



APPENDIX 2-1

***EIAR Scoping Exercise
Responses***

Edward Ryan

From: Natalia Stolarska
Sent: Friday 21 June 2024 15:48
To: 'planning@antaisce.org'
Cc: Jonny Fearon; Eoin McCarthy
Subject: RE: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary
Attachments: Carrow Scoping Document F1 (Reduced Size) - 2024.03.26 - 231102.pdf; An Taisce Cover Letter.pdf

Hi Ms Duvall,

I just wanted to follow up on the below scoping request for the Proposed Carrow Wind Farm Development, Co. Tipperary. If you could return any comments or suggestions at your earliest convenience, it would be much appreciated.

Kind regards,
Natalia.

Natalia Stolarska BSc. MSc.
Graduate Environmental Scientist

MKO

Tuam Road, Galway, H91 VW84

Offices in Galway and Dublin
mkoireland.ie | +353 (0)91 735 611



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From: Natalia Stolarska
Sent: Thursday, March 28, 2024 9:01 AM
To: planning@antaisce.org
Cc: Jonny Fearon <jfearon@mkoireland.ie>; Eoin McCarthy <emccarthy@mkoireland.ie>
Subject: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

Dear Ms Duvall,

MKO is preparing an Environmental Impact Assessment Report (EIAR) and Natura Impact Statement (NIS) to accompany a planning application, on behalf of Carrow Renewable Energy Ltd, for a proposed wind farm development located at Carrow and surrounding townlands, north of Dundrum, approximately 2km south of Hollyford, Co. Tipperary.

The proposed project will likely encompass up to 8 no. wind turbines, access roads and entrance(s), borrow pit(s), on site 38kV electricity substation, electrical cabling for grid connection, temporary construction compounds, temporary turbine delivery junction accommodation works, and a permanent meteorological mast. It is anticipated the development will not meet the Strategic Infrastructure Development (SID) thresholds of 25 no. turbines or 50 Megawatts (MW) for wind energy as set out in the 7th Schedule of the Planning and Development Act 2000, (as amended). In this regard, it is intended to submit the planning permission application to Tipperary County Council.

Please see attached a Cover Letter and Scoping Document providing details of the proposed project. As part of the EIA process, we would welcome any comments that you might have in relation to the Proposed Development, 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. If you could return any comments or suggestions at your earliest convenience, it would be much appreciated.

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Evan Connolly

From: Evan Connolly
Sent: Friday 11 October 2024 14:18
To: 'planning@antaisce.org'
Cc: Jonny Fearon
Subject: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary
Attachments: An Taisce Cover Revision Letter.pdf; Carrow Scoping Revision Document F - 2024.10.10- 231102.pdf

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From: Natalia Stolarska
Sent: Friday 21 June 2024 15:47
To: 'planning@antaisce.org' <planning@antaisce.org>

Cc: Jonny Fearon <jfearon@mkoireland.ie>; Eoin McCarthy <emccarthy@mkoireland.ie>
Subject: RE: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

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Edward Ryan

From: Natalia Stolarska
Sent: Friday 21 June 2024 15:49
To: 'planning@airnav.ie'
Cc: Jonny Fearon; Eoin McCarthy
Subject: RE: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary
Attachments: Aviation Navigation Ireland Scoping Cover Letter.pdf; Carrow Scoping Document F1 (Reduced Size) - 2024.03.26 - 231102.pdf

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From: Natalia Stolarska
Sent: Thursday, March 28, 2024 9:04 AM
To: planning@airnav.ie
Cc: Jonny Fearon <jfearon@mkoireland.ie>; Eoin McCarthy <emccarthy@mkoireland.ie>
Subject: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

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Evan Connolly

From: Evan Connolly
Sent: Thursday 10 October 2024 17:17
To: Christophe O'BRIEN
Subject: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary
Attachments: IAA Scoping Revised Cover Letter .pdf; Carrow Scoping Revision Document F - 2024.10.10- 231102.pdf

Dear Mr. O'Brien

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From: Christophe O'BRIEN <Christophe.O'BRIEN@IAA.ie>
Sent: Thursday 28 March 2024 10:12
To: Natalia Stolarska <nstolarska@mkoireland.ie>
Cc: Planning <planning@iaa.ie>; Jonny Fearon <jfearon@mkoireland.ie>; Eoin McCarthy

<emccarthy@mkoireland.ie>

Subject: RE: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

You don't often get email from christophe.o'brien@iaa.ie. [Learn why this is important](#)

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Good morning Natalia,

As no proposed turbine locations or blade tip heights appear to be provided in the documentation, the IAA can only offer very high-level comments at this time.

As identified in the list of consultees, Air Nav Ireland (listed as Aviation Navigation Ireland in Table-1?) and Shannon Airport (Shannon Airport Authority) should both be consulted in relation to the proposal for the potential impact on both Shannon Airport and en route communication, navigation and surveillance aids.

Please contact: planning@airnav.ie & paul.hennessy@snnairportgroup.ie

In general terms, the IAA has no specific requirements for inclusion in the scoping reports based on the very high-level information presented. More formal observations can be provided when an indicative scheme of turbine coordinates and positions / blade tip heights are available.

If a formal planning application is progressed, it is likely that the following general observations would be proffered by the Authority during the planning process:

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 blade 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

M: +353 (0) 86 33 22022 |

E: obrienc@iaa.ie | www.iaa.ie

The Times Building, 11-12 D'Olier Street, Dublin 2, D02 T449



ÚDARÁS EITLÍOCHTA NA hÉIREANN
IRISH AVIATION AUTHORITY

From: Natalia Stolarska <nstolarska@mkoireland.ie>

Sent: Thursday, March 28, 2024 9:43 AM

To: Planning <planning@iaa.ie>

Cc: Christophe O'BRIEN <Christophe.O'BRIEN@IAA.ie>; Jonny Fearon <jfearon@mkofireland.ie>; Eoin McCarthy <emccarthy@mkofireland.ie>

Subject: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

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

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Office: The Times Building, 11-12 D'Olier Street, Dublin 2. D02 T449 Registered Number: 211082

Place of Registration: Ireland A limited liability company

=====
=====

Edward Ryan

From: Dawn Quinn <admin@batconservationireland.org>
Sent: Friday 1 November 2024 11:01
To: Evan Connolly
Cc: Jonny Fearon
Subject: RE: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

Caution: This is an external email and may be malicious. Please take care when clicking links or opening attachments.

Dear Evan,

Thank you for your e-mail.

Unfortunately, as Bat Conservation Ireland is a very small organisation, with limited resources, we do not have the capacity to get involved in planning issues.

Please note that Bat Conservation Ireland is concerned that a request for our input/consultation/opinion/assistance on planning applications and reports, or objections/comments on same, can sometimes imply that we have been consulted for our opinion on planning matters when Bat Conservation Ireland does not, in fact, provide opinions or comments on developments. Therefore, please note that this response should not be construed as a consultation with Bat Conservation Ireland regarding any planning or development matter or proposal. In order to avoid misunderstandings, please do not use this terminology in your reports to describe this transaction.

Thank you for your understanding.

Yours sincerely

Dawn Quinn
Administrative Manager
Bat Conservation Ireland

Postal/Registered Address: Carmichael House, 4-7, North Brunswick Street, Dublin 7, D07 RHA8.

E-mail: admin@batconservationireland.org

Website: www.batconservationireland.org

Social Media: [Bat Conservation Ireland - Home](#) | [Facebook](#) | <https://twitter.com/BatConservIre>



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Bat Conservation Ireland. Company Limited by Guarantee (CRO) No. 494343. Charity Number (CRA): 20039417.

Website: www.batconservationireland.org | Registered Address: Carmichael House, 4-7, North Brunswick Street, Dublin 7, D07 RHA8.

From: Evan Connolly <econnolly@mkoireland.ie>

Sent: Friday 11 October 2024 12:57

To: Dawn Quinn <admin@batconservationireland.org>

Cc: Jonny Fearon <jfearon@mkoireland.ie>

Subject: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

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From: Natalia Stolarska
Sent: Friday 21 June 2024 15:51
To: 'tinaa@batconservationireland.org' <tinaa@batconservationireland.org>
Cc: Jonny Fearon <jfearon@mkoireland.ie>; Eoin McCarthy <emccarthy@mkoireland.ie>
Subject: RE: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

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From: Natalia Stolarska
Sent: Thursday, March 28, 2024 9:06 AM
To: tinaa@batconservationireland.org
Cc: Jonny Fearon <jfearon@mkoireland.ie>; Eoin McCarthy <emccarthy@mkoireland.ie>
Subject: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

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Edward Ryan

From: Natalia Stolarska
Sent: Friday 21 June 2024 15:52
To: 'info@birdwatchireland.ie'
Cc: Eoin McCarthy; Jonny Fearon
Subject: RE: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary- FAO Policy and Advocacy Team
Attachments: BWI Scoping Cover Letter.pdf; Carrow Scoping Document F1 (Reduced Size) - 2024.03.26 - 231102.pdf

Dear Sir/Madam,

I just wanted to follow up on the below scoping request for the Proposed Carrow Wind Farm Development, Co. Tipperary. If you could return any comments or suggestions at your earliest convenience, it would be much appreciated.

Kind regards,
Natalia.

Natalia Stolarska BSc. MSc.
Graduate Environmental Scientist

MKO

Tuam Road, Galway, H91 VW84

Offices in Galway and Dublin
mkoireland.ie | +353 (0)91 735 611



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From: Natalia Stolarska
Sent: Thursday, March 28, 2024 9:10 AM
To: 'info@birdwatchireland.ie' <info@birdwatchireland.ie>
Cc: Eoin McCarthy <emccarthy@mkoireland.ie>; Jonny Fearon <jfearon@mkoireland.ie>
Subject: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary- FAO Policy and Advocacy Team

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Evan Connolly

From: Evan Connolly
Sent: Friday 11 October 2024 12:44
To: 'info@birdwatchireland.ie'
Cc: Jonny Fearon
Subject: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary
Attachments: BWI Scoping Revision Cover Letter.pdf; Carrow Scoping Revision Document F - 2024.10.10- 231102.pdf

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Evan

Evan Connolly BSc. MSc.
Graduate Environmental Scientist

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9C Beckett Way, Park West
Business Park, Dublin, D12 XN9W



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From: Natalia Stolarska
Sent: Friday 21 June 2024 15:52
To: 'info@birdwatchireland.ie' <info@birdwatchireland.ie>

Cc: Eoin McCarthy <emccarthy@mkoireland.ie>; Jonny Fearon <jfearon@mkoireland.ie>

Subject: RE: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary- FAO Policy and Advocacy Team

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Natalia Stolarska

From: Roger Woods <rwoods@cnam.ie>
Sent: Thursday 28 March 2024 16:30
To: Natalia Stolarska
Cc: Jonny Fearon; Eoin McCarthy
Subject: RE: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

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Hi Natalia

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Regards

Roger

Senior Executive Engineer

*My email address has now changed to rwoods@cnam.ie, please update your address book accordingly.
Tá mo sheoladh ríomhphoist athraithe anois go rwoods@cnam.ie, dá réir sin déan do leabhar seoltaí a uasdátú, le do thoil.*

Coimisiún na Meán | 1 Áras Shíol Bhroinn, Bóthar Shíol Bhroinn, Baile Átha Cliath D04 NP20, Éire
Coimisiún na Meán | Shelbourne Buildings, Shelbourne Road, Dublin 4, D04 NP20, Ireland
T: + 353 (0)1 644 1200 | rwoods@cnam.ie



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

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Please consider the environment before printing this email

From: Natalia Stolarska <nstolarska@mkoireland.ie>
Sent: Thursday, March 28, 2024 9:12 AM
To: Roger Woods <rwoods@cnam.ie>
Cc: Jonny Fearon <jfearon@mkoireland.ie>; Eoin McCarthy <emccarthy@mkoireland.ie>
Subject: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

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Evan Connolly

From: Roger Woods <rwoods@cnam.ie>
Sent: Friday 11 October 2024 14:15
To: Evan Connolly
Cc: Jonny Fearon
Subject: RE: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

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Regards

Roger
Innealtóir Feidhmiúcháin Sinsearach | Senior Executive Engineer

T: +353 (0)1 644 1200 | rwoods@cnam.ie



1 Áras Shíol Bhroinn, Bóthar Shíol Bhroinn, Baile Átha Cliath, D04 NP20, Éire.
1 Shelbourne Buildings, Shelbourne Road, Dublin, D04 NP20, Ireland.

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

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Déan machnamh ar an timpeallacht, le do thoil, roimh an ríomhphost seo a phriontáil.

Please consider the environment before printing this email.

From: Evan Connolly <econnolly@mkoireland.ie>
Sent: Friday 11 October 2024 12:38
To: Roger Woods <rwoods@cnam.ie>
Cc: Jonny Fearon <jfearon@mkoireland.ie>
Subject: RE: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

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Coimisiún na Meán | 1 Áras Shíol Bhroinn, Bóthar Shíol Bhroinn, Baile Átha Cliath D04 NP20, Éire
Coimisiún na Meán | Shelbourne Buildings, Shelbourne Road, Dublin 4, D04 NP20, Ireland
T: + 353 (0)1 644 1200 | rwoods@cnam.ie



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Edward Ryan

From: Natalia Stolarska
Sent: Friday 21 June 2024 15:53
To: 'planning@cru.ie'
Cc: Eoin McCarthy; Jonny Fearon
Subject: RE: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary
Attachments: Carrow Scoping Document F1 (Reduced Size) - 2024.03.26 - 231102.pdf; CRUWE Scoping Cover Letter.pdf

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From: Natalia Stolarska
Sent: Thursday, March 28, 2024 9:13 AM
To: planning@cru.ie
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Evan Connolly

From: Evan Connolly
Sent: Friday 11 October 2024 12:31
To: Natalia Stolarska
Cc: Jonny Fearon
Subject: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary
Attachments: CRUWE Scoping Revision Cover Letter.pdf; Carrow Scoping Revision Document F - 2024.10.10- 231102.pdf

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From: Natalia Stolarska
Sent: Friday 21 June 2024 15:53
To: 'planning@cru.ie' <planning@cru.ie>

Cc: Eoin McCarthy <emccarthy@mkoireland.ie>; Jonny Fearon <jfearon@mkoireland.ie>
Subject: RE: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

Dear Sir/Madam

I just wanted to follow up on the below scoping request for the Proposed Carrow Wind Farm Development, Co. Tipperary. If you could return any comments or suggestions at your earliest convenience, it would be much appreciated.

Kind regards,
Natalia.

Natalia Stolarska BSc. MSc.
Graduate Environmental Scientist

MKO

Tuam Road, Galway, H91 VW84

Offices in Galway and Dublin
mkoireland.ie | +353 (0)91 735 611



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From: Natalia Stolarska
Sent: Thursday, March 28, 2024 9:13 AM
To: planning@cru.ie
Cc: Eoin McCarthy <emccarthy@mkoireland.ie>; Jonny Fearon <jfearon@mkoireland.ie>
Subject: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

Dear Sir/Madam,

MKO is preparing an Environmental Impact Assessment Report (EIAR) and Natura Impact Statement (NIS) to accompany a planning application, on behalf of Carrow Renewable Energy Ltd, for a proposed wind farm development located at Carrow and surrounding townlands, north of Dundrum, approximately 2km south of Hollyford, Co. Tipperary.

The proposed project will likely encompass up to 8 no. wind turbines, access roads and entrance(s), borrow pit(s), on site 38kV electricity substation, electrical cabling for grid connection, temporary construction compounds, temporary turbine delivery junction accommodation works, and a permanent meteorological mast. It is anticipated the development will not meet the Strategic Infrastructure Development (SID) thresholds of 25 no. turbines or 50 Megawatts (MW) for wind energy as set out in the 7th Schedule of the Planning and Development Act 2000, (as amended). In this regard, it is intended to submit the planning permission application to Tipperary County Council.

Please see attached a Cover Letter and Scoping Document providing details of the proposed project. As part of the EIA process, we would welcome any comments that you might have in relation to the Proposed Development, 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. 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,
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Evan Connolly

From: Environmental Co-ordination (Inbox) <Environmental_Co-ordination@agriculture.gov.ie>
Sent: Friday 22 November 2024 10:34
To: Evan Connolly
Cc: Jonny Fearon
Subject: FW: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

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Good morning,

The Department welcomes the opportunity to provide input to this application. It seems this activity does not fall within the remit of the EIA (Agriculture) Regulations under DAFM and therefore, once relevant environmental and planning regulations are met, DAFM has no comment at this stage of the consultation process.

Regards,
Environmental Co-ordination Unit

From: Evan Connolly <econnolly@mkoireland.ie>
Sent: Friday, October 11, 2024 12:21 PM
To: Environmental Co-ordination (Inbox) <Environmental_Co-ordination@agriculture.gov.ie>
Cc: Jonny Fearon <jfearon@mkoireland.ie>
Subject: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

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To whom it may concern,

MKO is preparing an Environmental Impact Assessment Report (EIAR) and Natura Impact Statement (NIS) to accompany a planning application, on behalf of Carrow Renewable Energy Ltd, for a proposed wind farm development located at Carrow and surrounding townlands, north of Dundrum, approximately 2km south of Hollyford, Co. Tipperary.

An initial round of scoping was conducted in March 2024 and since that time, the project has evolved. This email and the attached Revised Scoping Document and Letter provide an update on the project.

As part of the EIA process, we would welcome any comments that you might have in relation to the Proposed Development, 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. 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,
Evan

Evan Connolly BSc. MSc.
Graduate Environmental Scientist

MKO

9C Beckett Way, Park West
Business Park, Dublin, D12 XN9W



Offices in Galway and Dublin
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From: Environmental Co-ordination (Inbox) <Environmental_Co-ordination@agriculture.gov.ie>
Sent: Tuesday 30 July 2024 10:54
To: Natalia Stolarska <nstolarska@mkoireland.ie>
Subject: FW: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

You don't often get email from environmental_co-ordination@agriculture.gov.ie. [Learn why this is important](#)

Caution: This is an external email and may be malicious. Please take care when clicking links or opening attachments.

Good morning,

The Department welcomes the opportunity to provide input to this application. It seems this activity does not fall within the remit of the EIA Regulations under DAFM and therefore, once relevant environmental and planning regulations are met, DAFM has no comment at this stage of the consultation process. However, there is a mention of drainage and the proposed works are within agricultural land, and in this instance please be cognisant of the requirements of the EIA (Agriculture) Regulations.

Regards,

Environmental Co-ordination Unit

From: Natalia Stolarska <nstolarska@mkoireland.ie>
Sent: Friday, June 21, 2024 3:54 PM
To: Environmental Co-ordination (Inbox) <Environmental_Co-ordination@agriculture.gov.ie>
Cc: Jonny Fearon <jfearon@mkoireland.ie>; Eoin McCarthy <emccarthy@mkoireland.ie>
Subject: RE: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

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From: Natalia Stolarska
Sent: Thursday, March 28, 2024 9:15 AM
To: 'environmentalco-ordination@agriculture.gov.ie' <environmentalco-ordination@agriculture.gov.ie>
Cc: Jonny Fearon <jfearon@mkoireland.ie>; Eoin McCarthy <emccarthy@mkoireland.ie>
Subject: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

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

Kind regards,
Natalia.

Natalia Stolarska
Graduate Environmental Scientist

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An Roinn Talmhaíochta, Bia agus Mara

Tá an t-eolas sa ríomhphost seo, agus in aon cheangaltáin leis, faoi rún agus tá sé dírithe ar an bhfaighteoir/na faighteoirí beartaithe amháin agus níor cheart ach dóibh siúd é a úsáid. D'fhéadfadh an t-eolas seo a bheith faoi réir pribhléid dhlíthiúil agus ghairmiúil. Mura tusa faighteoir beartaithe an

ríomhphoist seo, níor cheart duit an teachtaireacht seo, nó aon chuid di, a úsáid, a nochtadh, a chóipeáil, a dháileadh nó a choinneáil. Má fuair tú an ríomhphost seo go hearráideach, cuir an seoltóir ar an eolas láithreach agus scrios gach cóip den ríomhphost seo ó chóra(i)s do ríomhaire, le do thoil.

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Evan Connolly

From: DECC Planning Advisory <PlanningAdvisory@decc.gov.ie>
Sent: Tuesday 22 October 2024 12:18
To: Evan Connolly
Cc: DECC GSI Planning; DECC Planning Notifications
Subject: FW: EIS 24/356 - EIA Scoping Request for Proposed Carrow Wind Farm Development, Co Tipperary

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Dear Evan,

Further to your email below and its attachments, DECC/GSI have no further comments to make since our last response 24/130 of April 2024.

Yours sincerely,
Planning Advisory Division

Planning Advisory Division

An Roinn Comhshaoil, Aeráide agus Cumarsáide
Department of the Environment, Climate and Communications

Teach Tom Johnson, Bóthar Haddington, Baile Átha Cliath, D04 K7X4
Tom Johnson House, Haddington Road, Dublin, D04 K7X4

From: Evan Connolly <econnolly@mkoireland.ie>
Sent: Friday, October 11, 2024 10:29 AM
To: Patricia Smullen (DECC) <Trish.Smullen@gsi.ie>
Cc: Jonny Fearon <jfearon@mkoireland.ie>; DECC Planning Notifications <PlanningNotifications@decc.gov.ie>
Subject: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

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Dear Ms. Smullen,

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An initial round of scoping was conducted in March 2024 and since that time, the project has evolved. This email and the attached Revised Scoping Document and Letter provide an update on the project.

As part of the EIA process, we would welcome any comments that you might have in relation to the Proposed Development, 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. 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,
Evan

Evan Connolly BSc. MSc.
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9C Beckett Way, Park West
Business Park, Dublin, D12 XN9W



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From: Patricia Smullen (DECC) <Trish.Smullen@gsi.ie>

Sent: Thursday 28 March 2024 09:37

To: Natalia Stolarska <nstolarska@mkoireland.ie>

Subject: Automatic reply: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

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I am out of the office until Tuesday 02 April.

For planning related queries please email GSI Planning at GSIPlanning@decc.gov.ie

For geology related queries please email the Duty Geologist at Duty.Geologist@decc.gov.ie



Natalia Stolarska
MKO
Tuam Road
Galway H91 VW84

16 April 2024

Re: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co Tipperary

Your Ref: 231102

Our Ref: 24/130

Dear Natalia,

Geological Survey Ireland is the national earth science agency and is a division of the Department of the Environment, Climate and Communications. We provide independent geological information and gather various data for that purpose. Please see our [website](#) for data availability. We recommend using these various data sets, when conducting the EIAR, SEA, planning and scoping processes. Use of our data or maps should be attributed correctly to 'Geological Survey Ireland'.

The publicly available data referenced/presented here, should in no way be construed as Geological Survey Ireland support for or objection to the proposed development or plan. The data is made freely available to all and can be used as independent scientific data in assessments, plans or policies. It should be noted that in many cases this data is a baseline or starting point for further site specific assessments.

With reference to your email received on the 28 March 2024, concerning the EIA Scoping Request for the proposed Carrow Wind Farm Development, Co Tipperary, Geological Survey Ireland would encourage use of and reference to our datasets. Please find attached a list of our publicly available datasets that may be useful to the environmental assessment and planning process. We recommend that you review this list and refer to any datasets you consider relevant to your assessment. The remainder of this letter and following sections provide more detail on some of these datasets.

Geoheritage

A national inventory of geoheritage sites known as County Geological Sites (CGSs) is managed by the Geoheritage Programme of Geological Survey Ireland. CGSs, as adopted under the National Heritage Plan, include sites that are of national importance which have been selected as the very best examples for NHA (Natural Heritage Areas) designation. NHA designation will be completed in partnership with the National Parks and Wildlife Service (NPWS). CGSs are now routinely included in County Development Plans and in the GIS of planning departments, to ensure the recognition and appropriate protection of geological heritage within the planning system. CGSs can be viewed online under the Geological Heritage tab on the online [Map Viewer](#).

The audit for Co. Tipperary was carried out in 2019. The full report details can be found [here](#). **Our records show that there are no CGSs in the vicinity of the proposed wind farm.**

Groundwater

Geological Survey Ireland's [Groundwater and Geothermal Unit](#), provides advice, data and maps relating to groundwater distribution, quality and use, which is especially relevant for safe and secure drinking water supplies and healthy ecosystems. Proposed developments need to consider any potential impact on specific groundwater abstractions and on groundwater resources in general. We recommend using the groundwater maps on our [Map viewer](#) which should include: wells; drinking water source protection areas; the national map suite - aquifer, groundwater vulnerability, groundwater recharge and subsoil permeability maps. For areas underlain by limestone, please refer to the karst specific data layers (karst features, tracer test database; turlough water levels (gwlevel.ie). Background information is also provided in the Groundwater Body Descriptions. Please read all disclaimers carefully when using Geological Survey Ireland data.

The Groundwater Data Viewer indicates aquifers classed as a 'Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones', a 'Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones' and a 'Locally important gravel aquifer' underlie the proposed windfarm development.



The Groundwater Vulnerability map indicates the range of groundwater vulnerabilities within the area covered is variable. We would therefore recommend use of the Groundwater Viewer to identify areas of High to Extreme Vulnerability and 'Rock at or near surface' in your assessments, as any groundwater-surface water interactions that might occur would be greatest in these areas.

Our records show that there is a groundwater drinking water abstraction [Ironmills Public Water Supply Scheme](#) (PWSS) with a zone of contribution/source protection area within the grid connection route and EIAR Site Boundary. Key to groundwater protection in general, and protection of specific drinking water supplies, is preventing ingress of runoff to the aquifer. Design of drainage will need to be cognisant of the public water schemes and the interactions between surface water and groundwater as well as run-off. Appropriate design should be undertaken by qualified and competent persons to include mitigation measures as necessary, such as SUDs or other drainage mitigation measures.

Any excavation/cuttings required for realignment should ensure that groundwater flow within the zones of contribution to the groundwater abstraction points is not disrupted, resulting in diminished yields. Note that there could be other groundwater abstractions in the locality for which Geological Survey Ireland has not undertaken studies, and a robust assessment should be undertaken by qualified and competent persons including a survey of all current wells and water abstractions within the vicinity.

Given the nearby drinking water sources (Public Water Scheme), the effects of any potential contamination as a result of the project would need to be assessed.

[GWClimate](#) is a groundwater monitoring and modelling project that aims to investigate the impact of climate change on groundwater in Ireland. This is a follow on from a previous project (GWFlood) and the data may be useful in relation to Flood Risk Assessment (FRA) and management plans. Maps and data are available on the [Map viewer](#).

Geological Survey Ireland has completed Groundwater Protection Schemes (GWPSs) in partnership with Local Authorities, and there is now national coverage of GWPS mapping. A Groundwater Protection Scheme provides guidelines for the planning and licensing authorities in carrying out their functions, and a framework to assist in decision-making on the location, nature and control of developments and activities in order to protect groundwater. **The Groundwater Protection Response overview and link to the main reports is here:** <https://www.gsi.ie/en-ie/programmes-and-projects/groundwater/projects/protecting-drinking-water/what-is-drinking-water-protection/county-groundwater-protection-schemes/Pages/default.aspx>

Geological Mapping

Geological Survey Ireland maintains online datasets of bedrock and subsoils geological mapping that are reliable and accessible. We would encourage you to use these data which can be found [here](#), in your future assessments.

Please note we have recently launched QGIS compatible bedrock (100K) and Quaternary geology map data, with instructional manuals and videos. This makes our data more accessible to general public and external stakeholders. QGIS compatible data can be found in our downloadable bedrock 100k .zip file on the [Data & Maps](#) section of our website.

Geohazards

Geohazards can cause widespread damage to landscapes, wildlife, human property and human life. In Ireland, landslides, flooding and coastal erosion are the most prevalent of these hazards. We recommend that geohazards be taken into consideration, especially when developing areas where these risks are prevalent, and we encourage the use of our data when doing so.

Geological Survey Ireland has information available on landslides in Ireland via the National Landslide Database and Landslide Susceptibility Map both of which are available for viewing on our dedicated [Map Viewer](#). Associated guidance documentation relating to the National Landslide Susceptibility Map is also available.

Geological Survey Ireland also engaged in a national project on Groundwater Flooding. The data from this project may be useful in relation to Flood Risk Assessment (FRA) and management plans, and is described in more detail under 'Groundwater' above.



Natural Resources (Minerals/Aggregates)

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

We would recommend use of the Aggregate Potential Mapping viewer to identify areas of High to Very High source aggregate potential within the area. In keeping with a sustainable approach, we would recommend use of our data and mapping viewers to identify and ensure that natural resources used in the proposed development are sustainably sourced from properly recognised and licensed facilities, and that consideration of future resource sterilization is considered.

Geochemistry of soils, surface waters and sediments

Geological Survey Ireland provides baseline geochemistry data for Ireland as part of the Tellus programme. Baseline geochemistry data can be used to assess the chemical status of soil and water at a regional scale and to support the assessment of existing or potential impacts of human activity on environmental chemical quality. Tellus is a national-scale mapping programme which provides multi-element data for shallow soil, stream sediment and stream water in Ireland. At present, mapping consists of the border, western and midland regions. Data is available at <https://www.gsi.ie/en-ie/data-and-maps/Pages/Geochemistry.aspx>.

Guidelines

The following guidelines may also be of assistance:

- Institute of Geologists of Ireland, 2013. Guidelines for the Preparation of the Soils, Geology and Hydrogeology Chapters of Geology in Environmental Impact Statements.
- [EPA, 2022](#). Guidelines on the information to be contained in Environmental Impact Assessment Reports (EIAR)

Other Comments

Should development go ahead, all other factors considered, Geological Survey Ireland would much appreciate a copy of reports detailing any site investigations carried out. The data would be added to Geological Survey Ireland's national database of site investigation boreholes, implemented to provide a better service to the civil engineering sector. Data can be sent to the Geological Mapping Unit, at <mailto:GeologicalMappingInfo@gsi.ie>, 01-678 2795.

I hope that these comments are of assistance, and if we can be of any further help, please do not hesitate to the Geological Survey Ireland Planning Team at GSIPlanning@gsi.ie.

Yours sincerely,

Geoheritage and Planning Programme

Enc: Table - Geological Survey Ireland's Publicly Available Datasets Relevant to Planning, EIA and SEA processes.

Geological Survey Ireland's Publicly Available Datasets Relevant to Planning, EIA and SEA processes
following European Union (Planning and Development) (Environmental Impact Assessment) Regulations 2018
(S.I. No. 296 of 2018)

Geological Survey Ireland Programme	Dataset	Relevant EIA Topic	Coverage	Description / Notes / Limitations	Link to Geological Survey Ireland map viewer
Geohazards	Landslide: National landslide database and landslide susceptibility map	Land & Soil/Climate/Landscape	National	Associated guidance documentation relating to the National Landslide Susceptibility Map is also available.	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=b68cf1e4a9044a5981f950e9b9c5625c
Geohazards	Groundwater Flooding (Historic)	Water	Regional	Provide information of historic flooding, both surface water and groundwater. [A lack of flooding presented in any specific location of the map only indicates that a flood has not been detected. It does not indicate that a flood cannot occur in that location at present or in the future]	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=848f83c85799436b808652f9c735b1cc
Geohazards	Groundwater Flooding (Predictive)	Water	Regional	Provides information on the probability of future karst groundwater flooding (where available). [The maps do not, and are not intended to, constitute advice. Professional or specialist advice should be sought before taking, or refraining from, any action on the basis of the flood maps]	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=848f83c85799436b808652f9c735b1cc
Geohazards	Radon Map	Land & Soils/Air	National		http://www.epa.ie/radiation/radonmap/
Geohazards	County Geological Sites as adopted by National Heritage Plan and listed in County Development Plans	Land & Soils/Landscape	Regional	All geological heritage sites identified by Geological Survey Ireland are categorised as CGS pending any further NHA designation by NPWS.	https://dcenr.maps.arcgis.com/apps/MapSeries/index.html?appid=a30af518e87a4c0b2fbd2aaac3c228
Geological Mapping	Bedrock geology:	Land & Soils	National	1:100,000 scale and associated memoirs.	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=de7012a99d2748ea9106e7ee1b6ab8d5&scale=0
Geological Mapping	Bedrock geology:	Land & Soils	Regional	1:50,000 scale	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=de7012a99d2748ea9106e7ee1b6ab8d5&scale=0
Geological Mapping	Quaternary geology: Sediments	Land & Soils	National	1:50,000 scale	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=de7012a99d2748ea9106e7ee1b6ab8d5&scale=0
Geological Mapping	Quaternary geology: Geomorphology	Land & Soils	National	1:50,000 scale	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=de7012a99d2748ea9106e7ee1b6ab8d5&scale=0
Geological Mapping	Physiographic units:	Land & Soils	National	Broad-scale physical landscape units mapped at 1:100,000 scale in order to be represented as a cartographic digital map at 1:250,000 scale	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=afa76a20fc54877843aca1bc075c62b
Geological Mapping	GeoUrban: Spatial geological data for the greater Dublin and Cork areas	Land & Soils	Regional	includes 3D models	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=9768f4818b794c16093beb2212a850ce6&scale=0
Geological Mapping	Geotechnical database	Land & Soils	National	Digitised geotechnical and Site Investigation Reports and boreholes which can be accessed through online downloads	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=a2718be1873d47a585a3f0415b4a724c
Goldmine	Historical data sets including geological memoirs and 6" to 1 mile geological mapping records	Land & Soils/Water	National	available online	https://secure.dcaa.gov.ie/goldmine/index.html
Groundwater & Geothermal	Groundwater resources (aquifers)	Water	National	Data limited to 1:100,000 scale; sites should be investigated at local scale	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=7e8a202301594687ab14629a10b748ef
Groundwater & Geothermal	Groundwater recharge.	Water	National	Data limited to 1:40,000 scale; sites should be investigated at local scale; long term annual average recharge	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=7e8a202301594687ab14629a10b748ef
Groundwater & Geothermal	Groundwater vulnerability.	Water	National	Data limited to 1:40,000 scale; sites should be investigated at local scale	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=7e8a202301594687ab14629a10b748ef
Groundwater & Geothermal	Group scheme and public supply source protection areas.	Water	National	Not all PWS / GWS have SPZ / ZOC. Check with IW / coco / NFGWS for private supplies.	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=7e8a202301594687ab14629a10b748ef
Groundwater & Geothermal	Groundwater Protection Schemes	Water	National	Data is limited to scale of 1:40,000. Data does not include all of the source protection areas	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=7e8a202301594687ab14629a10b748ef
Groundwater & Geothermal	Catchment and WFD management units.	Water	National		https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=7e8a202301594687ab14629a10b748ef
Groundwater & Geothermal	karst specific data layers	water	National	For areas underlain by limestone, includes karst features, tracer test database; turlough water levels (gwlevel.ie)	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=7e8a202301594687ab14629a10b748ef
Groundwater & Geothermal	Wells and Springs	Water	National	Not comprehensive, there may be unrecorded wells and springs	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=7e8a202301594687ab14629a10b748ef
Groundwater & Geothermal	Groundwater body Descriptions	Water	National	Not exhaustive; only those in designated SACs; could be other GWDTEs; for more information contact NPWS / EPA / site investigations Also, Roadmap for a Policy and Regulatory Framework for Geothermal Energy, November 2020	https://www.gsi.ie/en-ie/programmes-and-projects/groundwater-and-geothermal-unit/activities/understanding-ireland-groundwater/Pages/Groundwater-bodies.aspx
Groundwater & Geothermal	Geothermal Suitability maps	Land & Soils/Water	National		https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=9eae46bee08de41278b90a9916dc0b9e
Marine & Coastal Unit	INFOMAR - Ireland's national marine mapping programme; providing key baseline data for Ireland's	Water	National		https://secure.dcaa.gov.ie/GSI/INFOMAR_VIEWER/
Marine & Coastal Unit	CHERISH - Coastal change project (Climate, Heritage and Environments of Reefs, Islands, and Headlands)	Water	Regional		http://www.cherishproject.eu/en/
Marine & Coastal Unit	Coastal Vulnerability Index (CVI).	water / Land & Soils	Regional	Currently the project is being carried out on the east coast and will be rolled out nationally	https://www.gsi.ie/en-ie/programmes-and-projects/marine-and-coastal-unit/projects/Pages/Coastal-Vulnerability-Index.aspx
Minerals	Aggregate potential	Land & Soils/Material Assets	National	Consideration of mineral resources and potential resources as a material asset which should be explicitly recognised within the environmental assessment process	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=ee8c4c285a49413aa6f1344416dc9956
Minerals	Active quarries	Land & Soils	National		https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=ee8c4c285a49413aa6f1344416dc9956
Minerals	Historic mines	Land & Soils/Cultural Heritage	National	Inventory and Risk Classification 2009. Environmental Protection Agency, Economic Minerals Division and Geological Survey Ireland (DECC).	https://gis.epa.ie/EPAMaps/default?zesting=7&nothing=7&lid=EPA:LEMA_Facilities_Extractive_Facilities
Tellus	Geochemical data: multi-element data for shallow soil, stream sediment and stream water	Land & Soils	Regional	A national mapping programme	https://www.epa.ie/enforcement/mines/
Tellus	Airborne geophysical data including radiometrics, electromagnetics and magnetics	Land & Soils	Regional	A national mapping programme	https://dcenr.maps.arcgis.com/apps/MapSeries/index.html?appid=6304e122b733498b99642707f72754
Tellus	urban geochemistry mapping (Dublin SURGE project).	Land & Soils	Regional	A national mapping programme	https://dcenr.maps.arcgis.com/apps/MapSeries/index.html?appid=6304e122b733498b99642707f72754

Notes:

- The maps and data listed above are available on the Geological Survey Ireland map viewer <https://www.gsi.ie/en-ie/data-and-maps/Pages/default.aspx>
- Please read all disclaimers carefully when using Geological Survey Ireland data
- Geological Survey Ireland and Irish Concrete Federation published guidelines for the treatment of geological heritage in the extractive industry in 2008.

