lower than the SID thresholds, an application for planning permission will be made to Meath and Westmeath County Councils.

As part of the EIA process, we would welcome any comments that you may 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,

Karen.

## Shaun Doolin

---

**From:** Stephenson, Chris, Vodafone Ireland (External) <chris.stephenson2@vodafone.com>  
**Sent:** Wednesday 12 May 2021 11:53  
**To:** Shaun Doolin  
**Cc:** Byrne, Gavin, Vodafone Ireland; Lyons, Sean, Vodafone Ireland (External); Karen Mulryan  
**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Hi Shaun,  
Thanks for the update, that looks fine.

Kind regards  
Chris

---

C2 General

**From:** Shaun Doolin <sdoolin@mkoireland.ie>  
**Sent:** Friday 7 May 2021 15:56  
**To:** Stephenson, Chris, Vodafone Ireland (External) <chris.stephenson2@vodafone.com>  
**Cc:** Byrne, Gavin, Vodafone Ireland <gavin.byrne@vodafone.com>; Lyons, Sean, Vodafone Ireland (External) <sean.lyons@vodafone.com>; Karen Mulryan <kmulryan@mkoireland.ie>  
**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

**CYBER SECURITY WARNING:** This email is from an external source - be careful of attachments and links. Please follow the Cyber Code and report suspicious emails.

Good afternoon,

Since we last contacted you regarding the proposed Ballivor Wind Farm, two turbines have moved slightly in the northeast of the site. Turbine 19 has moved 25m north, while Turbine 20 has move 110m northwest. Please see the attached PDF of the final turbine locations, along with a spreadsheet containing location coordinates in ITM, Irish Grid and WGS84 reference systems. I have highlighted the two repositioned turbines in the spreadsheet and have also attached a KML for convenience.

Please feel free to contact us if you have any comments or queries.

Kind regards,  
Shaun



Shaun Doolin  
Graduate Environmental Scientist

**MKO**  
Tuam Road, Galway  
Ireland, H91 VW84  
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**From:** Stephenson, Chris, Vodafone Ireland (External) <[chris.stephenson2@vodafone.com](mailto:chris.stephenson2@vodafone.com)>  
**Sent:** Friday 26 February 2021 11:47  
**To:** Karen Mulryan <[kmulryan@mkoireland.ie](mailto:kmulryan@mkoireland.ie)>  
**Cc:** Byrne, Gavin, Vodafone Ireland <[gavin.byrne@vodafone.com](mailto:gavin.byrne@vodafone.com)>; Lyons, Sean, Vodafone Ireland (External) <[sean.lyons@vodafone.com](mailto:sean.lyons@vodafone.com)>  
**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Hi Karen,  
The proposed positions are fine.

Kind regards  
Chris

---

C2 General

---

**From:** Lyons, Sean, Vodafone Ireland (External) <[sean.lyons@vodafone.com](mailto:sean.lyons@vodafone.com)>  
**Sent:** Monday 15 February 2021 08:29  
**To:** Stephenson, Chris, Vodafone Ireland (External) <[chris.stephenson2@vodafone.com](mailto:chris.stephenson2@vodafone.com)>  
**Cc:** Byrne, Gavin, Vodafone Ireland <[gavin.byrne@vodafone.com](mailto:gavin.byrne@vodafone.com)>  
**Subject:** FW: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Hi Chris,

Could you please complete analysis on this proposed windfarm?

Please send your findings to:  
Karen Mulryan <[kmulryan@mkoireland.ie](mailto:kmulryan@mkoireland.ie)>



**Sean Lyons**

Transmission Program Manager  
Converged Transmission  
Technology- NET  
+353877758117  
[sean.lyons@vodafone.com](mailto:sean.lyons@vodafone.com)

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C2 General

---

**From:** Byrne, Gavin, Vodafone Ireland <[gavin.byrne@vodafone.com](mailto:gavin.byrne@vodafone.com)>  
**Sent:** Friday 12 February 2021 15:26  
**To:** Lyons, Sean, Vodafone Ireland (External) <[sean.lyons@vodafone.com](mailto:sean.lyons@vodafone.com)>  
**Cc:** Neill o', Shane, Vodafone Ireland <[shane.oneill2@vodafone.com](mailto:shane.oneill2@vodafone.com)>  
**Subject:** FW: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Hi Sean,

Can you ask one of the team to take a look at this windfarm development please?



**Gavin Byrne**

TX Planning & Design Engineer

Converged Transmission

+353876448159

[gavin.byrne@vodafone.com](mailto:gavin.byrne@vodafone.com)

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Ireland: No. 326967

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**From:** Karen Mulryan <[kmulryan@mkoireland.ie](mailto:kmulryan@mkoireland.ie)>

**Sent:** Friday 12 February 2021 11:22

**To:** Byrne, Gavin, Vodafone Ireland <[gavin.byrne@vodafone.com](mailto:gavin.byrne@vodafone.com)>

**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

**CYBER SECURITY WARNING:** This email is from an external source - be careful of attachments and links. Please follow the Cyber Code and report suspicious emails.

Good morning Gavin,

I previously contacted you with a proposed wind farm development at Ballivor on the Meath/Westmeath border. Please see attached the proposed final turbine locations for your records.

If you have any comments, please let us know.

Kind regards,

Karen



Karen Mulryan  
Environmental Scientist

**MKO**

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---

**From:** Byrne, Gavin, Vodafone Ireland <[gavin.byrne@vodafone.com](mailto:gavin.byrne@vodafone.com)>  
**Sent:** Monday 11 May 2020 13:34  
**To:** Karen Mulryan <[kmulryan@mkofireland.ie](mailto:kmulryan@mkofireland.ie)>  
**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Hi Karen,

Exclusion zones are +30m from the maximum 1<sup>st</sup> Fresnel zone diameter, (from rotor tip) of each microwave. From the tower, +50m as a general rule, again from rotor tip, but the near field calculation like the Fresnel zone is frequency dependent.

Any turbine that resides within the 30m exclusion zone will need to be assessed by us directly

If you want further clarification, please let me know.

If you want me to analyse specific turbine locations and dimensions, by all means send them to me.

Thanks

Gavin

---

**From:** Karen Mulryan <[kmulryan@mkofireland.ie](mailto:kmulryan@mkofireland.ie)>  
**Sent:** Monday 11 May 2020 12:55  
**To:** Byrne, Gavin, Vodafone Ireland <[gavin.byrne@vodafone.com](mailto:gavin.byrne@vodafone.com)>  
**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

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Hi Gavin,

Do you have a set back distance for your links?

Thanks,

Karen.



Karen Mulryan  
Environmental Scientist

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Ireland, H91 VW84  
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---

**From:** MKO-Admin <[info@mkofireland.ie](mailto:info@mkofireland.ie)>  
**Sent:** 08 May 2020 11:21

**To:** Karen Mulryan <[kmulryan@mkoireland.ie](mailto:kmulryan@mkoireland.ie)>

**Subject:** FW: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

---

**From:** Byrne, Gavin, Vodafone Ireland

**Sent:** Friday 8 May 2020 11:19

**To:** MKO-Admin <[info@mkoireland.ie](mailto:info@mkoireland.ie)>

**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

For the attention of Karen Mulryan:

Hi Karen,

Can you please send all future correspondence to this Vodafone email address, the Netshare address is no longer valid and because of the forwarding rules, I was unable to find your email address, hence I have emailed this response to this address.

