



APPENDIX 2-2

SCOPING RESPONSES

Orla Murphy

From: info@birdwatchireland.ie
Sent: Tuesday 3 December 2019 11:56
To: Orla Murphy
Subject: RE: 190301 - Scoping Document - Curraglass Renewable Energy Development

Hi Orla,
Thank you for your email which has been forwarded to our Policy officer .

Regards,
Michelle Kavanagh,
Membership Department.
BirdWatch Ireland
Unit 20 Block D | Bullford Business Campus | Kilcoole | Greystones | A63 RW83 | Co.Wicklow | Ireland
Tel: +353 (0)1 281 9878 email: mkavanagh@birdwatchireland.ie
Website: www.birdwatchireland.ie

BirdWatch Ireland - protecting wild birds and their habitats

BirdWatch Ireland - protecting birds and biodiversity

Cairde Éanlaith Éireann - ag caomhnú éin agus bithéagsúlacht

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

From: Orla Murphy [mailto:omurphy@mkoireland.ie]
Sent: Tuesday 3 December 2019 11:24
To: info@birdwatchireland.ie
Subject: 190301 - Scoping Document - Curraglass Renewable Energy Development

FAO Policy and Advocacy Team

Dear Mr O'Sullivan,

Please find attached a cover letter and Scoping Document for a proposed renewable energy development in the townlands of Cappaboy Beg, Derreendonee and Curraglass, Co. Cork.

As part of the scoping exercise for the proposed development, we would welcome any comments in relation to the proposed project.

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

Kind regards,

Órla



Órla Murphy B.Sc M.Sc
Environmental Scientist

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



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Orla Murphy

From: Roger Woods <rwoods@bai.ie>
Sent: Tuesday 3 December 2019 14:50
To: Orla Murphy
Subject: RE: 190301 - Scoping Document - Curraglass Renewable Energy Development

Hi Orla

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

Regards

Roger

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

Tel: 01 6441200
Fax: 01 6441299

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

From: Orla Murphy <omurphy@mkoireland.ie>
Sent: Tuesday 3 December 2019 11:21
To: Roger Woods <rwoods@bai.ie>
Subject: 190301 - Scoping Document - Curraglass Renewable Energy Development

Dear Mr Woods,

Please find attached a cover letter and Scoping Document for a proposed renewable energy development in the townlands of Cappaboy Beg, Derreendonee and Curraglass, Co. Cork.

As part of the scoping exercise for the proposed development, we would welcome any comments in relation to the proposed project.

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

Kind regards,

Comhairle Contae Chorcaí Cork County Council

Ms. Órla Murphy, BSc Msc,
McCarthy Keville O' Sullivan Ltd. (MKO),
MKO Tuam Road,
Galway,
Ireland,
H91 VW84.

Oifig an Innealtóra Ceantair,
An Chearnóg,
Arás Beanntraí,
Beanntraí,
Co. Chorcaí.
Fón: (027) 50058 • Facs: (027) 51165
Suíomh Gréasáin: www.corkcoco.ie
Area Engineer's Office,
The Square,
"Arás Beanntraí",
Bantry,
Co. Cork.
Tel: (027) 50058 • Fax: (027) 51165
Web: www.corkcoco.ie



Received

16 JAN 2020

190301

Orla Murphy

Date 14th January 2020

Your ref: 190301

Re: EIA Scoping Document for the Proposed Curraglass Renewable Energy Development, in the townlands of Cappaboy Beg, Dereendonee and Curraglass, Kealkill, Co. Cork

Dear Ms. Murphy,

I refer to your letter in relation to the EIA process pertaining to the above mentioned development. Cork County Council is not in the possession of baseline data for the site under consideration in your proposal.

I would recommend that from a roads perspective, cognisance of the following documents:

- The European Commission Guidelines – Environment Impact Assessment of Projects: Guidance on Preparation of the Environmental Impact Assessment Report, 2017
- Environmental Impact Assessment of National Road Schemes – A Practical Guide (Transport Infrastructure Ireland (TII), formerly NRA, 2008)
- Traffic and Transport Assessment Guidelines (Transport Infrastructure Ireland (TII), formerly NRA, 2014)

The assessment should focus on the effects of increased traffic on the regional road network during construction of the development and also the post construction situation.

Construction traffic should be managed through a Construction Traffic Management Plan which should be submitted as part of the application. The Construction Management Plan should consider HGV trips with abnormal loads, in particular, to ensure that these do not have a negative impact on traffic using the regional road.

I note from the Scoping Report submitted with your letter, that 'Chapter 14: Material Assets – Traffic and Transportation' will form part of the proposed EIAR. Once the EIAR has been received as part of the planning application, it will be assessed by the Roads Department and any comments will form part of the formal engineering report on the application.

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

Yours sincerely,



Ruth O' Brien, BE MA HDip MIEI

Senior Executive Engineer

Cork County Council

Roads Department

Aras Beantraí, Bantry, Co Cork

 027-50058  027-51165

 ruth.obrien@corkcoco.ie

Orla Murphy

From: Environmental Co-ordination (Inbox) <Environmental_Co-ordination@agriculture.gov.ie>
Sent: Friday 31 January 2020 16:25
To: Orla Murphy
Subject: 190301 - Scoping Document - Curraglass Renewable Energy Development

Dear Orla

I refer to your recent correspondence concerning the above and please find comments from the Department of Agriculture, Food & the Marine below;

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

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

The developer should take note of the contents of **Felling and Reforestation Policy** document which provide a consolidated source of information on the legal and regulatory framework relating to tree felling; <https://www.agriculture.gov.ie/media/migration/forestry/tree-felling/FellingReforestationPolicy240517.pdf>. As this development is within a forest lands, particular attention should be paid to deforestation, turbulence felling and the requirement to afforest alternative lands.