Natalia Stolarska

From: DECC Planning Notifications <PlanningNotifications@decc.gov.ie>
Sent: Wednesday 17 April 2024 12:09
To: Natalia Stolarska
Subject: RE: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary
Attachments: GSI Submission.pdf

Caution: This is an external email and may be malicious. Please take care when clicking links or opening attachments.

Hi Natalia,

Please see attached a submission on behalf of Geological Survey Ireland (a division of the Department of the Environment, Climate and Communications) with regard to the subject entity.

Please send an acknowledgement of receipt to PlanningNotifications@decc.gov.ie at your earliest convenience.

Many thanks,
Luke Thompson

Luke Thompson, Administrative Officer
Planning Advisory Division

An Roinn Comhshaoil, Aeráide agus Cumarsáide
Department of the Environment, Climate and Communications

29-31 Bóthar Adelaide, Baile Átha Cliath, D02 X285
29-31 Adelaide Road, Dublin 2, D02 X285

PlanningNotifications@decc.gov.ie

From: Natalia Stolarska <nstolarska@mkoireland.ie>
Sent: Thursday, March 28, 2024 9:17 AM
To: DECC Planning Notifications <PlanningNotifications@decc.gov.ie>
Cc: Jonny Fearon <jfearon@mkoireland.ie>; Eoin McCarthy <emccarthy@mkoireland.ie>
Subject: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

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Dear Sir/Madam,

MKO is preparing an Environmental Impact Assessment Report (EIAR) and Natura Impact Statement (NIS) to accompany a planning application, on behalf of Carrow Renewable Energy Ltd, for a proposed wind farm development located at Carrow and surrounding townlands, north of Dundrum, approximately 2km south of Hollyford, Co. Tipperary.

The proposed project will likely encompass up to 8 no. wind turbines, access roads and entrance(s), borrow pit(s), on site 38kV electricity substation, electrical cabling for grid connection, temporary construction compounds, temporary turbine delivery junction accommodation works, and a permanent meteorological mast. It is anticipated the development will not meet the Strategic Infrastructure Development (SID) thresholds of 25 no. turbines or 50 Megawatts (MW) for wind energy

as set out in the 7th Schedule of the Planning and Development Act 2000, (as amended). In this regard, it is intended to submit the planning permission application to Tipperary County Council.

Please see attached a Cover Letter and Scoping Document providing details of the proposed project. As part of the EIA process, we would welcome any comments that you might have in relation to the Proposed Development, 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. 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,
Natalia.

Natalia Stolarska
Graduate Environmental Scientist

MKO

Tuam Road, Galway, H91 VW84

Offices in Galway and Dublin
mkoireland.ie | +353 (0)91 735 611



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Evan Connolly

From: Defence Property Management Planning
<PropertyManagementPlanning@defence.ie>
Sent: Wednesday 16 October 2024 16:02
To: Evan Connolly
Cc: Ruth Fleming Dunne (Defence); Paul Farrell (Defence); Philomena Evans (Defence); Jonny Fearon
Subject: Proposed Carrow Windfarm Development, Co. Tipperary
Attachments: 2024-10-16 Response to MKO - Carrow Windfarm Co. Tipperary.pdf

Caution: This is an external email and may be malicious. Please take care when clicking links or opening attachments.

Dear Mr. Connolly,

In regard to your e-mail request below and documentation, dated 11th October 2024, please see the attached response from the Department of Defence.

Please note that the e-mail address for all planning related correspondence to the Department of Defence is: PropertyManagementPlanning@defence.ie (as per above)

Please contact me if you have any queries.

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 452199

From: Defence Property Management Planning
Sent: Friday 11 October 2024 15:22
To: 'Evan Connolly' <econnolly@mkoireland.ie>
Cc: Jonny Fearon <jfearon@mkoireland.ie>; Defence EstateManagement1Brigade <Estatemanagement1Brigade@defence.ie>; Defence Estate Management 2Brigade <Estatemanagement2Brigade@defence.ie>; Sarah Kelly (Defence) <Sarah.Kelly@defence.ie>
Subject: RE: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

Dear Mr. Connolly,

The Department of Defence wishes to acknowledge receipt of your email below re: the proposed Carrow Wind Farm

We will consult with the relevant Military Authorities and we will revert in due course.

Kind Regards,
Gillian

From: Evan Connolly <econnolly@mkoireland.ie>
Sent: Friday 11 October 2024 11:47
To: Gillian Holden (Defence) <Gillian.Holden@defence.ie>
Cc: Jonny Fearon <jfearon@mkoireland.ie>
Subject: RE: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

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Dear Ms. Holden,

MKO is preparing an Environmental Impact Assessment Report (EIAR) and Natura Impact Statement (NIS) to accompany a planning application, on behalf of Carrow Renewable Energy Ltd, for a proposed wind farm development located at Carrow and surrounding townlands, north of Dundrum, approximately 2km south of Hollyford, Co. Tipperary.

An initial round of scoping was conducted in March 2024 and since that time, the project has evolved. This email and the attached Revised Scoping Document and Letter provide an update on the project.

As part of the EIA process, we would welcome any comments that you might have in relation to the Proposed Development, 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. 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,
Evan

Evan Connolly BSc. MSc.
Graduate Environmental Scientist

MKO

9C Beckett Way, Park West
Business Park, Dublin, D12 XN9W

Offices in Galway and Dublin
mkoireland.ie | +353 (0)91 735 611



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From: Gillian Holden (Defence) <Gillian.Holden@defence.ie>
Sent: Monday 8 April 2024 15:34

To: Natalia Stolarska <nstolarska@mkoireland.ie>

Cc: Jonny Fearon <jfearon@mkoireland.ie>; Eoin McCarthy <emccarthy@mkoireland.ie>; Don Watchorn (Defence) <Don.Watchorn@defence.ie>; Sarah Kelly (Defence) <Sarah.Kelly@defence.ie>

Subject: RE: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

Some people who received this message don't often get email from gillian.holden@defence.ie. [Learn why this is important](#)

Caution: This is an external email and may be malicious. Please take care when clicking links or opening attachments.

Dear Ms. Stolarska,

Re: EIAR for the proposed Carrow windfarm development, Co. Tipperary

With reference to your e-mail below and to your letter dated 28 March 2024, please see attached response from the Department.

Kind Regards,
Gillian

Gillian Holden

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 (045) 45 2043

M +353 87 1660640

E-mail:gillian.holden@defence.ie

www.defence.ie

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From: Defence Property Management Planning

Sent: Thursday 28 March 2024 14:42

To: 'Natalia Stolarska' <nstolarska@mkoireland.ie>; Defence Property Management Planning <PropertyManagementPlanning@defence.ie>

Cc: Jonny Fearon <jfearon@mkoireland.ie>; Eoin McCarthy <emccarthy@mkoireland.ie>; Don Watchorn (Defence) <Don.Watchorn@defence.ie>; Sarah Kelly (Defence) <Sarah.Kelly@defence.ie>

Subject: RE: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

Dear Ms. Stolarska,

The Department of Defence wishes to acknowledge receipt of your email below re: the proposed Carrow Wind Farm, Co. Tipperary.

The Department is currently consulting with the Defence Forces subject matter experts and we will revert in due course.

Kind Regards,
Gillian

Gillian Holden

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.

—

E-mail: gillian.holden@defence.ie

www.defence.ie

—

Follow us on Twitter: [Department of Defence](#) | [Civil Defence](#) | [Office of Emergency Planning](#)

From: Natalia Stolarska <nstolarska@mkoireland.ie>

Sent: Thursday 28 March 2024 09:18

To: Defence Property Management Planning <PropertyManagementPlanning@defence.ie>

Cc: Jonny Fearon <jfearon@mkoireland.ie>; Eoin McCarthy <emccarthy@mkoireland.ie>

Subject: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

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Dear Mr Watchorn,

MKO is preparing an Environmental Impact Assessment Report (EIAR) and Natura Impact Statement (NIS) to accompany a planning application, on behalf of Carrow Renewable Energy Ltd, for a proposed wind farm development located at Carrow and surrounding townlands, north of Dundrum, approximately 2km south of Hollyford, Co. Tipperary.

The proposed project will likely encompass up to 8 no. wind turbines, access roads and entrance(s), borrow pit(s), on site 38kV electricity substation, electrical cabling for grid connection, temporary construction compound s, temporary turbine delivery junction accommodation works, and a permanent meteorological mast. It is anticipated the development will not meet the Strategic Infrastructure Development (SID) thresholds of 25 no. turbines or 50 Megawatts (MW) for wind energy as set out in the 7th Schedule of the

Planning and Development Act 2000, (as amended). In this regard, it is intended to submit the planning permission application to Tipperary County Council.

Please see attached a Cover Letter and Scoping Document providing details of the proposed project. As part of the EIA process, we would welcome any comments that you might have in relation to the Proposed Development, 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. 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,
Natalia.

Natalia Stolarska
Graduate Environmental Scientist

MKO

Tuam Road, Galway, H91 VW84

Offices in Galway and Dublin
mkoireland.ie | +353 (0)91 735 611



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Fógra faoi Rúndacht: Tá an ríomhphost seo agus aon iatán a ghabhann leis rúnda. Is leis an duine / nó daoine sin amháin a bhfuil siad seolta chucu a bhaineann siad agus ní ceart iad a léamh ná a scaoileadh chuig aon tríú páirtí gan cead roimh ré ón Roinn Cosanta.

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MKO,
Tuam Road,
Galway
H91 VW84

08 April 2024

Re: the Environmental Impact Assessment for the proposed Carrow Windfarm Development, Co. Tipperary.

Dear Ms. Stolarska,

I refer to your letter dated 28 March 2024, in relation to the Environmental Impact Assessment for the proposed Carrow Windfarm Development, Co. Tipperary.

I wish to advise at the outset that any determination in relation to a planning consent is solely a matter for the planning authorities and/or ABP, as appropriate. Therefore, the following observation is made on a non-prejudicial basis, and is not intended to be used to rely on for a prospective planning application, nor is this observation to be relied on in the event of any commercial transaction pertaining to such lands and it is not to be relied on in the event of any contract exchange pertaining to same.

As a matter of practice, the Department of Defence does not provide observations or advice in the scoping process, except where the relevant parties have been directed by a planning authority to seek the Department's views.

Based on the information supplied and following consultations with the subject matter in the Irish Air Corps, the Department of Defence wishes to make the following observations:

- All turbines should be illuminated by Type C, Medium intensity, Fixed Red obstacle lighting with a minimum output of 2,000 candela to be visible in all directions of azimuth and to be operational H24/7 days a week. Obstacle lighting should be incandescent or, if LED or other types are used, of a type visible to Night Vision equipment. Obstacle lighting used must emit light at the near Infra-Red (IR) range of the electromagnetic spectrum, specifically at or near 850 nanometres (nm) of wavelength. Light intensity to be of similar value to that emitted in the visible spectrum of light.



Any Irish Air Corps (IAC) requirements for are separate to Irish Aviation Authority (IAA) require

We would appreciate if you could keep us informed on any progress relating to this proposed development.

Nothing in the above observation shall be taken as a binding response by the Minister for Defence in the event that a planning application is made. The Minister reserves the right to comment on an actual planning application as and when it is submitted in accordance with the provisions of the planning regulatory code.

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

Yours faithfully,

Sent via e-mail

Don Watchorn
Property Management Branch
Department of Defence
Station Road
Newbridge
Co. Kildare W12 AD93
045 452199 don.watchorn@defence.ie



MKO (McCarthy, Keville, O'Sullivan)
9C Beckett Way
Park West Business Park
Dublin
D12 XN9W

16 October 2024

Re: Carrow Windfarm, Development, Co. Tipperary

Without Prejudice

Dear Mr. Connolly,

I write with regard to your letter and attached revised scoping documentation dated 11th October 2024 relating to the proposed Carrow Windfarm Development, Co. Tipperary. Located at Carrow and surrounding townlands, north of Dundrum, approximately 2km south of Hollyford, Co. Tipperary.

I wish to advise at the outset that any determination in relation to a planning consent is solely a matter for the planning authorities and/or ABP, as appropriate. Therefore, the following observations are made on a non-prejudicial basis, and are not intended to be used to rely on for a prospective planning application, nor are these observations to be relied on in the event of any commercial transaction pertaining to such lands and they are not to be relied on in the event of any contract exchange pertaining to same.

As a matter of practice, the Department of Defence does not provide observations or advice in the scoping process, except where the relevant parties have been directed by a planning authority to seek the Department's views.

Having consulted with the Military authorities, the Department of Defence wishes to make the following observations:

- The Minister for Defence is responsible for the regulation of military aviation, whereas the Irish Aviation Authority (IAA) is responsible for the safety regulation of civil aviation including aerodromes. The IAA does not have remit for military aviation or installations. Safeguarding of military flight operations and installations is intended to protect both current and future aircraft operations and also to take account of the security requirements associated with some of those operations.



- All turbines should be illuminated by Type C, Medium intensity, Fixed Red obstacle lighting with a minimum output of 2,000 candela to be visible in all directions of azimuth and to be operational H24/7 days a week.
- Obstacle lighting should be incandescent or, if LED or other types are used, of a type visible to Night Vision equipment. Obstacle lighting used must emit light at the near Infra-Red (IR) range of the electromagnetic spectrum, specifically at or near 850 nanometres (nm) of wavelength. Light intensity to be of similar value to that emitted in the visible spectrum of light
- Any Irish Air Corps (IAC) requirements for are separate to Irish Aviation Authority (IAA) requirements.

Nothing in the above observations shall be taken as a binding response by the Minister for Defence in the event that a planning application is made. The Minister reserves the right to comment on an actual planning application as and when it is submitted in accordance with the provisions of the planning regulatory code.

We would appreciate if you could keep us informed on any progress relating to this proposed development, in particular if this development was to progress to the planning stage.

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.

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

T +353 (0)45 452199

Evan Connolly

From: Defence Property Management Planning <PropertyManagementPlanning@defence.ie>
Sent: Wednesday 16 October 2024 16:02
To: Evan Connolly
Cc: Ruth Fleming Dunne (Defence); Paul Farrell (Defence); Philomena Evans (Defence); Jonny Fearon
Subject: Proposed Carrow Windfarm Development, Co. Tipperary
Attachments: 2024-10-16 Response to MKO - Carrow Windfarm Co. Tipperary.pdf

Caution: This is an external email and may be malicious. Please take care when clicking links or opening attachments.

Dear Mr. Connolly,

In regard to your e-mail request below and documentation, dated 11th October 2024, please see the attached response from the Department of Defence.

Please note that the e-mail address for all planning related correspondence to the Department of Defence is: PropertyManagementPlanning@defence.ie (as per above)

Please contact me if you have any queries.

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 452199

From: Defence Property Management Planning
Sent: Friday 11 October 2024 15:22
To: 'Evan Connolly' <econnolly@mkoireland.ie>
Cc: Jonny Fearon <jfearon@mkoireland.ie>; Defence Estatemanagement1Brigade <Estatemanagement1Brigade@defence.ie>; Defence Estate Management 2Brigade <Estatemanagement2Brigade@defence.ie>; Sarah Kelly (Defence) <Sarah.Kelly@defence.ie>
Subject: RE: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

Dear Mr. Connolly,

The Department of Defence wishes to acknowledge receipt of your email below re: the proposed Carrow Wind Farm

We will consult with the relevant Military Authorities and we will revert in due course.

Kind Regards,
Gillian

From: Evan Connolly <econnolly@mkoireland.ie>
Sent: Friday 11 October 2024 11:47
To: Gillian Holden (Defence) <Gillian.Holden@defence.ie>
Cc: Jonny Fearon <jfearon@mkoireland.ie>
Subject: RE: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

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Dear Ms. Holden,

MKO is preparing an Environmental Impact Assessment Report (EIAR) and Natura Impact Statement (NIS) to accompany a planning application, on behalf of Carrow Renewable Energy Ltd, for a proposed wind farm development located at Carrow and surrounding townlands, north of Dundrum, approximately 2km south of Hollyford, Co. Tipperary.

An initial round of scoping was conducted in March 2024 and since that time, the project has evolved. This email and the attached Revised Scoping Document and Letter provide an update on the project.

As part of the EIA process, we would welcome any comments that you might have in relation to the Proposed Development, 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. 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,
Evan

Evan Connolly BSc. MSc.
Graduate Environmental Scientist

MKO

9C Beckett Way, Park West
Business Park, Dublin, D12 XN9W



Offices in Galway and Dublin
mkoireland.ie | +353 (0)91 735 611

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From: Gillian Holden (Defence) <Gillian.Holden@defence.ie>
Sent: Monday 8 April 2024 15:34
To: Natalia Stolarska <nstolarska@mkoireland.ie>
Cc: Jonny Fearon <jfearon@mkoireland.ie>; Eoin McCarthy <emccarthy@mkoireland.ie>; Don Watchorn (Defence) <Don.Watchorn@defence.ie>; Sarah Kelly (Defence) <Sarah.Kelly@defence.ie>
Subject: RE: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

Some people who received this message don't often get email from gillian.holden@defence.ie. [Learn why this is important](#)

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Dear Ms. Stolarska,

Re: EIAR for the proposed Carrow windfarm development, Co. Tipperary

With reference to your e-mail below and to your letter dated 28 March 2024, please see attached response from the Department.

Kind Regards,
Gillian

Gillian Holden

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 (045) 45 2043

M +353 87 1660640

E-mail:gillian.holden@defence.ie

www.defence.ie

Follow us on Twitter: [Department of Defence](#) | [Civil Defence](#) | [Office of Emergency Planning](#)

From: Defence Property Management Planning

Sent: Thursday 28 March 2024 14:42

To: 'Natalia Stolarska' <nstolarska@mkoireland.ie>; Defence Property Management Planning <PropertyManagementPlanning@defence.ie>

Cc: Jonny Fearon <jfearon@mkoireland.ie>; Eoin McCarthy <emccarthy@mkoireland.ie>; Don Watchorn (Defence) <Don.Watchorn@defence.ie>; Sarah Kelly (Defence) <Sarah.Kelly@defence.ie>

Subject: RE: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

Dear Ms. Stolarska,

The Department of Defence wishes to acknowledge receipt of your email below re: the proposed Carrow Wind Farm, Co. Tipperary.

The Department is currently consulting with the Defence Forces subject matter experts and we will revert in due course.

Kind Regards,
Gillian

Gillian Holden

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.

E-mail: gillian.holden@defence.ie

www.defence.ie

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From: Natalia Stolarska <nstolarska@mkoireland.ie>

Sent: Thursday 28 March 2024 09:18

To: Defence Property Management Planning <PropertyManagementPlanning@defence.ie>

Cc: Jonny Fearon <jfearon@mkoireland.ie>; Eoin McCarthy <emccarthy@mkoireland.ie>

Subject: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

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Dear Mr Watchorn,

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Please see attached a Cover Letter and Scoping Document providing details of the proposed project. As part of the EIA process, we would welcome any comments that you might have in relation to the Proposed Development, 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. 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,
Natalia.

Natalia Stolarska
Graduate Environmental Scientist

MKO

Tuam Road, Galway, H91 VW84

Offices in Galway and Dublin
mkoireland.ie | +353 (0)91 735 611



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Fógra faoi Rúndacht: Tá an ríomhphost seo agus aon iatán a ghabhann leis rúnda. Is leis an duine / nó daoine sin amháin a bhfuil siad seolta chucu a bhaineann siad agus ní ceart iad a léamh ná a scaoileadh chuig aon tríú páirtí gan cead roimh ré ón Roinn Cosanta.

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intended recipient and should not be read or released to any third party without the prior consent of the Department of Defence.

Evan Connolly

From: Housing Manager DAU <Manager.DAU@npws.gov.ie>
Sent: Thursday 31 October 2024 10:29
To: Evan Connolly
Cc: Jonny Fearon
Subject: RE: G Pre00117/2024 (231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary)
Attachments: G Pre00117-2024 MKO 231102.pdf

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A Chara,

Please find attached Heritage Related recommendations for the above mentioned pre-planning consultation based on further information received.

Regards
Diarmuid

Diarmuid Buttimer
Executive Officer

An Roinn Tithíochta, Rialtais Áitiúil agus Oidhreachta
Department of Housing, Local Government and Heritage

Aonad na nIarratas ar Fhorbairt
Development Applications Unit

Oifigi an Rialtais
Government Offices

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

—
Diarmuid.Buttimer@npws.gov.ie
Manager.DAU@npws.gov.ie

From: Evan Connolly <econnolly@mkoireland.ie>
Sent: Friday 11 October 2024 11:38
To: Housing Manager DAU <Manager.DAU@npws.gov.ie>
Cc: Jonny Fearon <jfearon@mkoireland.ie>
Subject: Re: G Pre00117/2024 (231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary)

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Dear Mr. Buttimer,

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

Kind regards,
Evan

Evan Connolly BSc. MSc.
Graduate Environmental Scientist

MKO

9C Beckett Way, Park West
Business Park, Dublin, D12 XN9W



Offices in Galway and Dublin
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From: Housing Manager DAU <Manager.DAU@npws.gov.ie>

Sent: Thursday 28 March 2024 09:55

To: Natalia Stolarska <nstolarska@mkoireland.ie>

Subject: RE: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary- FAO National Monuments Service

Caution: This is an external email and may be malicious. Please take care when clicking links or opening attachments.

Our Ref: G Pre00117/2024 (Please quote in all related correspondence)

A Chara

I acknowledge receipt of your recent consultation.

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

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

If you have not heard from DAU and wish to receive an update, please email manager.dau@npws.gov.ie.

Regards
Diarmuid

Diarmuid Buttimer
Executive Officer

An Roinn Tithíochta, Rialtais Áitiúil agus Oidhreachta
Department of Housing, Local Government and Heritage
Aonad na nIarratas ar Fhorbairt
Development Applications Unit
Oifigi an Rialtais
Government Offices
Bóthar an Bhaile Nua, Loch Garman, Contae Loch Garman, Y35 AP90
Newtown Road, Wexford, County Wexford, Y35 AP90

—
Diarmuid.Buttimer@npws.gov.ie
Manager.DAU@npws.gov.ie

From: Natalia Stolarska <nstolarska@mkoireland.ie>

Sent: Thursday 28 March 2024 09:21

To: Housing Manager DAU <Manager.DAU@npws.gov.ie>

Cc: Jonny Fearon <jfearon@mkoireland.ie>; Eoin McCarthy <emccarthy@mkoireland.ie>

Subject: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary- FAO National Monuments Service

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Dear Sir/Madam,

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The proposed project will likely encompass up to 8 no. wind turbines, access roads and entrance(s), borrow pit(s), on site 38kV electricity substation, electrical cabling for grid connection, temporary construction compound s, temporary turbine delivery junction accommodation works, and a permanent meteorological mast. It is anticipated the development will not meet the Strategic Infrastructure Development (SID) thresholds of 25 no. turbines or 50 Megawatts (MW) for wind energy as set out in the 7th Schedule of the Planning and Development Act 2000, (as amended). In this regard, it is intended to submit the planning permission application to Tipperary County Council.

We would be grateful if you could issue the attached scoping document for comment to the National Monuments Service. Please see attached a Cover Letter and Scoping Document providing details of the proposed project. As part of the EIA process, we would welcome any comments that you might have in relation to the Proposed Development, 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. 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,
Natalia.

Natalia Stolarska
Graduate Environmental Scientist

MKO

Tuam Road, Galway, H91 VW84

Offices in Galway and Dublin
mkoireland.ie | +353 (0)91 735 611



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Your Ref: 231102

Our Ref: G Pre00117/2024 (Please quote in all related correspondence)

31 October 2024

MKO
9c Beckett Way
Park West Business Park
Dublin 12
D12 XN9W

Via email: jfearon@mkoireland.ie ; emccarthy@mkoireland.ie

Proposed Pre Planning Development: MKO: proposed project will likely encompass up to 8 no. wind turbines, access roads and entrance(s), borrow pit(s), on site 38kV electricity substation, electrical cabling for grid connection, temporary construction compound s, temporary turbine delivery junction accommodation works, and a permanent meteorological mast. It is anticipated the development will not meet the Strategic Infrastructure Development (SID) thresholds of 25 no. turbines or 50 Megawatts (MW) for wind energy. Carrow and surrounding townlands, north of Dundrum

A chara

I refer to correspondence received in connection with the above. Outlined below are heritage-related observations/recommendations co-ordinated by the Development Applications Unit under the stated headings.

Archaeology

The National Monuments Service of the Department of Housing, Local Government and Heritage has reviewed the 'Environmental Impact Assessment Scoping Document' for the proposed Carrow Wind Farm Development, Co. Tipperary.

The information provided was not sufficiently detailed to allow for a full assessment of the archaeological implications of this proposal, however the Department notes that an Archaeological Impact Assessment (AIA) is scoped into the proposed EIA process as part of the overall Cultural Heritage Impact Assessment of the proposed development and will be carried out by a suitably Consultant Archaeologist.

Further to the above, and by way of general archaeological advice, please note that, whilst the proposed development site (PDS) may or may not contain within it known or subsurface Recorded Monuments and/or Archaeological sites that may require assessment as part of the overall CHIA, the PDS itself is located within a wider area of known archaeological settlement and activity (National Monuments Service initial review of the Record of Monuments and Places, www.archaeology.ie and cartographic sources). All of these



Recorded Monuments, both within and outside the PDS, are subject to statutory protection in the Record of Monuments and Places, established under section 12 of the National Monuments Act 1930-2014. Therefore, the CHIA should include an assessment of the possible effects of the proposal on the wider archaeological landscape. It is of importance that the study area for the CHIA should be of sufficient size and extent to support this.

The Department advises that in addition to a robust desk-study supported by a comprehensive field inspection the CHIA should incorporate a visual impact assessment (to assist in identifying any possible impacts to the setting of sites or monuments).

In this respect it should be noted that in addition to site-specific vulnerabilities to impact on setting many monument types—for example prehistoric monuments such as Standing Stone Alignments, Standing Stone Rows, Single Standing Stones, as well as some megalithic tombs—are often considered to represent a wide area of associated archaeological settlement and activity. As a result, the bunding/stockpiling of materials, intrusion into viewsheds may have a negative visual impact on such monuments and may diminish or interrupt alignment views and alter key aspects of their original function and layout. The Visual Impact Assessment should:

- Set out the key characteristics of the monument(s) and its surroundings that contribute to its setting and the degree to which this setting is integral to the significance and appreciation of the monument.
- Assess the effects of the development—both positive and negative—on these key characteristics. The development should be considered in terms of its location and siting relative to the monument as well as its form, appearance and permanence.
- Be supported by appropriate illustrations of the monument, its setting and the development.

In this regard the Department notes that the wider landscape of the scheme includes the Rock of Cashel, located within 15km of the proposed development. The Rock of Cashel is one of six focal sites within the group listing for the Royal Sites of Ireland which has also been included in the current Tentative List for inscription as a World Heritage Site. It is not formally designated as a World Heritage Site, as yet, however, it would still be best practice for any project with potential effects to such a site to have regard to the *UNESCO Guidance and Toolkit for Impact Assessments in a World Heritage Context* (<https://whc.unesco.org/en/guidance-toolkit-impact-assessments/>) and (in the context of a wind energy project) the *UNESCO Guidance for Wind Energy Projects in a World Heritage Context* (<https://whc.unesco.org/en/wind-energy>). For the potential Outstanding Universal Value (OUV) of the Royal Sites of Ireland please see:

<https://worldheritageireland.ie/tentative-property/the-royal-sites-of-ireland/#tp-outstanding>.

It is also advised that advance consultation is carried out with the Heritage Officer of Tipperary County Council, in this regard.



The Department further advises that the following are also carried out as part of the overall CHIA to ensure a comprehensive assessment of the proposed development:

- The desk-study and field inspection regime should inform:
 - Targeted non-intrusive advance geophysical survey or prospection (such as Ground Penetrating Radar Surveys)
 - Targeted advance archaeological test excavation
- Any and all intrusive advance investigations (such as, but not limited to, ground investigations for soils/geology/hydrogeology) carried out as part of the EIA or design process should be subject to a programme of archaeological monitoring by a suitably qualified archaeologist

The results of these investigations should inform the EIA process and be incorporated within the EIA Report. The Department is happy to provide further advice and clarification as and if required in relation to the preparation of suitably comprehensive assessments as outlined above, with particular regard to the scope and locations for any advance non-intrusive prospection or advance test excavation that would be appropriate to inform the assessment of this proposed scheme.

Notwithstanding the above, the Department awaits the submission of this assessment before commenting further.

Nature Conservation

The Department is not in a position to make specific comment on this particular referral at this time. No inference should be drawn from this that the Department is satisfied or otherwise with the proposed activity. The Department may submit observations/recommendations at a later stage in the process.

The above observations/recommendations are based on the papers submitted to this Department on a pre-planning basis and are made without prejudice to any observations that the Minister may make in the context of any consultation arising on foot of any development application referred to the Minister, by the planning authority/ies, in the role as statutory consultee under the Planning and Development Act, 2000, as amended.



You are requested to send further communications to the Development Applications Unit (DAU) at manager.dau@npws.gov.ie.

Is mise le meas,

A handwritten signature in black ink, appearing to read 'Diarmuid Buttiner', located below the Gaelic phrase.

Diarmuid Buttiner
Development Applications Unit
Administration

Evan Connolly

From: Evan Connolly
Sent: Friday 11 October 2024 11:04
To: 'airestait@tcagsm.gov.ie'
Cc: Jonny Fearon
Subject: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary
Attachments: Dept of Tourism Scoping Revision Cover Letter.pdf; Carrow Scoping Revision Document F - 2024.10.10- 231102.pdf

To whom it may concern,

MKO is preparing an Environmental Impact Assessment Report (EIAR) and Natura Impact Statement (NIS) to accompany a planning application, on behalf of Carrow Renewable Energy Ltd, for a proposed wind farm development located at Carrow and surrounding townlands, north of Dundrum, approximately 2km south of Hollyford, Co. Tipperary.

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As part of the EIA process, we would welcome any comments that you might have in relation to the Proposed Development, 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. 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,
Evan

Evan Connolly BSc. MSc.
Graduate Environmental Scientist

MKO

9C Beckett Way, Park West
Business Park, Dublin, D12 XN9W



Offices in Galway and Dublin
mkoireland.ie | +353 (0)91 735 611

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From: Natalia Stolarska
Sent: Friday 21 June 2024 15:58
To: 'airestait@tcagsm.gov.ie' <airestait@tcagsm.gov.ie>

Cc: Jonny Fearon <jfearon@mkoireland.ie>; Eoin McCarthy <emccarthy@mkoireland.ie>
Subject: RE: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

Dear Sir/ Madam,

I just wanted to follow up on the below scoping request for the Proposed Carrow Wind Farm Development, Co. Tipperary. If you could return any comments or suggestions at your earliest convenience, it would be much appreciated.

Kind regards,
Natalia.

Natalia Stolarska BSc. MSc.
Graduate Environmental Scientist

MKO

Tuam Road, Galway, H91 VW84

Offices in Galway and Dublin
mkoireland.ie | +353 (0)91 735 611



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From: Natalia Stolarska
Sent: Thursday, March 28, 2024 9:26 AM
To: 'airestait@tcagsm.gov.ie' <airestait@tcagsm.gov.ie>
Cc: Jonny Fearon <jfearon@mkoireland.ie>; Eoin McCarthy <emccarthy@mkoireland.ie>
Subject: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

Dear Sir/Madam,

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

Kind regards,
Natalia.

Natalia Stolarska
Graduate Environmental Scientist

MKO

Tuam Road, Galway, H91 VW84

Offices in Galway and Dublin
mkoireland.ie | +353 (0)91 735 611



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Evan Connolly

From: Transport GCU <GeneralCo-OrdinationUnit@transport.gov.ie>
Sent: Wednesday 30 October 2024 14:31
To: Evan Connolly; Transport GCU
Cc: Jonny Fearon
Subject: RE: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary
Attachments: 20241030 DoT submission Carrow Windfarm.docx

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Good afternoon,

Please find attached for your consideration submission on behalf of the Department of Transport.

Kind regards
Jacqui

Jacqui Traynor
Central Policy, Coordination and Reform
An Roinn Iompair
Department of Transport
Lána Liosain, Baile Átha Cliath, D02 TR60
Leeson Lane, Dublin, D02 TR60
T +353 (0)1 604 1177
gcu@transport.gov.ie www.gov.ie/transport

From: Evan Connolly <econnolly@mkoireland.ie>
Sent: Friday, October 11, 2024 10:59 AM
To: Transport GCU <GeneralCo-OrdinationUnit@transport.gov.ie>
Cc: Jonny Fearon <jfearon@mkoireland.ie>
Subject: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

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To whom it may concern,

MKO is preparing an Environmental Impact Assessment Report (EIAR) and Natura Impact Statement (NIS) to accompany a planning application, on behalf of Carrow Renewable Energy Ltd, for a proposed wind farm development located at Carrow and surrounding townlands, north of Dundrum, approximately 2km south of Hollyford, Co. Tipperary.

An initial round of scoping was conducted in March 2024 and since that time, the project has evolved. This email and the attached Revised Scoping Document and Letter provide an update on the project.