Please find attached list of potentially impacted microwaves. Of particular importance is the MPLS trunk microwave between WHLIN Kilucan and MH009 Faughan Hill. This is a trunk radio that carries a significant amount of traffic across our MPLS backhaul network.

If you have turbine locations that you want me to assess, please send them on.



**Gavin Byrne**

TX Planning & Design Engineer

Converged Transmission

+353876448159

[gavin.byrne@vodafone.com](mailto:gavin.byrne@vodafone.com)

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Ireland: No. 326967

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**From:** Gavin Byrne <[gavin.byrne@netshare.ie](mailto:gavin.byrne@netshare.ie)>

**Sent:** Friday 8 May 2020 10:24

**To:** Byrne, Gavin, Vodafone Ireland <[gavin.byrne@vodafone.com](mailto:gavin.byrne@vodafone.com)>

**Subject:** FW: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

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**From:** Karen Mulryan  
**Sent:** Friday 8 May 2020 10:24:17 (UTC+00:00) Dublin, Edinburgh, Lisbon, London  
**To:** Gavin Byrne  
**Subject:** 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Good afternoon,

MKO is preparing an Environmental Impact Assessment Report (EIAR) for a proposed Bórd na Móna Powergen Ltd wind energy development at Ballivor and the surrounding townlands located at the Meath-Westmeath border. The proposed development will be located on 5 bogs and will be referred to as the Ballivor Wind Farm. The site is located approximately 2.2km west of Ballivor Village, Co. Meath, and 3.7km east of Raharney and 2.5km south-southeast of Devlin, which are both located in Co. Westmeath.

The proposed project will likely encompass 25-35 turbines and will have an output of at least 50megawatts. Should the project be of this scale, an application will be made to An Bord Planeála seeking a determination in relation to the SID status, or otherwise, of the proposed wind energy development. If the board determine that the development is indeed SID, the planning application will be submitted directly to An Bord Planeála, under the provision of the Planning and Development (Strategic Infrastructure) Act 2006. Should the project be of a scale lower than the SID thresholds, an application for planning permission will be made to Meath and Westmeath County Councils.

As part of the EIA process, we would welcome any comments that you may 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,

Karen.



Karen Mulryan  
Environmental Scientist

**MKO**  
Tuam Road, Galway  
Ireland, H91 VW84  
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## Shaun Doolin

---

**From:** Peter O'Brien <peter.obrien@enet.ie>  
**Sent:** Tuesday 11 May 2021 10:46  
**To:** Shaun Doolin  
**Cc:** Karen Mulryan  
**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Hi Shaun,

125m is great, should be no issues for us,

Regards,  
Peter

---

**From:** Shaun Doolin <sdoolin@mkofireland.ie>  
**Sent:** Tuesday, May 11, 2021 10:33 AM  
**To:** Peter O'Brien <peter.obrien@enet.ie>  
**Cc:** Karen Mulryan <kmulryan@mkofireland.ie>  
**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

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Hi Peter,

We have placed a minimum setback buffer of 50m either side of your links. However, our turbines are actually placed a minimum of 125m from your links.

Kind regards,  
Shaun



Shaun Doolin  
Graduate Environmental Scientist

**MKO**  
Tuam Road, Galway  
Ireland, H91 VW84  
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**From:** Peter O'Brien <[peter.obrien@enet.ie](mailto:peter.obrien@enet.ie)>  
**Sent:** Tuesday 11 May 2021 10:10  
**To:** Shaun Doolin <[sdoolin@mkofireland.ie](mailto:sdoolin@mkofireland.ie)>  
**Cc:** Karen Mulryan <[kmulryan@mkofireland.ie](mailto:kmulryan@mkofireland.ie)>  
**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Hi Shaun,

What is the setback distance from our links to the turbines?

Regards,  
Peter

---

**From:** Shaun Doolin <[sdoolin@mkofireland.ie](mailto:sdoolin@mkofireland.ie)>  
**Sent:** Tuesday, May 11, 2021 10:06 AM  
**To:** Peter O'Brien <[peter.obrien@enet.ie](mailto:peter.obrien@enet.ie)>  
**Cc:** Karen Mulryan <[kmulryan@mkofireland.ie](mailto:kmulryan@mkofireland.ie)>  
**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

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Hi Peter,

Thank you for getting back to me on this.

Could you please confirm that your links will not be impacted by our proposed turbine locations?

Kind regards,  
Shaun



Shaun Doolin  
Graduate Environmental Scientist

**MKO**  
Tuam Road, Galway  
Ireland, H91 VW84  
+353 (0) 91 735611  
[www.mkofireland.ie](http://www.mkofireland.ie)



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---

**From:** Peter O'Brien <[peter.obrien@enet.ie](mailto:peter.obrien@enet.ie)>  
**Sent:** Monday 10 May 2021 07:58  
**To:** Shaun Doolin <[sdoolin@mkofireland.ie](mailto:sdoolin@mkofireland.ie)>  
**Cc:** Karen Mulryan <[kmulryan@mkofireland.ie](mailto:kmulryan@mkofireland.ie)>  
**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Hi Shaun,

We still have just the two links passing through this windfarm:

Site A Coordinates	Site A Antenna Height	Site B Coordinates	Site B Antenna Height	Link Frequency
53°38'21.08"N 7°16'28.13"W	15m	53°24'18.20"N 6°44'45.50"W	20m	7GHz

53°38'21.08"N 7°16'28.13"W	15m	53°26'39.70"N 6°51'41.80"W	10m	13GHz
-------------------------------	-----	-------------------------------	-----	-------

Regards,  
Peter

---

**From:** Shaun Doolin <[sdoolin@mkofireland.ie](mailto:sdoolin@mkofireland.ie)>  
**Sent:** Friday, May 7, 2021 4:35 PM  
**To:** Peter O'Brien <[peter.obrien@enet.ie](mailto:peter.obrien@enet.ie)>  
**Cc:** Karen Mulryan <[kmulryan@mkofireland.ie](mailto:kmulryan@mkofireland.ie)>  
**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

**CAUTION:** This E-mail has originated from OUTSIDE the Speed Fibre Group | DO NOT CLICK links or attachments unless you recognize the sender and know the content is safe..

Good afternoon,

Since we last contacted you regarding the proposed Ballivor Wind Farm, two turbines have moved slightly in the northeast of the site. Turbine 19 has moved 25m north, while Turbine 20 has move 110m northwest. Please see the attached PDF of the final turbine locations. I have also attached a KML for convenience.

Please feel free to contact us if you have any comments or queries.

Kind regards,  
Shaun



Shaun Doolin  
Graduate Environmental Scientist

**MKO**  
 Tuam Road, Galway  
 Ireland, H91 VW84  
 +353 (0) 91 735611  
[www.mkofireland.ie](http://www.mkofireland.ie)



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---

**From:** Karen Mulryan  
**Sent:** Friday 12 February 2021 11:06  
**To:** 'Peter O'Brien' <[peter.obrien@enet.ie](mailto:peter.obrien@enet.ie)>  
**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Good morning Peter,

I previously contacted you with a proposed wind farm development at Ballivor on the Meath/Westmeath border. Please see attached the proposed final turbine locations for your records. If you have any comments, please let us know.