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

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

1. The interaction of these proposed works with the environment locally and more widely, in addition to potential direct and indirect impacts on designated sites and water, is assessed. Consultation with relevant environmental and planning authorities may be required where specific sensitivities arise (e.g. local authorities, National Parks & Wildlife Service, Inland Fisheries Ireland, and the National Monuments Service);

2. Where a tree Felling Licence application is received, the Department will publish a notice of the application before making a decision on the matter. The notice shall state that any person may make a submission to the Department within 30 days from the date of the notice. The notices for 2019 are published online at:
<https://www.agriculture.gov.ie/forests-service/public-consultation/environmental-impact-assessment-eia-public-consultation-for-afforestation-forest-road-construction-and-felling-licences-2019/>
3. Third parties that make a submission or observation will be informed of the decision to grant or refuse the licence, and on request, details of the conditions attached to the licence, the main reasons and considerations on which the decision to grant or refuse the licence was based, and where conditions are attached to any licence, the reasons for the conditions. Both third parties and applicants will be also informed of their right to appeal any decision within 28 days to the Forestry Appeals Committee. Felling Licence decisions for 2019 are published online at:
<https://www.agriculture.gov.ie/forests-service/public-consultation/environmental-impact-assessment-2019-register-of-decisions/>

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

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

and replanting of trees, deforestation for the purposes of conversion to another type of land use, or replacement of broadleaf high forest by conifer species.

Kind regards

Cathy Hewitt

Executive Officer

An tAonad um Chomhordú Timpeallachta, An Rannóg um Athrú Aeráide agus Beartas Bithfhuinnimh,

Environmental Co-ordination Unit | Climate Change & Bioenergy Policy Division |

An Roinn Talmhaíochta, Bia agus Mara

Department of Agriculture, Food and the Marine

Pailliún A, Páirc Gnó Grattan, Bóthar Átha Cliath, Port Laoise, Co Laoise, R32 K857

Pavilion A, Grattan Business Park, Dublin Road, Portlaoise, Co Laois, R32 K857

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Disclaimer:

Department of Agriculture, Food and the Marine

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An Roinn Talmhaíochta, Bia agus Mara

Tá an t-eolais san ríomhphost seo, agus in aon ceanglán leis, faoi phribhléid agus faoi rún agus le h-agmaigh an seolaí amháin. D'fhéadfadh ábhar an seoladh seo bheith faoi phribhléid profisiúnta nó dlíthiúil. Mura tusa an seolaí a bhí beartaithe leis an ríomhphost seo a fháil, tá cosc air, nó aon chuid de, a úsáid, a chóipeál, nó a scaoileadh. Má tháinig sé chugat de bharr dearmad, téigh i dteagmháil leis an seoltóir agus scríos an t-ábhar ó do ríomhaire le do thoil.

Orla Murphy

From: Manager DAU <Manager.DAU@chg.gov.ie>
Sent: Tuesday 3 December 2019 13:18
To: Orla Murphy
Subject: DAU Ref: G Pre00306/2019 RE: 190301 - Scoping Document - Curraglass Renewable Energy Development

Our Ref: G Pre00306/2019 (Please quote in all related correspondence)

A Chara

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

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

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

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

Kind Regards
Sinéad

—
Sinéad O' Brien
Executive Officer

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

Aonad na nIarratas ar Fhorbairt
Development Applications Unit

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

—
T: +353 (0)53 9117528
manager.dau@chg.gov.ie
www.chg.gov.ie
—

From: Orla Murphy [mailto:omurphy@mkoireland.ie]
Sent: Tuesday 3 December 2019 11:36

To: Manager DAU <Manager.DAU@chg.gov.ie>

Subject: 190301 - Scoping Document - Curraglass Renewable Energy Development

Dear Sir or Madam,

Please find attached a cover letter and Scoping Document for a proposed renewable energy development in the townlands of Cappaboy Beg, Derreendonee and Curraglass, Co. Cork.

As part of the scoping exercise for the proposed development, we would welcome any comments in relation to the proposed project.

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

Kind regards,

Órla



Órla Murphy B.Sc M.Sc
Environmental Scientist

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

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Your Ref: Curraglass Renewable Energy
Our Ref: **G Pre00306/2019**
(Please quote in all related correspondence)

04/02/20

Block 1, G.F.S.C.
Moneenageisha Road
Galway
Via email

Re: Curraglass Renewable Energy

A chara

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

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

Archaeology

Further to your recent submission of EIAR scoping documents in advance of the preparation of an EIAR and planning application in relation to the above-proposed wind farm development, the Department of Culture, Heritage and the Gaeltacht notes that your client has retained the services of Tobar Archaeological Consultancy to carry out the Archaeological, Architectural and Cultural Heritage Impact Assessment (AACHIA) of the proposed development site (PDS) as part of the EIAR (as outlined in Section 6.2.4.13). In this regard this office awaits the results and submission of the AACHIA before providing detailed recommendations in relation to the same.

The Department would like to advise that, the proposed development site (PDS) appears to contain within it a number of known Recorded Monuments and/or Archaeological sites that shall be assessed as part of the overall AACHIA. However the PDS itself is located within a wider area of known archaeological settlement and activity (NMS initial review of the Record of Monuments and Places, www.archaeology.ie and cartographic sources). All of 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 (Amendment) Act 1930-2004. In light of this, this office recommends that the AACHIA also include an assessment of the proposed development on the wider archaeological landscape – with particular reference to the proposed increased hub-height of the turbines and their visual impact on the wider archaeological landscape. In this regard it should be noted that prehistoric monuments such as Standing Stone Alignments, Standing Stone Rows, Single Standing Stones, as well as some megalithic tombs, are often aligned with physical features in the landscape and/or solar or lunar events. As a



result, the erection of wind turbines 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. It is in this regard that the Department strongly recommends that such impacts also be assessed as part of the AACHIA.