As part of the EIA process, we would welcome any comments that you might have in relation to the Proposed Development, 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. 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,
Evan

Evan Connolly BSc. MSc.
Graduate Environmental Scientist

MKO

9C Beckett Way, Park West
Business Park, Dublin, D12 XN9W



Offices in Galway and Dublin
mkoireland.ie | +353 (0)91 735 611

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From: Transport GCU <GeneralCo-OrdinationUnit@transport.gov.ie>

Sent: Tuesday 30 April 2024 16:35

To: Natalia Stolarska <nstolarska@mkoireland.ie>; Transport GCU <GeneralCo-OrdinationUnit@transport.gov.ie>

Cc: Jonny Fearon <jfearon@mkoireland.ie>; Eoin McCarthy <emccarthy@mkoireland.ie>

Subject: RE: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

Caution: This is an external email and may be malicious. Please take care when clicking links or opening attachments.

Good evening Natalia,

Please find attached for your attention a submission on behalf of the Department of Transport in relation to an EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary.

Kind regards
Jacqui

Jacqui Traynor
Central Policy, Coordination and Reform
An Roinn Iompair
Department of Transport
Lána Líosain, Baile Átha Cliath, D02 TR60

From: Natalia Stolarska <nstolarska@mkoireland.ie>
Sent: Thursday, March 28, 2024 9:27 AM
To: Transport GCU <GeneralCo-OrdinationUnit@transport.gov.ie>
Cc: Jonny Fearon <jfearon@mkoireland.ie>; Eoin McCarthy <emccarthy@mkoireland.ie>
Subject: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

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The proposed project will likely encompass up to 8 no. wind turbines, access roads and entrance(s), borrow pit(s), on site 38kV electricity substation, electrical cabling for grid connection, temporary construction compound s, temporary turbine delivery junction accommodation works, and a permanent meteorological mast. It is anticipated the development will not meet the Strategic Infrastructure Development (SID) thresholds of 25 no. turbines or 50 Megawatts (MW) for wind energy as set out in the 7th Schedule of the Planning and Development Act 2000, (as amended). In this regard, it is intended to submit the planning permission application to Tipperary County Council.

Please see attached a Cover Letter and Scoping Document providing details of the proposed project. As part of the EIA process, we would welcome any comments that you might have in relation to the Proposed Development, 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. 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,
Natalia.

Natalia Stolarska
Graduate Environmental Scientist

MKO

Tuam Road, Galway, H91 VW84

Offices in Galway and Dublin
mkoireland.ie | +353 (0)91 735 611



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Tá eolas sa teachtaireacht leictreonach seo a d'fhéadfadh bheith príobháideach nó faoi rún agus b'fhéidir go mbeadh ábhar rúnda nó pribhléideach ann. Is le h-aghaidh an duine/na ndaoine nó le h-aghaidh an aonáin atá ainmnithe thuas agus le haghaidh an duine/na ndaoine sin amháin atá an t-eolas. Tá cosc ar rochtain don teachtaireacht leictreonach seo do aon duine eile. Murab ionann tusa agus an té a bhfuil an teachtaireacht ceaptha dó bíodh a fhios agat nach gceadaítear nochtadh, cóipeáil, scaipeadh nó úsáid an eolais agus/nó an chomhaid seo agus b'fhéidir d'fhéadfadh bheith mídhleathach.

Tá ár Ráiteas Príobháideachta le fáil ar www.gov.ie/transport

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Our Privacy Statement is available on www.gov.ie/transport



MKO
9C Beckett Way
Park West Business Park
Dublin
D12 XN9W

30th October 2024

Re: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

The Department of Transport has the following comments in relation to the consultation request relating to the Scoping Report for the Proposed Carrow Wind Farm Development, Co. Tipperary.

It should be noted that the Department considers the construction involved in providing this development and especially, the connection cables to the national grid, may have effects on both the environment and the Regional and Local Road network.

Where the developer proposes the placement of any cables (or additional cables) in one or more trenches within the extents of the (regional and local) public road network, it is necessary to consider the following:

- Their presence within the public road will likely significantly restrict the Road Authority in carrying out its function to construct and maintain the public road and will likely add to the costs of those works post construction.
- Their installation within the lands associated with the public road may affect the stability of the road. In particular where the road is a “legacy road” (where there is no designed road structure and the subgrade may be poor or poorly drained) or bog rampart the design needs to take account of all the variable ground conditions and not be based on a sample of the general soil conditions. This should include a constructability assessment to a 950mm minimum cover depth to the HV Cable on legacy roads, roads over peat/bog ramparts.



- The possible effect on the remaining available road space (noting that there may be need to accommodate other utilities within the road cross-section in the future or additional drainage for climate adaptation).
- The necessity to have the power in the cables switched off where the Road Authority considers this necessary in order to carry out its function to construct and maintain the public road and a complete operation and maintenance manual should be agreed with the Local Authority.

The Department consider it important that the examination of the proposal should include consideration of the following:

- Examination of all available technologies including both Overhead Line (OHL) and Underground Cable (UGC) options or combinations of both) and route options other than the routing of cables along the public road the ensure the best performing route and technology option is selected,
- Examination of options for connection to the national grid network at a point closer to the wind farm in order to reduce the adverse impact on public roads,
- Details of where within the road cross section cables are to be placed so as to minimise the effect on the Roads Authority in its role of construction and maintenance,
- Examination of details of any chambers proposed within the public road cross section so as to minimise the effect on the Roads Authority in its role of construction and maintenance,
- Elimination of permanent jointing bays from beneath the road pavement to protect the integrity of the road structure for the safety of those driving on the public road by eliminating hard spots and also preserve the road width for other utilities, temporary joint bays to be used in any public road installation,
- Prevention of the attachment of cables to all bridge structures and culverts by diverting them beneath or away from these structures and,
- Rationalisation of the number of cables involved (including existing electric or possible future cables) and their diversion into one trench, in order to minimise the impacts on the road network and the environment along the road boundary (hedgerows).



The Department considers the following should be considered when applying conditions to any approval:

1. A condition requiring the specific approval of the local authority to the detail of the final route of cables through the public road space. If during construction there is a need to deviate from the detailed design then the approval of the local authority would again be sought. This would assist in minimising the impact on the public road.
2. A condition requiring the developer to comply with all appropriate standards and, inter alia the Guidelines for Managing Openings in Public Roads, 2017 in order to ensure orderly development.
3. A condition requiring that the location of the cables would be recorded as exactly as possible (maybe using BIM type technology) so as to facilitate the further use of road space for utilities and the maintenance/construction of the public road by the Roads authority. This record should include as constructed surveys of all infrastructure altered, added, removed or relocated and exact detail of the road construction including any drains or other features encountered. The record should be lodged with the local authority and with the ESB Networks for retention on their records.
4. A condition to require the elimination of permanent jointing bays from under the road pavement to protect the integrity of the road structure, thereby improving safety for those driving on the public road by eliminating hard spots and preserving the road width for other utilities.
5. A condition requiring the developer to route cables away from bridge structures and specifically preventing the developer from attaching cables to road bridges. This would allow for the future maintenance of bridges without interruption of the electricity supply along the cables.
6. A condition requiring the replacement of culverts that have been excavated during the cable duct placement operation. The replacement culverts should be designed appropriately and include an allowance for the effects of climate change.
7. A condition requiring the developer to notify the Roads Authority of the owner of the cables (Owner) and the controller (Power Controller) of the power transmitted along the cables. In addition, the condition should require Owner and Power Controller to notify the Roads Authority of any change in ownership of the cables or change of Power Controller



transmitting power along the cables. In all instances the Owner and Power Controller should be required to maintain an agreed contacts list with the Roads Authority.

These observations are in line with those previously provided for this proposed development on 30th April 2024.

Central Policy, Coordination and Reform
An Roinn Iompair
Department of Transport
Lána Liosain, Baile Átha Cliath, D02 TR60
Leeson Lane, Dublin, D02 TR60
T +353 (0)1 604 1177
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MKO

Tuam Road

Galway

H91 VW84

30th April 2024

Re:231102 EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

The Department of Transport makes the following comments on consultation request relating to the Scoping Report for the proposed Carrow Wind Farm in Co. Tipperary.

It should be noted that the Department considers the construction involved in providing this development and especially, the connection cables to the national grid may have effects on both the environment and the Regional and Local Road network.

Where the developer proposes the placement of any cables (or additional cables) in one or more trenches within the extents of the (regional and local) public road network, it is necessary to consider the following:

- Their presence within the public road will likely significantly restrict the Road Authority in carrying out its function to construct and maintain the public road and will likely add to the costs of those works.
- Their installation within the lands associated with the public road may affect the stability of the road. In particular where the road is a “legacy road” (where there is no designed road structure and the subgrade may be poor or poorly drained) the design needs to take account of all the variable ground conditions and not be based on a sample of the general soil conditions.
- The possible effect on the remaining available road space (noting that there may be need to accommodate other utilities within the road cross-section in the future).
- The necessity to have the power in the cables switched off where the Road Authority considers this necessary in order to carry out its function to construct and maintain the public road.



The Department consider it important that the examination of the proposal should include consideration of the following:

- Examination of options other than the routing of cables along the public road,
- Examination of options for connection to the national grid network at a point closer to the wind farm in order to reduce the adverse impact on public roads.
- Details of where within the road cross section cables are to be placed so as to minimise the effect on the Roads Authority in its role of construction and maintenance,
- Examination of details of any chambers proposed within the public road cross section so as to minimise the effect on the Roads Authority in its role of construction and maintenance,
- Elimination of jointing bays from beneath the road pavement to protect the integrity of the road structure for the safety of those driving on the public road by eliminating hard spots and also preserve the road width for other utilities,
- Prevention of the attachment of cables to all bridge structures and culverts by diverting them beneath or away from these structures and,
- Rationalisation of the number of cables involved (including existing electric or possible future cables) and their diversion into one trench, in order to minimise the impacts on the road network and the environment along the road boundary (hedgerows).

The Department considers the following should be considered when applying conditions to any approval.

1. A condition requiring the specific approval of the local authority to the detail of the final route of cables through the public road space. If during construction there is a need to deviate from the detailed design then the approval of the local authority would again be sought. This would assist in minimising the impact on the public road.
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authority. This record should include as constructed surveys of all infrastructure altered, added, removed or relocated and exact detail of the road construction including any drains or other features encountered. The record should be lodged with the local authority and with the ESB Networks for retention on their records.

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Central Policy, Coordination and Reform

An Roinn Iompair

Department of Transport

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gcu@transport.gov.ie www.gov.ie/transport



MKO
9C Beckett Way
Park West Business Park
Dublin
D12 XN9W

30th October 2024

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Lána Liosain, Baile Átha Cliath, D02 TR60
Leeson Lane, Dublin, D02 TR60
T +353 (0)1 604 1177
gcu@transport.gov.ie www.gov.ie/transport

Edward Ryan

From: Evan Connolly
Sent: Friday 11 October 2024 10:55
To: 'StatutoryNotifications@Eirgrid.com'
Cc: Jonny Fearon
Subject: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary
Attachments: Eirgrid Scoping Revision Cover Letter.pdf; Carrow Scoping Revision Document F - 2024.10.10- 231102.pdf

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

Kind regards,
Evan

Evan Connolly BSc. MSc.
Graduate Environmental Scientist

MKO

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Business Park, Dublin, D12 XN9W

Offices in Galway and Dublin
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From: Natalia Stolarska
Sent: Friday 21 June 2024 15:59
To: 'StatutoryNotifications@Eirgrid.com' <StatutoryNotifications@Eirgrid.com>
Cc: Jonny Fearon <jfearon@mkoireland.ie>; Eoin McCarthy <emccarthy@mkoireland.ie>
Subject: RE: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

Dear Sir/Madam,

I just wanted to follow up on the below scoping request for the Proposed Carrow Wind Farm Development, Co. Tipperary. If you could return any comments or suggestions at your earliest convenience, it would be much appreciated.

Kind regards,
Natalia.

Natalia Stolarska BSc. MSc.
Graduate Environmental Scientist

MKO

Tuam Road, Galway, H91 VW84

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mkoireland.ie | +353 (0)91 735 611



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From: Natalia Stolarska
Sent: Thursday, March 28, 2024 9:31 AM
To: 'StatutoryNotifications@Eirgrid.com' <StatutoryNotifications@Eirgrid.com>
Cc: Jonny Fearon <jfearon@mkoireland.ie>; Eoin McCarthy <emccarthy@mkoireland.ie>
Subject: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

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Kind regards,
Natalia.

Natalia Stolarska
Graduate Environmental Scientist

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Evan Connolly

From: Environmental Query <queriesofficer@epa.ie>
Sent: Monday 14 October 2024 14:09
To: Evan Connolly
Subject: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary EPA043104
Attachments: image001.jpg; Carrow Scoping Revision Document F - 2024.10.10- 231102.pdf; EPA Scoping Revision Cover Letter.pdf

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Hello

Thank you for contacting the Environmental Protection Agency (EPA). Your query has been forwarded to the relevant business unit for a response. We will reply to you in due course.

Regards

Eileen Monahan

Environmental Queries Unit

Environmental Protection Agency

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

From: Evan Connolly
Received: Fri Oct 11 2024 11:00:01 GMT+0100 (Irish Standard Time)
To: Environmental Queries Unit; Environmental Query; Queries Officer; Queries Officer
Cc: Jonny Fearon
Subject: RE: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary EPA043104

To whom it may concern,

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From: Environmental Query <queriesofficer@epa.ie>

Sent: Tuesday, April 2, 2024 2:37 PM

To: Jonny Fearon <jfearon@mkoireland.ie>

Subject: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary EPA043104

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Hello

Thank you for contacting the Environmental Protection Agency. Your query has been forwarded to the relevant business unit for a response. We will reply to you in due course.

Regards
Eileen Monahan
Environmental Queries Unit

We have received the following query:

Dear Sir/Madam,

MKO is preparing an Environmental Impact Assessment Report (EIAR) and Natura Impact Statement (NIS) to accompany a planning application, on behalf of Carrow Renewable Energy Ltd, for a proposed wind farm development located at Carrow and surrounding townlands, north of Dundrum, approximately 2km south of Hollyford, Co. Tipperary.

The proposed project will likely encompass up to 8 no. wind turbines, access roads and entrance(s), borrow pit(s), on site 38kV electricity substation, electrical cabling for grid connection, temporary construction compound s, temporary turbine delivery junction accommodation works, and a permanent meteorological mast. It is anticipated the development will not meet the Strategic Infrastructure Development (SID) thresholds of 25 no. turbines or 50 Megawatts (MW) for wind energy as set out in the 7th Schedule of the Planning and Development Act 2000, (as amended). In this regard, it is intended to submit the planning permission application to Tipperary County Council.

MKO has produced a Cover Letter and Scoping Document providing details of the proposed project and it is the intention to send this to the EPA - could you please provide us with the most appropriate contact to send these documents to. As part of the EIA process, we would welcome any comments that you might have in relation to the Proposed Development, 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. 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,
Jonny Fearon

Contact details

Customer Name: Jonny Fearon
Customer Email: jfearon@mkofireland.ie
Customer Phone: 091416723
Customer Mobile: Not Available

Evan Connolly

From: planning applications <planning.applications@failteireland.ie>
Sent: Thursday 24 October 2024 16:36
To: Evan Connolly
Cc: Jonny Fearon
Subject: RE: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary
Attachments: Fáilte Ireland EIAR Guidelines 2023.pdf

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Hello Evan,

Thank you for your email and letter regarding 'Revised Scoping Document' for the proposed Carrow Wind Farm Development, Co. Tipperary. As in previous email please refer to the attached a copy of Fáilte Ireland's Guidelines for the Treatment of Tourism in an EIA.

Regards,

Yvonne

Yvonne Jackson

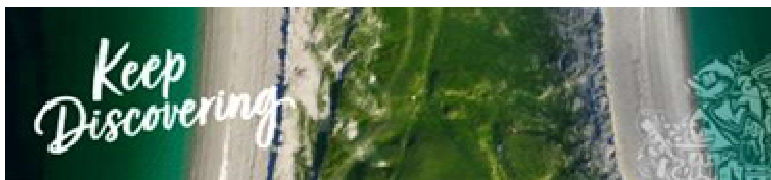
Product Development-Environment & Planning Support | Fáilte Ireland

88-95 Amiens Street, Dublin 1, D01 WR86

M +353 (0)86 0357590



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From: Evan Connolly <econnolly@mkoireland.ie>
Sent: Friday 11 October 2024 10:43
To: planning applications <planning.applications@failteireland.ie>
Cc: Jonny Fearon <jfearon@mkoireland.ie>
Subject: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

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Dear Ms. Jackson,

MKO is preparing an Environmental Impact Assessment Report (EIAR) and Natura Impact Statement (NIS) to accompany a planning application, on behalf of Carrow Renewable Energy Ltd, for a proposed wind farm development located at Carrow and surrounding townlands, north of Dundrum, approximately 2km south of Hollyford, Co. Tipperary.

An initial round of scoping was conducted in March 2024 and since that time, the project has evolved. This email and the attached Revised Scoping Document and Letter provide an update on the project.

As part of the EIA process, we would welcome any comments that you might have in relation to the Proposed Development, 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. 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,
Evan

Evan Connolly BSc. MSc.
Graduate Environmental Scientist

MKO

9C Beckett Way, Park West
Business Park, Dublin, D12 XN9W



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From: planning applications <planning.applications@failteireland.ie>

Sent: Wednesday 26 June 2024 15:12

To: Natalia Stolarska <nstolarska@mkoireland.ie>

Subject: RE: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

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Hello Natalia,

Thank you for your email. Apologies for replying to your email regarding the Environmental Impact Assessment Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

Please see attached a copy of Fáilte Ireland's Guidelines for the Treatment of Tourism in an EIA, which you may find informative for the preparation of the Environmental Impact Assessment for the proposed project. The purpose of this report is to provide guidance for those conducting Environmental Impact Assessment and compiling an Environmental Impact Assessment Reports (EIAR), or those assessing EIARs, where the project involves tourism or may have an impact upon tourism. These guidelines are non-statutory and act as supplementary advice to the EPA EIAR Guidelines outlined in section 2.

Regards,

Yvonne

From: Natalia Stolarska <nstolarska@mkoireland.ie>

Sent: Friday, June 21, 2024 4:01 PM

To: planning applications <planning.applications@failteireland.ie>

Cc: Jonny Fearon <jfearon@mkoireland.ie>; Eoin McCarthy <emccarthy@mkoireland.ie>

Subject: RE: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

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Dear Sir/ Madam,

I just wanted to follow up on the below scoping request for the Proposed Carrow Wind Farm Development, Co. Tipperary. If you could return any comments or suggestions at your earliest convenience, it would be much appreciated.

Kind regards,
Natalia.

Natalia Stolarska BSc. MSc.
Graduate Environmental Scientist

MKO

Tuam Road, Galway, H91 VW84

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From: Natalia Stolarska
Sent: Thursday, March 28, 2024 9:29 AM
To: planning.applications@failteireland.ie
Cc: Jonny Fearon <jfearon@mkoireland.ie>; Eoin McCarthy <emccarthy@mkoireland.ie>
Subject: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

Dear Ms Jackson,

MKO is preparing an Environmental Impact Assessment Report (EIAR) and Natura Impact Statement (NIS) to accompany a planning application, on behalf of Carrow Renewable Energy Ltd, for a proposed wind farm development located at Carrow and surrounding townlands, north of Dundrum, approximately 2km south of Hollyford, Co. Tipperary.

The proposed project will likely encompass up to 8 no. wind turbines, access roads and entrance(s), borrow pit(s), on site 38kV electricity substation, electrical cabling for grid connection, temporary construction compound s, temporary turbine delivery junction accommodation works, and a permanent meteorological mast. It is anticipated the development will not meet the Strategic Infrastructure Development (SID) thresholds of 25 no. turbines or 50 Megawatts (MW) for wind energy as set out in the 7th Schedule of the Planning and Development Act 2000, (as amended). In this regard, it is intended to submit the planning permission application to Tipperary County Council.

Please see attached a Cover Letter and Scoping Document providing details of the proposed project. As part of the EIA process, we would welcome any comments that you might have in relation to the Proposed Development, 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. 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,
Natalia.

Natalia Stolarska
Graduate Environmental Scientist

MKO

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EIAR Guidelines for the Consideration of Tourism and Tourism Related Projects



July 2023

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1. Introduction

Tourism is a growing sector and substantial part of the Irish Economy. It contributes to both urban and rural economies in every part of the country. The impact and interaction of tourism with the environment is complex and the assessment of environmental impacts is of utmost importance to creating a sustainable tourism economy and protecting the natural resources that are so often a tourism attraction.

The purpose of this report is to provide guidance for those conducting Environmental Impact Assessment and compiling an Environmental Impact Assessment Reports (EIAR), or those assessing EIARs, where the project involves tourism or may have an impact upon tourism. These guidelines are non-statutory and act as supplementary advice to the EPA EIAR Guidelines outlined in section 2.

This guidance document has been prepared by Fáilte Ireland to update their EIA guidelines in line with changes in legislative and guidance requirements.

2. Background to this Document

Tourism is one of the largest and most important sectors of the economy, providing employment for approximately **260,000 people**, an economic contribution of **€9.5 billion**, and exchequer revenue of **€1.8 billion** in 2019, which helps fund other key public services.

In 2019 Ireland welcomed **9.7 million overseas visitors**.

Fáilte Ireland is the National Tourism Development Authority established by the Irish Government in May 2003. Fáilte Irelands role is to support the tourism industry and work to sustain Ireland as a high-quality and competitive tourism destination. They provide a range of practical business supports to help tourism businesses better manage and market their products and services.

Fáilte Ireland also work with other state agencies and representative bodies, at local and national levels, to implement and champion positive and practical strategies that will benefit Irish tourism and the Irish economy.

Fáilte Ireland promotes Ireland as a holiday destination through a domestic marketing campaign (DiscoverIreland.ie) and manage a network of nationwide tourist information centres that provide help and advice for visitors to Ireland.

Tourism related projects cover a broad range of plans, programmes and developments, from the Wild Atlantic Way to a single hotel conversion. These guidelines apply to projects involving or impacting upon tourism. A tourism plan, strategy or programme where it is part of the statutory plan making process under the Planning and Development Acts (as amended), may be more appropriately assessed by a Strategic Environmental Assessment (SEA) as discussed in the next section.

It should be borne in mind that EIA is required where there is anticipated to be a significant impact on the environment, where tourism projects are of a prescribed type or meet thresholds identified below.

Where Natura 2000 Designated Sites are potentially affected by tourism development Appropriate Assessment must be carried out by the appropriate authority in accordance with Article 6(3) of the EU Habitats Directive.

3. Legislation and Statutory Guidance

Environmental Impact Assessment is a procedure that ensures that the environmental implications of decisions are taken into account before planning based decisions are made. The assessment results in a report, called an Environmental Impact Assessment Report (EIAR).

Legislation

These guidelines are produced under current EIAR legislative requirements, having regard to Directive 2011/92/EU (known as 'Environmental Impact Assessment' – EIA Directive), as amended by Directive EU 2014/52 which came into effect in May of 2017. These requirements were transposed into Irish Law on 1 September 2018 as most of the provisions of the European Union (Planning and Development) (Environmental Impact Assessment) Regulations 2018 (S.I. No. 296 of 2018) came into effect. The principle of both Directives is to ensure that plans, programmes and projects likely to have significant effects on the environment are made subject to an environmental assessment, prior to their approval or authorisation.

Statutory Guidance

In response to the changes to the EIAR requirements under Directive EU 2014/52, the Environmental Protection Agency (EPA) developed Guidelines on the information to be contained in Environmental Impact Assessment Reports in May 2022. The Guidelines are a statutory document to be regarded by those preparing EIARs and the decision makers considering the EIARs.

Some of the key changes to the EIA Directive introduced by Directive 2014/52/EU are as follows:

- Additional information to be provided in the project description to describe the location of the project, the technologies and substances used, the construction of the project and required demolition;
- The requirement for consideration of alternatives has changed from a requirement to provide 'An outline of the main alternatives studied by the developer and an indication of the main reasons for this choice, taking into account the environmental effects' to 'a description of the reasonable alternatives studied by the developer, which are relevant to the project and its specific characteristics, and an indication of the main reasons for the option chosen, taking into account the effects of the project on the environment';
- A refinement of the environmental factors to be considered in the assessment with an increased focus on resource efficiency, climate change, biodiversity and disaster prevention;
- Changes to Prescribed Environmental Factors with 'Land' being added, 'Human Beings' replaced by 'Population & Human Health' and 'Flora & Fauna' replaced by 'Biodiversity';

- The developer is required to have competent experts to prepare the EIAR and the Board is required to have access to sufficient expertise to assess the EIAR;
- Requirement for the incorporation of mitigation and monitoring measures in consents and ensuring that developers deliver these measures;
- The requirements for the assessment of cumulative effects with existing and/or approved projects, taking into account existing environmental issues to be considered; and
- Reasoned decisions made with regard to the EIA outcomes must be provided.

In addition to the EPA statutory guidance, the Department of Housing has produced Guidelines for Planning Authorities and An Bord Pleanála on carrying out Environmental Impact Assessment in August 2018.

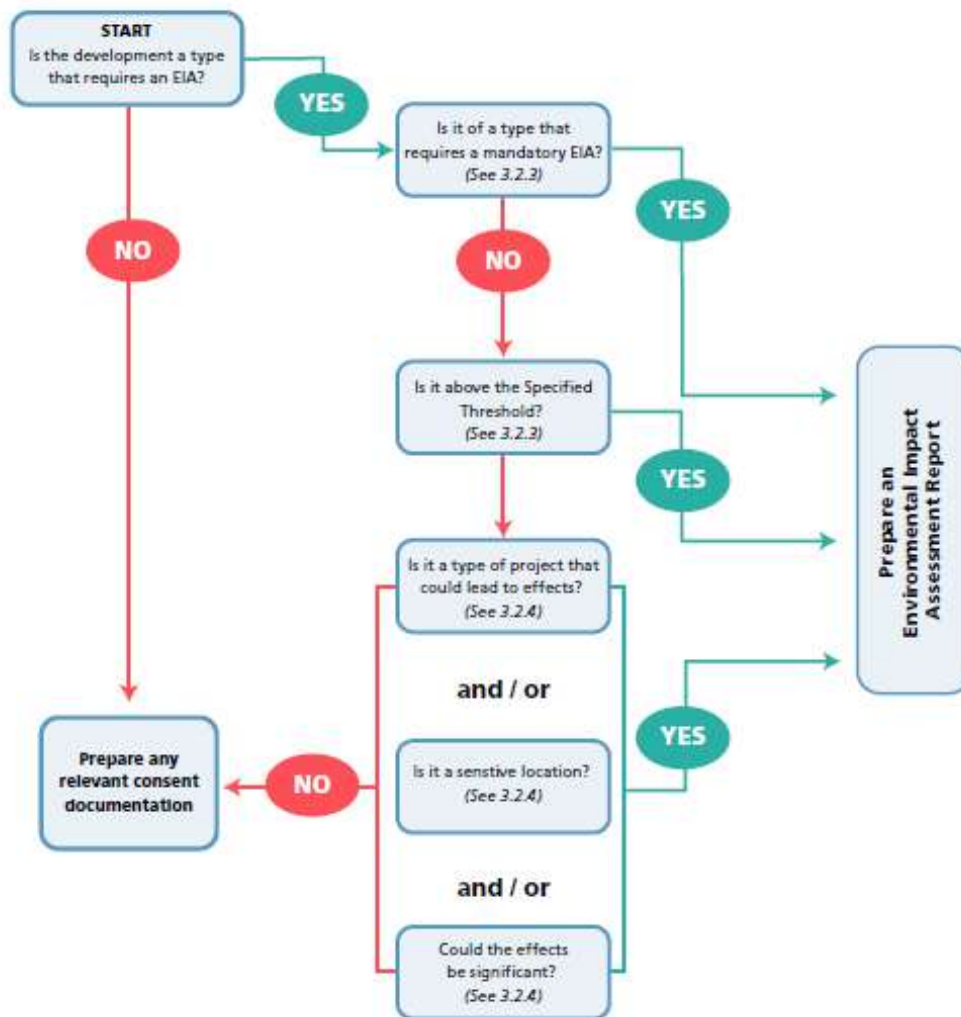
The process of EIA is set out in the EPA EIAR Guidelines, this document should be read in conjunction with and used as supplementary guidance to the EPA EIAR Guidelines. The process for ascertaining whether an EIAR is required is known as 'screening' and the process to determine the breadth and scope of an EIAR is known as 'scoping'. Guidance on this can be found in Section 3.2 of the EPA Guidelines.

Screening

Through EIA Screening, developments are either considered as requiring an EIAR due to the project type or because they exceed a threshold level. The screening process begins by establishing whether the proposal is a 'project' as understood by the Directive (as amended).

The prescribed development types and thresholds are set out in Annex I and II of the EIA Directive as transposed into Schedule 5 of the Planning and Development Regulations 2010-2018 (as amended). Development which does not exceed these thresholds but may require an EIAR are called sub threshold. Sub-Threshold considerations are outlined in Schedule 7 of European Union (Planning and Development) (Environmental Impact Assessment) Regulations 2018 (S.I. No. 296 of 2018) as transposed from Annex III of the Directive. The Guidelines on Environmental Impact Assessment Reports note that projects at first glance may not appear to come under the Schedule but on closer examination when the process is further examined, they may do so because of the sensitivity or significance of the receiving environment etc. Sub threshold developments require an EIAR if they are likely to have significant environmental impacts and must undergo assessment for likely significant impacts through an EIAR screening report. The contents of a screening report for subthreshold development are contained in Annex III of the EIA Directive.

Figure 1: EIAR Screening Process



(Taken from Fig 3.2 of the EPA Guidelines)

Tourism locations should be identified as sensitive receptors in screening assessments for particular impacts, depending on scale and sensitivity, as they would in a full EIAR. Section 6 below can act as guidance for Screening Reports as well as for full EIAR.

The screening process for considering where an EIAR is necessary, is summarised above in Figure 1 (excerpted from Figure 3.2 of the EPA Guidelines).

Strategic Environmental Assessment (SEA) is a more strategic level of environmental assessment that examines plans, policies, objectives and programmes specifically rather than projects. For some tourism developments it may be more appropriate that they be examined through SEA, while individual projects or specific proposals are likely to be more assessed through EIAR. If a project is part of a plan, programme or policy/objective assessed by SEA there may still be a requirement for an EIAR for that development (subject to EIA Screening assessment).

EIAR Scoping

Scoping an EIAR is an opportunity to look at the breadth of issues and ensure that any areas of possible significant impact are assessed. Identifying sensitivities and stakeholders should take account of tourism facilities and consider Fáilte Ireland in scoping requests where necessary.

4. Assessing Tourism

There is no legal definition of 'tourism' in Irish legislation. The UNWTO definition of sustainable tourism is *"Tourism that takes full account of its current and future economic, social and environmental impacts, addressing the needs of visitors, the industry, the environment and host communities"*. This is widely accepted as a key definition of tourism as we move to a more sustainable future.

Tourism assessments are frequently carried out by economic consultants and by specific tourism consultants. It is always advisable, particular for tourism projects, that suitably qualified and experienced personnel are used to determine the impact of tourism related projects or to assess the impact of more general proposals on a tourism asset identified in a particular location. There is a requirement for EIAR under current legislation to contain a statement of competency within all EIAR documents, including screening and scoping reports.

Projects which involve a tourism element

Tourism projects are wide ranging and diverse. While there are some projects which cater to tourism and are easily identified as such - Hotels, Museums, etc. there are other projects where tourism is a key service or element, but which may not be immediately obvious – walking/cycling/forest trails, greenways, blueways, community facilities and others. EIAR conducted for developments containing tourist elements should be completed in accordance with the current guidance from the EPA.

Projects which include a tourism element can have potential for particular environmental effects which differ from a non-tourism development. These impacts can be intermittent, event related, inconsistent, dependent on weather, temporal, temporary or seasonal. This is considered within the prescribed environmental topics for EIAR outlined in Section 7 below.

Projects which may have an impact upon tourism

While tourism projects may be diverse, the projects which can impact tourism are considerably more wide ranging, from large infrastructural developments to local energy developments. Disruption to or suppression of a tourist resource or amenity can have very local or more strategic impacts, directly or indirectly- for example energy projects in a rural area can have both a negative and positive impact in different regards. There can be temporary, periodic or even seasonal impacts occurring during construction or operational periods.

According to the Fáilte Ireland Tourism Facts 2019 Report, the most important factors in determining the attractiveness of tourism destinations for visitors to Ireland are;

- Beautiful Scenery and Unspoiled Environment
- Hospitality
- Safety
- Nature, Wildlife and Natural Attractions
- History and Culture

- Pace of Life

These factors used for the promotion of tourism in Ireland are also barometers of sensitivity to change in tourism sensitive or dominant locations where development may have an impact upon the tourism asset. The potential for development to impact these sensitivities, and the environmental criteria under which they can be considered, are identified in section 7 of the guidelines.

5. Guiding Principles of EIAR

As outlined in the EPA EIAR Guidelines, the fundamental principles to be followed when preparing an EIAR, including screening and scoping, are:

- Anticipating, avoiding and reducing significant effects
- Assessing and mitigating effects
- Maintaining objectivity
- Ensuring clarity and quality
- Providing relevant information to decision makers
- Facilitating better consultation.

Environmental assessment should be undertaken in accordance with the European Union (Planning and Development) (Environmental Impact Assessment) Regulations 2018.

6. Consideration of Competency and Qualifications

As per Section 2.5 of the EPA Guidelines, EIAR is required to be completed by '*competent experts*'.

Contributors to the preparation of environmental impact assessment reports, including screening and scoping assessments, should be qualified and competent. Sufficient expertise, in the relevant field of the project concerned, is required for the purpose of its examination by the competent authorities in order to ensure that the information provided by the developer is complete and of a high level of quality so that a full and proper assessment can be undertaken.

For tourism related projects, or projects likely to affect tourism assets, competent experts in the area of tourism should be utilised in the environmental assessment.

The competency of all involved in the production of an EIAR or any related report (e.g. Screening and scoping) is required to be stated at the beginning of the EIAR report with further details as necessary in each following chapter.

Where tourism projects involve for example heritage or cultural components, input from heritage consultants, conservation architects, or historians may be required.

7. EIAR Requirements

The following are the key requirements for an EIAR under the current guidance. This is not a definitive list and should be read in conjunction with regulations.

- project description;
- assessment of alternatives considered;
- baseline assessment;
- assessment of effects;
- cumulative impact;
- interaction of impacts;
- mitigation & monitoring; and
- residual impacts

Project Description

Project descriptions are required to describe the whole project including site, scale, design and key factors. It is important that the EIAR and design team have a consistent understanding of the development description in full. The key requirements are outlined in section 3.5 of the EPA Guidelines however they identify the following;

- the location of the project
- the physical characteristics of the whole project
- the main characteristics of the operational phase of the project
- an estimate, by type and quantity, of the expected residues and emissions

The location of the project should include identifying key sensitive receptors (including tourism receptors). In the operational phase of the project any tourism based, or potentially tourism related activity, should be identified.

Assessment of Alternatives

The assessment of the various reasonable alternatives is an important requirement of the EIA process.

Where tourism projects are location dependent the assessment of reasonable alternatives should consider alternative methods, layouts, technologies and mitigations, detail the key considerations culminating in the selection of the option/design, the reasoning for these and the environmental effect of these decisions. This is particularly important for tourism projects which are often location tied. The EPA EIAR Guidelines indicate that it is generally sufficient to provide a broad description of each main alternatives and the key issues associated with each, showing how environmental considerations were taken into account in deciding on the selected option.