Kind regards,

## Shaun Doolin

---

**From:** Peter O'Brien <peter.obrien@enet.ie>  
**Sent:** Tuesday 23 June 2020 12:41  
**To:** Karen Mulryan  
**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Hi Karen,

Between 100 - 150m,

Thanks,  
Peter

---

**From:** Karen Mulryan <kmulryan@mkoireland.ie>  
**Sent:** Tuesday, June 23, 2020 12:12 PM  
**To:** Peter O'Brien <peter.obrien@enet.ie>  
**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Thanks Peter,

What buffer do you require for your links?

Regards,

Karen.



Karen Mulryan  
Environmental Scientist

**MKO**  
Tuam Road, Galway  
Ireland, H91 VW84  
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---

**From:** Peter O'Brien <[peter.obrien@enet.ie](mailto:peter.obrien@enet.ie)>  
**Sent:** 23 June 2020 10:46  
**To:** Karen Mulryan <[kmulryan@mkoireland.ie](mailto:kmulryan@mkoireland.ie)>  
**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Hi Karen,

We have two links currently that are over this area, details below:

Site A Coordinates	Site A Antenna Height	Site B Coordinates	Site B Antenna Height	Link Frequency
53°38'21.08"N 7°16'28.13"W	15m	53°24'18.20"N 6°44'45.50"W	20m	7GHz
53°38'21.08"N 7°16'28.13"W	15m	53°26'39.70"N 6°51'41.80"W	10m	13GHz

Best Regards,  
Peter

---

**From:** Karen Mulryan <[kmulryan@mkoireland.ie](mailto:kmulryan@mkoireland.ie)>

**Sent:** Monday, June 22, 2020 3:08 PM

**To:** Peter O'Brien <[peter.obrien@enet.ie](mailto:peter.obrien@enet.ie)>

**Subject:** 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Good afternoon Peter,

MKO is preparing an Environmental Impact Assessment Report (EIAR) for a proposed Bórd na Móna Powergen Ltd wind energy development at Ballivor and the surrounding townlands located at the Meath-Westmeath border. The proposed development will be located on 5 bogs and will be referred to as the Ballivor Wind Farm. The site is located approximately 2.2km west of Ballivor Village, Co. Meath, and 3.7km east of Raharney and 2.5km south-southeast of Devlin, which are both located in Co. Westmeath.

The proposed project will likely encompass 25-35 turbines and will have an output of at least 50megawatts. Should the project be of this scale, an application will be made to An Bord Planeála seeking a determination in relation to the SID status, or otherwise, of the proposed wind energy development. If the board determine that the development is indeed SID, the planning application will be submitted directly to An Bord Planeála, under the provision of the Planning and Development (Strategic Infrastructure) Act 2006. Should the project be of a scale lower than the SID thresholds, an application for planning permission will be made to Meath and Westmeath County Councils.

As part of the EIA process, we would welcome any comments that you may 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. We would be grateful for any information regarding any telecoms links and buffers you have in the area so we can exclude them from our design. If you require any further information, please do not hesitate to contact me.

Kind Regards,

Karen.



Karen Mulryan  
Environmental Scientist

**MKO**  
Tuam Road, Galway  
Ireland, H91 VW84  
+353 (0) 91 735611  
[www.mkoireland.ie](http://www.mkoireland.ie)

## Shaun Doolin

---

**From:** Redmond. Myles (ESB Networks) <myles.redmond2@esb.ie>  
**Sent:** Friday 14 May 2021 16:50  
**To:** Shaun Doolin; McDonagh. Paul (ESB Networks)  
**Cc:** Dalikeni. Wilson (ESB Networks); Karen Mulryan  
**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Hi Shaun,

I have carried out further analysis on this windfarm and I can confirm that there will be no expected impact to our microwave and point to multipoint radio networks.

Regards,

Myles

---

**From:** Shaun Doolin <sdoolin@mkofireland.ie>  
**Sent:** Friday 7 May 2021 16:37  
**To:** Redmond. Myles (ESB Networks) <myles.redmond2@esb.ie>; McDonagh. Paul (ESB Networks) <paul.mcdonagh@esb.ie>  
**Cc:** Dalikeni. Wilson (ESB Networks) <wilson.dalikeni@esb.ie>; Karen Mulryan <kmulryan@mkofireland.ie>  
**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

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Good afternoon,

Since we last contacted you regarding the proposed Ballivor Wind Farm, two turbines have moved slightly in the northeast of the site. Turbine 19 has moved 25m north, while Turbine 20 has move 110m northwest. Please see the attached PDF of the final turbine locations. I have also attached a KML for convenience.

Please feel free to contact us if you have any comments or queries.

Kind regards,  
Shaun



Shaun Doolin  
Graduate Environmental Scientist

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Ireland, H91 VW84  
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---

**From:** Myles Redmond <[myles.redmond2@esb.ie](mailto:myles.redmond2@esb.ie)>

**Sent:** 10 July 2020 16:00

**To:** Paul McDonagh <[paul.mcdonagh@esb.ie](mailto:paul.mcdonagh@esb.ie)>; Karen Mulryan <[kmulryan@mkoireland.ie](mailto:kmulryan@mkoireland.ie)>

**Cc:** Wilson Dalikeni <[wilson.dalikeni@esb.ie](mailto:wilson.dalikeni@esb.ie)>

**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Hi Karen,

I have checked the proposed area for the Scada point to multi point network and I do not envisage the proposed Windfarm development will not impact on any of our current infrastructure.

The nearest site to the development is Delvin 38kV and this is bearing north towards of our hillsites so will not be impacted.



Regards,

Myles

---

**From:** Karen Mulryan <[kmulryan@mkoireland.ie](mailto:kmulryan@mkoireland.ie)>

**Sent:** Tuesday 7 July 2020 15:02

**To:** McDonagh. Paul (ESB Networks) <[paul.mcdonagh@esb.ie](mailto:paul.mcdonagh@esb.ie)>



**Cc:** Dalikeni. Wilson (ESB Networks) <[wilson.daliken@esb.ie](mailto:wilson.daliken@esb.ie)>

**Subject:** 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Hi Paul,

Would you be able to provide any detail on the UHF SCADA point to multi point radio links in the area. We are trying to come up with an interim design so coordinates would be very helpful.

Kind regards,

Karen.



Karen Mulryan  
Environmental Scientist  
**MKO**  
Tuam Road, Galway  
Ireland, H91 VW84  
+353 (0) 91 735611  
[www.mkoireland.ie](http://www.mkoireland.ie)



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---

**From:** Paul McDonagh <[paul.mcdonagh@esb.ie](mailto:paul.mcdonagh@esb.ie)>

**Sent:** 13 May 2020 11:58

**To:** Karen Mulryan <[kmulryan@mkoireland.ie](mailto:kmulryan@mkoireland.ie)>

**Cc:** Wilson Dalikeni <[wilson.daliken@esb.ie](mailto:wilson.daliken@esb.ie)>

**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Hi Karen

Going off the centre of site co-ordinates within the document, we have a couple of UHF SCADA point to multi point radio links in the area. It is OK from a point to point MW radio link perspective.