In addition to the above, the Department considers the proposed development to be large-in-scale (in terms of linear development and groundworks required), and as such it is possible that hitherto previously unrecorded subsurface archaeological features may be encountered during the course of the groundworks required for turbine construction, cable trenches and associated works. Therefore the Department recommends that a programme of Archaeological Testing be carried out as part of the overall AACHIA – in advance of a planning submission – as this will facilitate the formulation of an appropriate archaeological mitigation strategy should the need arise.

Requirements of the CHAIA

The applicant is required to engage the services of a suitably qualified, licenced Archaeologist to assess (as part of the AACHIA) the archaeological impacts of the proposed development and carry out a programme of Archaeological Test Excavations across the proposed development site (PDS). No sub-surface work shall be undertaken in the absence of the archaeologist without his/her express consent. Please allow 5-6 weeks to facilitate the processing of an archaeological and geophysical licence. This assessment shall include:

1. The archaeologist shall inspect the PDS, detail the historical and archaeological background of the area to be developed, and review all cartographic sources and aerial photographs/digital imagery with a view to assessing possible archaeological impacts.
2. It is strongly recommended that no direct impacts occur on known Recorded Monuments and the proposed development should be modified to allow for an adequate buffer zones around any Recorded Monuments.
3. The archaeologist shall then excavate test trenches at locations chosen by the archaeologist, having consulted the site plans, in liaison with the Licensing Section of NMS. Excavation is to take place to the uppermost archaeological horizons only, where they survive. Where archaeological material is shown to be present, the archaeologist shall stop works pending further advice from the NMS. Please note that all features/archaeological surfaces within the test trenches are to be hand-cleaned and clearly visible for photographic purposes.
4. Having completed the work, the archaeologist shall submit a written report to the Department outlining the results of the AACHIA and Test Excavations. The report shall comment on the degree to which the extent, location and levels of all proposed foundation trenches, cable trenches, excavations for substations, and other sub-surface works required for the development will affect the archaeological remains. This should be illustrated with appropriate plans, sections, etc.



5. Where archaeological material is shown to be present, further mitigatory measures will be required; these may include redesign/relocation (in whole or in part) to allow for preservation in situ, and/or additional excavations and/or monitoring. The Department will advise the Local Authority and the applicant's consultant archaeologist with regard to these matters.

Reason: To ensure the continued preservation (either in situ or by record) of places, caves, sites, features or other objects of archaeological interest.

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

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

Is mise, le meas

Connor Rooney
Development Applications Unit

Orla Murphy

From: PropertyManagementPlanning <PropertyManagementPlanning@defence.ie>
Sent: Tuesday 10 December 2019 09:29
To: Orla Murphy
Subject: FW: 190301 - Scoping Document - Curraglass Renewable Energy Development
Attachments: 190301 - EIAR SD - 2019.11.21 - F2 - For Email.pdf; Letter to Consultee - Dept. of Defence.pdf

Hi Orla,

Please add to point 3 in previous email. Apologies for the omission.

Obstruction lights used should be incandescent or of a type visible to Night Vision Equipment. Obstruction lighting fitted to obstacles must emit light at the near Infra-Red (IR) range of the electromagnetic spectrum specifically at or near 850nanometres (nm) of wavelength. Light intensity to be of similar value to that emitted in the visible spectrum of light. Obstruction lights used should be incandescent or of a type visible to Night Vision Equipment.

*Kind Regards,
Geraldine*

Geraldine Cunningham

Property Management Branch

An Roinn Cosanta

Department of Defence

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

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

T +353 (0)45 492036

geraldine.cunningham@defence.ie

From: PropertyManagementPlanning
Sent: 10 December 2019 09:22
To: 'omurphy@mkoireland.ie' <omurphy@mkoireland.ie>
Subject: 190301 - Scoping Document - Curraglass Renewable Energy Development

Hi Orla,

The Military have made the following observations regarding this development:

Please add the following.

In all locations where wind farms are permitted it should be a condition that they meet the following lighting requirements -

1. Single turbines or turbines delineating corners of a windfarm should be illuminated by high intensity strobe lights (Red).
2. Obstruction lighting elsewhere in a windfarm will be of a pattern that will allow the hazard be identified and avoided by aircraft in flight.
3. Obstruction lights used should be incandescent or of a type visible to Night Vision Equipment.

Please forward the assessment when it is completed.

*Kind Regards,
Geraldine*

Geraldine Cunningham

Property Management Branch

—

An Roinn Cosanta

Department of Defence

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

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

—

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geraldine.cunningham@defence.ie

—

From: Olive.Mulhall

Sent: 03 December 2019 12:40

To: PropertyManagementPlanning <PropertyManagementPlanning@defence.ie>

Subject: FW: 190301 - Scoping Document - Curraglass Renewable Energy Development

Folks,

Please see below for your attention.

Regards,
Olive

Olive Mulhall

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 492189

E-mail: olive.mulhall@defence.ie

From: Orla Murphy <omurphy@mkoireland.ie>
Sent: 03 December 2019 11:32
To: Olive.Mulhall <Olive.Mulhall@defence.ie>
Subject: FW: 190301 - Scoping Document - Curraglass Renewable Energy Development

Dear Olive,

Please find attached a cover letter and Scoping Document for a proposed renewable energy development in the townlands of Cappaboy Beg, Derreendonee and Curraglass, Co. Cork.

As part of the scoping exercise for the proposed development, we would welcome any comments in relation to the proposed project.

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

Kind regards,

Órla



Órla Murphy B.Sc M.Sc
Environmental Scientist

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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.

Orla Murphy

From: planning applications <planning.applications@failteireland.ie>
Sent: Monday 23 December 2019 12:11
To: Orla Murphy
Subject: RE: 190301 - Scoping Document - Curraglass Renewable Energy Development
Attachments: Fáilte Ireland EIAR Guidelines.pdf

Hello Orla,

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

Yvonne Jackson

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



From: Orla Murphy <omurphy@mkoireland.ie>
Sent: 03 December 2019 11:38 AM
To: planning applications <planning.applications@failteireland.ie>
Subject: 190301 - Scoping Document - Curraglass Renewable Energy Development

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Dear Sir or Madam,

Please find attached a cover letter and Scoping Document for a proposed renewable energy development in the townlands of Cappaboy Beg, Derreendonee and Curraglass, Co. Cork.