Baseline Assessment

Baseline descriptions are evidence based, current descriptions of environmental characteristics with consideration of likely changes to the baseline environment evidenced in planning histories, unimplemented permissions, and applications pending determination. Baseline assessments should identify any tourism sensitivities in the zone of influence of a development. This zone of influence of a development is highly dependent on its **Context, Character, Significance, and Sensitivity**, as outlined in the EPA EIAR Guidelines. These characteristics apply to both the development and the environment.

For example, in a tourism context;

The location of sensitive tourism resources that are likely to be directly affected should be highlighted, and other premises which although located elsewhere, may be the subject of in combination impacts such as alteration of traffic flows or increased urban development.

The character of an area from a tourism perspective should be described and the principal types of tourism in the area. Where relevant, the specific environmental resources or attributes in the existing environment which each group uses or values should be stated and where relevant, indicate the time, duration or seasonality of any of those activities.

The significance of the tourism assets or activities likely to be affected should be highlighted. Reference to any existing formal or published designation or recognition of such significance should be included. Where possible the value of the contribution of such tourism assets and activities to the local economy should also be provided.

If there are any significant concerns or opposition to the development known to exist among tourism stakeholders and interest groups, this should be highlighted. Identify, where possible, the particular aspect of the development which is of concern, together with the part of the existing tourism resource which may be threatened or impacted.

In addition, the baseline should include any methodologies employed in the study to obtain information, if particular databases are used to locate sensitive receptors they should be acknowledged. In relation to tourism information, the suggested information sources at the end of this document are a non-exhaustive list which may be of assistance in identifying tourism receptors.

Impact Assessment

The topics for consideration of impact are prescribed in the EIA Directive and transcribed into Irish law by the European Union (Planning and Development) (Environmental Impact Assessment) Regulations 2018 (S.I. No. 296 of 2018). Impact assessment should contain the likely significant effects of a development arising from both construction and operation of a development. Advice on describing the effects is contained within the EPA EIAR Guidelines and includes the **quality, significance, extent, probability, type** and **duration** of the effect, with particular descriptors for each. In describing effects upon tourism receptors these descriptors should take account of the particular aspects and sensitivities of tourism, for example a temporary annual effect from a development may have different impacts upon tourism if it falls at peak season rather than off-peak.

Impact assessment should be carried out as per EPA guidelines and the best practice for that prescribed topic. It may be considered appropriate to consider impact on tourism under the 'Population and Human Health' and / or 'Landscape' topics as suggested below.

Population and Human Health

The consideration of tourism projects within the Population and Human Health is extensive, with impacts ranging from rural employment population impacts of seasonal tourism, to the health impact of air pollution from increased traffic in urban areas.

The impact upon tourism can be considered within this section through the sensitivities of Hospitality, Safety and Pace of Life. Changes in population can impact the perception of pace of life or safety in a particular location. Impacts upon these issues in areas which rely heavily on tourism or have a particular sensitive tourism generator should be considered in this section. The EPA guidelines makes reference to amenity “..which may be relevant under ‘Population and Human Health’ and ‘Landscape’”.

Biodiversity

Particular tourist activities can have a significant impact upon biodiversity. Landscapes which are ‘unspoiled’ can be attractors of tourism. However, the disturbance to ecology must be managed to minimise impacts.

Biodiversity is also a tourism asset and should be protected as such from other development and should be provided for in proposals where possible.

The assessment should also consider current Government policy on nature conservation as outlined in the National Biodiversity Action Plan 2017-2021 (NBAP) (and subsequent iterations (Including draft NBAP recently open for public consultation, to cover 2023 to 2027) which also includes Ireland's vision for biodiversity below.

'That biodiversity and ecosystems in Ireland are conserved and restored, delivering benefits essential for all sectors of society and that Ireland contributes to efforts to halt the loss of biodiversity and the degradation of ecosystems in the EU and globally.'

Land, Soils and Geology

A link between tourism and this prescribed environmental factor, beyond the normal development impacts, is rare, however particular activities or facilities which use geological features may have an impact upon soils and geology, such as mountain biking trails, recreational uses of old quarries etc.

The impact upon Geotourism related to geoheritage within the natural environment, e.g., any impacts on UNESCO Global Geoparks, of which we currently have three on the island of Ireland; Copper Coast in Co. Waterford, Burren and Cliffs of Moher in Co. Clare, and Cuilcagh Lakelands in Cavan and Fermanagh should be considered (where applicable) in this section.

Indirect impacts such as material use for extensive landscaping and public realm should also be considered.

Water

Tourism uses can be water intense, depending on development type. Recreational use of a surface water feature, water-based leisure centres etc have different impacts to standard development.

Air Quality and Climate

Tourism impact upon air quality is dependent on the activity proposed and sensitivity of the location. If the tourism project includes a large increase in transportation services, collection of baseline air emission data is advised. Transportation emissions affect not only air quality, but also greenhouse gases. Changing climatic patterns due to climate change should be factored into this analysis.

Noise and Vibration

A link between tourism and this prescribed environmental factor, beyond the normal development impacts, is rare, however the impact upon tourism of issues of noise and vibration can be significant. Construction adjoining hotels for example should consider the sensitivity of the development and ensure mitigation is in place.

Material Assets; Traffic and Transport

The different transport patterns associated with tourism activities is a key impact of tourism and should be considered especially for tourism projects. These produce temporal and seasonal changes on the norm and specialist consideration and interpretation should be given. Tourism proposals should, where possible, be well served by public transport and should be accessible by modes other than the car. The impact of traffic on tourism assets can be substantial and can vary in severity according to season, the weather, etc. The impact of construction traffic can be a particular concern in tourism sensitive areas in terms of noise pollution and visual impact. The construction programme of developments should work to

avoid peak tourism periods in tourism areas and should consider planned or anticipated tourism events and festivals.

Cultural Heritage

Cultural heritage can be a key component of tourism projects and the impact of tourism on the maintenance of cultural heritage should be given the utmost consideration, whether positive or negative. As a tourism attraction, cultural heritage should be strongly considered in non-tourism developments and the impact upon tourism considered as a potential impact.

Archaeology

Archaeology can be of tourism interest and can be an attractive or key component of tourism projects. Archaeology can be a tourism attractor and given that national policy emphasis on the non-renewable nature of the archaeology and archaeological heritage, focus should be a presumption in favour of its preservation in-situ or where preservation in-situ is not the option chosen, there must be preservation by record (i.e. archaeological excavation and recording must take place) in line with statutory requirements.

Material Assets; Waste Management

Tourism is a resource heavy activity and can impact waste streams and waste segregation. Impacts here should be considered strongly and with knowledge of the variation that arises from the particular tourist activity. Waste and Waste disposal issues can also impact the perception of an unspoiled environment, effecting tourism, which should be considered.

Material Assets

Material assets outside of the material assets already referenced that should be considered are built services (utilities) and infrastructure. Tourism development should include impact assessment on built services (utilities) and infrastructure while non tourism related development should consider the effect on tourism, which should be considered.

Landscape

The visual impact of a tourism development, especially in locations which are visually sensitive or renowned for their scenic or landscape beauty, should be considered carefully. A development intended to utilise or enjoy a particular vista or environment should minimise impact upon that environment.

Major Accident and Natural Disaster

There is a requirement for tourist developments to describe expected significant effects on the environment of the proposed development's vulnerability to major accidents and/or natural disasters relevant to it. Where appropriate measures should be identified to prevent or mitigate the significant adverse effects of such accidents or disasters, including resulting from climate change, on the environment and detail the preparedness for the proposed response.

Interaction of Impacts

Where two or more environmental impacts combine or interact they should be considered under the prescribed topics. It is best practice to provide a table of interactions within an EIAR or EIA Screening Report.

Cumulative Impact

The cumulative impact is that of the project combined with any known likely project which will interact or compound an environmental impact.

Transboundary Impact

Transboundary impacts should be included in EIAR. In the case of tourism, especially international travel, the transboundary impacts may not be proximate to the EIAR site.

Mitigation & Monitoring

Mitigation should follow the hierarchy of minimisation in descending order of preference- Avoid, Reduce, Remedy.

Avoid sensitive tourism resources- such as views, access and amenity areas including habitats as well as historical or cultural sites and structures.

Reduce the exposure of sensitive resources to excessive environmental impact.

Reduce the adverse effects to tourism land uses and patterns of activities, especially through interactions arising from significant changes in the intensity of use or contrasts of character or appearance.

Remedy any unavoidable significant residual adverse effects on tourism resources or activities.

Mitigation measures must be measurable and achievable within the bounds of the project.

With regard to Monitoring, Article 8a of the EIA Directive requires that:

1. 'The decision to grant development consent shall incorporate at least the following information ...

(b) any environmental conditions attached to the decision, a description of any features of the project and/or measures envisaged to avoid, prevent or reduce and, if possible, offset significant adverse effects on the environment as well as, where appropriate, monitoring measures. ... 4 Member States shall ensure that the features of the project and/or measures envisaged to avoid, prevent or reduce and, if possible, offset significant adverse effects on the environment are implemented by the developer, and shall determine the procedures regarding the monitoring of significant adverse effects on the environment. The type of parameters to be monitored and the duration of the monitoring shall be proportionate to the nature, location and size of the project and the significance of its effects on the environment. Existing monitoring arrangements resulting from Union legislation other than this Directive and from national legislation may be used if appropriate, with a view to avoiding duplication of monitoring.'

Residual Impacts

The residual impacts are the final predicted or intended impacts which occur after the proposed mitigation measures have been implemented.

8. Sources of information on Tourism

Information available online

Fáilte Ireland

Fáilte Ireland offers detailed research analysis and insights into the Irish Tourism Industry. The National Tourism Development Authority has a portfolio of research across a number of areas including facts and figures, Environmental Surveying and Monitoring, briefing papers and reports and visitor feedback. The Fáilte Ireland website has a dedicated research library which can be accessed [here](#)

Fáilte Ireland also manages an environmental surveying and monitoring database as part of the Wild Atlantic Way Operational Programme which can be accessed [here](#). The purpose of this is to work with and demonstrate to our stakeholders and partners that we are committed to the sustainable development of the Wild Atlantic Way, and to be able to pre-empt and avoid environmental effects in the future should they occur.

Discover Ireland:

Operated by Fáilte Ireland, the Discover Ireland website includes comprehensive information on tourist attractions in destinations all around Ireland, including listings for activities, accommodation, events and experiences for every county, major town and region in Ireland. The website features elements from the four destination brands – Wild Atlantic Way, Ireland's Ancient East, Ireland's Hidden Heartlands and Visit Dublin and can be accessed [here](#).

Tourism Ireland

Tourism Ireland is responsible for marketing the island of Ireland overseas as a holiday and business tourism destination. Tourism Ireland publishes a range of research documents including; visitor facts and figures, seasonal updates and industry insights which are accessible [here](#)

Local Authorities

Local Authorities are an invaluable source of information. They produce tourism strategies and audits of tourism assets within their jurisdiction. Local authorities will also produce landscape and seascape studies. Protected views and prospects as well as the record of protected structures and other designated protected buildings are contained within the Statutory Development Plans.

Regional Assemblies

Regional Assemblies can also be consulted on high level strategic tourism and potential Regional Spatial and Economic Strategies (RSEs) should be consulted.

Central Statistics Office

The Central Statistics Office (CSO) is Ireland's national statistical office and their purpose is to impartially collect, analyse and make available statistics about Ireland's people, society and economy. The Tourism and Travel Section of the Central Statistics Office is the major source for tourism statistics in Ireland and is updated regularly.

Evan Connolly

From: Evan Connolly
Sent: Friday 11 October 2024 10:37
To: Moran, Susan
Cc: Jonny Fearon; forestryinfo@agriculture.gov.ie
Subject: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary
Attachments: Forest Service Scoping Revision Cover Letter.pdf; Carrow Scoping Revision Document F - 2024.10.10- 231102.pdf

Dear Ms. Moran,

MKO is preparing an Environmental Impact Assessment Report (EIAR) and Natura Impact Statement (NIS) to accompany a planning application, on behalf of Carrow Renewable Energy Ltd, for a proposed wind farm development located at Carrow and surrounding townlands, north of Dundrum, approximately 2km south of Hollyford, Co. Tipperary.

An initial round of scoping was conducted in March 2024 and since that time, the project has evolved. This email and the attached Revised Scoping Document and Letter provide an update on the project.

As part of the EIA process, we would welcome any comments that you might have in relation to the Proposed Development, 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. 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,
Evan

Evan Connolly BSc. MSc.
Graduate Environmental Scientist

MKO

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Business Park, Dublin, D12 XN9W



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From: Moran, Susan <Susan.Moran@agriculture.gov.ie>
Sent: Tuesday 23 April 2024 11:04
To: Natalia Stolarska <nstolarska@mkoireland.ie>

Cc: Hennebry, Breeda <Breeda.Hennebry@agriculture.gov.ie>

Subject: FW: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

You don't often get email from susan.moran@agriculture.gov.ie. [Learn why this is important](#)

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Hi Natalia,
Please see attached as requested.
Kind Regards
Susan Moran

From: Walsh, Ciaran <Ciaran.Walsh@agriculture.gov.ie>

Sent: 23 April 2024 10:22

To: Environmental Co-ordination (Inbox) <Environmental_Co-ordination@agriculture.gov.ie>

Cc: Boyce, Catherine <Catherine.Boyce@agriculture.gov.ie>

Subject: FW: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

Hi,

Please see comments/observations attached.

Regards

Ciaran

From: Natalia Stolarska <nstolarska@mkoireland.ie>

Sent: Thursday, March 28, 2024 9:34 AM

To: Forestry Info <forestryinfo@agriculture.gov.ie>

Cc: Jonny Fearon <jfearon@mkoireland.ie>; Eoin McCarthy <emccarthy@mkoireland.ie>

Subject: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

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Dear Sir/Madam,

MKO is preparing an Environmental Impact Assessment Report (EIAR) and Natura Impact Statement (NIS) to accompany a planning application, on behalf of Carrow Renewable Energy Ltd, for a proposed wind farm development located at Carrow and surrounding townlands, north of Dundrum, approximately 2km south of Hollyford, Co. Tipperary.

The proposed project will likely encompass up to 8 no. wind turbines, access roads and entrance(s), borrow pit(s), on site 38kV electricity substation, electrical cabling for grid connection, temporary construction compound s, temporary turbine delivery junction accommodation works, and a permanent meteorological mast. It is anticipated the development will not meet the Strategic Infrastructure Development (SID) thresholds of 25 no. turbines or 50 Megawatts (MW) for wind energy as set out in the 7th Schedule of the Planning and Development Act 2000, (as amended). In this regard, it is intended to submit the planning permission application to Tipperary County Council.

Please see attached a Cover Letter and Scoping Document providing details of the proposed project. As part of the EIA process, we would welcome any comments that you might have in relation to the Proposed

Development, 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. 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,
Natalia.

Natalia Stolarska
Graduate Environmental Scientist

MKO

Tuam Road, Galway, H91 VW84

Offices in Galway and Dublin
mkoireland.ie | +353 (0)91 735 611



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Department of Agriculture, Food and the Marine

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An Roinn Talmhaíochta, Bia agus Mara

Tá an t-eolas sa ríomhphost seo, agus in aon cheangaltáin leis, faoi rún agus tá sé dírithe ar an bhfaighteoir/na faighteoirí beartaithe amháin agus níor cheart ach dóibh siúd é a úsáid. D'fhéadfadh an t-eolas seo a bheith faoi réir pribhléid dhlíthiúil agus ghairmiúil. Mura tusa faighteoir beartaithe an ríomhphost seo, níor cheart duit an teachtaireacht seo, nó aon chuid di, a úsáid, a nochtadh, a chóipeáil, a dháileadh nó a choinneáil. Má fuair tú an ríomhphost seo go hearráideach, cuir an seoltóir ar an eolas láithreach agus scríos gach cóip den ríomhphost seo ó chóra(i)s do ríomhaire, le do thoil.

MKO

Tuam Road

Galway

Ireland

H91VW84

23RD April 2024

Re: Scoping Request for the proposed Carrow Wind Farm near Dundrum & Hollyford, Co Tipperary.

Dear Sir/Madam,

The following are the comments from this Division in relation to the proposed development:

If the proposed development will involve the felling or removal of any trees, the developer must obtain a Felling License from this Department before trees are felled or removed. A Felling Licence application form can be obtained from **Felling Section, Department of Agriculture, Food and the Marine, Johnstown Castle Estate, Co. Wexford**. Email: felling.forests@agriculture.gov.ie or Web [gov.ie - Tree Felling Licences \(www.gov.ie\)](http://gov.ie - Tree Felling Licences (www.gov.ie))

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

The developer should take note of the contents of **Felling and Reforestation Policy** document which provide a consolidated source of information on the legal and regulatory framework relating to tree felling; [gov.ie - Tree Felling Licences \(www.gov.ie\)](http://gov.ie - Tree Felling Licences (www.gov.ie)) As this development is within forest lands, particular attention should be paid to deforestation, turbulence felling and the requirement to afforest alternative lands.

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

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

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

make a submission to the Department within 30 days from the date of the notice. The notices are published online at: gov.ie - [Felling Licence Applications \(www.gov.ie\)](http://gov.ie)

3. Third parties that make a submission or observation will be informed of the decision to grant or refuse the licence, and on request, details of the conditions attached to the licence, the main reasons and considerations on which the decision to grant or refuse the licence was based, and where conditions are attached to any licence, the reasons for the conditions. Both third parties and applicants will be also informed of their right to appeal any decision within 14 days to the Forestry Appeals Committee. Felling Licence decision are published online at: gov.ie - [Felling Licence Decisions \(www.gov.ie\)](http://gov.ie)

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

- a) subject to an EIA procedure (including screening in the case of a sub-threshold development) and any resulting requirement to produce an EIAR; and/or
 - b) subject to an Appropriate Assessment procedure (including screening) and any resulting requirement to a Natura Impact Statement (NIS); and
 - c) the proposed development in its construction or operational phases, or any works ancillary thereto, would directly or indirectly involve the felling and replanting of trees, deforestation for the purposes of conversion to another type of land use, or replacement of broadleaf high forest by conifer species,
1. that there is a requirement inter alia under the EIA Directive for an overall assessment of the effects of the project or the alteration thereof on the environment to be undertaken, including the direct and indirect environmental impact of the project;
- and
2. pursuant to Article 2(3) of the EIA Directive, the Department of Agriculture, Food and the Marine strongly recommends that, notwithstanding the fact that a parallel consent in the form of felling licence may also have to be applied for, any EIAR and/or NIS produced in connection with the application for planning permission to the Local Planning Authority or An Bord Pleanála, should include an assessment of the impact of and measures, as appropriate, to prevent, mitigate or compensate for any significant adverse effects direct or indirect identified on the environment arising from such felling and replanting of trees, deforestation for the purposes of conversion to another type of land use, or replacement of broadleaf high forest by conifer species.
 3. Please note that there must be absolute spatial consistency between the felling licence areas submitted to DAFM (second authority) and all related planning documents submitted to the first authority in respect of the felling area(s)

Yours sincerely,

Catherine Boyce
Felling Section
Department of Agriculture, Food and the Marine
Johnstown Castle
Co Wexford

Edward Ryan

From: DECC Planning Advisory <PlanningAdvisory@decc.gov.ie>
Sent: Tuesday 22 October 2024 12:18
To: Evan Connolly
Cc: DECC GSI Planning; DECC Planning Notifications
Subject: FW: EIS 24/356 - EIA Scoping Request for Proposed Carrow Wind Farm Development, Co Tipperary

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Dear Evan,

Further to your email below and its attachments, DECC/GSI have no further comments to make since our last response 24/130 of April 2024.

Yours sincerely,
Planning Advisory Division

Planning Advisory Division

An Roinn Comhshaoil, Aeráide agus Cumarsáide
Department of the Environment, Climate and Communications

Teach Tom Johnson, Bóthar Haddington, Baile Átha Cliath, D04 K7X4
Tom Johnson House, Haddington Road, Dublin, D04 K7X4

From: Evan Connolly <econnolly@mkoireland.ie>
Sent: Friday, October 11, 2024 10:29 AM
To: Patricia Smullen (DECC) <Trish.Smullen@gsi.ie>
Cc: Jonny Fearon <jfearon@mkoireland.ie>; DECC Planning Notifications <PlanningNotifications@decc.gov.ie>
Subject: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

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Dear Ms. Smullen,

MKO is preparing an Environmental Impact Assessment Report (EIAR) and Natura Impact Statement (NIS) to accompany a planning application, on behalf of Carrow Renewable Energy Ltd, for a proposed wind farm development located at Carrow and surrounding townlands, north of Dundrum, approximately 2km south of Hollyford, Co. Tipperary.

An initial round of scoping was conducted in March 2024 and since that time, the project has evolved. This email and the attached Revised Scoping Document and Letter provide an update on the project.

As part of the EIA process, we would welcome any comments that you might have in relation to the Proposed Development, 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. 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,
Evan

Evan Connolly BSc. MSc.
Graduate Environmental Scientist

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From: Patricia Smullen (DECC) <Trish.Smullen@gsi.ie>

Sent: Thursday 28 March 2024 09:37

To: Natalia Stolarska <nstolarska@mkoireland.ie>

Subject: Automatic reply: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

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I am out of the office until Tuesday 02 April.

For planning related queries please email GSI Planning at GSIPlanning@decc.gov.ie

For geology related queries please email the Duty Geologist at Duty.Geologist@decc.gov.ie



Natalia Stolarska
MKO
Tuam Road
Galway H91 VW84

16 April 2024

Re: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co Tipperary

Your Ref: 231102

Our Ref: 24/130

Dear Natalia,

Geological Survey Ireland is the national earth science agency and is a division of the Department of the Environment, Climate and Communications. We provide independent geological information and gather various data for that purpose. Please see our [website](#) for data availability. We recommend using these various data sets, when conducting the EIAR, SEA, planning and scoping processes. Use of our data or maps should be attributed correctly to 'Geological Survey Ireland'.

The publicly available data referenced/presented here, should in no way be construed as Geological Survey Ireland support for or objection to the proposed development or plan. The data is made freely available to all and can be used as independent scientific data in assessments, plans or policies. It should be noted that in many cases this data is a baseline or starting point for further site specific assessments.

With reference to your email received on the 28 March 2024, concerning the EIA Scoping Request for the proposed Carrow Wind Farm Development, Co Tipperary, Geological Survey Ireland would encourage use of and reference to our datasets. Please find attached a list of our publicly available datasets that may be useful to the environmental assessment and planning process. We recommend that you review this list and refer to any datasets you consider relevant to your assessment. The remainder of this letter and following sections provide more detail on some of these datasets.

Geoheritage

A national inventory of geoheritage sites known as County Geological Sites (CGSs) is managed by the Geoheritage Programme of Geological Survey Ireland. CGSs, as adopted under the National Heritage Plan, include sites that are of national importance which have been selected as the very best examples for NHA (Natural Heritage Areas) designation. NHA designation will be completed in partnership with the National Parks and Wildlife Service (NPWS). CGSs are now routinely included in County Development Plans and in the GIS of planning departments, to ensure the recognition and appropriate protection of geological heritage within the planning system. CGSs can be viewed online under the Geological Heritage tab on the online [Map Viewer](#).

The audit for Co. Tipperary was carried out in 2019. The full report details can be found [here](#). **Our records show that there are no CGSs in the vicinity of the proposed wind farm.**

Groundwater

Geological Survey Ireland's [Groundwater and Geothermal Unit](#), provides advice, data and maps relating to groundwater distribution, quality and use, which is especially relevant for safe and secure drinking water supplies and healthy ecosystems. Proposed developments need to consider any potential impact on specific groundwater abstractions and on groundwater resources in general. We recommend using the groundwater maps on our [Map viewer](#) which should include: wells; drinking water source protection areas; the national map suite - aquifer, groundwater vulnerability, groundwater recharge and subsoil permeability maps. For areas underlain by limestone, please refer to the karst specific data layers (karst features, tracer test database; turlough water levels (gwlevel.ie). Background information is also provided in the Groundwater Body Descriptions. Please read all disclaimers carefully when using Geological Survey Ireland data.

The Groundwater Data Viewer indicates aquifers classed as a 'Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones', a 'Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones' and a 'Locally important gravel aquifer' underlie the proposed windfarm development.



The Groundwater Vulnerability map indicates the range of groundwater vulnerabilities within the area covered is variable. We would therefore recommend use of the Groundwater Viewer to identify areas of High to Extreme Vulnerability and 'Rock at or near surface' in your assessments, as any groundwater-surface water interactions that might occur would be greatest in these areas.

Our records show that there is a groundwater drinking water abstraction [Ironmills Public Water Supply Scheme](#) (PWSS) with a zone of contribution/source protection area within the grid connection route and EIAR Site Boundary. Key to groundwater protection in general, and protection of specific drinking water supplies, is preventing ingress of runoff to the aquifer. Design of drainage will need to be cognisant of the public water schemes and the interactions between surface water and groundwater as well as run-off. Appropriate design should be undertaken by qualified and competent persons to include mitigation measures as necessary, such as SUDs or other drainage mitigation measures.

Any excavation/cuttings required for realignment should ensure that groundwater flow within the zones of contribution to the groundwater abstraction points is not disrupted, resulting in diminished yields. Note that there could be other groundwater abstractions in the locality for which Geological Survey Ireland has not undertaken studies, and a robust assessment should be undertaken by qualified and competent persons including a survey of all current wells and water abstractions within the vicinity.

Given the nearby drinking water sources (Public Water Scheme), the effects of any potential contamination as a result of the project would need to be assessed.

[GWClimate](#) is a groundwater monitoring and modelling project that aims to investigate the impact of climate change on groundwater in Ireland. This is a follow on from a previous project (GWFlood) and the data may be useful in relation to Flood Risk Assessment (FRA) and management plans. Maps and data are available on the [Map viewer](#).

Geological Survey Ireland has completed Groundwater Protection Schemes (GWPSs) in partnership with Local Authorities, and there is now national coverage of GWPS mapping. A Groundwater Protection Scheme provides guidelines for the planning and licensing authorities in carrying out their functions, and a framework to assist in decision-making on the location, nature and control of developments and activities in order to protect groundwater. **The Groundwater Protection Response overview and link to the main reports is here:** <https://www.gsi.ie/en-ie/programmes-and-projects/groundwater/projects/protecting-drinking-water/what-is-drinking-water-protection/county-groundwater-protection-schemes/Pages/default.aspx>

Geological Mapping

Geological Survey Ireland maintains online datasets of bedrock and subsoils geological mapping that are reliable and accessible. We would encourage you to use these data which can be found [here](#), in your future assessments.

Please note we have recently launched QGIS compatible bedrock (100K) and Quaternary geology map data, with instructional manuals and videos. This makes our data more accessible to general public and external stakeholders. QGIS compatible data can be found in our downloadable bedrock 100k .zip file on the [Data & Maps](#) section of our website.

Geohazards

Geohazards can cause widespread damage to landscapes, wildlife, human property and human life. In Ireland, landslides, flooding and coastal erosion are the most prevalent of these hazards. We recommend that geohazards be taken into consideration, especially when developing areas where these risks are prevalent, and we encourage the use of our data when doing so.

Geological Survey Ireland has information available on landslides in Ireland via the National Landslide Database and Landslide Susceptibility Map both of which are available for viewing on our dedicated [Map Viewer](#). Associated guidance documentation relating to the National Landslide Susceptibility Map is also available.

Geological Survey Ireland also engaged in a national project on Groundwater Flooding. The data from this project may be useful in relation to Flood Risk Assessment (FRA) and management plans, and is described in more detail under 'Groundwater' above.



Natural Resources (Minerals/Aggregates)

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

We would recommend use of the Aggregate Potential Mapping viewer to identify areas of High to Very High source aggregate potential within the area. In keeping with a sustainable approach, we would recommend use of our data and mapping viewers to identify and ensure that natural resources used in the proposed development are sustainably sourced from properly recognised and licensed facilities, and that consideration of future resource sterilization is considered.

Geochemistry of soils, surface waters and sediments

Geological Survey Ireland provides baseline geochemistry data for Ireland as part of the Tellus programme. Baseline geochemistry data can be used to assess the chemical status of soil and water at a regional scale and to support the assessment of existing or potential impacts of human activity on environmental chemical quality. Tellus is a national-scale mapping programme which provides multi-element data for shallow soil, stream sediment and stream water in Ireland. At present, mapping consists of the border, western and midland regions. Data is available at <https://www.gsi.ie/en-ie/data-and-maps/Pages/Geochemistry.aspx>.

Guidelines

The following guidelines may also be of assistance:

- Institute of Geologists of Ireland, 2013. Guidelines for the Preparation of the Soils, Geology and Hydrogeology Chapters of Geology in Environmental Impact Statements.
- [EPA, 2022](#). Guidelines on the information to be contained in Environmental Impact Assessment Reports (EIAR)

Other Comments

Should development go ahead, all other factors considered, Geological Survey Ireland would much appreciate a copy of reports detailing any site investigations carried out. The data would be added to Geological Survey Ireland's national database of site investigation boreholes, implemented to provide a better service to the civil engineering sector. Data can be sent to the Geological Mapping Unit, at <mailto:GeologicalMappingInfo@gsi.ie>, 01-678 2795.

I hope that these comments are of assistance, and if we can be of any further help, please do not hesitate to the Geological Survey Ireland Planning Team at GSIPlanning@gsi.ie.

Yours sincerely,

Geoheritage and Planning Programme

Enc: Table - Geological Survey Ireland's Publicly Available Datasets Relevant to Planning, EIA and SEA processes.

Geological Survey Ireland's Publicly Available Datasets Relevant to Planning, EIA and SEA processes
following European Union (Planning and Development) (Environmental Impact Assessment) Regulations 2018
(S.I. No. 296 of 2018)

Geological Survey Ireland Programme	Dataset	Relevant EIA Topic	Coverage	Description / Notes / Limitations	Link to Geological Survey Ireland map viewer
Geohazards	Landslide: National landslide database and landslide susceptibility map	Land & Soil/Climate/Landscape	National	Associated guidance documentation relating to the National Landslide Susceptibility Map is also available.	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=b68cf1e4a9044a5981f950e9b9c5625c
Geohazards	Groundwater Flooding (Historic)	Water	Regional	Provide information of historic flooding, both surface water and groundwater. [A lack of flooding presented in any specific location of the map only indicates that a flood has not been detected. It does not indicate that a flood cannot occur in that location at present or in the future]	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=848f83c85799436b808652f9c735b1cc
Geohazards	Groundwater Flooding (Predictive)	Water	Regional	Provides information on the probability of future karst groundwater flooding (where available). [The maps do not, and are not intended to, constitute advice. Professional or specialist advice should be sought before taking, or refraining from, any action on the basis of the flood maps]	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=848f83c85799436b808652f9c735b1cc
Geohazards	Radon Map	Land & Soils/Air	National		http://www.epa.ie/radiation/radonmap/
Geohazards	County Geological Sites as adopted by National Heritage Plan and listed in County Development Plan	Land & Soils/Landscape	Regional	All geological heritage sites identified by Geological Survey Ireland are categorised as CGS pending any further NHA designation by NPWS.	https://dcenr.maps.arcgis.com/apps/MapSeries/index.html?appid=a30af518e87a4c0b2fbd2aaac3c228
Geological Mapping	Bedrock geology:	Land & Soils	National	1:100,000 scale and associated memoirs.	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=de7012a99d2748ea9106e7ee1b6ab8d5&scale=0
Geological Mapping	Bedrock geology:	Land & Soils	Regional	1:50,000 scale	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=de7012a99d2748ea9106e7ee1b6ab8d5&scale=0
Geological Mapping	Quaternary geology: Sediments	Land & Soils	National	1:50,000 scale	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=de7012a99d2748ea9106e7ee1b6ab8d5&scale=0
Geological Mapping	Quaternary geology: Geomorphology	Land & Soils	National	1:50,000 scale	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=de7012a99d2748ea9106e7ee1b6ab8d5&scale=0
Geological Mapping	Physiographic units:	Land & Soils	National	Broad-scale physical landscape units mapped at 1:100,000 scale in order to be represented as a cartographic digital map at 1:250,000 scale	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=afa76a20fc54877843aca1bc075c62b
Geological Mapping	GeoUrban: Spatial geological data for the greater Dublin and Cork areas	Land & Soils	Regional	includes 3D models	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=9768f4818b794c16093beb2212a850ce6&scale=0
Geological Mapping	Geotechnical database	Land & Soils	National	Digitised geotechnical and Site Investigation Reports and boreholes which can be accessed through online downloads	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=a2718be1873d47a585a3f0415b4a724c
Goldmine	Historical data sets including geological memoirs and 6" to 1 mile geological mapping records	Land & Soils/Water	National	available online	https://secure.dcaa.gov.ie/goldmine/index.html
Groundwater & Geothermal	Groundwater resources (aquifers)	Water	National	Data limited to 1:100,000 scale; sites should be investigated at local scale	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=7e8a202301594687ab14629a10b748ef
Groundwater & Geothermal	Groundwater recharge.	Water	National	Data limited to 1:40,000 scale; sites should be investigated at local scale; long term annual average recharge	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=7e8a202301594687ab14629a10b748ef
Groundwater & Geothermal	Groundwater vulnerability.	Water	National	Data limited to 1:40,000 scale; sites should be investigated at local scale	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=7e8a202301594687ab14629a10b748ef
Groundwater & Geothermal	Group scheme and public supply source protection areas.	Water	National	Not all PWS / GWS have SPZ / ZOC. Check with IW / coco / NFGWS for private supplies.	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=7e8a202301594687ab14629a10b748ef
Groundwater & Geothermal	Groundwater Protection Schemes	Water	National	Data is limited to scale of 1:40,000. Data does not include all of the source protection areas	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=7e8a202301594687ab14629a10b748ef
Groundwater & Geothermal	Catchment and WFD management units.	Water	National		https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=7e8a202301594687ab14629a10b748ef
Groundwater & Geothermal	karst specific data layers	water	National	For areas underlain by limestone, includes karst features, tracer test database; turlough water levels (gwlevel.ie)	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=7e8a202301594687ab14629a10b748ef
Groundwater & Geothermal	Wells and Springs	Water	National	Not comprehensive, there may be unrecorded wells and springs	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=7e8a202301594687ab14629a10b748ef
Groundwater & Geothermal	Groundwater body Descriptions	Water	National	Not exhaustive; only those in designated SACs; could be other GWDTEs; for more information contact NPWS / EPA / site investigations Also, Roadmap for a Policy and Regulatory Framework for Geothermal Energy, November 2020	https://www.gsi.ie/en-ie/programmes-and-projects/groundwater-and-geothermal-unit/activities/understanding-ireland-groundwater/Pages/Groundwater-bodies.aspx
Groundwater & Geothermal	Geothermal Suitability maps	Land & Soils/Water	National		https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=9ee46bee08de41278b90a9916dc0b9e
Marine & Coastal Unit	INFOMAR - Ireland's national marine mapping programme; providing key baseline data for Ireland's	Water	National		https://secure.dcaa.gov.ie/GSI/INFOMAR_VIEWER/
Marine & Coastal Unit	CHERISH - Coastal change project (Climate, Heritage and Environments of Reefs, Islands, and Headlands)	Water	Regional		http://www.cherishproject.eu/en/
Marine & Coastal Unit	Coastal Vulnerability Index (CVI).	water / Land & Soils	Regional	Currently the project is being carried out on the east coast and will be rolled out nationally	https://www.gsi.ie/en-ie/programmes-and-projects/marine-and-coastal-unit/projects/Pages/Coastal-Vulnerability-Index.aspx
Minerals	Aggregate potential	Land & Soils/Material Assets	National	Consideration of mineral resources and potential resources as a material asset which should be explicitly recognised within the environmental assessment process	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=ee8c4c285a49413aa6f1344416dc9956
Minerals	Active quarries	Land & Soils	National		https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=ee8c4c285a49413aa6f1344416dc9956
Minerals	Historic mines	Land & Soils/Cultural Heritage	National	Inventory and Risk Classification 2009. Environmental Protection Agency, Economic Minerals Division and Geological Survey Ireland (DECC).	https://gis.epa.ie/EPAMaps/default?teasing=7&nothing=7&lid=EPA:LEMA_Facilities_Extractive_Facilities
Tellus	Geochemical data: multi-element data for shallow soil, stream sediment and stream water	Land & Soils	Regional	A national mapping programme	https://www.epa.ie/enforcement/mines/
Tellus	Airborne geophysical data including radiometrics, electromagnetics and magnetics	Land & Soils	Regional	A national mapping programme	https://dcenr.maps.arcgis.com/apps/MapSeries/index.html?appid=6304e122b733498b99642707f72754
Tellus	urban geochemistry mapping (Dublin SURGE project).	Land & Soils	Regional	A national mapping programme	https://dcenr.maps.arcgis.com/apps/MapSeries/index.html?appid=6304e122b733498b99642707f72754

Notes:

- The maps and data listed above are available on the Geological Survey Ireland map viewer <https://www.gsi.ie/en-ie/data-and-maps/Pages/default.aspx>
- Please read all disclaimers carefully when using Geological Survey Ireland data
- Geological Survey Ireland and Irish Concrete Federation published guidelines for the treatment of geological heritage in the extractive industry in 2008.