Would have details on the proposed turbine layout to review further.

Thanks

Paul

---

**From:** Dalikeni. Wilson (ESB Networks) <[wilson.daliken@esb.ie](mailto:wilson.daliken@esb.ie)>

**Sent:** Monday 11 May 2020 09:29

**To:** McDonagh. Paul (ESB Networks) <[paul.mcdonagh@esb.ie](mailto:paul.mcdonagh@esb.ie)>

**Subject:** FW: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Hi Paul,

Can you please review this development and respond to developer.

Regards,



## Shaun Doolin

---

**From:** Paul McDonagh <paul.mcdonagh@esb.ie>  
**Sent:** Wednesday 13 May 2020 11:58  
**To:** Karen Mulryan  
**Cc:** Wilson Dalikeni  
**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Hi Karen

Going off the centre of site co-ordinates within the document, we have a couple of UHF SCADA point to multi point radio links in the area. It is OK from a point to point MW radio link perspective.

Would have details on the proposed turbine layout to review further.

Thanks

Paul

---

**From:** Dalikeni. Wilson (ESB Networks) <wilson.daliken@esb.ie>  
**Sent:** Monday 11 May 2020 09:29  
**To:** McDonagh. Paul (ESB Networks) <paul.mcdonagh@esb.ie>  
**Subject:** FW: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Hi Paul,

Can you please review this development and respond to developer.

Regards,

**Wilson Dalikeni | WAN Team Manager, Networks Telecoms | ESB Networks | T: +353 1 702 6814 / +353 87 257 9770 | [www.esbnetworks.ie](http://www.esbnetworks.ie)**

---

**From:** Karen Mulryan <[kmulryan@mkoireland.ie](mailto:kmulryan@mkoireland.ie)>  
**Sent:** Friday 8 May 2020 09:46  
**To:** Dalikeni. Wilson (ESB Networks) <[wilson.daliken@esb.ie](mailto:wilson.daliken@esb.ie)>  
**Subject:** 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

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Good morning,

MKO is preparing an Environmental Impact Assessment Report (EIAR) for a proposed Bórd na Móna Powergen Ltd wind energy development at Ballivor and the surrounding townlands located at the Meath-Westmeath border. The proposed development will be located on 5 bogs and will be referred to as the Ballivor Wind Farm. The site is located approximately 2.2km west of Ballivor Village, Co. Meath, and 3.7km east of Raharney and 2.5km south-southeast of Devlin, which are both located in Co. Westmeath.

The proposed project will likely encompass 25-35 turbines and will have an output of at least 50 megawatts. Should the project be of this scale, an application will be made to An Bord Pleanála seeking a determination in relation to the SID status, or otherwise, of the proposed wind energy development. If the board determine that the development is indeed SID, the planning application will be submitted directly to An Bord Pleanála, under the provision of the Planning and Development (Strategic Infrastructure) Act 2006. Should the project be of a scale lower than the SID thresholds, an application for planning permission will be made to Meath and Westmeath County Councils.

As part of the EIA process, we would welcome any comments that you may 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,

Karen.



Karen Mulryan  
Environmental Scientist

**MKO**  
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Ireland, H91 VW84  
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<https://www.esb.ie/contact>

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## Karen Mulryan

---

**From:** Paul Brunel <Paul.Brunel@imaginegroup.ie>  
**Sent:** Thursday 2 September 2021 16:57  
**To:** Karen Mulryan; Ronnie O'Neill  
**Cc:** Shaun Doolin  
**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Hi Karen,  
We have agreed the proposed set back as outlined by Kevin Hayes of AI Bridges on the 1<sup>st</sup> of July this year.  
(Minimum 33m Clearance between blade tip and the 2<sup>nd</sup> fresnel zone).

Kind Regards,

Paul Brunel.  
Transmission Planning.  
Ph: 086 388 1962

Imagine Group.  
Sandyford Business Centre.  
Blackthorn Road, Sandyford, D18 AW89



---

**From:** [Karen Mulryan](#)  
**Sent:** 02 September 2021 16:06  
**To:** [Ronnie O'Neill](#); [Paul Brunel](#)  
**Cc:** [Shaun Doolin](#)  
**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

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Hi Ronnie,

I am just following up with you to ensure the setbacks AI Bridges provided are agreed. The potential proposed construction period if this project was to get a grant wouldn't be until towards the end of the decade.

Kind regards,

---

**From:** Karen Mulryan  
**Sent:** Tuesday 3 August 2021 16:04  
**To:** 'Ronnie O'Neill' <[Ronnie.ONeill@imaginegroup.ie](mailto:Ronnie.ONeill@imaginegroup.ie)>; 'Paul Brunel' <[Paul.Brunel@imaginegroup.ie](mailto:Paul.Brunel@imaginegroup.ie)>; Shaun Doolin <[sdoolin@mkoireland.ie](mailto:sdoolin@mkoireland.ie)>  
**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Hi Ronnie,

Just want to confirm you received my email below regarding the potential construction timeframes if this project was to be successful in planning?

Kind regards,

Karen.



Karen Mulryan  
Environmental Scientist BA MSc ACIfA IAI

**MKO**  
Tuam Road, Galway  
Ireland, H91 VW84  
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---

**From:** Karen Mulryan  
**Sent:** Tuesday 27 July 2021 15:02  
**To:** Ronnie O'Neill <[Ronnie.ONeill@imaginegroup.ie](mailto:Ronnie.ONeill@imaginegroup.ie)>; Paul Brunel <[Paul.Brunel@imaginegroup.ie](mailto:Paul.Brunel@imaginegroup.ie)>; Shaun Doolin <[sdoolin@mkoireland.ie](mailto:sdoolin@mkoireland.ie)>  
**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Hi Ronnie,

We are just in the pre-planning stage at the moment. If we were to get a consent, it is anticipated the project would commence construction in the latter half of the decade.

Kind regards,

Karen.



Karen Mulryan  
Environmental Scientist BA MSc ACIfA IAI

**MKO**  
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Ireland, H91 VW84  
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---

**From:** Ronnie O'Neill <[Ronnie.ONeill@imgroup.ie](mailto:Ronnie.ONeill@imgroup.ie)>

**Sent:** Friday 23 July 2021 09:06

**To:** Karen Mulryan <[kmulryan@mkoireland.ie](mailto:kmulryan@mkoireland.ie)>; Paul Brunel <[Paul.Brunel@imgroup.ie](mailto:Paul.Brunel@imgroup.ie)>; Shaun Doolin <[sdoolin@mkoireland.ie](mailto:sdoolin@mkoireland.ie)>

**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Hi Karen ,

We have agreed with AI Bridges that the locations of turbines T20 & T25 should have enough clearance to not cause us an issue but there is always an element of doubt .

I know this , at the moment , is the proposed layout but can you give an estimate of when these works might take place .

We currently have over approx 200x customers connected to our site & if the MW link is interfered with at all , we are in a very bad situation .