As part of the scoping exercise for the proposed development, we would welcome any comments in relation to the proposed project.

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

Kind regards,

Órla



Fáilte Ireland
National Tourism Development Authority

EIAR Guidelines for the Consideration of Tourism and Tourism Related Projects



An tÚdarás Náisiúnta Forbartha Turasóireachta
Áras Fáilte, 88–95 Sráid Amiens
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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 Cunnane Stratton Reynolds on behalf of Fáilte Ireland to update their EIA guidelines in line with changes in legislative 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 **€8.4 billion**, and exchequer revenue of **€1.78 billion** in 2018, which helps fund other key public services.

In 2018 Ireland welcomed **10.6 million overseas visitors**.

Fáilte Ireland is the National Tourism Development Authority. 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 Draft guidelines on the information to be contained in Environmental Impact Assessment Reports in August 2017. At the time of this document the guidelines have not been adopted from draft.

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, which this document should be read in conjunction with and used as supplementary guidance to. 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.

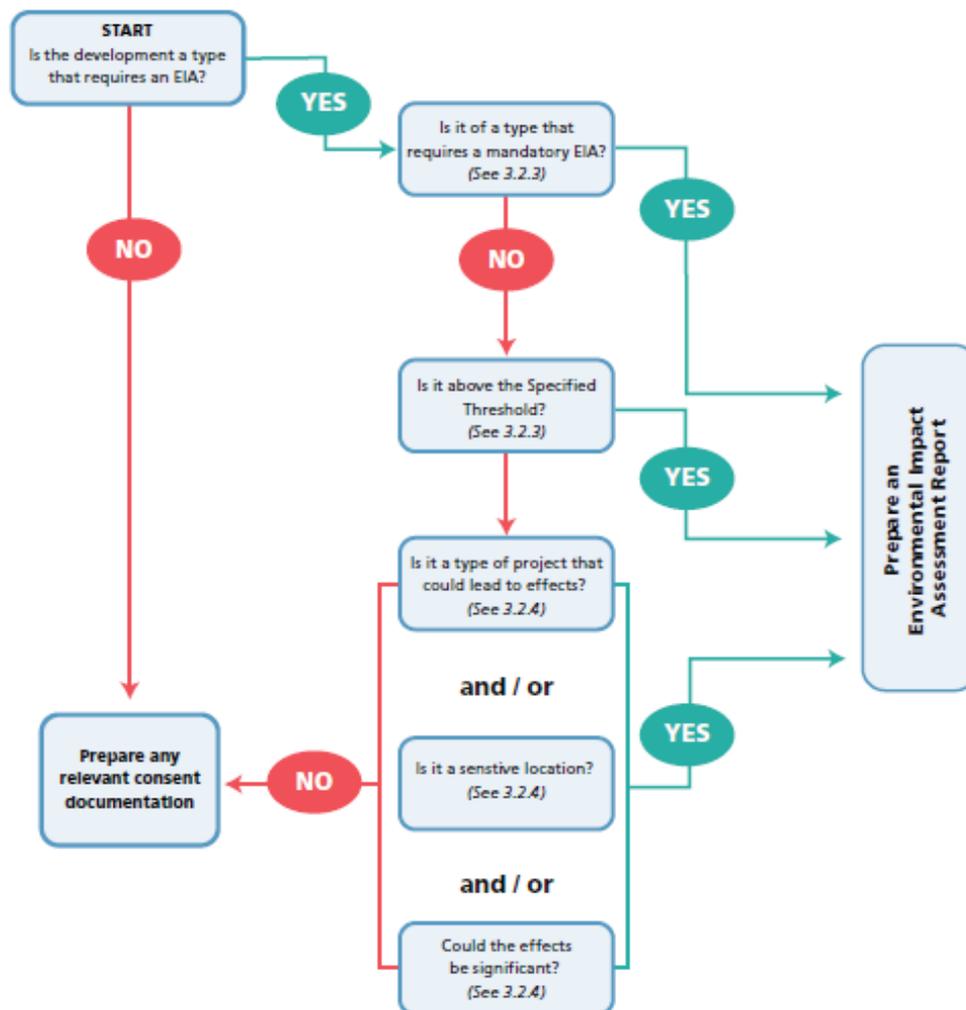
Screening

Through EIAR 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 do 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 below 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 will still be a requirement for an EIAR for that development.

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 - forest trails, 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 have potential 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 2018 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 Draft 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 (eg. 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;
- impact assessment;
- cumulative impact
- interaction of impacts
- mitigation.

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 alternatives is a requirement of EIAR

Where tourism projects are location dependent the assessment of alternatives should consider alternative methods and technologies, detail the key considerations culminating in the selection of the 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 developer is expected to consider reasonable alternatives. What is considered reasonable may vary from case to case.

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 dependant on its **Context, Character, Significance, and Sensitivity**, as outlined in the Draft 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. Where possible the value of the contribution of such tourism assets and activities to the local economy should 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 Draft 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 assets under the 'material assets' topic 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.

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

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. 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 activity proposed and sensitivity of the location.

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 but is generally not kept in situ except in key cases which could also be considered under cultural heritage.

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 are utilities and infrastructure. Tourism itself could be considered a material asset as its impact upon the economy and the infrastructure in place to support it is a material consideration in assessing economic impact.

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 Effects

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 EIAR Screening Report.

Mitigation

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.

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.

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, briefing papers and reports and visitor feedback. The Fáilte Ireland website has a dedicated research library which 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 Authorities

Regional Authorities 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.