Evan Connolly

From: Leo OConnor2 <Leo.OConnor2@hse.ie>
Sent: Tuesday 15 October 2024 12:04
To: Evan Connolly
Cc: Jonny Fearon
Subject: RE: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

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Hi Evan

Received with thanks.

Kind Regards,

Leo O'Connor

Oifigeach Sláinte Comhshaoil | FSS Seirbhís Náisiúnta Sláinte Comhshaoil
Environmental Health Officer | HSE National Environmental Health Service

FSS Seirbhís Náisiúnta Sláinte Comhshaoil, Ionad Cúram Pobail, Bothar Thiar, Cluain Meala, Tiobraid Árann
HSE National Environmental Health Service, South Tipperary, Community Care Centre, Western Road, Clonmel, Co. Tipperary

087 193 7928 | 052 617 7294 | [HSE National Environmental Health Service: About Us](#)



From: Evan Connolly <econnolly@mkoireland.ie>
Sent: Friday 11 October 2024 10:11
To: Leo OConnor2 <Leo.OConnor2@hse.ie>
Cc: Jonny Fearon <jfearon@mkoireland.ie>
Subject: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

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Dear Mr. O'Connor,

MKO is preparing an Environmental Impact Assessment Report (EIAR) and Natura Impact Statement (NIS) to accompany a planning application, on behalf of Carrow Renewable Energy Ltd, for a proposed wind farm development located at Carrow and surrounding townlands, north of Dundrum, approximately 2km south of Hollyford, Co. Tipperary.

An initial round of scoping was conducted in March 2024 and since that time, the project has evolved. This email and the attached Revised Scoping Document and Letter provide an update on the project.

As part of the EIA process, we would welcome any comments that you might have in relation to the Proposed Development, 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. 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,
Evan

Evan Connolly BSc. MSc.
Graduate Environmental Scientist

MKO

9C Beckett Way, Park West
Business Park, Dublin, D12 XN9W



Offices in Galway and Dublin
mkoireland.ie | +353 (0)91 735 611

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From: Leo OConnor2 <Leo.OConnor2@hse.ie>

Sent: Wednesday 15 May 2024 11:07

To: MKO-Admin <info@mkoireland.ie>; Natalia Stolarska <nstolarska@mkoireland.ie>

Cc: Andrew Sulley <Andrew.Sulley@hse.ie>; EnvCcnsu <Env.CCNSU@hse.ie>; SouthTipp PEHO <southtipp.peho@hse.ie>

Subject: FAO of Natalia Stolarska ref EIA Scoping Carrow WF 231102

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Dear Natalia.

Please see the attached EIA scoping for the proposed carrow wind farm, with comments from the National Environmental Health Service and Emergency Management enclosed.

If you require further clarification please contact me

Kind Regards,

Leo O'Connor

Oifigeach Sláinte Comhshaoil | Environmental Health Officer

Seirbhís Sláinte Comhshaoil Náisiúnta, HSE, Ionad Cúram Pobail, Bothar Thiar, Cluain Meala, Tiobraid Árann
National Environmental Health Service, HSE, South Tipperary, Community Care Centre, Western Road, Clonmel, Co. Tipperary

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"Tá an fhaisnéis sa ríomhphost seo (ceangaltáin san áireamh) faoi rún. Baineann sé leis an té ar seoladh chuige amháin agus tá sé ar intinn go bhfaighfidh siadsan amháin é agus gurb iadsan amháin a dhéanfaidh breithniú air. Más rud é nach tusa an duine ar leis é, tá cosc iomlán ar aon fhaisnéis atá ann, a úsáid, a chraobhscaoileadh, a scaipeadh, a nochtadh, a fhoilsiú, ná a chóipeáil. Seains gurb iad tuairimí pearsanta an údar atá san ríomhphost agus nach tuairimí FSS iad.

Má fuair tú an ríomhphost seo trí dhearmad, bheadh muid buíoch dá gcuirfeá in iúl don Deasc Seirbhísí ECT ar an nguthán ag [+353 818 300300](tel:+353818300300) nó ar an ríomhphost chuig service.desk@hse.ie agus ansin glan an ríomhphost seo ded' chóras."

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"Tá an fhaisnéis sa ríomhphost seo (ceangaltáin san áireamh) faoi rún. Baineann sé leis an té ar seoladh chuige amháin agus tá sé ar intinn go bhfaighfidh siadsan amháin é agus gurb iadsan amháin a dhéanfaidh breithniú air. Más rud é nach tusa an duine ar leis é, tá cosc iomlán ar aon fhaisnéis atá ann, a úsáid, a

chraobhscaoileadh, a scaipeadh, a nochtadh, a fhoilsiú, ná a chóipeáil . Seains gurb iad tuairimí pearsanta an údar atá san ríomhphost agus nach tuairimí FSS iad.

Má fuair tú an ríomhphost seo trí dhearmad, bheadh muid buíoch dá gcuirfeá in iúil don Deasc Seirbhísí ECT ar an nguthán ag [+353 818 300300](tel:+353818300300) nó ar an ríomhphost chuig service.desk@hse.ie agus ansin glan an ríomhphost seo ded' chóras."

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HSE South Emergency Management Consultation Report			
Report to	Kay O'Connor, T/PEHO, South Tipperary	Date	2 nd April, 2024
Type of consultation: EIS ☐ Scoping X Screening ☐ EIAR ☐ EPA ☐ Other (please specify)			
Authority	Tipperary County Council		
Reference No.	(MKO) 231102 EHIS Ref No. 3840		
EM Reference Number	EMENV 195		
Applicant	MKO, Tuam Road, Galway for Carrow Renewable Energy Limited		
Proposal	Proposed wind farm development at Carrow and adjacent townlands, located in County Tipperary. 8 no. wind turbines, 38kV electricity substation & underground electrical cabling for grid connection.		

HSE South Emergency Management Observations:

Please be advised that the HSE South Emergency Management function does not have any specific observations to make with respect to this application. However, please note the following recommendations within the context of site operations:

1. Should an incident occur at the site and the site operator requires the assistance of the emergency services, the incident information should be provided in the 'ETHANE' format (please see attached).
2. Emergency Services access to the site should be clearly identified. This should be undertaken via appropriate high visibility signage, i.e.; a green sign with a yellow border and white lettering citing the abbreviation RVP
3. The site should have a mechanism in place to account for personnel during an evacuation in order to provide the responding emergency services with an estimate of the number of people accounted and unaccounted for.
4. The site should identify any critical / vulnerable facilities within the geographical catchment area, such as hospitals, schools, nursing homes, etc, that could be directly or indirectly affected by an incident at the site.
5. Where the 'off-site' impacts of an incident at the site affects a vulnerable cohort / population such as children within crèches, schools; patients / clients / residents within nursing homes, etc; the emergency services will require assistance from the site operator in determining the impact on the local community.
6. The site operator is encouraged to develop a business continuity plan that includes a plan for severe weather. For more advice on this, please see the Department of Business, Enterprise and Innovation, *Business Continuity Planning in Severe Weather*.
<https://dbei.gov.ie/en/Publications/Publication-files/Business-Continuity-Planning-in-Severe-Weather-Check-List-for-Businesses.pdf>

All correspondence or any queries with regard to this report should be forwarded to Ms. Maryanne Horgan, Emergency Management Office, HSE South, Eye, Ear and Throat Hospital, Western Road, Cork, T12 WP62 or maryanne.horgan@hse.ie



FAO Natalia Stolarska
McCarthy Keville O'Sullivan Ltd
Tuam Road
Galway
Ireland
H91 VW84

HSE EIA Scoping

National Environmental Health Service Submission Report

(as a Statutory Consultee under Article 28 of the Planning and Development Act 2000 (as amended) & Regulations made thereunder)

Date: 13th May 2024
Our reference: EHIS 3840
Report to: Natalia Stolarska
Type of Consultation: EIA Scoping 231102

Proposed development: approximately 8 no. wind turbines, access roads and entrance(s), borrow pit(s), on site 38kV electricity substation, electrical cabling for grid connection, temporary construction compounds, temporary turbine delivery junction accommodation works, and a permanent meteorological mast. All site cabling including the grid connection to the existing Cauteen 110kV substation will be laid underground within the public road corridor.

Development at Carrow and adjacent townlands, located in County Tipperary.

The following HSE stakeholders were consulted on the scoping on the 2nd April 2024:

- Emergency Planning – David O'Sullivan
- Estates – Helen Maher/Stephen Murphy
- Director of National Health Protection – Eamonn O' Moore/ Ina Kelly
- CHO – Kate Killeen White

Clarification on the content of this submission should be made, in the first instance, to Kay O'Connor, PEHO at: southtipp.peho@hse.ie

Kay O'Connor

Principal Environmental Health Officer



General Introduction

The following documents should be taken into consideration when preparing the Environmental Impact Assessment Report:

- Guidelines for Planning Authorities and An Bord Pleanála on carrying out Environmental Impact Assessment

https://www.housing.gov.ie/sites/default/files/publications/files/guidelines_for_planning_authorities_and_an_bord_pleanála_on_carrying_out_eia_-_august_2018.pdf

EU publication: Environmental Impact Assessment of Projects Guidance on the preparation of the Environmental Impact Assessment Report, EU, 2017

http://ec.europa.eu/environment/eia/pdf/EIA_guidance_EIA_report_final.pdf

Adoption of the Directive (2014/52/EU) in April 2014 initiated a review of the National Guidance for EIA and the EIAR accompanying a planning application. New guidelines can be seen at:

<https://www.epa.ie/publications/monitoring--assessment/assessment/guidelines-on-the-information-to-be-contained-in-environmental-impact-assessment.php>

The introduction of the new Guidance is supported by a Webinar produced by the EPA and can be found at:

<https://www.youtube.com/embed/ejKVFUztBY>

The applicant should also consider the findings of the High Court judgement issued in the judicial review of the Derryadd Wind Farm. (2021 IEHC 390 [20202 No. 557 JR] P. Sweetman v An Bord Pleanála)

Generally the Environmental Impact Assessment should examine all likely significant impacts and provide the following information for each:

- a) Description of the receiving environment;
- b) The nature and scale of the impact;
- c) An assessment of the significance of the impact;
- d) Proposed mitigation measures;
- e) Residual impacts.



Directive 2014/52/EU has an enhanced requirement to assess likely significant impacts on Population and Human Health. It is the experience of the National Environmental Health Service (NEHS) that impacts on human health are often inadequately assessed in EIAs in Ireland. It is recommended that the wider determinants of health and wellbeing are considered in a proportionate manner when considering the EIA. Guidance on wider determinants of health can be found at www.publichealth.ie

In addition to any likely significant negative impacts from the proposed development, any positive likely significant impacts should also be assessed.

The HSE will consider the final EIAR accompanying the Planning application and will make comments to the Local Planning Authority on the methodology used for assessing the likely significant impacts and the evaluation criteria used in assessing the significance of the impact.

The National Environmental Health Service (EHS) recommends that the following matters are included and assessed in the EIAR

- Public Consultation
- Decommissioning phase of the proposed wind farm
- Siting and location of turbines
- Noise & Vibration
- Shadow Flicker
- Air Quality
- Surface and Groundwater Quality
- Geological Impacts
- Ancillary facilities
- Cumulative impacts

Public Consultation

It is recommended that early and meaningful public consultation with the local community is undertaken to ensure all potentially significant impacts of the proposed windfarm development have been adequately addressed.

All parties affected by the proposed development, **including those who may benefit financially from the project**, must be fully informed of what the proposal entails especially with regard to potential impacts on surrounding areas.



Sensitive receptors and other stakeholders should be identified to ensure all necessary and appropriate mitigation measures are put in place to reduce the likelihood of any complaints about the proposed wind farm development in the future.

The National Environmental Health Service expects that meaningful public consultation, where the local community is fully informed of the proposed development, will be undertaken. Members of the public should be given sufficient opportunity to express their views on the proposed windfarm development.

The Environmental Impact Assessment Report (EIAR) should clearly demonstrate the link between public consultations and how those consultations have influenced the decision-making process in the EIA.

To assist with the consultation and planning process it is recommended that the applicant develops a dedicated website for the proposed windfarm development. All correspondence, maps, project updates and documentation including the EIAR should be uploaded to the website

The EIAR should state the period of planning permission sought, the length of time construction is estimated to take and if it is anticipated that the windfarm development will be decommissioned and removed or will continue to operate (following any further planning consent) at the end of this period of planning permission (should permission be granted)

Decommissioning

The EIAR should detail the eventual fate of the wind turbines and associated material i.e. will the material be recycled or how will it be disposed of.

Information should also be provided regarding the proposed methodology to be used for the disposal of the materials forming the foundations of the wind turbines.

The EIAR should indicate the proposed future use of the development site at the end of the planning permission period.

Siting, Location and details of Turbines

The EIAR should include a map and a description of the proposed location of each of the proposed wind turbines.

The National Environmental Health Service expects that details (height and model) of the turbines to be installed will be available at the time planning permission is sought and will be included in the EIAR.

Details of the foundations for the wind turbine including depth, quantity and material to be used should be included in the EIAR.



Assessment of Consideration of Alternatives

The EIAR should consider an assessment of alternatives. The NEHS recommends that alternative renewable energy options to on- shore wind farms should be assessed as part of the EIAR.

Noise & Vibration

The potential impacts for noise and vibration from the proposed development on all noise sensitive locations must be clearly identified in the EIAR. The EIAR must also consider the appropriateness and effectiveness of all proposed mitigation measures to mitigate noise and vibration.

A baseline noise monitoring survey should be undertaken to establish the existing background noise levels. Noise from any existing turbines in the area should not be included as part of the back ground levels.

In addition, an assessment of the predicted noise impacts during the construction phase and the operational phase of the proposed windfarm development must be undertaken which details the change in the noise environment resulting from the proposed development.

The Draft Revised Wind Energy Development Guidelines were published in December 2019. Whilst these have yet to be adopted, any proposed wind farm development should have consideration of the draft Guidelines.

https://www.housing.gov.ie/sites/default/files/public-consultation/files/draft_revised_wind_energy_development_guidelines_december_2019.pdf

.

Shadow Flicker

It is recommended that a shadow flicker assessment is undertaken to identify any dwellings and sensitive receptors which may be impacted by shadow flicker. The assessment must include all proposed mitigation measures. Dwellings should include all occupied properties and any existing or proposed properties for which planning consent has been granted for construction or refurbishment.

It is recommended that turbine selection will be based on the most advanced available technology that permits shut down during times when residents are exposed to shadow flicker. As a result no dwelling should be exposed to shadow flicker.

Air Quality

Due to the nature of the proposed construction works generation of airborne dust has the potential to have significant impacts on sensitive receptors. A Construction Environmental Management Plan (CEMP) should be included in the EIAR which details dust control and mitigation measures. Measures should include:



- Sweeping of hard road surfaces
- Provision of a water bowser on site, regular spraying of haul roads
- Wheel washing facilities at site exit
- Restrict speed on site
- Provide covers to all delivery trucks to minimise dust generation
- Inspect and clean public roads in the vicinity if necessary
- Material stockpiling provided with adequate protection from the wind
- Dust monitoring at the site boundary
- Truck inspection and maintenance plan
- Details of a road maintenance agreement between the wind farm operator and the Local Roads Authority to clarify responsibility for the upkeep and repair of access roads during the construction phase of the project

Surface and Ground Water Quality

The proposed development has the potential to have a significant impact on the quality of both surface and ground water. All drinking water sources, both surface and ground water, must be identified. Public and Group Water Scheme sources and supplies should be identified in addition to any private wells supplying potable water to houses in the vicinity of the proposed development. Measures to ensure that all sources and supplies are protected should be described. The National Environmental Health Service recommends that a walk over survey of the site is undertaken in addition to a desktop analysis of Geological Survey of Ireland data in order to identify the location of private wells used for drinking water purposes.

Any potential significant impacts to drinking water sources should be assessed. Details of bedrock, overburden, vulnerability, groundwater flows, aquifers and catchment areas should be considered when assessing potential impacts and any proposed mitigation measures.

Any impacts on surface water as a result of the construction of the underground cables should be identified and addressed in the EIAR.

Geotechnical and Peat Stability Assessment

A detailed assessment of the current ground stability of the site for the proposed windfarm development and all proposed mitigation measures should be detailed in the EIAR. The assessment should include the impact construction work may have on the future stability of ground conditions, taking into consideration extreme weather events, site drainage and the potential for soil erosion.



Information should be provided on the make and model of the turbines and on construction details for the turbine foundations, including the depth and volume of concrete required. An accurate assessment of the potential impacts of the foundations on water quality and peat stability cannot be undertaken without this information.

Reference is made to a peat slide which occurred near Ballybofey in Co. Donegal on 13th November 2020 which may have been linked to construction activity at Meenbog Wind Farm. Potential impacts on water supply associated with contamination following a peat slide include sedimentation and alteration of pH levels.

The National Environmental Health Service recommends that a detailed Peat Stability/Geotechnical Assessment should be undertaken to assess the suitability of the soil for the proposed development. The EIAR should include provision for a peat stability monitoring programme to identify early signs of potential bog slides ('pre-failure indicators' see the Scottish Government's 'Peat Landslide Hazard and Risk Assessments: Best Practice Guide for Proposed Electricity Developments 2017) <https://www.gov.scot/binaries/content/documents/govscot/publications/advice-and-guidance/2017/04/peat-landslide-hazard-risk-assessments-best-practice-guide-proposed-electricity/documents/00517176-pdf/00517176-pdf/govscot%3Adocument/00517176.pdf>

Ancillary Facilities

The EIAR should include details of the location of all site office, construction compound, fuel storage depot, sanitary accommodation and canteen, First Aid facilities, disposal of wastewater and the provision of a potable water supply to the site canteen.

Cumulative Impacts

All existing or proposed wind farm developments in the vicinity should be clearly identified in the EIAR.

The impact on sensitive receptors of the proposed development combined with any other wind farm/renewable energy developments in the vicinity should be considered. The EIAR should include a detailed assessment of any likely significant cumulative impacts of the proposed windfarm development.



Andrew Sulley
Senior Environmental Health Officer



**Dial 999 / 112 – Request the service you require: An Garda Síochána, Ambulance
Service and / or Fire and Rescue Service**

WHEN YOU ARE CONNECTED TO THE REQUISITE SERVICE(S)

GIVE THE FOLLOWING INFORMATION

This is: _____ Eircode _____
(Name, Telephone Number and Eircode Address of site)

An incident has occurred at this site - standby for ETHANE message

E	
	Exact location of the incident
T	
	Type of incident, e.g.; fire, explosion, gas leak, etc
H	
	Hazards – current and potential
A	
	Access and Egress – what is the safest approach route for responding emergency services and where is your emergency services meeting point (RVP)
N	
	Number of casualties and their condition – specify adult / children if known
E	
	The emergency services present and required

**R.V.P.
No.1**

N.B. If you require another emergency service stay on the line and repeat the steps again

Natalia Stolarska

From: Leo OConnor2 <Leo.OConnor2@hse.ie>
Sent: Wednesday 15 May 2024 11:07
To: MKO-Admin; Natalia Stolarska
Cc: Andrew Sulley; EnvCcnsu; SouthTipp PEHO
Subject: FAO of Natalia Stolarska ref EIA Scoping Carrow WF 231102
Attachments: HSE South Emergency Management Consultation Report EMENV 195.docx; ETHANE Aide Memoire 2.pdf; 231102_Carrow Wind Farm.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Some people who received this message don't often get email from leo.oconnor2@hse.ie. [Learn why this is important](#)

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Dear Natalia.

Please see the attached EIA scoping for the proposed carrow wind farm, with comments from the National Environmental Health Service and Emergency Management enclosed.

If you require further clarification please contact me

Kind Regards,

Leo O'Connor

Oifigeach Sláinte Comhshaoil | Environmental Health Officer

Seirbhís Sláinte Comhshaoil Náisiúnta, HSE, Ionad Cúram Pobail, Bothar Thiar, Cluain Meala, Tiobraid Árann
National Environmental Health Service, HSE, South Tipperary, Community Care Centre, Western Road, Clonmel, Co. Tipperary

087 193 7928 | 052 617 7294 | [HSE Environmental Health: About Us](#)



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"Tá an fhaisnéis sa ríomhphost seo (ceangaltáin san áireamh) faoi rún. Baineann sé leis an té ar seoladh chuige amháin agus tá sé ar intinn go bhfaighfidh siadsan amháin é agus gurb iadsan amháin a dhéanfaidh breithniú air. Más rud é nach tusa an duine ar leis é, tá cosc iomlán ar aon fhaisnéis atá ann, a úsáid, a chraobhscaoileadh, a scaipeadh, a nochtadh, a fhoilsiú, ná a chóipeáil. Seains gurb iad tuairimí pearsanta an údar atá san ríomhphost agus nach tuairimí FSS iad.

Má fuair tú an ríomhphost seo trí dhearmad, bheadh muid buíoch dá gcuirfeá in iúl don Deasc Seirbhísí ECT ar an nguthán ag [+353 818 300300](tel:+353818300300) nó ar an ríomhphost chuig service.desk@hse.ie agus ansin glan an ríomhphost seo ded' chóras."

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Edward Ryan

From: Nick West <Nick.West@irishrail.ie>
Sent: Wednesday 23 October 2024 11:00
To: Evan Connolly
Cc: Huda Abbas Yousif; Fiona Kelly; Andrew Wilson; Niall Mcnamara; Jonny Fearon
Subject: RE: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

Follow Up Flag: Follow up
Flag Status: Flagged

You don't often get email from nick.west@irishrail.ie. [Learn why this is important](#)

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Evan,

Our Environmental Department will be asked to respond to your EIAR.

My role is to deal with the engineering impacts of the proposed project. I note that the site boundary crosses the railway in the vicinity of the townlands of Gorteenaskagh and Grange East west of Cappaghmore, Co Limerick (circled below) and presume that this is for the route for a connection back into the grid. I was unaware of this proposal and I do not believe that we have been asked to give our consent to such a crossing. Would you please ask your client to contact me to discuss this, copying all of those copied here from Irish Rail.



Many thanks,

Regards,

Nick West

Priomh-innealltóir, Faomhadh Teicniúil, Iarnród Éireann, Stáisiún na Phiarsaigh, Rae an Iarthair, Baile Átha Cliath 2, D02 RV00
Principal Engineer Technical Approvals, Irish Rail, Pearse Station, Westland Row, Dublin 2, D02RV00
T 01 703 3508 F 01 703 3591 E nick.west@irishrail.ie W www.irishrail.ie



From: Evan Connolly <econnolly@mkoireland.ie>

Sent: Friday 11 October 2024 09:59

To: Andrew Wilson <Andrew.Wilson@irishrail.ie>

Cc: Jonny Fearon <jfearon@mkoireland.ie>; Colin Hedderly <Colin.Hedderly@irishrail.ie>

Subject: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

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Dear Mr. Wilson,

MKO is preparing an Environmental Impact Assessment Report (EIAR) and Natura Impact Statement (NIS) to accompany a planning application, on behalf of Carrow Renewable Energy Ltd, for a proposed wind farm development located at Carrow and surrounding townlands, north of Dundrum, approximately 2km south of Hollyford, Co. Tipperary.

An initial round of scoping was conducted in March 2024 and since that time, the project has evolved. This email and the attached Revised Scoping Document and Letter provide an update on the project.

As part of the EIA process, we would welcome any comments that you might have in relation to the Proposed Development, 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. 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,
Evan

Evan Connolly BSc. MSc.
Graduate Environmental Scientist

MKO

9C Beckett Way, Park West
Business Park, Dublin, D12 XN9W

Offices in Galway and Dublin
mkoireland.ie | +353 (0)91 735 611



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From: Natalia Stolarska
Sent: Friday 21 June 2024 16:03
To: Colin Hedderly <Colin.Hedderly@irishrail.ie>
Cc: Jonny Fearon <jfearon@mkoireland.ie>; Eoin McCarthy <emccarthy@mkoireland.ie>; Andrew Wilson <Andrew.Wilson@irishrail.ie>
Subject: RE: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

Good Afternoon,

I just wanted to follow up on the below scoping request for the Proposed Carrow Wind Farm Development, Co. Tipperary. If you could return any comments or suggestions at your earliest convenience, it would be much appreciated.

Kind regards,
Natalia.

Natalia Stolarska BSc. MSc.
Graduate Environmental Scientist

MKO

Tuam Road, Galway, H91 VW84

Offices in Galway and Dublin
mkoireland.ie | +353 (0)91 735 611



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From: Colin Hedderly <Colin.Hedderly@irishrail.ie>
Sent: Thursday, March 28, 2024 12:43 PM
To: Andrew Wilson <Andrew.Wilson@irishrail.ie>
Cc: Jonny Fearon <jfearon@mkoireland.ie>; Eoin McCarthy <emccarthy@mkoireland.ie>; Natalia Stolarska <nstolarska@mkoireland.ie>
Subject: FW: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

You don't often get email from colin.hedderly@irishrail.ie. [Learn why this is important](#)

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Hi Andrew,
This is in your area.

Regards,
Colin

From: Natalia Stolarska <nstolarska@mkoireland.ie>
Sent: Thursday, March 28, 2024 9:40 AM
To: Colin Hedderly <Colin.Hedderly@irishrail.ie>
Cc: Jonny Fearon <jfearon@mkoireland.ie>; Eoin McCarthy <emccarthy@mkoireland.ie>
Subject: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

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Dear Mr Hedderly,

MKO is preparing an Environmental Impact Assessment Report (EIAR) and Natura Impact Statement (NIS) to accompany a planning application, on behalf of Carrow Renewable Energy Ltd, for a proposed wind farm development located at Carrow and surrounding townlands, north of Dundrum, approximately 2km south of Hollyford, Co. Tipperary.

The proposed project will likely encompass up to 8 no. wind turbines, access roads and entrance(s), borrow pit(s), on site 38kV electricity substation, electrical cabling for grid connection, temporary construction compound s, temporary turbine delivery junction accommodation works, and a permanent meteorological mast. It is anticipated the development will not meet the Strategic Infrastructure Development (SID) thresholds of 25 no. turbines or 50 Megawatts (MW) for wind energy as set out in the 7th Schedule of the Planning and Development Act 2000, (as amended). In this regard, it is intended to submit the planning permission application to Tipperary County Council.

Please see attached a Cover Letter and Scoping Document providing details of the proposed project. As part of the EIA process, we would welcome any comments that you might have in relation to the Proposed Development, 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. 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,
Natalia.

Natalia Stolarska
Graduate Environmental Scientist

MKO
Tuam Road, Galway, H91 VW84

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Edward Ryan

From: Evan Connolly
Sent: Friday 11 October 2024 09:24
To: 'limerick@fisheriesireland.ie'
Cc: Jonny Fearon
Subject: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary
Attachments: Inland Fisheries Scoping Revision Cover Letter.pdf; Carrow Scoping Revision Document F - 2024.10.10- 231102.pdf

To whom it may concern,

MKO is preparing an Environmental Impact Assessment Report (EIAR) and Natura Impact Statement (NIS) to accompany a planning application, on behalf of Carrow Renewable Energy Ltd, for a proposed wind farm development located at Carrow and surrounding townlands, north of Dundrum, approximately 2km south of Hollyford, Co. Tipperary.

An initial round of scoping was conducted in March 2024 and since that time, the project has evolved. This email and the attached Revised Scoping Document and Letter provide an update on the project.

As part of the EIA process, we would welcome any comments that you might have in relation to the Proposed Development, 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. 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,
Evan

Evan Connolly BSc. MSc.
Graduate Environmental Scientist

MKO

9C Beckett Way, Park West
Business Park, Dublin, D12 XN9W

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From: Natalia Stolarska
Sent: Friday 21 June 2024 16:04
To: 'limerick@fisheriesireland.ie' <limerick@fisheriesireland.ie>
Cc: Jonny Fearon <jfearon@mkoireland.ie>; Eoin McCarthy <emccarthy@mkoireland.ie>
Subject: RE: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

Dear Sir/ Madam,

I just wanted to follow up on the below scoping request for the Proposed Carrow Wind Farm Development, Co. Tipperary. If you could return any comments or suggestions at your earliest convenience, it would be much appreciated.

Kind regards,
Natalia.

Natalia Stolarska BSc. MSc.
Graduate Environmental Scientist

MKO

Tuam Road, Galway, H91 VW84

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From: Natalia Stolarska
Sent: Thursday, March 28, 2024 9:41 AM
To: limerick@fisheriesireland.ie
Cc: Jonny Fearon <jfearon@mkoireland.ie>; Eoin McCarthy <emccarthy@mkoireland.ie>
Subject: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

Dear Sir/Madam,

MKO is preparing an Environmental Impact Assessment Report (EIAR) and Natura Impact Statement (NIS) to accompany a planning application, on behalf of Carrow Renewable Energy Ltd, for a proposed wind farm development located at Carrow and surrounding townlands, north of Dundrum, approximately 2km south of Hollyford, Co. Tipperary.

The proposed project will likely encompass up to 8 no. wind turbines, access roads and entrance(s), borrow pit(s), on site 38kV electricity substation, electrical cabling for grid connection, temporary construction compound s, temporary turbine delivery junction accommodation works, and a permanent meteorological mast. It is anticipated the development will not meet the Strategic Infrastructure Development (SID) thresholds of 25 no. turbines or 50 Megawatts (MW) for wind energy as set out in the 7th Schedule of the Planning and Development

Act 2000, (as amended). In this regard, it is intended to submit the planning permission application to Tipperary County Council.

Please see attached a Cover Letter and Scoping Document providing details of the proposed project. As part of the EIA process, we would welcome any comments that you might have in relation to the Proposed Development, 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. 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,
Natalia.

Natalia Stolarska
Graduate Environmental Scientist

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Evan Connolly

From: Christophe O'BRIEN <Christophe.OBRIEN@IAA.ie>
Sent: Friday 11 October 2024 14:53
To: Evan Connolly
Cc: Planning
Subject: RE: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

You don't often get email from christophe.obrien@iaa.ie. [Learn why this is important](#)

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Good afternoon Evan,

Similar to our initial response in March 2024, as no proposed turbine locations or blade tip heights appear to be provided in the documentation, the IAA can only offer very high-level comments at this time.

Air Nav Ireland and Shannon Airport (Shannon Airport Authority) should both be consulted in relation to the proposal for the potential impact on both Shannon Airport and en route communication, navigation and surveillance aids.

Please contact: planning@airnav.ie & paul.hennessy@snnairportgroup.ie

In general terms, the IAA has no specific requirements for inclusion in the scoping reports based on the very high-level information presented. More formal observations can be provided when an indicative scheme of turbine coordinates and positions / blade tip heights are available.

If a formal planning application is progressed, it is likely that the following general observations would be proffered by the Authority during the planning process:

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 blade 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

M: +353 (0) 86 33 22022 |

E: obrienc@iaa.ie | www.iaa.ie

The Times Building, 11-12 D'Olier Street, Dublin 2, D02 T449



ÚDARÁS EITLÍOCHTA NA hÉIREANN
IRISH AVIATION AUTHORITY

From: Evan Connolly <econnolly@mkoireland.ie>
Sent: Thursday 10 October 2024 17:17
To: Christophe O'BRIEN <Christophe.OBRIEN@IAA.ie>
Subject: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

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Dear Mr. O'Brien

MKO is preparing an Environmental Impact Assessment Report (EIAR) and Natura Impact Statement (NIS) to accompany a planning application, on behalf of Carrow Renewable Energy Ltd, for a proposed wind farm development located at Carrow and surrounding townlands, north of Dundrum, approximately 2km south of Hollyford, Co. Tipperary.

An initial round of scoping was conducted in March 2024 and since that time, the project has evolved. This email and the attached Revised Scoping Document and Letter provide an update on the project.

As part of the EIA process, we would welcome any comments that you might have in relation to the Proposed Development, 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. 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,
Evan

Evan Connolly BSc. MSc.
Graduate Environmental Scientist

MKO

9C Beckett Way, Park West
Business Park, Dublin, D12 XN9W

Offices in Galway and Dublin
mkoireland.ie | +353 (0)91 735 611



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From: Christophe O'BRIEN <Christophe.O'BRIEN@IAA.ie>
Sent: Thursday 28 March 2024 10:12
To: Natalia Stolarska <nstolarska@mkoireland.ie>
Cc: Planning <planning@iaa.ie>; Jonny Fearon <jfearon@mkoireland.ie>; Eoin McCarthy <emccarthy@mkoireland.ie>
Subject: RE: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

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Good morning Natalia,

As no proposed turbine locations or blade tip heights appear to be provided in the documentation, the IAA can only offer very high-level comments at this time.

As identified in the list of consultees, Air Nav Ireland (listed as Aviation Navigation Ireland in Table-1?) and Shannon Airport (Shannon Airport Authority) should both be consulted in relation to the proposal for the potential impact on both Shannon Airport and en route communication, navigation and surveillance aids.

Please contact: planning@airnav.ie & paul.hennessy@snnairportgroup.ie

In general terms, the IAA has no specific requirements for inclusion in the scoping reports based on the very high-level information presented. More formal observations can be provided when an indicative scheme of turbine coordinates and positions / blade tip heights are available.

If a formal planning application is progressed, it is likely that the following general observations would be proffered by the Authority during the planning process:

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- (2) provide as-constructed coordinates in WGS84 format together with ground and blade 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

M: +353 (0) 86 33 22022 |

E: obrienc@iaa.ie | www.iaa.ie

The Times Building, 11-12 D'Olier Street, Dublin 2, D02 T449



ÚDARÁS EITLÍOCHTA NA hÉIREANN
IRISH AVIATION AUTHORITY

From: Natalia Stolarska <nstolarska@mkoireland.ie>

Sent: Thursday, March 28, 2024 9:43 AM

To: Planning <planning@iaa.ie>

Cc: Christophe O'BRIEN <Christophe.O'BRIEN@IAA.ie>; Jonny Fearon <jfearon@mkoireland.ie>; Eoin McCarthy <emccarthy@mkoireland.ie>

Subject: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

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Dear Mr O'Brien,

MKO is preparing an Environmental Impact Assessment Report (EIAR) and Natura Impact Statement (NIS) to accompany a planning application, on behalf of Carrow Renewable Energy Ltd, for a proposed wind farm development located at Carrow and surrounding townlands, north of Dundrum, approximately 2km south of Hollyford, Co. Tipperary.