We do not have an alternative solution for connection onto our network .

It is something we will have to monitor very carefully as the construction works are progressing .

Rgds,  
Ronnie .

---

**From:** Karen Mulryan <[kmulryan@mkoireland.ie](mailto:kmulryan@mkoireland.ie)>

**Sent:** Wednesday 21 July 2021 10:17

**To:** Paul Brunel <[Paul.Brunel@imgroup.ie](mailto:Paul.Brunel@imgroup.ie)>; Shaun Doolin <[sdoolin@mkoireland.ie](mailto:sdoolin@mkoireland.ie)>

**Cc:** Ronnie O'Neill <[Ronnie.ONeill@imgroup.ie](mailto:Ronnie.ONeill@imgroup.ie)>

**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

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Good morning Paul,

Further to our correspondence below, I believe AI Bridges were in touch regarding the setbacks from your links and an set back buffer of 30m from the 2<sup>nd</sup> Fresnel was agreed?

Can you confirm this is the case and you have no concerns regarding the proposed layout attached?

Kind regards,

Karen.



Karen Mulryan  
Environmental Scientist BA MSc ACIfA IAI

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Tuam Road, Galway  
Ireland, H91 VW84  
+353 (0) 91 735611  
[www.mkoireland.ie](http://www.mkoireland.ie)



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**From:** Paul Brunel <[Paul.Brunel@imgroup.ie](mailto:Paul.Brunel@imgroup.ie)>  
**Sent:** Tuesday 18 May 2021 15:58  
**To:** Shaun Doolin <[sdoolin@mkoireland.ie](mailto:sdoolin@mkoireland.ie)>  
**Cc:** Ronnie O'Neill <[Ronnie.ONeill@imgroup.ie](mailto:Ronnie.ONeill@imgroup.ie)>; Karen Mulryan <[kmulryan@mkoireland.ie](mailto:kmulryan@mkoireland.ie)>  
**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Hi Shaun,  
We need a 50m clearance buffer from the centre of our MW path.  
Please let us know the radius of the turbine blades when you have this information.

Kind Regards,

Paul Brunel.  
Transmission Planning.  
Imagine Group.  
Ph: 086 388 1962  
**imagine**

t. +353 1 437 5000  
m. +353 863832470  
w. [imagine.ie](http://imagine.ie)  
Imagine  
Sandyford Business Centre  
Blackthorn Road, Sandyford, D18



AW89



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**From:** Shaun Doolin [<mailto:sdoolin@mkoireland.ie>]

**Sent:** 12 May 2021 14:12

**To:** Paul Brunel

**Cc:** Ronnie O'Neill; Karen Mulryan

**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

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Hi Paul,

Thank you for getting back to me about this.

There is a 45m clearance buffer placed either side of your MW path.

You are correct in that T20 is approximately 131m from the MW path.

The radius of the turbine blades has not yet been determined for this development, but we do have a turbine tip height of 200m.

Kind regards,

Shaun



Shaun Doolin  
Graduate Environmental Scientist

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Tuam Road, Galway  
Ireland, H91 VW84  
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---

**From:** Paul Brunel <[Paul.Brunel@imaginegroup.ie](mailto:Paul.Brunel@imaginegroup.ie)>

**Sent:** Wednesday 12 May 2021 10:23

**To:** Shaun Doolin <[sdoolin@mkoireland.ie](mailto:sdoolin@mkoireland.ie)>

**Cc:** Ronnie O'Neill <[Ronnie.ONeill@imaginegroup.ie](mailto:Ronnie.ONeill@imaginegroup.ie)>; Karen Mulryan <[kmulryan@mkoireland.ie](mailto:kmulryan@mkoireland.ie)>

**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Hi Shaun,

Thank you for the mail.

Please confirm that the new location for T20 will still leave a 50m clearance from our MW path.

T20 is now just over 130m from the MW path.

I trust that the Radius of the Turbine Blades will not exceed 80m.

Kind Regards,

Paul Brunel.

This email originated outside of the organisation - please exercise caution when opening attachments or clicking links.

Good afternoon,

Since we last contacted you regarding the proposed Ballivor Wind Farm, two turbines have moved slightly in the northeast of the site. Turbine 19 has moved 25m north, while Turbine 20 has move 110m northwest. Please see the attached PDF of the final turbine locations. I have also attached a KML for convenience.

Please feel free to contact us if you have any comments or queries.

Kind regards,  
Shaun



Shaun Doolin  
Graduate Environmental Scientist

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Tuam Road, Galway  
Ireland, H91 VW84  
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**From:** Karen Mulryan

**Sent:** Friday 12 February 2021 11:01

**To:** 'Ronnie O'Neill' <[Ronnie.ONeill@imaginegroup.ie](mailto:Ronnie.ONeill@imaginegroup.ie)>

**Cc:** Lorna Brennan <[lorna.brennan@imaginegroup.ie](mailto:lorna.brennan@imaginegroup.ie)>

**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Good morning Ronnie,

I previously contacted you with a proposed wind farm development at Ballivor on the Meath/Westmeath border. Please see attached the proposed turbine locations for your records.

If you have any comments, please let us know.

Kind regards,

Karen.



Karen Mulryan  
Environmental Scientist

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Ireland, H91 VW84  
+353 (0) 91 735611  
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**From:** Ronnie O'Neill <[Ronnie.ONeill@imagegroup.ie](mailto:Ronnie.ONeill@imagegroup.ie)>  
**Sent:** Monday 11 May 2020 14:35  
**To:** Karen Mulryan <[kmulryan@mkoireland.ie](mailto:kmulryan@mkoireland.ie)>  
**Cc:** Lorna Brennan <[lorna.brennan@imagegroup.ie](mailto:lorna.brennan@imagegroup.ie)>  
**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Hi Karen ,

We would require 50mtrs either side of the line I showed in the screenshot .

Thanks ,  
Ronnie .

---

**From:** Karen Mulryan <[kmulryan@mkoireland.ie](mailto:kmulryan@mkoireland.ie)>  
**Sent:** Monday 11 May 2020 12:55  
**To:** Ronnie O'Neill <[Ronnie.ONeill@imagegroup.ie](mailto:Ronnie.ONeill@imagegroup.ie)>  
**Cc:** Lorna Brennan <[lorna.brennan@imagegroup.ie](mailto:lorna.brennan@imagegroup.ie)>  
**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Hi Ronnie,

Do you have a set back distance for your links?

Thanks,  
Karen.



Karen Mulryan  
Environmental Scientist

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Ireland, H91 VW84  
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---

**From:** Ronnie O'Neill <[Ronnie.ONeill@imagegroup.ie](mailto:Ronnie.ONeill@imagegroup.ie)>  
**Sent:** 11 May 2020 11:50

Imagine have a Microwave Point to Point link that may be affected by this wind farm , depending on the exact locations of the turbines .

We have an installation on an Cellnex owned tower at the north east of the bog you have identified . It's a 36mtr mast known as Cellnex Cockstown ( 53.590497° / -7.022789° )

Our link connects to 3IRL Rathcore ( 53.442111° / -6.853837° ) . The attached screenshot shows the path across which the link works .

Any installation along this path will cause an issue for Imagines' network .