MKO
Tuam Road
H91 VW84
County Galway

10 December 2019

Re: EIA Scoping Document for the proposed Curraglass Renewable Energy Development in the townlands of Cappaboy Beg, Derreendonee and Curraglass, Co. Cork

Your Ref: 190301

Our Ref: 19/266

Órla, a chara,

With reference to your email received on 03 December 2019, concerning the EIA Scoping Document for the proposed Curraglass Renewable Energy Development in the townlands of Cappaboy Beg, Derreendonee and Curraglass, Co. Cork, Geological Survey Ireland (a division of Department of Communications, Climate Action and Environment) would like to make the following comments:

Geological Survey Ireland is the national earth science agency and has datasets on Bedrock Geology, Quaternary Geology, Geological Heritage Sites, Mineral deposits, Groundwater Resources and the Irish Seabed. These comprise maps, reports and extensive databases that include mineral occurrences, bedrock/mineral exploration groundwater/site investigation boreholes, karst features, wells and springs. Please see our [website](#) for data availability and we recommend using these various data sets, when undergoing the planning and scoping processes. Geological Survey Ireland should be referenced to as such and should any data or geological maps be used, they should be attributed correctly to Geological Survey Ireland.

Geoheritage

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

County Geological Sites (CGS), as adopted under the National Heritage Plan are now included in County Development Plans and in the GIS of planning departments, to ensure the recognition and appropriate protection of geological heritage within the planning system. CGSs can be viewed online under the Geological Heritage tab on the online [Map Viewer](#). Though the audit for Co. Cork has not yet been completed, **our records show that there is an unaudited CGS from the national Master List of CGSs located within the townland of Derreendonee:**

Pass of Keimaneigh, Co. Cork, (GR 110000 640000), under IGH theme 7: Quaternary Spillway (former glacial meltwater channel) of Quaternary age.

With the current plan, there is no envisaged impact on the integrity of CGSs by the proposed developments. However, if the proposed development plan is altered, please contact Clare Glanville (Clare.Glanville@gsi.ie) for further information and possible mitigation measures if applicable.

Groundwater

Groundwater is important as a source of drinking water, and it supports river flows, lake levels and ecosystems. It contains natural substances dissolved from the soils and rocks that it flows through, and can also be tainted by human actions on the land surface. As a clean, but vulnerable, resource, groundwater needs to be understood, managed and protected. Through our [Groundwater Programme](#), Geological Survey Ireland provides advice and maps to members of the public, consultancies and public bodies about groundwater quality, quantity, distribution and vulnerability. Geological Survey Ireland monitors groundwater nationwide by characterising



aquifers, investigating karst landscapes and landforms and by helping to protect public and group scheme water supplies. With regard to Flood Risk Management, there is a need to identify areas for integrated constructed wetlands. We recommend using the GSI's National Aquifer and Recharge maps on our [Map viewer](#) to this end.

Geohazards

Geohazards can cause widespread damage to landscapes, wildlife, human property and human life. In Ireland, landslides are the most prevalent of these hazards. **Landslides are possible in areas of peat land, areas which cover the townlands of Cappaboy Beg, Derreendonee and Curaglass.** Geological Survey Ireland has information available on past landslides, for viewing on our website and as a layer on our [Map Viewer](#). Geological Survey Ireland also engages in national projects such as Landslide Susceptibility Mapping and GWflood Groundwater Flooding, and in international projects, such as the Tsunami Warning System, coordinated by the Intergovernmental Oceanographic Commission of UNESCO. We recommend that geohazards be taken into consideration, especially when developing areas where these risks are prevalent, and we encourage the use of our data when doing so.

Geothermal Energy

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

Natural Resources (Minerals/Aggregates)

Geological Survey Ireland is of the view that the sustainable development of our natural resources should be an integral part of all development plans from a national to regional to local level to ensure that the materials required for our society are available when required. Geological Survey Ireland highlights the consideration of mineral resources and potential resources as a material asset which should be explicitly recognised within the environmental assessment process. Geological Survey Ireland provides data, maps, interpretations and advice on matters related to minerals, their use and their development in our [Minerals section](#) of the website. The Active Quarries, Mineral Localities and the Aggregate Potential maps are available on our [Map Viewer](#).

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

Le meas,

Amrine Dubois Gafar
Geoheritage Programme

Órla Murphy

From: Orla Murphy
Sent: Friday 3 January 2020 12:41
To: 'Andrew.Wilson@irishrail.ie'
Subject: RE: FAO Órla Murphy.

Hi Andrew,

Happy New Year and many happy returns.

Thanks for coming back to me. Scoping documents are sent to consultees where there may be an interest in the project because of the location of the development, so this is why Irish Rail was included within the recipient list.

If there are no disused or abandoned railway lines in the area concerned and you do not need to make any further comments on the development, then I can exclude you from any further correspondence.

Regards

Órla



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From: Wilson Andrew <Andrew.Wilson@irishrail.ie>
Sent: 24 December 2019 11:00
To: MKO-Admin <info@mkoireland.ie>
Subject: FAO Órla Murphy.

Hello Órla. I received the attached letter via our Athlone Office. Can you advise why you are contacting Irish Rail re this matter? I am not aware of any disused or abandoned railway line in the area concerned.

Kind regards,

Andrew Wilson.

Senior Track & Structures Engineer,
STSE Office,
Iarnród Éireann,
Limerick Junction Railway Station,
Limerick Junction,
Co. Tipperary.
E34 E984

Órla Murphy

Subject: FW: Proposed Curraghglass Renewable Energy Development FAO: Orla Murphy

From: Michael McPartland <Michael.McPartland@fisheriesireland.ie>

Sent: 02 January 2020 15:50

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

Subject: Proposed Curraghglass Renewable Energy Development FAO: Orla Murphy

Orla

Thank you for your letter of 4th December.