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

Kind regards,
Natalia.

Natalia Stolarska
Graduate Environmental Scientist

MKO

Tuam Road, Galway, H91 VW84

Offices in Galway and Dublin
mkoireland.ie | +353 (0)91 735 611



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sent. _____ Registered Office: The
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Registration: Ireland A limited liability company

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Edward Ryan

From: Evan Connolly
Sent: Thursday 10 October 2024 17:10
To: 'bogs@ipcc.ie'
Cc: Jonny Fearon
Subject: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary
Attachments: IPCC Scoping Revision Cover Letter.pdf; Carrow Scoping Revision Document F - 2024.10.10- 231102.pdf

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

Kind regards,
Evan

Evan Connolly BSc. MSc.
Graduate Environmental Scientist

MKO

9C Beckett Way, Park West
Business Park, Dublin, D12 XN9W

Offices in Galway and Dublin
mkoireland.ie | +353 (0)91 735 611



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From: Natalia Stolarska
Sent: Friday 21 June 2024 16:05
To: 'bogs@ipcc.ie' <bogs@ipcc.ie>
Cc: Jonny Fearon <jfearon@mkoireland.ie>; Eoin McCarthy <emccarthy@mkoireland.ie>
Subject: RE: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

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From: Natalia Stolarska
Sent: Thursday, March 28, 2024 9:44 AM
To: bogs@ipcc.ie
Cc: Jonny Fearon <jfearon@mkoireland.ie>; Eoin McCarthy <emccarthy@mkoireland.ie>
Subject: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

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Edward Ryan

From: Evan Connolly
Sent: Thursday 10 October 2024 16:57
To: 'chairman@irsg.ie'
Cc: Jonny Fearon
Subject: RE: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary
Attachments: IRSG Scoping Revision Cover Letter.pdf; Carrow Scoping Revision Document F - 2024.10.10- 231102.pdf

Dear Mr. O'Toole

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Kind regards,
Evan

Evan Connolly
Graduate Environmental Scientist

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From: Natalia Stolarska
Sent: Friday 21 June 2024 16:06
To: 'chairman@irsg.ie' <chairman@irsg.ie>
Cc: Jonny Fearon <jfearon@mkoireland.ie>; Eoin McCarthy <emccarthy@mkoireland.ie>
Subject: RE: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

Good Afternoon,

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Kind regards,
Natalia.

Natalia Stolarska BSc. MSc.
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From: Natalia Stolarska
Sent: Thursday, March 28, 2024 9:46 AM
To: chairman@irsg.ie
Cc: Jonny Fearon <jfearon@mkoireland.ie>; Eoin McCarthy <emccarthy@mkoireland.ie>
Subject: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

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Edward Ryan

From: Evan Connolly
Sent: Thursday 10 October 2024 16:51
To: 'info@irgct.com'
Cc: Jonny Fearon
Subject: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary
Attachments: IRGACT Scoping Revision Cover Letter.pdf; Carrow Scoping Revision Document F - 2024.10.10- 231102.pdf

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Evan Connolly
Graduate Environmental Scientist

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From: Natalia Stolarska
Sent: Friday 21 June 2024 16:07
To: 'info@irgct.com' <info@irgct.com>
Cc: Jonny Fearon <jfearon@mkoireland.ie>; Eoin McCarthy <emccarthy@mkoireland.ie>
Subject: RE: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

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Graduate Environmental Scientist

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From: Natalia Stolarska
Sent: Thursday, March 28, 2024 9:48 AM
To: 'info@irgct.com' <info@irgct.com>
Cc: Jonny Fearon <jfearon@mkoireland.ie>; Eoin McCarthy <emccarthy@mkoireland.ie>
Subject: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

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Evan Connolly

From: Evan Connolly
Sent: Thursday 10 October 2024 16:37
To: IWT Info
Cc: Jonny Fearon
Subject: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary
Attachments: IWT Scoping Revision Cover Letter.pdf; Carrow Scoping Revision Document F - 2024.10.10- 231102.pdf

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Evan Connolly

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From: IWT Info <info@iwt.ie>
Sent: Tuesday 2 April 2024 11:49

To: Natalia Stolarska <nstolarska@mkoireland.ie>

Subject: Re: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

Caution: This is an external email and may be malicious. Please take care when clicking links or opening attachments.

Dear Natalia,

Thank you for contacting us. We do not have the staff capacity to respond to this consultation at the moment but we will endeavour to respond if possible.

Kind regards,
Fabiola Vieira

On Thu, 28 Mar 2024 at 09:50, Natalia Stolarska <nstolarska@mkoireland.ie> wrote:

Dear Sir/Madam,

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Irish Wildlife Trust, 8 Cabra Road, Dublin 7, D07T1W2

Registered Charity (CRA) Number: 20010966

Facebook: IrishWildlifeTrust

Twitter: @irishwildlife

Phone: 01 445 7259 (landline available Wednesday-Thursday 9:30 to 5pm)

Evan Connolly

From: Evan Connolly
Sent: Friday 11 October 2024 14:52
To: Customer Service Desk
Subject: Customer Service Desk: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary- Please forward to environmental dept. : Case No: T-242088-Z0V8 CRM:00576004113
Attachments: Council Scoping Revision Document Cover Letter Tipp. Evironmental Dept..pdf; Carrow Scoping Revision Document F - 2024.10.10- 231102.pdf

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Evan

Evan Connolly BSc. MSc.
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From: Customer Service Desk <customerservices@tipperarycoco.ie>
Sent: Thursday 28 March 2024 13:26
To: Natalia Stolarska <nstolarska@mkoireland.ie>

Subject: [External] Customer Service Desk: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary- Please forward to environmental dept. : Case No: T-242088-Z0V8 CRM:00576004113

Caution: This is an external email and may be malicious. Please take care when clicking links or opening attachments.

Dear Natalia

Thank you for your e-mail regarding " **231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary- Please forward to environmental dept. "**

I have forwarded your e-mail to the Environment Section for their attention and direct reply to you. Should you wish to follow up on this case, please contact Customer Service Desk quoting reference number **T-242088-Z0V8**

Regards,
Customer Service Desk,
Tipperary County Council,
Civic Offices, Clonmel / Civic Offices, Nenagh,
Co. Tipperary.

Phone: 0818 06 5000

E-mail: customerservice@tipperarycoco.ie

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Evan Connolly

From: Customer Service Desk <customerservices@tipperarycoco.ie>
Sent: Friday 11 October 2024 16:49
To: Evan Connolly
Subject: [External] Customer Service Desk: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary- Please forward to environmental dept. : Case No: T-242088-Z0V8 CRM:00576005090

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Dear Evan

Thank you for the further e-mail regarding " **231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary- Please forward to environmental dept. "**

I have forwarded your e-mail to the Environment Section for their attention and direct reply to you. Should you wish to follow up on this case, please contact Customer Service Desk quoting reference number **T-242088-Z0V8**

Regards,
Customer Service Desk,
Tipperary County Council,
Civic Offices, Clonmel / Civic Offices, Nenagh,
Co. Tipperary.

Phone: 0818 06 5000

E-mail: customerservice@tipperarycoco.ie

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Evan Connolly

From: Fitzgerald, Tracy <Tracy.Fitzgerald@tipperarycoco.ie>
Sent: Monday 14 October 2024 12:22
To: Evan Connolly
Subject: RE: [External] 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

You don't often get email from tracy.fitzgerald@tipperarycoco.ie. [Learn why this is important](#)

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Good Morning Evan

Further to your email of the 11th October last please find attached the Planners Response below;

The Planning Authority notes the informal Environmental Impact Assessment (EIA) scoping request received on the 11th October 2024 with respect to a wind energy development of 13 turbines and exceeding 50 MW at Carrow and surrounding townlands, north of Dundrum, County Tipperary.

The Planning Authority notes that the nature of the development has changed since the Section 247 Pre-Planning meeting with the Planning Authority on 22nd May 2024 and a request has issued to An Board Pleanala (ABP) to enter into pre-planning discussions under Section 37B of the Planning and Development Act 2000, as amended.

The applicant is advised that it is not the practice of Tipperary County Council to engage in informal EIA scoping requests.

In the event that the proposal is considered to be a Strategic Infrastructure Development (SID) then scoping will be carried out by ABP under Sections 182E of the above-mentioned Act and ABP can invite submissions from the Planning Authority as part of this process.

In the event that the proposal is not considered to be SID then formal scoping is provided for under Section 173 (Permission for development requiring environmental impact assessment) of the same Act and a request should be submitted under this Section in this eventuality.

Yours sincerely,

Tracy Fitzgerald
Planning Section
Tipperary County Council
Nenagh

Tracy.fitzgerald@tipperarycoco.ie



From: Evan Connolly <econnolly@mkoireland.ie>

Sent: 11 October 2024 14:58

To: Planning Group <planning@tipperarycoco.ie>

Cc: Jonny Fearon <jfearon@mkoireland.ie>

Subject: [External] 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

CAUTION FROM TIPPERARY COUNTY COUNCIL IT SECTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

To whom it may concern,

MKO is preparing an Environmental Impact Assessment Report (EIAR) and Natura Impact Statement (NIS) to accompany a planning application, on behalf of Carrow Renewable Energy Ltd, for a proposed wind farm development located at Carrow and surrounding townlands, north of Dundrum, approximately 2km south of Hollyford, Co. Tipperary.

An initial round of scoping was conducted in March 2024 and since that time, the project has evolved. This email and the attached Revised Scoping Document and Letter provide an update on the project.

As part of the EIA process, we would welcome any comments that you might have in relation to the Proposed Development, 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. 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,
Evan

Evan Connolly BSc. MSc.
Graduate Environmental Scientist

MKO

9C Beckett Way, Park West
Business Park, Dublin, D12 XN9W



Offices in Galway and Dublin
mkoireland.ie | +353 (0)91 735 611

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From: Morgan, William <william.morgan@tipperarycoco.ie> **On Behalf Of** Planning Group
Sent: Tuesday 2 April 2024 11:11
To: Fergal Connolly <fconnolly@mkoireland.ie>
Subject: RE: [External] 231102-Carrow Renewable Energy Development-Pre Application Consultation

Caution: This is an external email and may be malicious. Please take care when clicking links or opening attachments.

Hi Fergal

I wish to acknowledge receipt of your email. The same has been forwarded to Tracy Fitzgerald who looks after pre planning for that area

Kind Regards

Willie Morgan
Assistant Staff Officer, Planning
Tipperary County Council, Civic Offices, Clonmel, Co. Tipperary

T: 0818 06 5000
E: planning@tipperarycoco.ie
W: www.tipperarycoco.ie

From: Fergal Connolly <fconnolly@mkoireland.ie>
Sent: 28 March 2024 16:47
To: Planning Group <planning@tipperarycoco.ie>
Cc: Alan Clancy <aclancy@mkoireland.ie>
Subject: [External] 231102-Carrow Renewable Energy Development-Pre Application Consultation

Dear Sir/Madam,

MKO, on behalf of our client, Carrow Renewable Energy Ltd, (a subsidiary of Atlantic Infrastructure Renewables (AIR) and Atlantic Infrastructure Partners (AIP)) of 5 Perry, Square Limerick, are seeking to enter into pre-planning consultation with Tipperary County Council under Section 247 of the Planning and Development Act 2000 (as amended) ("the Act") in relation to a proposed renewable energy development ("Proposed Development") at Carrow and adjacent townlands, Co. Tipperary. The current proposal is for the development of up to 8 no. wind turbines together with all associated works.

Please see attached cover letter with the completed pre application request form and associated figures.

Should you require any further information on the above please do not hesitate to contact me.

Kind regards,
Fergal

Fergal Connolly
Planner

MKO

Tuam Road, Galway, H91 VW84

Offices in Galway and Dublin

mkoireland.ie | +353 (0)91 735 611



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Evan Connolly

From: Evan Connolly
Sent: Friday 11 October 2024 14:51
To: Customer Service Desk
Subject: Customer Service Desk: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary- Please forward to roads dept. : Case No: T-242090-N0K3 CRM:00576004114
Attachments: Council Scoping Revision Document Cover Letter Tipp. Roads Dept..pdf; Carrow Scoping Revision Document F - 2024.10.10- 231102.pdf

To whom it may concern,

MKO is preparing an Environmental Impact Assessment Report (EIAR) and Natura Impact Statement (NIS) to accompany a planning application, on behalf of Carrow Renewable Energy Ltd, for a proposed wind farm development located at Carrow and surrounding townlands, north of Dundrum, approximately 2km south of Hollyford, Co. Tipperary.

An initial round of scoping was conducted in March 2024 and since that time, the project has evolved. This email and the attached Revised Scoping Document and Letter provide an update on the project.

As part of the EIA process, we would welcome any comments that you might have in relation to the Proposed Development, 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. 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,
Evan

Evan Connolly BSc. MSc.
Graduate Environmental Scientist

MKO

9C Beckett Way, Park West
Business Park, Dublin, D12 XN9W



Offices in Galway and Dublin
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From: Customer Service Desk <customerservices@tipperarycoco.ie>
Sent: Thursday 28 March 2024 13:29
To: Natalia Stolarska <nstolarska@mkoireland.ie>

Subject: [External] Customer Service Desk: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary- Please forward to roads dept. : Case No: T-242090-NOK3 CRM:00576004114

Caution: This is an external email and may be malicious. Please take care when clicking links or opening attachments.

Dear Natalia

Thank you for your e-mail regarding " **231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary- Please forward to roads dept. "**

I have forwarded your e-mail to the Roads Section for their attention and direct reply to you. Should you wish to follow up on this case, please contact Customer Service Desk quoting reference number **T-242090-NOK3**

Regards,
Customer Service Desk,
Tipperary County Council,
Civic Offices, Clonmel / Civic Offices, Nenagh,
Co. Tipperary.

Phone: 0818 06 5000

E-mail: customerservice@tipperarycoco.ie

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Evan Connolly

From: Customer Service Desk <customerservices@tipperarycoco.ie>
Sent: Friday 11 October 2024 16:53
To: Evan Connolly
Subject: [External] Customer Service Desk: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary- Please forward to roads dept. : Case No: T-242090-NOK3 CRM:00576005091

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Dear Evan

Thank you for the further e-mail regarding " **231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary- Please forward to roads dept. "**

I have forwarded your e-mail to the Tipperary District Office for their attention and direct reply to you. Should you wish to follow up on this case, please contact Customer Service Desk quoting reference number **T-242090-NOK3**

Regards,
Customer Service Desk,
Tipperary County Council,
Civic Offices, Clonmel / Civic Offices, Nenagh,
Co. Tipperary.

Phone: 0818 06 5000

E-mail: customerservice@tipperarycoco.ie

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Evan Connolly

From: Paul Hennessy <paul.hennessy@snnairportgroup.ie>
Sent: Tuesday 22 October 2024 11:25
To: Evan Connolly
Cc: Cathal MacCriostail
Subject: RE: [External] 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

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Hi Evan,

We have no further updates from our end following on from our initial response to MKO in March 2024.

We would suggest that you make contact with Air Nav Ireland in respect of potential interferences with comms/navaids/instrument flight procedures.

Cathal MacCriostail would be the appropriate contact (Cathal.MacCriostail@airnav.ie)

Brgds,

Paul



Paul Hennessy

Safety Compliance & Environment Manager

☎ 061 712471 / 087 2382453
🌐 www.SNNAirportGroup.ie
📍 Shannon Airport, Co. Clare, Ireland, V14 EE06

From: Evan Connolly <econnolly@mkoireland.ie>
Sent: 10 October 2024 15:57
To: Paul Hennessy <paul.hennessy@snnairportgroup.ie>
Cc: Jonny Fearon <jfearon@mkoireland.ie>
Subject: [External] 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

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Dear Paul,

MKO is preparing an Environmental Impact Assessment Report (EIAR) and Natura Impact Statement (NIS) to accompany a planning application, on behalf of Carrow Renewable Energy Ltd, for a proposed wind farm development located at Carrow and surrounding townlands, north of Dundrum, approximately 2km south of Hollyford, Co. Tipperary.

An initial round of scoping was conducted in March 2024 and since that time, the project has evolved. This email and the attached Revised Scoping Document and Letter provide an update on the project.

As part of the EIA process, we would welcome any comments that you might have in relation to the Proposed Development, 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. 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,
Evan

Evan Connolly
Graduate Environmental Scientist

MKO

9C Beckett Way, Park West
Business Park, Dublin, D12 XN9W



Offices in Galway and Dublin
mkoireland.ie | +353 (0)91 735 611

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From: Paul Hennessy <paul.hennessy@snnairportgroup.ie>

Sent: Thursday 28 March 2024 15:12

To: Natalia Stolarska <nstolarska@mkoireland.ie>

Subject: RE: [External] FW: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

Caution: This is an external email and may be malicious. Please take care when clicking links or opening attachments.

Hi Natalia,

Thank you for your correspondence.

In terms of Shannon Airport's safeguarding concerns this development would be outside the limit (15km) for possible effect/interferences on the aerodromes Obstacle Limitational Surfaces (OLS). There are other potential concerns for our aviation partners Air Nav Ireland who are responsible for the assessment of possible interference with regards to Radar/NAVAIDS and also, Instrument Flight Procedures (IFP's). I have forwarded your e-mail for their attention and you may expect to receive some feedback from them in terms of this development proposal.

A number of general points to note in respect of the regulators perspective on wind farm developments would include the following:

- If the turbines are within 45km of Shannon Airport's Aerodrome Reference Point (ARP) and are greater than 100m in height they would be required to be included in the IAA Electronic Air Navigation Obstacle Dataset.
- Also, standard: *Chapter Q (Visual Aids for Denoting Obstacles)* of the Certification Specifications for Aerodrome Design – Issue 6 contained in the EASA aerodrome rules must be applied to the turbines as they would be regarded as an extensive object.
- During the construction phase of any development, any crane activity on the site must be pre-approved by the completion of the Shannon Airport Crane Operations application form (at least 30 days in advance) of any crane erection taking place in order for assessments to be carried out by the Airport, IAA and Air Nav Ireland against possible interferences by cranes against communication, navigation and surveillance systems.

Happy to take any questions you may have. I can be contacted below.

Brgds,

Paul



Paul Hennessy

Safety Compliance & Environment Manager



061 712471 / 087 2382453



www.SNNAirportGroup.ie



Shannon Airport, Co. Clare, Ireland, V14 EE06

From: Natalia Stolarska <nstolarska@mkoireland.ie>

Sent: 28 March 2024 12:43

To: Paul Hennessy <paul.hennessy@snnairportgroup.ie>

Cc: Eoin McCarthy <emccarthy@mkoireland.ie>; Jonny Fearon <jfearon@mkoireland.ie>

Subject: [External] FW: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

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From: Natalia Stolarska
Sent: Thursday, March 28, 2024 9:52 AM
To: comments@shannonairport.ie
Cc: Jonny Fearon <jfearon@mkofireland.ie>; Eoin McCarthy <emccarthy@mkofireland.ie>
Subject: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

Dear Sir/Madam,

MKO is preparing an Environmental Impact Assessment Report (EIAR) and Natura Impact Statement (NIS) to accompany a planning application, on behalf of Carrow Renewable Energy Ltd, for a proposed wind farm development located at Carrow and surrounding townlands, north of Dundrum, approximately 2km south of Hollyford, Co. Tipperary.

The proposed project will likely encompass up to 8 no. wind turbines, access roads and entrance(s), borrow pit(s), on site 38kV electricity substation, electrical cabling for grid connection, temporary construction compound s, temporary turbine delivery junction accommodation works, and a permanent meteorological mast. It is anticipated the development will not meet the Strategic Infrastructure Development (SID) thresholds of 25 no. turbines or 50 Megawatts (MW) for wind energy as set out in the 7th Schedule of the Planning and Development Act 2000, (as amended). In this regard, it is intended to submit the planning permission application to Tipperary County Council.

Please see attached a Cover Letter and Scoping Document providing details of the proposed project. As part of the EIA process, we would welcome any comments that you might have in relation to the Proposed Development, 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. 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,
Natalia.

Natalia Stolarska
Graduate Environmental Scientist

MKO
Tuam Road, Galway, H91 VW84

Offices in Galway and Dublin
mkofireland.ie | +353 (0)91 735 611



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Edward Ryan

From: Evan Connolly
Sent: Thursday 10 October 2024 16:20
To: 'info@opw.ie'
Cc: Jonny Fearon
Subject: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary
Attachments: OPW Scoping Revision Cover Letter.pdf; Carrow Scoping Revision Document F - 2024.10.10- 231102.pdf

Dear Sir/Madam,

To whom it may concern,

MKO is preparing an Environmental Impact Assessment Report (EIAR) and Natura Impact Statement (NIS) to accompany a planning application, on behalf of Carrow Renewable Energy Ltd, for a proposed wind farm development located at Carrow and surrounding townlands, north of Dundrum, approximately 2km south of Hollyford, Co. Tipperary.

An initial round of scoping was conducted in March 2024 and since that time, the project has evolved. This email and the attached Revised Scoping Document and Letter provide an update on the project.

As part of the EIA process, we would welcome any comments that you might have in relation to the Proposed Development, 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. 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,
Evan

Evan Connolly
Graduate Environmental Scientist

MKO
9C Beckett Way, Park West
Business Park, Dublin, D12 XN9W

Offices in Galway and Dublin
mkoireland.ie | +353 (0)91 735 611



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From: Natalia Stolarska
Sent: Friday 21 June 2024 16:15
To: 'info@opw.ie' <info@opw.ie>
Cc: Jonny Fearon <jfearon@mkoireland.ie>; Eoin McCarthy <emccarthy@mkoireland.ie>
Subject: RE: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

Dear Sir/ Madam,

I just wanted to follow up on the below scoping request for the Proposed Carrow Wind Farm Development, Co. Tipperary. If you could return any comments or suggestions at your earliest convenience, it would be much appreciated.

Kind regards,
Natalia.

Natalia Stolarska BSc. MSc.
Graduate Environmental Scientist

MKO

Tuam Road, Galway, H91 VW84

Offices in Galway and Dublin
mkoireland.ie | +353 (0)91 735 611



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From: Natalia Stolarska
Sent: Thursday, March 28, 2024 10:46 AM
To: info@opw.ie
Cc: Jonny Fearon <jfearon@mkoireland.ie>; Eoin McCarthy <emccarthy@mkoireland.ie>
Subject: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

Dear Sir/Madam,

MKO is preparing an Environmental Impact Assessment Report (EIAR) and Natura Impact Statement (NIS) to accompany a planning application, on behalf of Carrow Renewable Energy Ltd, for a proposed wind farm development located at Carrow and surrounding townlands, north of Dundrum, approximately 2km south of Hollyford, Co. Tipperary.

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anticipated the development will not meet the Strategic Infrastructure Development (SID) thresholds of 25 no. turbines or 50 Megawatts (MW) for wind energy as set out in the 7th Schedule of the Planning and Development Act 2000, (as amended). In this regard, it is intended to submit the planning permission application to Tipperary County Council.

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

Kind regards,
Natalia.

Natalia Stolarska
Graduate Environmental Scientist

MKO

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Evan Connolly

From: Claire Breen <cbreen@southernassembly.ie>
Sent: Thursday 10 October 2024 15:59
To: Evan Connolly
Cc: Jonny Fearon
Subject: RE: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

Caution: This is an external email and may be malicious. Please take care when clicking links or opening attachments.

Hi Evan,

I wish to acknowledge receipt of the below correspondence. This correspondence has been forwarded to the planning department for review.

Le dea-ghuí,
Claire

Claire Breen
Clerical Officer – Regional Planning
Southern Regional Assembly
Assembly House, O'Connell Street, Waterford, X91 F8PC
cbreen@southernassembly.ie | :: www.southernassembly.ie; www.eufunds.gov.ie; [#EuropeInMyRegion](https://twitter.com/EuropeInMyRegion)
Please consider the environment before printing



From: Evan Connolly <econnolly@mkoireland.ie>
Sent: Thursday, October 10, 2024 3:44 PM
To: Claire Breen <cbreen@southernassembly.ie>
Cc: Jonny Fearon <jfearon@mkoireland.ie>
Subject: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

Dear Claire,

MKO is preparing an Environmental Impact Assessment Report (EIAR) and Natura Impact Statement (NIS) to accompany a planning application, on behalf of Carrow Renewable Energy Ltd, for a proposed wind farm development located at Carrow and surrounding townlands, north of Dundrum, approximately 2km south of Hollyford, Co. Tipperary.

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As part of the EIA process, we would welcome any comments that you might have in relation to the Proposed Development, 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. 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,
Evan

Evan Connolly
Graduate Environmental Scientist

MKO

9C Beckett Way, Park West
Business Park, Dublin, D12 XN9W

Offices in Galway and Dublin
mkoireland.ie | +353 (0)91 735 611



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From: Claire Breen <cbreen@southernassembly.ie>
Sent: Thursday 28 March 2024 12:09
To: Natalia Stolarska <nstolarska@mkoireland.ie>
Subject: RE: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

You don't often get email from cbreen@southernassembly.ie. [Learn why this is important](#)

Caution: This is an external email and may be malicious. Please take care when clicking links or opening attachments.

Hi Natalia,

I wish to acknowledge receipt of the below correspondence. This correspondence has been forwarded to the planning department for review.

Le dea-ghuí,
Claire

Claire Breen
Clerical Officer – Regional Planning
Southern Regional Assembly
Assembly House, O'Connell Street, Waterford, X91 F8PC
cbreen@southernassembly.ie | :: www.southernassembly.ie; www.eufunds.gov.ie; [#EuropeInMyRegion](https://twitter.com/EuropeInMyRegion)

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an Aontas Eorpach
Co-funded by the
European Union



Tionól Réigiúnach
an Deiscirt
Southern Regional
Assembly



From: Natalia Stolarska <nstolarska@mkoireland.ie>

Sent: Thursday, March 28, 2024 10:48 AM

To: info <info@southernassembly.ie>; Alice Byrne Kelly <abyrnekelly@southernassembly.ie>

Cc: Jonny Fearon <jfearon@mkoireland.ie>; Eoin McCarthy <emccarthy@mkoireland.ie>

Subject: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

Dear Sir/Madam,

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

Kind regards,
Natalia.

Natalia Stolarska
Graduate Environmental Scientist

MKO

Tuam Road, Galway, H91 VW84

Offices in Galway and Dublin
mkoireland.ie | +353 (0)91 735 611



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Evan Connolly

From: Evan Connolly
Sent: Thursday 10 October 2024 15:28
To: 'contactus@sportireland.ie'
Cc: Jonny Fearon
Subject: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary
Attachments: Sport Ireland Scoping Revision Cover Letter.pdf; Carrow Scoping Revision Document F - 2024.10.10- 231102.pdf

To whom it may concern,

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

Kind regards,
Evan

Evan Connolly

Graduate Environmental Scientist

MKO

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Business Park, Dublin, D12 XN9W



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From: Natalia Stolarska
Sent: Friday 21 June 2024 16:18
To: 'contactus@sportireland.ie' <contactus@sportireland.ie>

Cc: Jonny Fearon <jfearon@mkoireland.ie>; Eoin McCarthy <emccarthy@mkoireland.ie>
Subject: RE: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

Dear Sir/ Madam,

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Kind regards,
Natalia.

Natalia Stolarska BSc. MSc.
Graduate Environmental Scientist

MKO

Tuam Road, Galway, H91 VW84

Offices in Galway and Dublin
mkoireland.ie | +353 (0)91 735 611



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From: Natalia Stolarska
Sent: Thursday, March 28, 2024 10:50 AM
To: contactus@sportireland.ie
Cc: Jonny Fearon <jfearon@mkoireland.ie>; Eoin McCarthy <emccarthy@mkoireland.ie>
Subject: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

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Kind regards,
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Natalia Stolarska
Graduate Environmental Scientist

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Evan Connolly

From: Evan Connolly
Sent: Thursday 10 October 2024 15:19
To: 'info@seai.ie'
Cc: Jonny Fearon
Subject: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary
Attachments: SEAI Scoping Revision Cover Letter .pdf; Carrow Scoping Revision Document F - 2024.10.10- 231102.pdf

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

Kind regards,
Evan

Evan Connolly

Graduate Environmental Scientist

MKO

9C Beckett Way, Park West
Business Park, Dublin, D12 XN9W



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From: Natalia Stolarska
Sent: Friday 21 June 2024 16:28
To: info@seai.ie

Cc: Jonny Fearon <jfearon@mkoireland.ie>; Eoin McCarthy <emccarthy@mkoireland.ie>

Subject: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

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Kind regards,
Natalia.

Natalia Stolarska BSc. MSc.

Graduate Environmental Scientist

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Evan Connolly

From: Evan Connolly
Sent: Thursday 10 October 2024 15:10
To: 'mail@heritagecouncil.ie'
Cc: Jonny Fearon
Subject: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary
Attachments: Heritage Council Scoping Revision Cover letter.pdf; Carrow Scoping Revision Document F - 2024.10.10- 231102.pdf

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Evan Connolly

Graduate Environmental Scientist

MKO

9C Beckett Way, Park West
Business Park, Dublin, D12 XN9W



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From: Natalia Stolarska
Sent: Friday 21 June 2024 16:21
To: 'mail@heritagecouncil.ie' <mail@heritagecouncil.ie>

Cc: Jonny Fearon <jfearon@mkoireland.ie>; Eoin McCarthy <emccarthy@mkoireland.ie>
Subject: RE: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

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Graduate Environmental Scientist

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From: Natalia Stolarska
Sent: Thursday, March 28, 2024 11:18 AM
To: mail@heritagecouncil.ie
Cc: Jonny Fearon <jfearon@mkoireland.ie>; Eoin McCarthy <emccarthy@mkoireland.ie>
Subject: FW: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

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Graduate Environmental Scientist

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From: Natalia Stolarska
Sent: Thursday, March 28, 2024 10:53 AM
To: aharvey@heritagecouncil.ie
Cc: Jonny Fearon <jfearon@mkoireland.ie>; Eoin McCarthy <emccarthy@mkoireland.ie>
Subject: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

Dear Ms Harvey,

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Graduate Environmental Scientist

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Evan Connolly

From: INFO <Information@tii.ie>
Sent: Thursday 10 October 2024 14:50
To: Evan Connolly
Subject: Acknowledgement Email - NOTE: Replies to acknowledgement emails are not checked.
Attachments: image002.png

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A Chara,

Admhaíonn Bonneagar Iompair Éireann go bhfuarthas do ríomhphost.

Eiseofar freagra ar d'fhiosrúchán in am trátha.

Le gach dea-mhéin,

**An tAonad Rialála agus Riaracháin
Bonneagar Iompair Éireann**

TABHAIR FAOI DEARA: Ní sheiceáltar freagraí ar ríomhphoist admhála. Ba cheart ríomhphoist a sheoladh go díreach chuig info@tii.ie



Dear Sir/Madam,

Transport Infrastructure Ireland acknowledges receipt of your email.

A response to your enquiry will issue in due course.

Kind regards,

**Regulatory and Administration Unit
Transport Infrastructure Ireland**

NOTE: Replies to acknowledgement emails are not checked. Email should be sent to info@tii.ie directly.



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De réir pholasaí BIÉ An Ceart gan a bheith Ceangailte, má tá an ríomhphost seo á fháil agat lasmuigh de na gnáthuaireanta oibre, nílim ag súil le freagra ná le gníomh uait lasmuigh de do ghnáthuaireanta oibre féin mura bhfuil sé ráite go soiléir go bhfuil gá gníomhú go práinneach.

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Próiseálann BIÉ sonraí pearsanta a sholáthraítear dó i gcomhréir lena Fhógra ar Chosaint Sonraí atá ar fáil ag <https://www.tii.ie/about/about-tii/Data-Protection/?set-lang=ga>

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Córas r-phoist BIE: Tá an ríomhphost seo agus aon chomhaid a tharchuirtear leis faoi rún agus beartaithe lena n-úsáid ag an duine aonair nó ag an eintiteas a bhfuil siad dírithe chuige/chuici amháin. Más rud é go bhfuair tú an ríomhphost seo trí bhotún, cuir sin in iúil do postmaster@tii.ie, le do thoil, agus scrios an ríomhphost bunaidh agus aon cheangaltáin.

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Próiseálann BIÉ sonraí pearsanta a sholáthraítear dó i gcomhréir lena Fhógra ar Chosaint Sonraí atá ar fáil ag <https://www.tii.ie/about/about-tii/Data-Protection/?set-lang=ga>

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Córas r-phoist BIE: Tá an ríomhphost seo agus aon chomhaid a tharchuirtear leis faoi rún agus beartaithe lena n-úsáid ag an duine aonair nó ag an eintiteas a bhfuil siad dírithe chuige/chuici amháin. Más rud é go bhfuair tú an ríomhphost seo trí bhotún, cuir sin in iúil do postmaster@tii.ie, le do thoil, agus scrios an ríomhphost bunaidh agus aon cheangaltáin.

Evan Connolly

From: Evan Connolly
Sent: Thursday 10 October 2024 14:46
To: INFO
Cc: Jonny Fearon
Subject: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary
Attachments: TII Scoping Revision Cover Letter.pdf; Carrow Scoping Revision Document F - 2024.10.10- 231102.pdf

Dear Mr. Moore

MKO is preparing an Environmental Impact Assessment Report (EIAR) and Natura Impact Statement (NIS) to accompany a planning application, on behalf of Carrow Renewable Energy Ltd, for a proposed wind farm development located at Carrow and surrounding townlands, north of Dundrum, approximately 2km south of Hollyford, Co. Tipperary.

An initial round of scoping was conducted in March 2024 and since that time, the project has evolved. This email and the attached Revised Scoping Document and Letter provide an update on the project.

As part of the EIA process, we would welcome any comments that you might have in relation to the Proposed Development, 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. 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,
Evan

Evan Connolly

Graduate Environmental Scientist

MKO

9C Beckett Way, Park West
Business Park, Dublin, D12 XN9W



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From: INFO <Information@tii.ie>
Sent: Friday 12 April 2024 10:38
To: Natalia Stolarska <nstolarska@mkoireland.ie>

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

The developer should have regard, inter alia, to the following:

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

- The EIAR should consider the ‘European Communities (Environmental Noise) Regulations, 2018, (S.I. no. 549 of 2018)’, and, in particular, how the development will affect future action plans by the relevant competent authority. The developer may need to consider the incorporation of noise barriers to reduce noise impacts (see ‘Good Practice Guidance for the Treatment of Noise during the Planning of National Road Schemes (NRA, 2014)’).
- It would be important that, where appropriate, subject to meeting the appropriate thresholds and criteria and having regard to best practice, a Traffic and Transport Assessment (TTA) be carried out in accordance with relevant guidelines, noting traffic volumes attending the site and traffic routes to/from the site, with reference to impacts on the national road network and junctions of lower category roads with national roads.

In relation to national roads, TII’s ‘Traffic and Transport Assessment Guidelines’ (2014) should be referred to in relation to proposed development with potential impacts on the national road network. The scheme promoter is also advised to have regard to Section 2.2 of TII’s TTA Guidelines, which addresses requirements for sub-threshold TTA.