Let us know when you have identified exact locations for the turbines and we can look into this further .

Rgds,  
Ronnie .

---

**From:** Karen Mulryan <[kmulryan@mkoireland.ie](mailto:kmulryan@mkoireland.ie)>

**Sent:** Friday 8 May 2020 09:50

**To:** Ronnie O'Neill <[Ronnie.ONeill@imagegroup.ie](mailto:Ronnie.ONeill@imagegroup.ie)>

**Subject:** 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Good morning,

MKO is preparing an Environmental Impact Assessment Report (EIAR) for a proposed Bórd na Móna Powergen Ltd wind energy development at Ballivor and the surrounding townlands located at the Meath-Westmeath border. The proposed development will be located on 5 bogs and will be referred to as the Ballivor Wind Farm. The site is located approximately 2.2km west of Ballivor Village, Co. Meath, and 3.7km east of Raharney and 2.5km south-southeast of Devlin, which are both located in Co. Westmeath.

The proposed project will likely encompass 25-35 turbines and will have an output of at least 50megawatts. Should the project be of this scale, an application will be made to An Bord Planeála seeking a determination in relation to the SID status, or otherwise, of the proposed wind energy development. If the board determine that the development is indeed SID, the planning application will be submitted directly to An Bord Planeála, under the provision of the Planning and Development (Strategic Infrastructure) Act 2006. Should the project be of a scale lower than the SID thresholds, an application for planning permission will be made to Meath and Westmeath County Councils.

As part of the EIA process, we would welcome any comments that you may 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,

Karen.



Karen Mulryan  
Environmental Scientist

**MKO**  
Tuam Road, Galway  
Ireland, H91 VW84  
+353 (0) 91 735611  
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## Shaun Doolin

---

**From:** Lawler Jamie <Jamie.Lawlor@irishrail.ie>  
**Sent:** Wednesday 23 September 2020 14:06  
**To:** Karen Mulryan  
**Cc:** Quigley Tom  
**Subject:** RE: FAO Thomas Quigley: 191137 proposed Ballivor Wind Farm, Meath/Westmeath Border  
**Attachments:** Base station locations.png

Hello Karen,

Please find attached the coordinates of base stations on the Sligo line from Enfield to Mullingar. Enfield, Hill of Down and Mullingar have both UHF and GSMR equipment. The remaining sites have GSMR equipment only. Hill of Down additionally has a microwave link to Mt. Oriel (Lat 53N4729 Long 06W3044). I am not aware of any set back distances but will check with supplier.

Thanks,  
Jamie

---

**From:** Karen Mulryan <kmulryan@mkoireland.ie>  
**Sent:** Wednesday 23 September 2020 11:54  
**To:** Lawler Jamie <Jamie.Lawlor@irishrail.ie>  
**Subject:** RE: FAO Thomas Quigley: 191137 proposed Ballivor Wind Farm, Meath/Westmeath Border  
**Importance:** High

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Hi Jamie,

I would appreciate any list of links and coordinates you may have so we can map and subsequently avoid them. The Hill of Down is c.4km south of the proposed development site boundary.  
Do you have set back distances from your base stations and links that we can incorporate into our design?

Kind regards,

Karen.



Karen Mulryan  
Environmental Scientist

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**From:** Lawler Jamie <[Jamie.Lawlor@irishrail.ie](mailto:Jamie.Lawlor@irishrail.ie)>  
**Sent:** Wednesday 23 September 2020 11:20  
**To:** Karen Mulryan <[kmulryan@mkoireland.ie](mailto:kmulryan@mkoireland.ie)>  
**Subject:** FW: FAO Thomas Quigley: 191137 proposed Ballivor Wind Farm, Meath/Westmeath Border

Hello Karen,

We currently have a UHF train radio system with base stations located along the track. This system provides communication between the signalman and the train driver. From the .kml file the closest base station to the site is Hill of Down. We are also in the process of rolling out a GSM radio system for train communication. I will get a list of sites for this.

We have a microwave radio link from Hill of Down to Mt. Oriel. The line of sight looks to be outside the area on the .kml but may need further investigation.

Regards,  
Jamie

---

**From:** Quigley Tom <[Thomas.Quigley@irishrail.ie](mailto:Thomas.Quigley@irishrail.ie)>  
**Sent:** Wednesday 23 September 2020 10:32  
**To:** Lawler Jamie <[Jamie.Lawlor@irishrail.ie](mailto:Jamie.Lawlor@irishrail.ie)>  
**Subject:** FW: FAO Thomas Quigley: 191137 proposed Ballivor Wind Farm, Meath/Westmeath Border

Hi Jamie,

Please see below – can you review & respond.

Regards,

Thomas Quigley,  
Telecoms Department



please don't print this e-mail unless you really need to

---

**From:** PostMaster (CIE Group of Companies) [<mailto:Postmaster@cie.ie>]  
**Sent:** 23 September 2020 10:29  
**To:** Quigley Tom <[Thomas.Quigley@irishrail.ie](mailto:Thomas.Quigley@irishrail.ie)>  
**Subject:** FW: FAO Thomas Quigley: 191137 proposed Ballivor Wind Farm, Meath/Westmeath Border

---

**From:** Karen Mulryan <[kmulryan@mkoireland.ie](mailto:kmulryan@mkoireland.ie)>  
**Sent:** Monday 21 September 2020 15:00  
**To:** PostMaster (CIE Group of Companies) <[Postmaster@cie.ie](mailto:Postmaster@cie.ie)>  
**Subject:** FAO Thomas Quigley: 191137 proposed Ballivor Wind Farm, Meath/Westmeath Border

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Good afternoon Thomas,

We are undertaking an environmental impact assessment of a proposed wind farm at the Ballivor Bog Group on the Meath/Westmeath border.

Comreg recommended we contact you to determine if there are any potential telecoms links belonged to Irish Rail in the area.

Would you be able to review the attached and let us know if you have any queries, comments or concerns.

Kind regards,

Karen.



Karen Mulryan  
Environmental Scientist

**MKO**

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Iarnrod Éireann Irish Rail, a designated activity company, limited by shares, registered in Ireland at Connolly Station, Dublin 1, No. 119571 VAT No. IE 4812851 O

## Shaun Doolin

---

**From:** padraig.condon@bt.com  
**Sent:** Friday 12 February 2021 12:45  
**To:** Karen Mulryan  
**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Hi Karen,  
I can confirm the proposed development will have no impact on the BT Ireland radio network.

Regards

**Padraig Condon**  
**Core Network Operations**

**Tel:** +353014326819  
**Mobile number:** +353 86 604 0636  
**BT Meetme:** + 353 1 6569053  
**E-mail** [padraig.condon@bt.com](mailto:padraig.condon@bt.com)  
<https://www.webjoin.com/>  
**Participant:** 40342233#  
**Web:** [www.btireland.com](http://www.btireland.com)



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**From:** Karen Mulryan <kmulryan@mkoireland.ie>  
**Sent:** 12 February 2021 10:39  
**To:** Condon,PG,Padraig,NQE32E R <padraig.condon@bt.com>  
**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Good morning Padraig,

I previously contacted you with a proposed wind farm development at Ballivor on the Meath/Westmeath border. I do not believe there are any ESB issues with the site; however, I would like to send you the proposed final turbine locations for your records.