With respect to the proposed windfarm development IFI would ask:

- (a) There be no drainage or other physical interference with the bed or bank of any watercourse without prior consultation with IFI.
- (b) Suspended solids and or hydrocarbon contaminated site run-off waters are controlled adequately so that no pollution of surface waters can occur. More specifically IFI feels the following issues should be addressed
 - i. Identifying and zoning the project for environmental impact should a peat slip occur
 - ii. Setting out contingency plan should a peat movement occur.
 - iii. Setting out a plan for the control of silt in such a scenario, including measures to be put in place at the initial stages of construction.
- (c) In the event of any watercourse crossings being bridged or culverted the following general criteria should apply,
 - (i) The free passage of fish must not be obstructed.
 - (ii) The original slope of the river bed should be maintained with no sudden drops on the downstream side.
 - (iii) Bridges are preferable to culverts.
 - (iv) In the event of a crossing being in excess of 1ft in width IFI should be consulted prior to works commencing.
 - (v) All instream works should be carried out only in the April-September period.

Michael Mc Partland
Senior Fisheries Environmental Officer.

Iascach Intíre Éireann
Inland Fisheries Ireland

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Help Protect Ireland's Inland Fisheries

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D'fhéadfaí go bhfuil an ríomhphost seo agus ceangaltáin ar bith atá in éineacht leis faoi rún agus iad beartaithe d'úsáid an duine a bhfuil a s(h)eoladh air amháin. Deartháí nó tuairimí ar bith atá curtha in iúl ann, baineann siad leis an údar amháin, agus ní chaithfidh go n-aontaíonn lascaigh Intíre Éireann leo. Mura tusa faighteoir beartaithe an ríomhphoist seo, ná déan rud ar bith mar gheall ar an méid atá ann, ná é a chóipeáil ná é a thaispeáint do dhuine ar bith eile. Déan teagmháil leis an seoltóir, le do thoil, má chreideann tú go bhfuair tú an ríomhphost seo trí earráid.

Órla Murphy

Subject: FW: Curraglass Renewable Energy Development

From: Planning <planning@iaa.ie>
Sent: Friday 8 May 2020 14:56
To: Órla Murphy <omurphy@mkoireland.ie>
Subject: FW: Curraglass Renewable Energy Development

Dear Ms. Murphy,

Thank you for your email and the submitted proposed coordinates in relation to the Curraglass Renewable Energy Development in Co. Cork.

Based on the information provided previously and the advised coordinates, the Authority can continue to confirm it has no specific requirements for integration within the EIAR.

During the formal planning process, the Authority will likely furnish the general observations in relation to the requirement to mark and light of the wind farm, the requirement to submit as constructed coordinates to allow for appropriate promulgation of aeronautical information and to engage with the Authority with at least 30 days notification of any crane operations to construct the wind farm, should planning be granted.

Kind Regards

Audrey Rafferty
Corporate Affairs
Irish Aviation Authority
The Times Building
11-12 Dolier Street
Dublin 2
Ph:01 6031103

=====

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Órla Murphy

From: Órla Murphy
Sent: Thursday 7 May 2020 17:16
To: O'BRIEN Christophe
Cc: Planning
Subject: RE: Curraglass Renewable Energy Development

Hi Christophe,

Many thanks

I had been advised at the beginning of the year that there would be no specific requirements in relation to the development of the EIAR based on the approximate location from the scoping submitted and observations would relate to lighting etc. I had taken this as confirmation to continue with the layout for submission so hopefully there are no issues.

Thanks

Órla



Órla Murphy B.Sc M.Sc
Project Environmental Scientist

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



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From: O'BRIEN Christophe <Christophe.O'BRIEN@IAA.ie>
Sent: Thursday 7 May 2020 17:12
To: Órla Murphy <omurphy@mkoireland.ie>
Cc: Planning <planning@iaa.ie>
Subject: RE: Curraglass Renewable Energy Development

Thank you for the update Órla.

We will review and revert as soon as practicable.

Regards,

Christophe

From: Órla Murphy <omurphy@mkoireland.ie>
Sent: Thursday 7 May 2020 17:11
To: O'BRIEN Christophe <Christophe.O'BRIEN@IAA.ie>
Cc: Planning <planning@iaa.ie>
Subject: RE: Curraglass Renewable Energy Development

Hi Christophe,

The application will hopefully be lodged in the next few weeks to the local authority.

Regards

Órla



Órla Murphy B.Sc M.Sc
Project Environmental Scientist

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From: O'BRIEN Christophe <Christophe.O'BRIEN@IAA.ie>
Sent: Thursday 7 May 2020 17:09
To: Órla Murphy <omurphy@mkoireland.ie>
Cc: Planning <planning@iaa.ie>
Subject: RE: Curraglass Renewable Energy Development

Good afternoon Orla,

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

Can you please advise at what stage of process you are in terms of this development? Is this still pre-planning or has an application been lodged?

Best Regards,

Christophe

Christophe O'Brien

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



From: Órla Murphy <omurphy@mkoireland.ie>
Sent: 07 May 2020 15:34
To: RAFFERTY Audrey <audrey.rafferty@iaa.ie>
Subject: FW: Curraglass Renewable Energy Development

Hi Audrey,

Further to your response below, please see attached proposed turbine coordinates. As noted in my previous correspondence, the turbines have a proposed maximum tip height of 178.5m.

In regard contour data, I am unable to send this at present. The file is very large and is proving difficult to reduce.

Regards

Órla



Órla Murphy B.Sc M.Sc
Project Environmental Scientist

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From: Orla Murphy
Sent: Tuesday 28 January 2020 11:48
To: RAFFERTY Audrey <audrey.rafferty@iaa.ie>
Subject: RE: Curraglass Renewable Energy Development

Hi Audrey,

Thanks for your email and confirmation that the IAA will issue the same observations as is standard for a wind farm project. I will send on the details when they are available.