Any improvements required to facilitate development should be identified. It will be the responsibility of the developer to pay for the costs of any improvements to national roads to facilitate the private development proposed, as TII will not be responsible for such costs.

- The designers are asked to consult TII Publications to determine whether a Road Safety Audit is required.
- In the interests of maintaining the safety and standard of the national road network, the EIAR should identify the methods/techniques proposed for any works traversing/in proximity to the national road network.
- TII recommends that the applicant/developer should clearly identify haul routes proposed and fully assess the network to be traversed. Where abnormal ‘weight’ loads are a feature of the development, e.g., turbine or substation components, separate structure approvals/permits and other licences may be required in connection with the proposed haul route. All national road structures on the haul route through all the relevant County Council administrative areas should be checked by the applicant/developer to confirm their capacity to accommodate any abnormal ‘weight’ load proposed.

In addition, the haul route should be assessed to confirm capacity to accommodate abnormal ‘length’ loads and any temporary works required are identified.

The national road network is managed by a combination of PPP Concessions, Motorway Maintenance and Renewal Contractors (MMaRC) and local road authorities, in association with TII.

The applicant/developer should also consult with all PPP Companies, MMaRC Contractors and road authorities over which the haul route traverses, to ascertain any operational requirements, including delivery timetabling, etc., to ensure that the strategic function of the national road network is safeguarded.

Where temporary works within any MMaRC Boundary are required to facilitate the transport of turbine components to site, the applicant/developer shall contact thirdpartyworks@tii.ie in advance, as a works specific Deed of Indemnity will be needed by TII before the works can take place.

Additionally, any damage caused to the pavement on the existing national road arising from any temporary works due to the turning movement of abnormal loads (e.g., tearing of the surface course, etc.) shall be rectified in accordance with TII Pavement Standards and details in this regard shall be agreed with the road authority prior to the commencement of any development on site.

- Any grid connection and cable routing proposals should be developed to safeguard proposed road schemes, as TII will not be responsible for costs associated with future relocation of cable routing where proposals are catered for in an area of a proposed national road scheme. In that regard, consideration should be given to routing options, use of existing crossings, depth of cable laying, etc.

TII acknowledges that grid connection routing options are indicated in your EIAR Scoping referral, with connection proposed to an existing overhead line in the vicinity of Seskin Townland, County Tipperary. However, in the event that grid connection routing options are amended, please note, in the context of the existing national road network, in accordance with the National Planning Framework National Strategic Outcome no. 2 'Enhanced Regional Accessibility', there is a requirement to maintain the strategic capacity and safety of the network. This requirement is further reflected in the National Development Plan, the National Investment Framework for Transport in Ireland and also the existing Statutory Section 28 'Spatial Planning and National Roads Guidelines for Planning Authorities'.

There is around 99,000km of roads in Ireland. The national road network, which caters for strategic inter-urban travel, consists of only approx. 5.4% of this. There is a critical requirement to ensure the strategic capacity and safety of this national road network is maintained and significant Government investment already made in the national road network is safeguarded.

The provision of cabling along the national road network represents a number of significant implications for TII and road authorities in the management and maintenance of the strategic national road network and TII is of the opinion that grid connection cable routing should reflect the foregoing provisions of official policy.

For all renewable energy developments requiring grid connection to the national grid, TII recommends that a full assessment of all route alternatives to grid connection takes place, including alternatives to public road, where appropriate.

In TII's experience, grid connection accommodated on national roads has the potential, inter alia, to result in technical road safety issues such as differential settlement due to backfilling trenches and can impact on ability and cost of general maintenance, upgrades and safety works to existing national roads.

Other consents or licences may be required from the road authority for any trenching or cabling proposals crossing the national road. TII requests referral of all proposals agreed and licensed between the road authority and the applicant which affect the national road network.

Where grid connection involves proposals to cross a motorway, Works Specific Deeds of Indemnities, arrangements for third party access or consent from TII in accordance with Section 53 of the Roads Act, 1993, is required. Arrangements for third party access are also likely to be required. Contact should be made to 'thirdpartyworks@tii.ie' to progress this element when proposals for the crossings have been developed.

General requirements for directional drilling under a motorway include:

- The launch and reception pits for the crossing are located outside the Motorway boundary.
- The cabling will be installed at such depth so as not to conflict with the drainage for the Motorway.
- Neither the works nor the cable crossing will damage or interfere with the Motorway.
- Any maintenance and/or future planned upgrades of the cabling at the crossing location can be carried out without access to the motorway boundary.
- There are no bolted joints in that part of the crossing within the motorway fence-line.
- A pre and post construction survey shall be required along the length of the crossing over the extents of the motorway boundary.
- Specific requirements may also arise for these proposed works.

Cable routing should avoid all impacts to existing TII infrastructure such as traffic counters, weather stations, etc. and works required to such infrastructure shall only be undertaken in consultation with and subject to the agreement of TII. Any costs attributable shall be borne by the applicant/developer. The developer should also be aware that separate approvals may be required for works traversing the national road network.

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

I hope that this information is of assistance to you.

Yours sincerely,

Andrew Moore
Senior Regulatory & Administration Executive

From: Natalia Stolarska <nstolarska@mkofireland.ie>
Sent: Thursday, March 28, 2024 10:55 AM
To: Landuse Planning <LandUsePlanning@tii.ie>
Cc: Jonny Fearon <jfearon@mkofireland.ie>; Eoin McCarthy <emccarthy@mkofireland.ie>
Subject: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

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The proposed project will likely encompass up to 8 no. wind turbines, access roads and entrance(s), borrow pit(s), on site 38kV electricity substation, electrical cabling for grid connection, temporary construction compound s, temporary turbine delivery junction accommodation works, and a permanent meteorological mast. It is anticipated the development will not meet the Strategic Infrastructure Development (SID) thresholds of 25 no. turbines or 50 Megawatts (MW) for wind energy as set out in the 7th Schedule of the Planning and Development Act 2000, (as amended). In this regard, it is intended to submit the planning permission application to Tipperary County Council.

Please see attached a Cover Letter and Scoping Document providing details of the proposed project. As part of the EIA process, we would welcome any comments that you might have in relation to the Proposed Development, 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. 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,
Natalia.

Natalia Stolarska
Graduate Environmental Scientist

MKO

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Natalia Stolarska

From: INFO <Information@tii.ie>
Sent: Friday 12 April 2024 10:38
To: Natalia Stolarska
Subject: TII Ref: TII24-126736 - EIAR Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary. Your Ref: 231102

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Yours sincerely,

Andrew Moore
Senior Regulatory & Administration Executive

From: Natalia Stolarska <nstolarska@mkofireland.ie>
Sent: Thursday, March 28, 2024 10:55 AM
To: Landuse Planning <LandUsePlanning@tii.ie>
Cc: Jonny Fearon <jfearon@mkofireland.ie>; Eoin McCarthy <emccarthy@mkofireland.ie>
Subject: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

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Kind regards,
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Natalia Stolarska
Graduate Environmental Scientist

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De réir pholasáí BIÉ An Ceart gan a bheith Ceangailte, má tá an ríomhphost seo á fháil agat lasmuigh de na ghnáthuaireanta oibre, nílim ag súil le freagra ná le gníomh uait lasmuigh de do ghnáthuaireanta oibre féin mura bhfuil sé ráite go soiléir go bhfuil gá gníomhú go práinneach.

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then please notify postmaster@tii.ie and delete the original including attachments.

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Evan Connolly

From: Planning <Planning@water.ie>
Sent: Monday 11 November 2024 11:49
To: Evan Connolly
Cc: Barry Kelly
Subject: RE: FW: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary EMAIL:0534058
Attachments: UÉ_EIAR_ScopingResponse_Updated Proposal_Carrow.pdf

Caution: This is an external email and may be malicious. Please take care when clicking links or opening attachments.

Hi Evan,

Please find attached, Uisce Éireann's EIAR Scoping response in relation to the revised proposals for the Carrow Wind Farm Development, Co. Tipperary.

Kind regards,

Barry Kelly
Development Management Planning

Uisce Éireann
Aonad 6, Páirc Ghnó N5, An Móinín, Caisleán an Bharraigh, Contae Mhaigheo
Uisce Éireann
Unit 6, N5 Business Park, Moneen, Castlebar, Co. Mayo, Ireland

M +353 86 142 8943
barry.kelly@water.ie
www.water.ie
[Facebook](#) | [Twitter](#) | [LinkedIn](#)

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

From: Planning <planning@water.ie>;
Received: Thu Oct 10 2024 16:27:27 GMT+0100 (Irish Standard Time)
To: Planning <planning@water.ie>;
Subject: FW: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

From: Evan Connolly <econnolly@mkoireland.ie>
Sent: Thursday, October 10, 2024 2:37 PM
To: Planning <Planning@water.ie>
Cc: Jonny Fearon <jfearon@mkoireland.ie>
Subject: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

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Dear Barry,

MKO is preparing an Environmental Impact Assessment Report (EIAR) and Natura Impact Statement (NIS) to accompany a planning application, on behalf of Carrow Renewable Energy Ltd, for a proposed wind farm development located at Carrow and surrounding townlands, north of Dundrum, approximately 2km south of Hollyford, Co. Tipperary.

An initial round of scoping was conducted in March 2024 and since that time, the project has evolved. This email and the attached Revised Scoping Document and Letter provide an update on the project.

As part of the EIA process, we would welcome any comments that you might have in relation to the Proposed Development, 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. 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,
Evan

Evan Connolly
Graduate Environmental Scientist

MKO

9C Beckett Way, Park West Business Park, Dublin, D12 XN9W

Offices in Galway and Dublin
mkoireland.ie | +353 (0)91 735 611



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From: Planning <Planning@water.ie>

Sent: Monday 22 April 2024 12:34

To: Natalia Stolarska <nstolarska@mkoireland.ie>; Planning <Planning@water.ie>

Cc: Eoin McCarthy <emccarthy@mkoireland.ie>; Jonny Fearon <jfearon@mkoireland.ie>; Barry Kelly(C) <barry.kelly@water.ie>

Subject: RE: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary EMAIL:0534004

Caution: This is an external email and may be malicious. Please take care when clicking links or opening attachments.

Good Afternoon Natalia,

In response to your EIAR Scoping document for a Proposed wind farm development located in Carrow and surrounding townlands, Co. Tipperary.

Please find attached Uisce Éireann's observations.

I hope you find this information helpful. If you have any queries please do not hesitate to contact me.

Kind regards,

Barry Kelly
Development Management Planning

Uisce Éireann
Aonad 6, Páirc Ghnó N5, An Móinín, Caisleán an Bharraigh, Contae Mhaigheo
Uisce Éireann
Unit 6, N5 Business Park, Moneen, Castlebar, Co. Mayo, Ireland

M +353 86 142 8943
barry.kelly@water.ie
www.water.ie
[Facebook](#) | [Twitter](#) | [LinkedIn](#)

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

From: nstolarska@mkoireland.ie;
Received: Thu Mar 28 2024 10:56:25 GMT+0000 (Greenwich Mean Time)
To: Planning <planning@water.ie>;
Cc: emccarthy@mkoireland.ie; jfearon@mkoireland.ie;
Subject: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

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Dear Sir/Madam,

MKO is preparing an Environmental Impact Assessment Report (EIAR) and Natura Impact Statement (NIS) to accompany a planning application, on behalf of Carrow Renewable Energy Ltd, for a proposed wind farm development located at Carrow and surrounding townlands, north of Dundrum, approximately 2km south of Hollyford, Co. Tipperary.

The proposed project will likely encompass up to 8 no. wind turbines, access roads and entrance(s), borrow pit(s), on site 38kV electricity substation, electrical cabling for grid connection, temporary construction compound s, temporary turbine delivery junction accommodation works, and a permanent meteorological mast. It is anticipated the development will not meet the Strategic Infrastructure Development (SID) thresholds of 25 no. turbines or 50 Megawatts (MW) for wind energy as set out in the 7th Schedule of the Planning and Development Act 2000, (as amended). In this regard, it is intended to submit the planning permission application to Tipperary County Council.

Please see attached a Cover Letter and Scoping Document providing details of the proposed project. As part of the EIA process, we would welcome any comments that you might have in relation to the Proposed Development, 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. 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,
Natalia.

Natalia Stolarska
Graduate Environmental Scientist

MKO Tuam Road, Galway, H91 VW84 Offices in Galway and Dublin mkoireland.ie +353 (0)91 735 611	

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Is don duine amháin nó don eintiteas amháin ainmnithe ar an seoladh an fhaisnéis agus d'fhéadfadh ábhar faoi rún, faoi phribhléid nó ábhar atá íogair ó thaobh na tráchtála de a bheith mar chuid den fhaisnéis. Tá toirmeasc ar aon daoine nó aon eititis; nach dóibh siúd an fhaisnéis- aon athbhreithniú a dhéanamh, aon atarchur a dhéanamh nó aon athdháileadh a dhéanamh, nó aon úsáid eile a bhaint as an bhfaisnéis, nó aon ghníomh a bhraithfeadh ar an bhfaisnéis seo a dhéanamh agus d'fhéadfaí an dlí a shárú dá ndéanfaí sin. Séanann Uisce Éireann dliteanas as aon ghníomh agus as aon iarmhairt bunaithe ar úsáid neamhúdraithe na faisnéise seo. Séanann Uisce Éireann dliteanas maidir le seachadadh iomlán agus ceart na faisnéise sa chumarsáid seo agus séanann Uisce Éireann dliteanas maidir le haon mhoill a bhaineann leis an bhfaisnéis a fháil. Má tá an ríomh-phost seo faighte agat trí dhearmad, déan teagmháil leis an seoltóir más é do thoil é agus scríos an t-ábhar ó gach aon ríomhaire. D'fhéadfadh ríomhphost a bheith so-ghabhálach i leith truaillithe, idircheaptha agus i leith leasuithe

neamhúdairithe. Séanann Uisce Éireann aon fhreagracht as athruithe nó as idircheapadh a rinneadh ar an ríomhphost seo nó as aon dochar do chórais na bhfaighteoirí déanta ag an teachtaireacht seo nó ag a ceangaltáin tar éis a sheolta. Tabhair faoi deara go bhféadfadh monatóireacht a bheith á dhéanamh ar theachtaireachtaí chuig Uisce Éireann agus ó Uisce Éireann d'fhonn ár ngnó a chosaint agus chun a chinntiú go bhfuiltear ag teacht le beartais agus le caighdeáin Uisce Éireann. Is cuideachta gníomhaíochta ainmnithe é Uisce Éireann atá faoi theorainn scaireanna, a bunaíodh de bhun fhorálacha na n-Achtanna um Sheirbhísí Uisce 2007-2022, a bhfuil a bpríomh-ionad gnó ag Teach Colvill, 24-26 Sráid na Talbóide, BÁC 1.

Go raibh maith agat as d'aird a thabhairt.

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Thank you for your attention.

For the attention of Evan Connolly

MKO Consultants
9C Beckett Way,
Park West Business Park,
Dublin, D12 XN9W

11th November, 2024

By email: econnolly@mkoireland.ie

Uisce Éireann
Bosca OP 6000
Baile Átha Cliath 1
D01 WA07
Éire

Uisce Éireann
PO Box 6000
Dublin 1
D01 WA07
Ireland

T: +353 1 89 25000
F: +353 1 89 25001
www.water.ie

**Re: EIA Scoping Request –Revised Proposal for Carrow Wind Farm
Development in the townland of Carrow and adjacent townlands in County
Tipperary**

Dear Evan Connolly,

Uisce Éireann has received notification of your revised Environmental Impact Assessment (EIA) scoping request relating to Carrow Renewable Energy Limited's forthcoming planning application for a windfarm development in Co. Tipperary.

Please see attached, Uisce Éireann's scoping opinion in relation to Water Services. On receipt of the planning referral, Uisce Éireann will review the finalised Environmental Impact Assessment Report (EIAR) as part of the planning process.

Uisce Éireann notes that the proposed wind farm development is located c. 2.5 km upstream of Uisce Éireann's public water abstraction source in Iron Mills and c. 11 km upstream of Uisce Éireann's public water abstraction source in Springmount. Careful consideration of the potential impacts of the proposed development on all public water sources shall be assessed as well as the applicant shall provide details of measures to be taken to ensure that there will be no negative impact to Uisce Éireann's Drinking Water Source(s).

Uisce Éireann notes the proposals include for underground cabling works to the existing Cauteen 110kV substation and/or the Killonan 110kV substation in Milltown, Co. Limerick, both cables routes will be via an underground grid connection route. This cable will overlap with existing UÉ infrastructure within the public roads. Where building near / building over / diversions of existing UÉ assets are proposed, the associated designs need to be agreed with the

Diversions team in Uisce Éireann prior to the submission of a formal planning application. Where appropriate, an associated Build Over Agreement / Diversion Agreement will need to be executed between the applicant and Uisce Éireann, prior to the commencement of construction works. Further details on the process to be followed are outlined on the Uisce Éireann website at <https://www.water.ie/connections/developer-services/diversions/>. An associated application form can be downloaded from this location, and it should be submitted, along with associated design drawings, to diversions@water.ie.

Design proposals are required to be in accordance with UÉ Standard Details and Codes of Practice.

Queries relating to the terms and observations above should be directed to planning@water.ie

Yours sincerely,

PP. Ali Robinson

Signed on Behalf of Dermot Phelan
Connection and Developer Services

Uisce Éireann's Response to EIA Scoping Requests

At present, Uisce Éireann does not have the capacity to advise on the scoping of individual projects. However, in general the following aspects of Water Services should be considered in the scope of an EIA where relevant;

- a) Where the development proposal has the potential to impact an Uisce Éireann Drinking Water Source(s), the applicant shall provide details of measures to be taken to ensure that there will be no negative impact to Uisce Éireann's Drinking Water Source(s) during the construction and operational phases of the development. Hydrological / hydrogeological pathways between the applicant's site and receiving waters should be identified as part of the report.
- b) Where the development proposes the backfilling of materials, the applicant is required to include a waste sampling strategy to ensure the material is inert.
- c) Mitigations should be proposed for any potential negative impacts on any water source(s) which may be in proximity and included in the environmental management plan and incident response.
- d) Any and all potential impacts on the nearby reservoir as public water supply water source(s) are assessed, including any impact on hydrogeology and any groundwater/ surface water interactions.
- e) Impacts of the development on the capacity of water services (*i.e. do existing water services have the capacity to cater for the new development*). This is confirmed by Uisce Éireann in the form of a Confirmation of Feasibility (COF). If a development requires a connection to either a public water supply or sewage collection system, the developer is advised to submit a Pre-Connection Enquiry (PCE) enquiry to Uisce Éireann to determine the feasibility of connection to the Irish Water network. All pre-connection enquiry forms are available from <https://www.water.ie/connections/connection-steps/>.
- f) The applicant shall identify any upgrading of water services infrastructure that would be required to accommodate the proposed development.
- g) In relation to a development that would discharge trade effluent – any upstream treatment or attenuation of discharges required prior to discharging to an Uisce Éireann collection network.
- h) In relation to the management of surface water; the potential impact of surface water discharges to combined sewer networks and potential measures to minimise and or / stop surface waters from combined sewers.

- i) Any physical impact on Uisce Éireann assets – reservoir, drinking water source, treatment works, pipes, pumping stations, discharges outfalls etc. including any relocation of assets.
- j) When considering a development proposal, the applicant is advised to determine the location of public water services assets, possible connection points from the applicant's site / lands to the public network and any drinking water abstraction catchments to ensure these are included and fully assessed in any pre-planning proposals. Details, where known, can be obtained by emailing an Ordnance Survey map identifying the proposed location of the applicant's intended development to datarequests@water.ie
- k) Other indicators or methodologies for identifying infrastructure located within the applicant's lands are the presence of registered wayleave agreements, visible manholes, vent stacks, valve chambers, marker posts etc. within the proposed site.
- l) Any potential impacts on the assimilative capacity of receiving waters in relation to Uisce Éireann discharge outfalls including changes in dispersion / circulation characterises. Hydrological / hydrogeological pathways between the applicant's site and receiving waters should be identified within the report.
- m) Any potential impact on the contributing catchment of water sources either in terms of water abstraction for the development (*and resultant potential impact on the capacity of the source*) or the potential of the development to influence / present a risk to the quality of the water abstracted by Uisce Éireann for public supply should be identified within the report.
- n) Where a development proposes to connect to an Uisce Éireann network and that network either abstracts water from or discharges wastewater to a "protected"/ sensitive area, consideration as to whether the integrity of the site / conservation objectives of the site would be compromised should be identified within the report.
- o) Mitigation measures in relation to any of the above ensuring a zero risk to any Irish Water drinking water sources (Surface and Ground water).

This is not an exhaustive list.

Please note;

- Where connection(s) to the public network is required as part of the development proposal, applicants are advised to complete the Pre-Connection Enquiry process and have received a Confirmation of Feasibility letter from Uisce Éireann ahead of any planning application.
- Uisce Éireann will not accept new surface water discharges to combined sewer networks.

Evan Connolly

From: Sabine Browne <Sabine.Browne@waterwaysireland.org>
Sent: Friday 11 October 2024 16:42
To: Evan Connolly
Cc: Jonny Fearon
Subject: RE: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

Caution: This is an external email and may be malicious. Please take care when clicking links or opening attachments.

Good afternoon Evan,

This is not within any Zone of Influence of our waterways so we will not be commenting.

Kind regards,

Sabine Browne

From: Evan Connolly <econnolly@mkoireland.ie>
Sent: 10 October 2024 14:57
To: Sabine Browne <Sabine.Browne@waterwaysireland.org>
Cc: Jonny Fearon <jfearon@mkoireland.ie>
Subject: RE: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

Dear Ms. Browne,

MKO is preparing an Environmental Impact Assessment Report (EIAR) and Natura Impact Statement (NIS) to accompany a planning application, on behalf of Carrow Renewable Energy Ltd, for a proposed wind farm development located at Carrow and surrounding townlands, north of Dundrum, approximately 2km south of Hollyford, Co. Tipperary.

An initial round of scoping was conducted in March 2024 and since that time, the project has evolved. This email and the attached Revised Scoping Document and Letter provide an update on the project.

As part of the EIA process, we would welcome any comments that you might have in relation to the Proposed Development, 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. 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,
Evan

Evan Connolly

Graduate Environmental Scientist

MKO

9C Beckett Way, Park West
Business Park, Dublin, D12 XN9W



Offices in Galway and Dublin

mkoireland.ie | +353 (0)91 735 611

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From: Sabine Browne <Sabine.Browne@waterwaysireland.org>

Sent: Thursday 28 March 2024 11:28

To: Natalia Stolarska <nstolarska@mkoireland.ie>

Cc: Jonny Fearon <jfearon@mkoireland.ie>; Eoin McCarthy <emccarthy@mkoireland.ie>

Subject: RE: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

You don't often get email from sabine.browne@waterwaysireland.org. [Learn why this is important](#)

Caution: This is an external email and may be malicious. Please take care when clicking links or opening attachments.

Good afternoon Natalia,

This is not within any Zone of Influence of our waterways so we will not be commenting.

Kind regards,

Sabine Browne

From: Natalia Stolarska <nstolarska@mkoireland.ie>

Sent: Thursday, March 28, 2024 10:57 AM

To: Sabine Browne <Sabine.Browne@waterwaysireland.org>

Cc: Jonny Fearon <jfearon@mkoireland.ie>; Eoin McCarthy <emccarthy@mkoireland.ie>

Subject: 231102: EIA Scoping Request for Proposed Carrow Wind Farm Development, Co. Tipperary

Dear Ms Brown,

MKO is preparing an Environmental Impact Assessment Report (EIAR) and Natura Impact Statement (NIS) to accompany a planning application, on behalf of Carrow Renewable Energy Ltd, for a proposed wind farm development located at Carrow and surrounding townlands, north of Dundrum, approximately 2km south of Hollyford, Co. Tipperary.

The proposed project will likely encompass up to 8 no. wind turbines, access roads and entrance(s), borrow pit(s), on site 38kV electricity substation, electrical cabling for grid connection, temporary construction compound s,

temporary turbine delivery junction accommodation works, and a permanent meteorological mast. It is anticipated the development will not meet the Strategic Infrastructure Development (SID) thresholds of 25 no. turbines or 50 Megawatts (MW) for wind energy as set out in the 7th Schedule of the Planning and Development Act 2000, (as amended). In this regard, it is intended to submit the planning permission application to Tipperary County Council.

Please see attached a Cover Letter and Scoping Document providing details of the proposed project. As part of the EIA process, we would welcome any comments that you might have in relation to the Proposed Development, 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. 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,
Natalia.

Natalia Stolarska
Graduate Environmental Scientist

MKO

Tuam Road, Galway, H91 VW84

Offices in Galway and Dublin
mkoireland.ie | +353 (0)91 735 611



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Evan Connolly

From: Matthew Craig <matthew.craig@2rn.ie>
Sent: Wednesday 12 April 2023 14:15
To: Jonny Fearon
Cc: windfarms; Johnny Evans
Subject: RE: 230304-a WF Development at Carrowkeale, Co. Tipperary

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Hi Jonny,

The proposed Windfarm at Carrowkeale will not affect 2rn's fixed linking.
There is however a risk of interference to broadcast services in the area, we would therefore ask that a protocol be signed between 2rn and the developers should the site go ahead.

Regards

Matthew Craig

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

From: Jonny Fearon <jfearon@mkoireland.ie>
Sent: Thursday, April 6, 2023 11:41 AM
To: Matthew Craig <matthew.craig@2rn.ie>
Cc: windfarms <windfarms@rte.ie>; Johnny Evans <johnny.evans@2rn.ie>
Subject: 230304-a WF Development at Carrowkeale, Co. Tipperary

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

Hi Matthew,

We are looking at the potential for a wind farm development at Carrowkeale, Co. Tipperary. We don't have dimensions or a turbine layout yet, it is at the very early stages of a feasibility study.
Please see kml, centre coordinates and a site location map attached. Can you let me know if you have links in the area and if so, what setbacks you require.

Centre coordinates for the Carrowkeale site is:
ITM – 594804, 650862
Irish Grid – 194854, 150830
Lat/Long - 52.608990, -8.0767021
Approximate Radius: 2.5km

Kind Regards,

Jonny.

Jonny Fearon
Environmental Scientist

MKO

Tuam Road, Galway, H91 VW84

Offices in Galway and Dublin
mkoireland.ie | +353 (0)91 735 611



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Evan Connolly

From: John Barry <john@airwave.ie>
Sent: Thursday 13 April 2023 09:49
To: Jonny Fearon
Subject: RE: 230304-a WF Development at Carrowkeale, Co. Tipperary

Caution: This is an external email and may be malicious. Please take care when clicking links or opening attachments.

We have no infrastructure in this area

John Barry
Airwave Internet
e: john@airwave.ie
p: 021-2024000
m: 087-9471657

From: Jonny Fearon <jfearon@mkofireland.ie>
Sent: Thursday, April 6, 2023 12:11 PM
To: John Barry <john@airwave.ie>
Subject: 230304-a WF Development at Carrowkeale, Co. Tipperary

Hello,

We are looking at the potential for a wind farm development at Carrowkeale, Co. Tipperary. We don't have dimensions or a turbine layout yet, it is at the very early stages of a feasibility study. Please see kml, centre coordinates and a site location map attached. Can you let me know if you have links in the area and if so, what setbacks you require.

Centre coordinates for the Carrowkeale site is:
ITM – 594804, 650862
Irish Grid – 194854, 150830
Lat/Long - 52.608990, -8.0767021
Approximate Radius: 2.5km

Kind Regards,
Jonny.

Jonny Fearon
Environmental Scientist

MKO

Tuam Road, Galway, H91 VW84

Offices in Galway and Dublin
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Evan Connolly

From: Stratton, Laurence <laurence.stratton@cellnextelecom.ie>
Sent: Tuesday 11 April 2023 14:10
To: Jonny Fearon
Cc: Kavanagh, Sinead
Subject: RE: 230304-a WF Development at Carrowkeale, Co. Tipperary

You don't often get email from laurence.stratton@cellnextelecom.ie. [Learn why this is important](#)

Caution: This is an external email and may be malicious. Please take care when clicking links or opening attachments.

Thanks Jonny,

We do not have any telecoms installation in the affected area.

I quickly checked the ComReg map, there is a tower in the area, the links on the tower are owned by –

- Eir – ComReg reference – TY_2489
- Imagine – ComReg reference – TY005
- Three Ireland – ComReg reference – TP0015
- Vodafone – ComReg reference - TYLSF

You will need to contact them to confirm any potential link interference.

Kind regards,
Laurence

Laurence Stratton
Head of Operations
Cellnex Telecom, Ireland
T: +353 (0)1 482 5890 / M: +353 (0)85 158 3620



cellnextelecom.com



Consider the environment before printing this email

De: Jonny Fearon <jfearon@mkoireland.ie>
Enviado el: jueves, 6 de abril de 2023 12:45
Para: Cellnex Communication <communication@cellnextelecom.com>
Asunto: 230304-a WF Development at Carrowkeale, Co. Tipperary

Hello,

We are looking at the potential for a wind farm development at Carrowkeale, Co. Tipperary. We don't have dimensions or a turbine layout yet, it is at the very early stages of a feasibility study. Please see kml, centre coordinates and a site location map attached. Can you let me know if you have links in the area and if so, what setbacks you require.

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Jonny.

Jonny Fearon
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Evan Connolly

From: Roger Woods <rwoods@cnam.ie>
Sent: Thursday 6 April 2023 15:31
To: Jonny Fearon
Subject: RE: 230304-a WF Development at Carrowkeale, Co. Tipperary

You don't often get email from rwoods@cnam.ie. [Learn why this is important](#)

Caution: This is an external email and may be malicious. Please take care when clicking links or opening attachments.

Hi Jonny

Coimisiún na Meán 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

My email address has now changed to rwoods@cnam.ie, please update your address book accordingly.

Tá mo sheoladh ríomhphoist athraithe anois go rwoods@cnam.ie, dá réir sin déan do leabhar seoltaí a uasdátú, le do thoil.

Coimisiún na Meán | 2-5 Plás Warrington, Baile Átha Cliath D02 XP29, Éire
Coimisiún na Meán | 2-5 Warrington Place, Dublin D02 XP29, Ireland
T: + 353 (0)1 644 1200 | rwoods@cnam.ie



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

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Please consider the environment before printing this email

From: Jonny Fearon <jfearon@mkoireland.ie>
Sent: Thursday, April 6, 2023 11:43 AM
To: Roger Woods <rwoods@cnam.ie>
Subject: 230304-a WF Development at Carrowkeale, Co. Tipperary

Hi Roger,

We are looking at the potential for a wind farm development at Carrowkeale, Co. Tipperary. We don't have dimensions or a turbine layout yet, it is at the very early stages of a feasibility study.

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Kind Regards,

Jonny.

Jonny Fearon

Environmental Scientist

MKO

Tuam Road, Galway, H91 VW84

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Evan Connolly

From: Cathal Hickey <Cathal.Hickey@CorkCoCo.ie>
Sent: Monday 24 April 2023 11:22
To: Jonny Fearon
Subject: RE: 230304-a WF Development at Carrowkeale, Co. Tipperary

You don't often get email from cathal.hickey@corkcoco.ie. [Learn why this is important](#)

Caution: This is an external email and may be malicious. Please take care when clicking links or opening attachments.

Hello Jonny,

We don't have any links in this area.

Regards,

Cathal O hIcÍ | Oigigeach Riaracháin | TFC

Comhairle Contae Chorcaí, Halla an Chontae, Corcaigh, T12 R2NC Éire

T +353-(0)21 – 428 5741 +353 (0)87 6025530 | e cathal.hickey@corkcoco.ie | www.corkcoco.ie

Tairseach na gcustaiméirí : www.yourcouncil.ie

Cathal Hickey | Administrative Officer | ICT

Cork County Council, County Hall, Cork, T12R2NC Ireland

T +353-(0)21 – 428 5741 +353 (0)87 6025530 | e cathal.hickey@corkcoco.ie | www.corkcoco.ie

Customer Portal: www.yourcouncil.ie

From: Niall Hawes <Niall.Hawes@CorkCoCo.ie>

Sent: Monday, April 24, 2023 11:02 AM

To: Cathal Hickey <Cathal.Hickey@CorkCoCo.ie>

Subject: FW: 230304-a WF Development at Carrowkeale, Co. Tipperary

Just spotted this one from when I was away too

Niall O'Heachaigh | Oifigeach Tacaíochta Teicniúla Córais Faisnéise | ICT

Comhairle Contae Chorcaí, Halla an Chontae, Corcaigh, T12 R2NC Éire

T +353-(0)21 – 428 5492 | Mob : 0861072956 | e Niall.Hawes@corkcoco.ie | www.corkcoco.ie

Tairseach na gcustaiméirí : www.yourcouncil.ie

Niall Hawes IS Technical Support Officer | ICT

Cork County Council | County Hall | Cork, T12R2NC Ireland

T +353-(0)21 – 428 5492 | Mob : 0861072956 | e Niall.Hawes@corkcoco.ie | www.corkcoco.ie

Customer Portal: www.yourcouncil.ie

From: Jonny Fearon <jfearon@mkoireland.ie>

Sent: Thursday 6 April 2023 11:47

To: Niall Hawes <Niall.Hawes@CorkCoCo.ie>

Subject: 230304-a WF Development at Carrowkeale, Co. Tipperary

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

Hi Niall,

I was given your email from ComReg as Cork County Council were named amongst the list of users of masts in the Carrowkeale, Co. Tipperary area. We are looking at the potential for a wind farm development at Carrowkeale, Co. Tipperary. We don't have dimensions or a turbine layout yet, it is at the very early stages of a feasibility study. Please see kml, centre coordinates and a site location map attached. Can you let me know if you have links in the area and if so, what setbacks you require.

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Approximate Radius: 2.5km

Kind Regards,
Jonny.

Jonny Fearon
Environmental Scientist

MKO

Tuam Road, Galway, H91 VW84

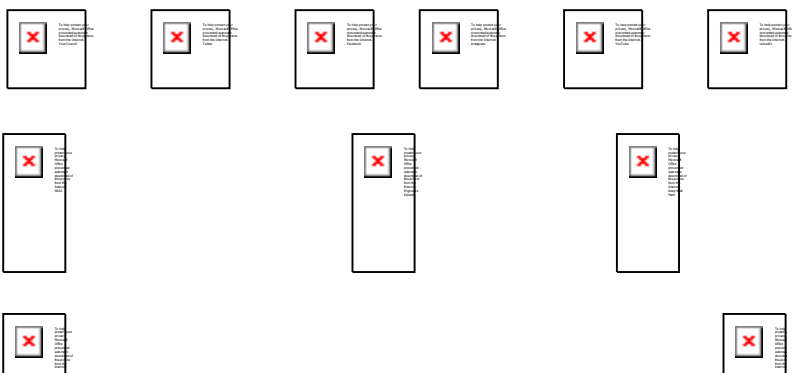
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www.corkcoco.ie



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bhfuair tú an ríomhphost seo trí bhotún, ar mhiste leat é sin a chur in iúl don seoltóir trí r-phost ar ais agus ansin é a scríosadh.

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Evan Connolly

From: John Bagnall <john.bagnall@eir.ie>
Sent: Tuesday 25 April 2023 10:03
To: Jonny Fearon
Cc: Paul Marron
Subject: Re: 230304-a WF Development at Carrowkeale, Co. Tipperary

Caution: This is an external email and may be malicious. Please take care when clicking links or opening attachments.