Please see attached. If you have any comments, please let us know.

Kind regards,

Karen.



Karen Mulryan  
Environmental Scientist

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**From:** [padraig.condon@bt.com](mailto:padraig.condon@bt.com) <[padraig.condon@bt.com](mailto:padraig.condon@bt.com)>

**Sent:** Thursday 7 May 2020 18:54

**To:** Karen Mulryan <[kmulryan@mkoireland.ie](mailto:kmulryan@mkoireland.ie)>

**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Hi Karen,

I can confirm the planned development will have no impact on the BT Ireland microwave network.

Regards

**Padraig Condon**  
**Core Network Operations**

**Tel:** +353014326819

**Mobile number:** +353 86 604 0636

**BT Meetme:** + 353 1 6569053

**E-mail** [padraig.condon@bt.com](mailto:padraig.condon@bt.com)

<https://www.webjoin.com/>

**Participant:** 40342233#

**Web:** [www.btireland.com](http://www.btireland.com)



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**From:** Karen Mulryan [<mailto:kmulryan@mkoireland.ie>]

**Sent:** 07 May 2020 17:37

**To:** Condon,PG,Padraig,NQE32E R <[padraig.condon@bt.com](mailto:padraig.condon@bt.com)>

**Subject:** 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Good afternoon,

MKO is preparing an Environmental Impact Assessment Report (EIAR) for a proposed Bórd na Móna Powergen Ltd wind energy development at Ballivor and the surrounding townlands located at the Meath-Westmeath border. The proposed development will be located on 5 bogs and will be referred to as the Ballivor Wind Farm. The site is located approximately 2.2km west of Ballivor Village, Co. Meath, and 3.7km east of Raharney and 2.5km south-southeast of Devlin, which are both located in Co. Westmeath.

The proposed project will likely encompass 25-35 turbines and will have an output of at least 50megawatts. Should the project be of this scale, an application will be made to An Bord Planeála seeking a determination in relation to the SID status, or otherwise, of the proposed wind energy development. If the board determine that the development is indeed SID, the planning application will be submitted directly to An Bord Planeála, under the provision of the Planning and Development (Strategic Infrastructure) Act 2006. Should the project be of a scale lower than the SID thresholds, an application for planning permission will be made to Meath and Westmeath County Councils.

As part of the EIA process, we would welcome any comments that you may 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,

Karen.



Karen Mulryan  
Environmental Scientist

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Ireland, H91 VW84  
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## Shaun Doolin

---

**From:** Dominic Crudden <dominic.crudden@emrsolutions.ie>  
**Sent:** Friday 12 February 2021 12:02  
**To:** Karen Mulryan  
**Cc:** info  
**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Thank you Karen.

Regards,

**Dominic Crudden**

Business Development Manager at [EMR Integrated Solutions](#)

<https://emr.ie/industries/renewable-energy>

---

**From:** Karen Mulryan [mailto:kmulryan@mkoireland.ie]  
**Sent:** Friday 12 February 2021 10:48  
**To:** Dominic Crudden <dominic.crudden@emrsolutions.ie>  
**Cc:** info <info@emrsolutions.ie>  
**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Good morning Dominic,

I previously contacted you with a proposed wind farm development at Ballivor on the Meath/Westmeath border. I do not believe there are any link issues with the site; however, I would like to send you the proposed final turbine locations for your records.

Please see attached. If you have any comments, please let us know.

Kind regards,

Karen.



Karen Mulryan  
Environmental Scientist

**MKO**  
Tuam Road, Galway  
Ireland, H91 VW84  
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---

**From:** Dominic Crudden <[dominic.crudden@emrsolutions.ie](mailto:dominic.crudden@emrsolutions.ie)>  
**Sent:** Friday 15 May 2020 15:50  
**To:** Karen Mulryan <[kmulryan@mkoireland.ie](mailto:kmulryan@mkoireland.ie)>  
**Cc:** info <[info@emrsolutions.ie](mailto:info@emrsolutions.ie)>  
**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Good afternoon Karen,

EMR Integrated Solutions do not have any radio links which are likely to be impacted by this development.

If you have any queries please let me know.

Regards,

**Dominic Crudden**  
Business Development



Mobile: +353 (86) 7712819  
DDI: +353 (1) 2552056  
Office: +353 (1) 8013131  
Fax: +353 (1) 8013166  
Email: [dominic.crudden@emrsolutions.ie](mailto:dominic.crudden@emrsolutions.ie)  
Website: <https://emr.ie/>



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**From:** Karen Mulryan [<mailto:kmulryan@mkoireland.ie>]  
**Sent:** Thursday 7 May 2020 17:52  
**To:** Dominic Crudden <[dominic.crudden@emrsolutions.ie](mailto:dominic.crudden@emrsolutions.ie)>  
**Cc:** info <[info@emrsolutions.ie](mailto:info@emrsolutions.ie)>  
**Subject:** 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Good afternoon,

MKO is preparing an Environmental Impact Assessment Report (EIAR) for a proposed Bórd na Móna Powergen Ltd wind energy development at Ballivor and the surrounding townlands located at the Meath-Westmeath border. The proposed development will be located on 5 bogs and will be referred to as the Ballivor Wind Farm. The site is located approximately 2.2km west of Ballivor Village, Co. Meath, and 3.7km east of Raharney and 2.5km south-southeast of Devlin, which are both located in Co. Westmeath.

The proposed project will likely encompass 25-35 turbines and will have an output of at least 50megawatts. Should the project be of this scale, an application will be made to An Bord Planeála seeking a determination in relation to

the SID status, or otherwise, of the proposed wind energy development. If the board determine that the development is indeed SID, the planning application will be submitted directly to An Bord Planeála, under the provision of the Planning and Development (Strategic Infrastructure) Act 2006. Should the project be of a scale lower than the SID thresholds, an application for planning permission will be made to Meath and Westmeath County Councils.

As part of the EIA process, we would welcome any comments that you may 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,

Karen.