Many thanks

Órla



Órla Murphy B.Sc M.Sc
Environmental Scientist

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From: RAFFERTY Audrey <audrey.rafferty@iaa.ie>
Sent: Wednesday 22 January 2020 12:43
To: Orla Murphy <omurphy@mkoireland.ie>
Subject: Curraglass Renewable Energy Development

Dear Orla

Thanks you for your letter please can you sent us layout, contours and provided when available. The Authority can advise that it has no specific requirements in relation to the development of the EIAR based on the approximate location based on the information submitted and will furnish the usual observations during the planning process relating to the construction of the windfarm, concerning the need for an obstacle lighting scheme, 30 days notification in relation to crane operations and submission of as constructed coordinates.

Kind Regard

Audrey
Irish Aviation Authority
The Times Building
11-12 Dolier Street
Dublin 2

=====

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Deirdre Forrest
Irish Aviation Authority,
The Times Building,
11-12 D'Olier Street,
Dublin 2
D02 T449

Our Ref: 190301
Your Ref:

8th January 2020

Re: The site of the proposed development was an operational 10 turbine wind farm up to June 2018. Wingleaf Ltd. is now seeking to optimize the site with a renewable energy development comprising approximately 7 turbines at the site with a maximum tip height of up to 180 metres at townlands of Cappaboy Beg, Derreendonee and Curraglass, located approximately 5.6km northeast of Kealkill and 5.5km southwest of the village of Ballingearry, co. Cork. Ref: 190301

Dear Deirdre,

I refer to your correspondence on the 23rd December 2019 in regard to the proposed Curraglass Renewable Energy Development.

Information on the previous development at the site can be found under Pl. Ref.: W/OO/6590 through Cork County Council planning department website. The relevant planning reference under An Bord Pleanála is PL 04.127297.

In regard to turbine locations, I cannot send on this detail yet as there is continuous survey work happening at the site, and this may in turn alter the layout. Once this is final I will forward on the remaining information you require that is noted in your correspondence. Do note that the tip height from ground elevation to blade tip will be no more than 180m.

You may want to respond to this letter via email so that I can send you on the layout, contours, etc. once finalised - omurphy@mkoireland.ie

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

Yours sincerely,

A handwritten signature in black ink, appearing to read 'Órla Murphy'.

Órla Murphy
Environmental Scientist



Irish Aviation Authority
The Times Building
11-12 D'Olier Street
Dublin 2, D02 T449,
Ireland

Údarás Eitlíochta na hÉireann
Foirgneamh na hAmanna
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Baile Átha Cliath 2, D02 T449,
Éire

T: +353 1 671 8655
F: +353 1 679 2934
www.iaa.ie



Date 23th December 2019

Ms Orla Murphy
MKO
Tuam Road
Co Galway
H91 VW84

Development: The site of the proposed development was an operational 10 turbine wind farm up to June 2018. Wingleaf Ltd. is now seeking to optimize the site with a renewable energy development comprising approximately 7 turbines at the site with a maximum tip height of up to 180 metres at townlands of Cappaboy Beg, Derreendonee and Curraglass, located approximately 5.6km northeast of Kealkill and 5.5km southwest of the village of Ballygeary, Co. Cork. Ref: 190301

Dear Orla,

Can you please provide the previous planning reference for the lapsed permission with regard to the proposed Curraglass Renewable Energy Development.

Additionally, the Authority would request the following information is supplied:

- WGS-84 co-ordinates of each turbine;
- Ground elevation of each turbine (Malin Head OD);
- Blade tip elevation of each turbine (Malin Head OD);
- Height of turbine (from ground elevation to blade tip);
- OS Contour maps of the site, both scale 1:50,000 and 1:12,500, showing the location of each turbine.

Turbine No.	WGS-84 Co-ordinates	Ground elevation (Malin Head OD)	Blade tip elevation of turbine (Malin Head OD)	Height of turbine (height from ground level to blade tip)	Confirm if turbine has obstacle lighting.
T1	53.346125, -6.258288	75m	225m	150m	No

Received

03 JAN 2020

190301

J. Murphy

Bord Stiúir/Board of Directors
Michael McGrail (Cathaoirleach/Chairperson),
Peter Kearney (Príomhfeidhmeannach/Chief Executive)
Cian Blackwell, Marie Bradley, Ernie Donnelly,
Gerry Lumsden, Joan McGrath, Eimer O'Rourke

Oifig Chláraithe:
Foirgneamh na hAmanna, 11-12 Sráid D'Olier
Baile Átha Cliath 2, D02 T449, Éire
Uimhir Chláraithe: 211082. Áit Chláraithe: Éire
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This will allow the Authority to consider the potential impact of the development and furnish observations.

Yours sincerely

A handwritten signature in black ink, appearing to read "D. Forrest", written over a horizontal line.

Deirdre Forrest
Corporate Affairs



Our Ref: 19_IW_EIAR_35

Orla Murphy,
MKO,
Tuam Road,
Galway,
H91 VW84

Uisce Éireann
Bosca OP 6000
Baile Átha Cliath 1
Éire

Irish Water
PO Box 6000
Dublin 1
Ireland

T: +353 1 89 25000
F: +353 1 89 25001
www.water.ie

16th January 2020

Re: Proposed Curraglass Renewable Energy Development, Co. Cork

Dear Sir/Madam,

Irish Water (IW) acknowledges receipt of your letter on the 3rd December 2019 regarding the Environmental Impact Assessment Report (EIAR) scoping for the proposed Curraglass Renewable Energy Development, in the townlands of Cappaboy Bed, Derreendonee and Curraglass Co. Cork.

Please see attached our suggested scope in relation to Water Services.