Hi Jonny,

We have 8 transmission links within the proposed area that would be at risk, the end points of the transmission link are below, if you could keep a buffer of 100meters radius away from this transmission path when placing your turbines and send them on for further analysis on the for Eir Mobile and the Eir fixed network. Please send future check for Eir wireless services to MobileNetworksTXN@eir.ie

#	Band	A-end				B-end		
Link1	11Ghz	LSF	52°37'17.82"N	8° 5'30.79"W	<--->	GSX	52°35'20.37"N	7°57'28.38"W
Link2	13Ghz	LSF	52°37'17.82"N	8° 5'30.79"W	<--->	RGN	52°28'9.54"N	7°50'4.03"W
Link3	11Ghz	LSF	52°37'17.82"N	8° 5'30.79"W	<--->	GDN	52°29'54.12"N	7°59'23.36"W
Link4	11Ghz	TY_2489	52°37'17.82"N	8° 5'30.79"W	<--->	TY_3635	52°30'36.21"N	7°52'22.94"W
Link5	13Ghz	TY_2489	52°37'17.82"N	8° 5'30.79"W	<--->	TY_4892	52°36'1.25"N	7°58'21.89"W
Link6	13Ghz	TY_2489	52°37'17.82"N	8° 5'30.79"W	<--->	TY_4159	52°28'30.33"N	8° 9'36.43"W
Link7	15Ghz	TY_2489	52°37'17.82"N	8° 5'30.79"W	<--->	LK_1957	52°30'42.76"N	8°17'25.95"W
Link8	15Ghz	TY_2489	52°37'17.82"N	8° 5'30.79"W	<--->	LK_4881	52°37'17.22"N	8°12'41.07"W



Kind regards,



John Bagnall

Transmission Design & Engineering

M: +353 85 1053746

E: john.bagnall@eir.ie

Address: EirCode - D24 HX03

On Thu, 6 Apr 2023 at 12:48, Paul Marron <paul.marron@eir.ie> wrote:

Hi Jonny,

I'm forwarding your request to my colleague John Bagnall who will assess it against the eir mobile network and get back to you.

Regards,

Paul

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

From: **Jonny Fearon** <jfearon@mkofireland.ie>

Date: Thu, 6 Apr 2023 at 12:12

Subject: 230304-a WF Development at Carrowkeale, Co. Tipperary

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

Hello,

We are looking at the potential for a wind farm development at Carrowkeale, Co. Tipperary. We don't have dimensions or a turbine layout yet, it is at the very early stages of a feasibility study.

Please see kml, centre coordinates and a site location map attached. Can you let me know if you have links in the area and if so, what setbacks you require.

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Approximate Radius: 2.5km

Kind Regards,

Jonny.

Jonny Fearon

Environmental Scientist

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--

Paul Marron

Transmission Engineer

Eir Mobile Networks

2022 Bianconi Ave, Citywest, Dublin 24.

www.eir.ie

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

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Evan Connolly

From: John Bagnall <john.bagnall@eir.ie>
Sent: Thursday 29 June 2023 10:10
To: Jonny Fearon
Subject: Re: 230304-a WF Development at Carrowkeale, Co. Tipperary

Caution: This is an external email and may be malicious. Please take care when clicking links or opening attachments.

Hi Jonny,

Sorry for the delay heights added.

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Link1	11Ghz	LSF	52°37'17.82"N	8° 5'30.79"W	18	<--->	GSX	52°35'20.37"N	7°57'2
Link2	13Ghz	LSF	52°37'17.82"N	8° 5'30.79"W	23	<--->	RGN	52°28'9.54"N	7°50'
Link3	11Ghz	LSF	52°37'17.82"N	8° 5'30.79"W	15	<--->	GDN	52°29'54.12"N	7°59'2
Link4	11Ghz	TY_2489	52°37'17.82"N	8° 5'30.79"W	31	<--->	TY_3635	52°30'36.21"N	7°52'2
Link5	13Ghz	TY_2489	52°37'17.82"N	8° 5'30.79"W	30	<--->	TY_4892	52°36'1.25"N	7°58'2
Link6	13Ghz	TY_2489	52°37'17.82"N	8° 5'30.79"W	31	<--->	TY_4159	52°28'30.33"N	8° 9'3
Link7	15Ghz	TY_2489	52°37'17.82"N	8° 5'30.79"W	31	<--->	LK_1957	52°30'42.76"N	8°17'2
Link8	15Ghz	TY_2489	52°37'17.82"N	8° 5'30.79"W	34	<--->	LK_4881	52°37'17.22"N	8°12'4

Kind regards,



John Bagnall
Transmission Design & Engineering

M: +353 85 1053746
E: john.bagnall@eir.ie
Address: EirCode - D24 HX03

On Mon, 26 Jun 2023 at 08:36, Jonny Fearon <jfearon@mkoireland.ie> wrote:

Hi John,

Thank you for this information. Would you be able to provide us with the antenna/dish height for the links below.

Kind Regards,

Jonny.

Jonny Fearon

Environmental Scientist

MKO

Tuam Road, Galway, H91 VW84



Offices in Galway and Dublin

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Sent: Tuesday, April 25, 2023 10:03 AM
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Subject: Re: 230304-a WF Development at Carrowkeale, Co. Tipperary

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Kind regards,



John Bagnall

Transmission Design & Engineering

M: +353 85 1053746

E: john.bagnall@eir.ie

Address: EirCode - D24 HX03

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ITM – 594804, 650862

Irish Grid – 194854, 150830

Lat/Long - 52.608990, -8.0767021

Approximate Radius: 2.5km

Kind Regards,

Jonny.

Jonny Fearon

Environmental Scientist

MKO

Tuam Road, Galway, H91 VW84



Offices in Galway and Dublin

mkoireland.ie | +353 (0)91 735 611

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--

Paul Marron

Transmission Engineer

Eir Mobile Networks

2022 Bianconi Ave, Citywest, Dublin 24.

www.eir.ie

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

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Evan Connolly

From: Peter O'Brien <peter.obrien@enet.ie>
Sent: Thursday 6 April 2023 16:05
To: Jonny Fearon
Subject: RE: 230304-a WF Development at Carrowkeale, Co. Tipperary

Caution: This is an external email and may be malicious. Please take care when clicking links or opening attachments.

Hi Jonny,

We have a lot of links at TC Laghtseefin – see below:

Link Name	A-End Coordinates	A-End Antenna Height	B-End Coordinates	B-End Antenna Height	Frequency	Min Set Back Distance
TC Laghtseefin – ESB Killonan	52.621614 -8.091866	22.5m	52.639529 -8.547088	15m	7GHz	70m
TC Laghtseefin – Garracummer Wind Farm	52.621614 -8.091866	13.85m	52.643697 -8.148169	7m	38GHz	70m
TC Laghtseefin – ESB Kilduff	52.621614 -8.091866	23m	52.835060 -7.910587	15m	13GHz	70m
TC Laghtseefin – Presentaion Thurles	52.621614 -8.091866	31.2m	52.681283 -7.806600	7m	11GHz	70m
TC Laghtseefin – Cignal Clonoulty	52.621614 -8.091866	21.5m	52.600319 -7.972725	12m	18GHz	70m
TC Laghtseefin – Coolmore Longfield Stud	52.621614 -8.091866	23m	52.577292 -7.926222	7m	18GHz	70m
TC Laghtseefin – Three Tinnakilly	52.621614 -8.091866	27.5m	52.485028 -7.659111	15m	7GHz	70m
TC Laghtseefin – Amneal Cashel	52.621614 -8.091866	18.8m	52.503833 -7.889083	7m	15GHz	70m
TC Laghtseefin – SCP1209 –	52.621614 -8.091866	23.7m	52.379453 -7.842128	12m	11GHz	70m

The Apple Farm						
TC Laghtseefin – VDF Ballydavid	52.621614 -8.091866	12.3m	52.397014 -8.045058	12m	7GHz	70m
TC Laghtseefin – Kilsaran Kilfeacle	52.621614 -8.091866	23m	52.482222 -8.083333	10m	15GHz	70m

Best Regards,
Peter

Peter O'Brien | Licensed Link planner

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

M: +353867744313 | **W:** www.enet.ie



Registered in Ireland, Registration No. 332982

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Diversity

SILVER



**BEST
MANAGED
COMPANIES**

From: Jonny Fearon <jfearon@mkoireland.ie>

Sent: Thursday, April 6, 2023 11:54 AM

To: Peter O'Brien <peter.obrien@enet.ie>

Subject: 230304-a WF Development at Carrowkeale, Co. Tipperary

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..

Hello Peter,

We are looking at the potential for a wind farm development at Carrowkeale, Co. Tipperary. We don't have dimensions or a turbine layout yet, it is at the very early stages of a feasibility study.

Please see kml, centre coordinates and a site location map attached. Can you let me know if you have links in the area and if so, what setbacks you require.

Centre coordinates for the Carrowkeale site is:

ITM – 594804, 650862

Irish Grid – 194854, 150830

Lat/Long - 52.608990, -8.0767021

Approximate Radius: 2.5km

Kind Regards,
Jonny.

Jonny Fearon
Environmental Scientist

MKO

Tuam Road, Galway, H91 VW84

Offices in Galway and Dublin

mkoireland.ie | +353 (0)91 735 611



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Evan Connolly

From: wfanalysis (ESB Networks) <wfanalysis@esb.ie>
Sent: Monday 17 April 2023 11:17
To: Jonny Fearon
Subject: Re: 230304-a WF Development at Carrowkeale, Co. Tipperary

Caution: This is an external email and may be malicious. Please take care when clicking links or opening attachments.

Hi,

Initial impact analysis of the outlined windfarm development has been carried out and we can confirm there will be no expected impact to our microwave nor our point to multipoint radio networks.

Regards,

WF Analysis | Networks Telecoms | ESB Networks | www.esbnetworks.ie

From: Jonny Fearon <jfearon@mkoireland.ie>
Sent: 06 April 2023 11:25
To: wfanalysis (ESB Networks) <wfanalysis@esb.ie>
Subject: 230304-a WF Development at Carrowkeale, Co. Tipperary

CAUTION: This message is from an EXTERNAL SENDER - be CAUTIOUS, Do NOT Click any links or Open any attachments if you were not expecting them.

Hello,

We are looking at the potential for a wind farm development at Carrowkeale, Co. Tipperary. We don't have dimensions or a turbine layout yet, it is at the very early stages of a feasibility study. Please see kml, centre coordinates and a site location map attached. Can you let me know if you have links in the area and if so, what setbacks you require.

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Kind Regards,
Jonny.

Jonny Fearon
Environmental Scientist

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An timpeallacht? - Smaoinigh air sula bpriontáileann tú an r-phost seo.

Please consider the Environment before printing this email.

* * * * *

Tá an t-eolas sa ríomhphost seo agus in aon chomhad a ghabhann leis rúnda agus ceaptha le haghaidh úsáide an té nó an aonáin ar seoladh chuige iad agus na húsáide sin amháin.

Is tuairimí nó dearcthaí an údair amháin aon tuairimí nó dearcthaí ann, agus ní gá gurb ionann iad agus tuairimí nó dearcthaí ESB.

Má bhfuair tú an ríomhphost seo trí earráid, ar mhiste leat é sin a chur in iúl don seoltóir.

Scanann ESB ríomhphoist agus ceangaltáin le haghaidh víreas, ach ní ráthaíonn sé go bhfuil ceachtar díobh saor ó víreas agus ní glacann dliteanas ar bith as aon damáiste de dhroim víreas.

<https://www.esb.ie/contact>

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<https://www.esb.ie/contact>

* * * * *

Evan Connolly

From: Paul Brunel <Paul.Brunel@imagegroup.ie>
Sent: Tuesday 11 April 2023 12:34
To: Jonny Fearon; Ronnie O'Neill
Subject: RE: 230304-a WF Development at Carrowkeale, Co. Tipperary

Caution: This is an external email and may be malicious. Please take care when clicking links or opening attachments.

Hi Jonny,
Imagine have equipment on Towercom Laghtseefin, at the northern edge of this development.
We have two microwave links over the same path, detail below:

	TY005 Towercom Laghtseefin	LK007 Cellnex Roxboro Tower
Latitude	52.621579 N	52.64891944 N
Longitude	8.091891 W	8.6053 W
ITM Eastings	593778	559040
Northings	652264	655474
Elevation (m)	406.25	22.40
Antenna 1. height (m)	33.25	15.00
Antenna 2. height (m)	29.00	15.00
Frequency 1 & 2 (MHz)	6000.00	
Path length (km)	34.93	

I have forwarded your mail to our RF planning team .
They will reply if needed.



Kind Regards,
Paul Brunel
Transmission Planner

www.imagine.ie
086 388 1962
Sandyford Business Centre |
Blackthorn Road |Sandyford
| D18AW89



Disclaimer: www.imagine.ie/email-disclaimer/

From: Jonny Fearon <jfearon@mkoireland.ie>
Sent: Thursday, April 6, 2023 12:01 PM
To: Paul Brunel <Paul.Brunel@imaginegroup.ie>; Ronnie O'Neill <Ronnie.ONeill@imaginegroup.ie>
Subject: 230304-a WF Development at Carrowkeale, Co. Tipperary

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

Hello,

We are looking at the potential for a wind farm development at Carrowkeale, Co. Tipperary. We don't have dimensions or a turbine layout yet, it is at the very early stages of a feasibility study. Please see kml, centre coordinates and a site location map attached. Can you let me know if you have links in the area and if so, what setbacks you require.

Centre coordinates for the Carrowkeale site is:

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Irish Grid – 194854, 150830

Lat/Long - 52.608990, -8.0767021

Approximate Radius: 2.5km

Kind Regards,
Jonny.

Jonny Fearon
Environmental Scientist

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Evan Connolly

From: Paul Brunel <Paul.Brunel@imaginegroup.ie>
Sent: Tuesday 23 May 2023 13:51
To: Jonny Fearon
Cc: Ronnie O'Neill
Subject: RE: 230304-a WF Development at Carrowkeale, Co. Tipperary

Caution: This is an external email and may be malicious. Please take care when clicking links or opening attachments.

Hi Jonny,
We look for a setback of 50m.



Kind Regards,
Paul Brunel
Transmission Planner

 www.imagine.ie
 086 388 1962
 Sandyford Business Centre |
Blackthorn Road | Sandyford
| D18AW89



Disclaimer: www.imagine.ie/email-disclaimer/

From: Jonny Fearon <jfearon@mkoireland.ie>
Sent: Tuesday, May 23, 2023 12:32 PM
To: Paul Brunel <Paul.Brunel@imaginegroup.ie>
Cc: Ronnie O'Neill <Ronnie.ONeill@imaginegroup.ie>
Subject: RE: 230304-a WF Development at Carrowkeale, Co. Tipperary

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

Hi Paul,

Thanks for that, what setback would Imagine Group require on these links? We do not have turbine dimensions as of yet.

Kind Regards,
Jonny.

Jonny Fearon
Environmental Scientist



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From: Paul Brunel <Paul.Brunel@imgroupegroup.ie>

Sent: Tuesday, April 11, 2023 12:34 PM

To: Jonny Fearon <jfearon@mkoireland.ie>; Ronnie O'Neill <Ronnie.ONeill@imgroupegroup.ie>

Subject: RE: 230304-a WF Development at Carrowkeale, Co. Tipperary

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Hi Jonny,

Imagine have equipment on Towercom Laghtseefin, at the northern edge of this development.

We have two microwave links over the same path, detail below:

	TY005 Towercom Laghtseefin	LK007 Cellnex Roxboro Tower
Latitude	52.621579 N	52.64891944 N
Longitude	8.091891 W	8.6053 W
ITM Eastings	593778	559040
Northings	652264	655474
Elevation (m)	406.25	22.40
Antenna 1. height (m)	33.25	15.00
Antenna 2. height (m)	29.00	15.00
Frequency 1 & 2 (MHz)	6000.00	
Path length (km)	34.93	

I have forwarded your mail to our RF planning team .

They will reply if needed.



Kind Regards,

Paul Brunel

Transmission Planner

www.imagine.ie

086 388 1962

Sandyford Business Centre |
Blackthorn Road | Sandyford
| D18AW89



Disclaimer: www.imagine.ie/email-disclaimer/

From: Jonny Fearon <jfearon@mkoireland.ie>

Sent: Thursday, April 6, 2023 12:01 PM

To: Paul Brunel <Paul.Brunel@imaginegroup.ie>; Ronnie O'Neill <Ronnie.ONeill@imaginegroup.ie>

Subject: 230304-a WF Development at Carrowkeale, Co. Tipperary

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Hello,

We are looking at the potential for a wind farm development at Carrowkeale, Co. Tipperary. We don't have dimensions or a turbine layout yet, it is at the very early stages of a feasibility study. Please see kml, centre coordinates and a site location map attached. Can you let me know if you have links in the area and if so, what setbacks you require.

Centre coordinates for the Carrowkeale site is:

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Irish Grid – 194854, 150830

Lat/Long - 52.608990, -8.0767021

Approximate Radius: 2.5km

Kind Regards,

Jonny.

Jonny Fearon

Environmental Scientist

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Evan Connolly

From: Thomas Quigley <Thomas.Quigley@irishrail.ie>
Sent: Thursday 6 April 2023 14:11
To: Jonny Fearon
Subject: RE: 230304-a WF Development at Carrowkeale, Co. Tipperary

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Hi,

We have no wireless links in these area's

Regards,

Thomas Quigley,
National Telecoms Manager,
SET Department



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

From: Jonny Fearon <jfearon@mkoireland.ie>
Sent: Thursday 6 April 2023 12:02
To: Thomas Quigley <Thomas.Quigley@irishrail.ie>
Subject: 230304-a WF Development at Carrowkeale, Co. Tipperary

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Hello,

We are looking at the potential for a wind farm development at Carrowkeale, Co. Tipperary. We don't have dimensions or a turbine layout yet, it is at the very early stages of a feasibility study. Please see kml, centre coordinates and a site location map attached. Can you let me know if you have links in the area and if so, what setbacks you require.

Centre coordinates for the Carrowkeale site is:
ITM – 594804, 650862
Irish Grid – 194854, 150830
Lat/Long - 52.608990, -8.0767021

Approximate Radius: 2.5km

Kind Regards,
Jonny.

Jonny Fearon
Environmental Scientist

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Evan Connolly

From: Fergal Kearney <fergalk@aptus.ie>
Sent: Tuesday 20 June 2023 12:38
To: Jonny Fearon
Subject: RE: 230304-a WF Development at Carrowkeale, Co. Tipperary

You don't often get email from fergalk@aptus.ie. [Learn why this is important](#)

Caution: This is an external email and may be malicious. Please take care when clicking links or opening attachments.

Hi Jonny

JFK Communications Ltd do not have any telecoms infrastructure in the area

Kind Regards
Fergal

Fergal Kearney
JFK Communications Ltd
Lorum House
Bagenalstown
Co Carlow

Tel +353 59 9720900
Mobile +353 86 3807997

Email kearneyf@jfk.ie
Web www.jfk.ie

From: Jonny Fearon <jfearon@mkoireland.ie>
Sent: Wednesday, May 31, 2023 4:44 PM
To: Fergal Kearney <fergalk@aptus.ie>
Subject: 230304-a WF Development at Carrowkeale, Co. Tipperary

Hello,

We are looking at the potential for a wind farm development at Carrowkeale, Co. Tipperary. We don't have dimensions or a turbine layout yet, it is at the very early stages of a feasibility study. Please see kml, centre coordinates and a site location map attached. Can you let me know if you have links in the area and if so, what setback buffers you require for those links .

Centre coordinates for the Carrowkeale site is:
ITM – 594804, 650862
Irish Grid – 194854, 150830
Lat/Long - 52.608990, -8.0767021
Approximate Radius: 2.5km

Kind Regards,
Jonny.

Jonny Fearon
Environmental Scientist

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Evan Connolly

From: Thomas Barry <Tom.Barry@TETRAIRELAND.IE>
Sent: Monday 24 April 2023 07:54
To: Jonny Fearon
Subject: RE: EXTERNAL MAIL:- 230304-a WF Development at Carrowkeale, Co. Tipperary

You don't often get email from tom.barry@tetraireland.ie. [Learn why this is important](#)

Caution: This is an external email and may be malicious. Please take care when clicking links or opening attachments.

Jonny,

We have equipment at E193827 / N152218. We specify an exclusion zone of 500 from this location in all directions. Can you ensure the development is also reviewed by eir.

Regards,
Tom

From: Jonny Fearon [mailto:jfearon@mkoireland.ie]
Sent: Thursday 6 April 2023 12:30
To: Thomas Barry
Subject: RE: EXTERNAL MAIL:- 230304-a WF Development at Carrowkeale, Co. Tipperary

Hi Thomas,

KML + map attached here. Thanks.

Kind Regards,
Jonny.

Jonny Fearon
Environmental Scientist

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From: Thomas Barry <Tom.Barry@TETRAIRELAND.IE>
Sent: Thursday, April 6, 2023 12:25 PM
To: Jonny Fearon <jfearon@mkoireland.ie>
Subject: RE: EXTERNAL MAIL:- 230304-a WF Development at Carrowkeale, Co. Tipperary

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Caution: This is an external email and may be malicious. Please take care when clicking links or opening attachments.

Jonny,

Could you resend the kml file and I'll get it reviewed.

Regards,
Tom

From: Neville Reilly
Sent: Thursday 6 April 2023 12:19
To: Jonny Fearon
Cc: Thomas Barry
Subject: RE: EXTERNAL MAIL:- 230304-a WF Development at Carrowkeale, Co. Tipperary

Jonny

My colleague Tom Barry will review this and is the contact for these enquiries

Regards
Neville

From: Jonny Fearon [<mailto:jfearon@mkofireland.ie>]
Sent: Thursday 6 April 2023 12:13
To: Neville Reilly
Subject: EXTERNAL MAIL:- 230304-a WF Development at Carrowkeale, Co. Tipperary

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Hello,

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Lat/Long - 52.608990, -8.0767021

Approximate Radius: 2.5km

Kind Regards,
Jonny.

Jonny Fearon
Environmental Scientist

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Evan Connolly

From: Monika Biniaszewska <Monika.Biniaszewska@three.ie>
Sent: Tuesday 25 April 2023 10:06
To: Jonny Fearon
Cc: Sean Kelly; David Montgomery
Subject: RE: 230304-a WF Development at Carrowkeale, Co. Tipperary

Caution: This is an external email and may be malicious. Please take care when clicking links or opening attachments.

Hi Jonny,

Can you use the setback distance- 50m please.

Thanks
Monika

From: Jonny Fearon <jfearon@mkoireland.ie>
Sent: Monday 24 April 2023 11:50
To: Monika Biniaszewska <Monika.Biniaszewska@three.ie>
Cc: Sean Kelly <Sean.Kelly2@three.ie>; David Montgomery <David.Montgomery@three.ie>
Subject: RE: 230304-a WF Development at Carrowkeale, Co. Tipperary

CAUTION! External Email.

Hi Monika,

Thanks for that, what setback would Three require from these links? We do not have dimensions yet.

Kind Regards,
Jonny.

Jonny Fearon
Environmental Scientist

MKO
Tuam Road, Galway, H91 VW84

Offices in Galway and Dublin
mkoireland.ie | +353 (0)91 735 611



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From: Monika Biniaszewska <Monika.Biniaszewska@three.ie>
Sent: Tuesday, April 11, 2023 10:14 AM
To: Jonny Fearon <jfearon@mkoireland.ie>; Sean Kelly <Sean.Kelly2@three.ie>; David Montgomery

<David.Montgomery@three.ie>

Subject: RE: 230304-a WF Development at Carrowkeale, Co. Tipperary

Caution: This is an external email and may be malicious. Please take care when clicking links or opening attachments.

Hi Jonny,

We have two links which passes through this boundary. Details as follows:

Link no.	Link Ref	Freq.	Length	Site A	X	Y	Dish Height	Site B
1	19848	15GHz	15.2km	TP0127	186490	138904	30	TP0015
2	20172	11GHz	24.5km	TP0015	193834	152230	30	TP0141

Thanks
Monika

From: Jonny Fearon <jfearon@mkofireland.ie>

Sent: Thursday 6 April 2023 11:58

To: Monika Biniaszewska <Monika.Biniaszewska@three.ie>; Sean Kelly <Sean.Kelly2@three.ie>; David Montgomery <David.Montgomery@three.ie>

Subject: 230304-a WF Development at Carrowkeale, Co. Tipperary

CAUTION! External Email.

Hello,

We are looking at the potential for a wind farm development at Carrowkeale, Co. Tipperary. We don't have dimensions or a turbine layout yet, it is at the very early stages of a feasibility study.

Please see kml, centre coordinates and a site location map attached. Can you let me know if you have links in the area and if so, what setbacks you require.

Centre coordinates for the Carrowkeale site is:

ITM – 594804, 650862

Irish Grid – 194854, 150830

Lat/Long - 52.608990, -8.0767021

Approximate Radius: 2.5km

Kind Regards,
Jonny.

Jonny Fearon
Environmental Scientist

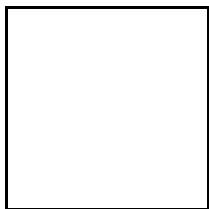
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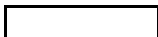


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Evan Connolly

From: Monika Biniaszewska <Monika.Biniaszewska@three.ie>
Sent: Tuesday 11 April 2023 10:14
To: Jonny Fearon; Sean Kelly; David Montgomery
Subject: RE: 230304-a WF Development at Carrowkeale, Co. Tipperary

Caution: This is an external email and may be malicious. Please take care when clicking links or opening attachments.

Hi Jonny,

We have two links which passes through this boundary. Details as follows:

Link no.	Link Ref	Freq.	Length	Site A	X	Y	Dish Height	Site B
1	19848	15GHz	15.2km	TP0127	186490	138904	30	TP0015
2	20172	11GHz	24.5km	TP0015	193834	152230	30	TP0141

Thanks
Monika

From: Jonny Fearon <jfearon@mkoireland.ie>
Sent: Thursday 6 April 2023 11:58
To: Monika Biniaszewska <Monika.Biniaszewska@three.ie>; Sean Kelly <Sean.Kelly2@three.ie>; David Montgomery <David.Montgomery@three.ie>
Subject: 230304-a WF Development at Carrowkeale, Co. Tipperary

CAUTION! External Email.

Hello,

We are looking at the potential for a wind farm development at Carrowkeale, Co. Tipperary. We don't have dimensions or a turbine layout yet, it is at the very early stages of a feasibility study. Please see kml, centre coordinates and a site location map attached. Can you let me know if you have links in the area and if so, what setbacks you require.

Centre coordinates for the Carrowkeale site is:

ITM – 594804, 650862

Irish Grid – 194854, 150830

Lat/Long - 52.608990, -8.0767021

Approximate Radius: 2.5km

Kind Regards,
Jonny.

Jonny Fearon
Environmental Scientist

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Evan Connolly

From: Marcin Skupski <Marcin.Skupski@viatel.com>
Sent: Thursday 6 April 2023 13:40
To: Jonny Fearon; Donna.Fairbrother@viatel.com_DL
Subject: RE: 230304-a WF Development at Carrowkeale, Co. Tipperary

Caution: This is an external email and may be malicious. Please take care when clicking links or opening attachments.

Hi Jonny,

This development is not affecting Viatel wireless infrastructure.

Thank You,

Marcin Skupski

Build & Maintenance Team Leader

M: +353 (0) 86 8320724

E: Marcin.Skupski@viatel.com



Connectivity is just the beginning.
Add cloud. Add communications. Add cybersecurity.



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From: Jonny Fearon <jfearon@mkoireland.ie>
Sent: Thursday, April 6, 2023 12:17 PM
To: Donna.Fairbrother@viatel.com_DL <Donna.Fairbrother@viatel.com>
Cc: Marcin Skupski <Marcin.Skupski@viatel.com>
Subject: 230304-a WF Development at Carrowkeale, Co. Tipperary

[CAUTION: External Email] Please verify sender & content before opening attachments or clicking on links.

Hello,

We are looking at the potential for a wind farm development at Carrowkeale, Co. Tipperary. We don't have dimensions or a turbine layout yet, it is at the very early stages of a feasibility study.

Please see kml, centre coordinates and a site location map attached. Can you let me know if you have links in the area and if so, what setbacks you require.

Centre coordinates for the Carrowkeale site is:

ITM – 594804, 650862

Irish Grid – 194854, 150830

Lat/Long - 52.608990, -8.0767021

Approximate Radius: 2.5km

Kind Regards,
Jonny.

Jonny Fearon
Environmental Scientist

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

Evan Connolly

From: Chris Stephenson, Vodafone (External) <chris.stephenson2@vodafone.com>
Sent: Thursday 6 April 2023 14:32
To: Jonny Fearon; Gavin Byrne, Vodafone
Cc: Sean Lyons, Vodafone (External)
Subject: RE: 230304-a WF Development at Carrowkeale, Co. Tipperary
Attachments: ScreenShot_06042023_14_22_16.png

Caution: This is an external email and may be malicious. Please take care when clicking links or opening attachments.

Hi Jonny,
Yes we have one link crossing this development, details below.
Kind regards
Chris

Link Name / ID	Band MHz\GHz	Link Length	Site A				
			Lat	Long	Easting	Northing	Ant Hei
TY035TYLSF_S0	26	8.09Km	052-37-17.56 N	008-12-41.54 W	185723.0	152233.0	15m

C2 General

From: Jonny Fearon <jfearon@mkoireland.ie>
Sent: Thursday 6 April 2023 12:20
To: Gavin Byrne, Vodafone <gavin.byrne@vodafone.com>
Cc: Chris Stephenson, Vodafone (External) <chris.stephenson2@vodafone.com>; Sean Lyons, Vodafone (External) <sean.lyons@vodafone.com>
Subject: 230304-a WF Development at Carrowkeale, Co. Tipperary

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Hello,

We are looking at the potential for a wind farm development at Carrowkeale, Co. Tipperary. We don't have dimensions or a turbine layout yet, it is at the very early stages of a feasibility study.
Please see kml, centre coordinates and a site location map attached. Can you let me know if you have links in the area and if so, what setbacks you require.

Centre coordinates for the Carrowkeale site is:
ITM – 594804, 650862
Irish Grid – 194854, 150830
Lat/Long - 52.608990, -8.0767021
Approximate Radius: 2.5km

Kind Regards,
Jonny.

Jonny Fearon
Environmental Scientist

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Evan Connolly

From: Chris Stephenson, Vodafone (External) <chris.stephenson2@vodafone.com>
Sent: Monday 24 April 2023 14:28
To: Jonny Fearon
Subject: RE: 230304-a WF Development at Carrowkeale, Co. Tipperary

Caution: This is an external email and may be malicious. Please take care when clicking links or opening attachments.

Hi Jonny,
For this link the setback would be 40 meters from tip of the blade.
Once we have the final positions of the turbine and blade length we can re – calculate if needed.

Kind regards
Chris

C2 General

From: Jonny Fearon <jfearon@mkofireland.ie>
Sent: Monday 24 April 2023 11:48
To: Chris Stephenson, Vodafone (External) <chris.stephenson2@vodafone.com>
Subject: RE: 230304-a WF Development at Carrowkeale, Co. Tipperary

This is an external email. Do you know who has sent it? Can you be sure that any links and attachments contained within it are safe? If in any doubt, use the Report Message button in your Outlook client to report this mail.

Hi Chris,

Thanks for that, what setback would Vodafone require from this link?

Kind Regards,
Jonny.

Jonny Fearon
Environmental Scientist

MKO

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From: Chris Stephenson, Vodafone (External) <chris.stephenson2@vodafone.com>
Sent: Thursday, April 6, 2023 2:32 PM
To: Jonny Fearon <jfearon@mkofireland.ie>; Gavin Byrne, Vodafone <gavin.byrne@vodafone.com>
Cc: Sean Lyons, Vodafone (External) <sean.lyons@vodafone.com>
Subject: RE: 230304-a WF Development at Carrowkeale, Co. Tipperary

Caution: This is an external email and may be malicious. Please take care when clicking links or opening attachments.

Hi Jonny,
Yes we have one link crossing this development, details below.
Kind regards
Chris

Link Name / ID	Band MHz\GHz	Link Length	Site A				
			Lat	Long	Easting	Northing	Ant Height
TY035TYLSF_S0	26	8.09Km	052-37-17.56 N	008-12-41.54 W	185723.0	152233.0	15m

C2 General

From: Jonny Fearon <jfearon@mkoireland.ie>
Sent: Thursday 6 April 2023 12:20
To: Gavin Byrne, Vodafone <gavin.byrne@vodafone.com>
Cc: Chris Stephenson, Vodafone (External) <chris.stephenson2@vodafone.com>; Sean Lyons, Vodafone (External) <sean.lyons@vodafone.com>
Subject: 230304-a WF Development at Carrowkeale, Co. Tipperary

Hello,

We are looking at the potential for a wind farm development at Carrowkeale, Co. Tipperary. We don't have dimensions or a turbine layout yet, it is at the very early stages of a feasibility study.
Please see kml, centre coordinates and a site location map attached. Can you let me know if you have links in the area and if so, what setbacks you require.

Centre coordinates for the Carrowkeale site is:

ITM – 594804, 650862

Irish Grid – 194854, 150830

Lat/Long - 52.608990, -8.0767021

Approximate Radius: 2.5km

Kind Regards,
Jonny.

Jonny Fearon
Environmental Scientist

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Evan Connolly

From: Westnet <info@westnet.ie>
Sent: Thursday 6 April 2023 12:47
To: Jonny Fearon
Subject: Re: 230304-a WF Development at Carrowkeale, Co. Tipperary [wn#139425]

Caution: This is an external email and may be malicious. Please take care when clicking links or opening attachments.

Hi Jonny,

We don't have any infrastructure in the vicinity that would be affected by the proposed development.

Jules

Westnet support

On Thu 6 Apr 2023, 11:22 Jonny Fearon <jfearon@mkoireland.ie> wrote:

Hello,

We are looking at the potential for a wind farm development at Carrowkeale, Co. Tipperary. We don't have dimensions or a turbine layout yet, it is at the very early stages of a feasibility study.

Please see kml, centre coordinates and a site location map attached. Can you let me know if you have links in the area and if so, what setbacks you require.

Centre coordinates for the Carrowkeale site is:

ITM - 594804, 650862

Irish Grid - 194854, 150830

Lat/Long - 52.608990, -8.0767021

Approximate Radius: 2.5km

--

Westnet Broadband Mayo Ltd t/a Westnet
PO Box 101, Castlebar DSU, Castlebar, Co Mayo
Registered in Ireland no. 572580
www.westnet.ie



Evan Connolly

From: Sarah Broughall <sarah@whizzyinternet.ie>
Sent: Tuesday 11 April 2023 11:09
To: Jonny Fearon
Subject: Re: 230304-a WF Development at Carrowkeale, Co. Tipperary

Caution: This is an external email and may be malicious. Please take care when clicking links or opening attachments.

Hi Jonny,

Many thanks for your email. We have no links in the mentioned areas above.

Regards,
Sarah.

On Thu, Apr 6, 2023 at 12:09 PM Jonny Fearon <jfearon@mkoireland.ie> wrote:

Hello,

We are looking at the potential for a wind farm development at Carrowkeale, Co. Tipperary. We don't have dimensions or a turbine layout yet, it is at the very early stages of a feasibility study.

Please see kml, centre coordinates and a site location map attached. Can you let me know if you have links in the area and if so, what setbacks you require.

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Kind Regards,

Jonny.

Jonny Fearon

Environmental Scientist

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