Karen Mulryan  
Environmental Scientist

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Ireland, H91 VW84  
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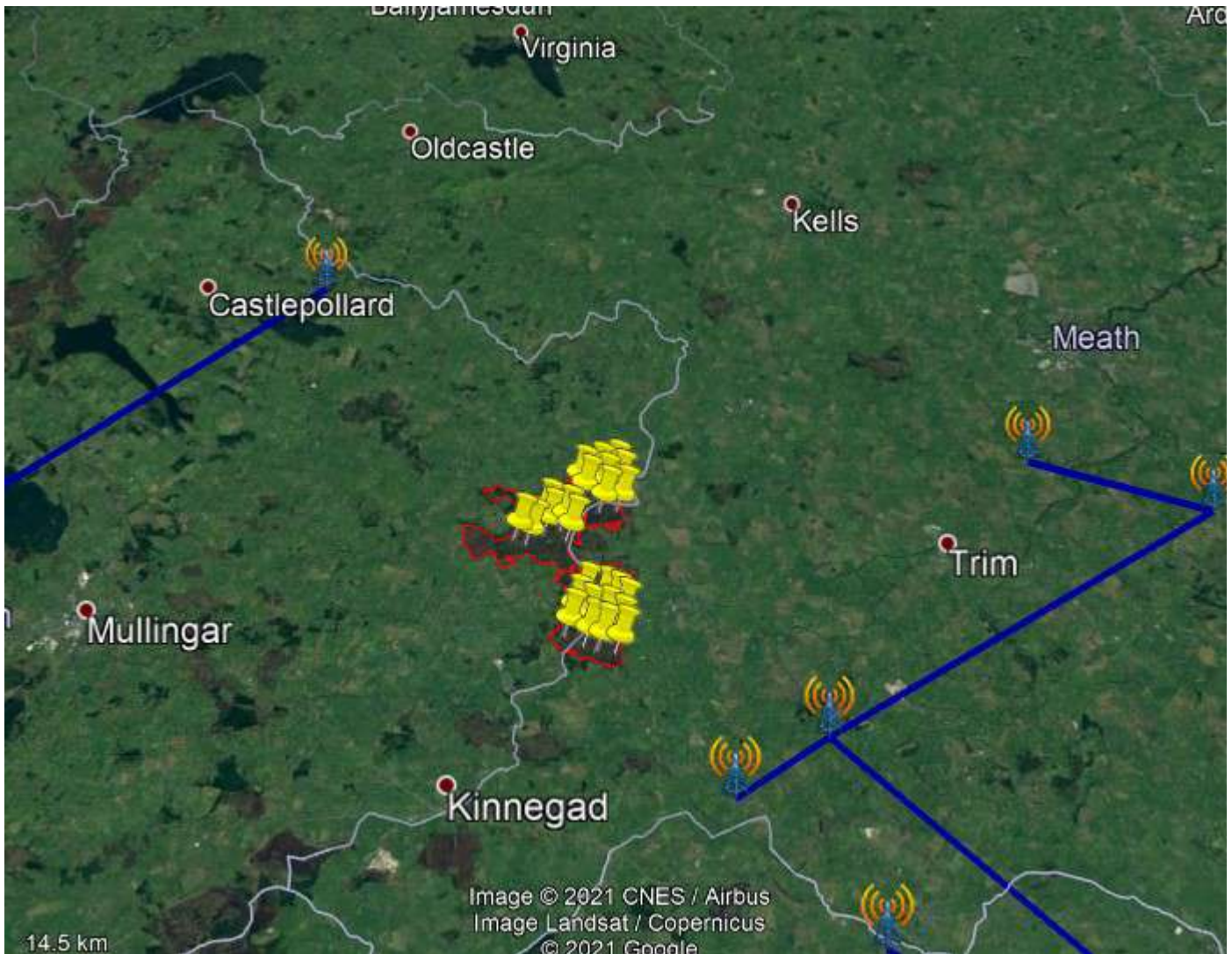
## Shaun Doolin

---

**From:** Adrian Carroll <[adrian.carroll@ripplecom.net](mailto:adrian.carroll@ripplecom.net)>  
**Sent:** Friday 12 February 2021 11:27  
**To:** Karen Mulryan; Licensing; Ripplecom Support  
**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Hi Karen,

That shouldn't affect us, see below.




Regards,

**Adrian Carroll** | Network Operations Manager

T: 061 5711561 M: 086 8372264

E: [adrian.carroll@ripplecom.net](mailto:adrian.carroll@ripplecom.net) | W: [ripplecom.net](http://ripplecom.net)

Houston Hall, Raheen Business Park, Limerick, V94 PKF1

 Available Contactable Adaptable

**From:** Karen Mulryan <[kmulryan@mkoireland.ie](mailto:kmulryan@mkoireland.ie)>

**Sent:** 12 February 2021 10:50

**To:** Adrian Carroll <[adrian.carroll@ripplecom.net](mailto:adrian.carroll@ripplecom.net)>; Licensing <[licensing@ripplecom.net](mailto:licensing@ripplecom.net)>; Ripplecom Support <[support@ripplecom.net](mailto:support@ripplecom.net)>

**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Good morning Adrian,

I previously contacted you with a proposed wind farm development at Ballivor on the Meath/Westmeath border. I do not believe there are any link issues with the site; however, I would like to send you the proposed final turbine locations for your records.

Please see attached. If you have any comments, please let us know.

Kind regards,

Karen



Karen Mulryan  
Environmental Scientist

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Ireland, H91 VW84  
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**From:** Adrian Carroll <[adrian.carroll@ripplecom.net](mailto:adrian.carroll@ripplecom.net)>

**Sent:** Thursday 9 July 2020 16:00

**To:** Karen Mulryan <[kmulryan@mkoireland.ie](mailto:kmulryan@mkoireland.ie)>; Licensing <[licensing@ripplecom.net](mailto:licensing@ripplecom.net)>; Ripplecom Support <[support@ripplecom.net](mailto:support@ripplecom.net)>

**Subject:** RE: 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.



Hi Karen,

This will not impact our links.

Regards,

**Adrian Carroll** | Network Operations Manager

T: 061 5711561 M: 086 8372264

E: [adrian.carroll@ripplecom.net](mailto:adrian.carroll@ripplecom.net) | W: [ripplecom.net](http://ripplecom.net)

Houston Hall, Raheen Business Park, Limerick, V94 PKF1



---

**From:** Karen Mulryan <[kmulryan@mkoireland.ie](mailto:kmulryan@mkoireland.ie)>

**Sent:** 09 July 2020 15:51

**To:** Licensing <[licensing@ripplecom.net](mailto:licensing@ripplecom.net)>; Ripplecom Support <[support@ripplecom.net](mailto:support@ripplecom.net)>

**Subject:** 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Good afternoon,

I previously sent the attached document two months ago Diarmuid O'Briain and Piotr Zurek but I have not a reply. Comreg has asked us to contact you in case there are any potential Ripplecom links or assets that run through the proposed site boundary.

Would you be able to review the attached? Could you let us know of any links you have going through the site and if any, what recommended buffers you would require from the rotor blade tips?

We would appreciate a response at your earliest convenience.

Kind regards,

Karen.



Karen Mulryan  
Environmental Scientist

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**From:** Karen Mulryan

**Sent:** 08 May 2020 10:16

**To:** [Diarmuid.obriain@ripplecom.net](mailto:Diarmuid.obriain@ripplecom.net); [piotr.zurek@ripplecom.net](mailto:piotr.zurek@ripplecom.net)

**Subject:** 191137 Proposed Bord na Móna Powergen Ltd Wind Farm Development at Ballivor, Meath/Westmeath.

Good morning,

MKO is preparing an Environmental Impact Assessment Report (EIAR) for a proposed Bórd na Móna Powergen Ltd wind energy development at Ballivor and the surrounding townlands located at the Meath-Westmeath border. The proposed development will be located on 5 bogs and will be referred to as the Ballivor Wind Farm. The site is located approximately 2.2km west of Ballivor Village, Co. Meath, and 3.7km east of Raharney and 2.5km south-southeast of Devlin, which are both located in Co. Westmeath.

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As part of the EIA process, we would welcome any comments that you may 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,

Karen.



Karen Mulryan  
Environmental Scientist

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