Yours sincerely,

Maria O'Dwyer
Connections and Development Services

Response to EIAR Scoping Report Requests

IW currently does not have the capacity to advise on scoping of individual projects. However, in general we would like the following aspects of Water Services to be considered in the scope of an EIAR where relevant;

- a) Impacts of the development on the capacity of water services (do existing water services have the capacity to cater for the new development if required).
- b) Any up-grading of water services infrastructure that would be required to accommodate the development.
- c) In relation to a development that would discharge trade effluent – any upstream treatment or attenuation of discharges required prior to discharging to an IW collection network
- d) In relation to the management of surface water; the potential impact of surface water discharges to combined sewer networks & potential measures to minimise/stop surface waters from combined sewers
- e) Any physical impact on IW assets – reservoir, treatment works, pipes, pumping stations, discharges outfalls etc. including any relocation of assets
- f) Any potential impacts on the assimilative capacity of receiving waters in relation to IW discharge outfalls including changes in dispersion /circulation characterises
- g) 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 IW for public supply.
- h) Where a development proposes to connect to an IW network and that network either abstracts water from or discharges waste water to a “protected”/sensitive area, consideration as to whether the integrity of the site/conservation objectives of the site would be compromised.
- i) Mitigation measures in relation to any of the above

This is not an exhaustive list.

Please note

- 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 to assess feasibility of connection prior to applying for planning permission.
- Irish Water will not normally accept new surface water discharges to combined sewer networks

Orla Murphy

From: RAFFERTY Audrey <audrey.rafferty@iaa.ie>
Sent: Wednesday 22 January 2020 12:43
To: Orla Murphy
Subject: Curraglass Renewable Energy Development

Dear Orla

Thanks you for your letter please can you sent us layout, contours and provided when available. The Authority can advise that it has no specific requirements in relation to the development of the EIAR based on the approximate location based on the information submitted and will furnish the usual observations during the planning process relating to the construction of the windfarm, concerning the need for an obstacle lighting scheme, 30 days notification in relation to crane operations and submission of as constructed coordinates.

Kind Regard

Audrey
Irish Aviation Authority
The Times Building
11-12 Dolier Street
Dublin 2

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Ms. Orla Murphy
MKO
Tuam Road
Galway
H91 VW84

Dáta | Date
23 December 2019

Ár dTag | Our Ref.
TII19-108224

Bhur dTag | Your Ref.
190301 – EIAR SD – 2019.11.21 – F2

Re: EIAR Scoping Request: Proposed Curaglass Renewable Energy Development (7 no. turbines up to 150m tip height) at Caapaboy Beg, Derreendonee and Curraglass, Co. Cork.

Dear Ms. Murphy,

Transport Infrastructure Ireland (TII) acknowledges receipt of your EIAR Scoping request in respect of the above proposed project, received 04 December 2019.

National Strategic Outcome 2 of the National Planning Framework includes the objective to maintain the strategic capacity and safety of the national roads network. It is also an investment priority of the National Development Plan, 2018 – 2027, to ensure that the extensive transport networks which have been greatly enhanced over the last two decades, are maintained to a high level to ensure quality levels of service, accessibility and connectivity to transport users.

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

The approach to be adopted by TII in making such submissions or comments will seek to uphold official policy and guidance as outlined in the Spatial Planning and National Roads Guidelines for Planning Authorities (2012). Regard should also be had to other relevant guidance available at www.TII.ie.

With respect to EIAR Scoping issues, the recommendations indicated below provide only general guidance for the preparation of EIAR, which may affect the national road network. The developer should have regard, *inter alia*, to the following;

1. As set out in the Spatial Planning and National Roads Guidelines, it is in the public interest that, in so far as is reasonably practicable, that the national road network continues to serve its intended strategic purpose. The EIAR should identify the methods/techniques proposed for any works traversing/in proximity to the

Próiseálann BIÉ sonraí pearsanta a sholáthraítear dó i gcomhréir lena Fhógra ar Chosaint Sonraí atá ar fáil ag www.tii.ie.
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national road network in order to demonstrate that the development can proceed complementary to safeguarding the capacity, safety and operational efficiency of that network.

2. In relation to the proposed development site, cabling and potential connection routing, the scheme promoter should note locations of existing and future national road schemes and develop proposals to safeguard proposed road schemes. Consultations should be had with the relevant local authority/National Roads Design Office with regard to locations of existing and future national road schemes.
3. 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.

In the context of existing national roads, alternatives to the provision of cabling along the national road network, such as alternative routing or the laying of cabling in private lands adjoining the national road, should be considered in the interests of safeguarding the investment in and the potential for future upgrade works to the national road network. The cable routing should avoid all impacts to existing TII infrastructure such as traffic counters, weather stations, etc. and works required to such infrastructure shall only be undertaken in consultation with and subject to the agreement of TII, any costs attributable shall be borne by the applicant/developer. The developer should also be aware that separate approvals may be required for works traversing the national road network.

4. Clearly identify haul routes proposed and fully assess the network to be traversed. Separate structure approvals/permits and other licences may be required in connection with the proposed haul route and all structures on the haul route should be checked by the applicant/developer to confirm their capacity to accommodate any abnormal load proposed.
5. 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. TII's TTA Guidelines (2014) should be referred to in relation to proposed development with potential impacts on the national road network. The scheme promoter is also advised to have regard to Section 2.2 of the TII TTA Guidelines which addresses requirements for sub-threshold TTA.
6. TII Standards should be consulted to determine the requirement for Road Safety Audit (RSA) and Road Safety Impact Assessment (RSIA).
7. Assessments and design and construction and maintenance standards and guidance are available at [TII Publications](#) that replaced the NRA Design Manual for Roads and Bridges (DMRB) and the NRA Manual of Contract Documents for Road Works (MCDRW).
8. The developer, in conducting Environmental Impact Assessment, should have regard to TII Environment Guidelines that deal with assessment and mitigation measures for varied environmental factors and occurrences. In particular;

- a. TII's Environmental Assessment and Construction Guidelines, including the *Guidelines for the Treatment of Air Quality During the Planning and Construction of National Road Schemes* (National Roads Authority, 2006),
- b. The EIAR should consider the Environmental Noise Regulations 2006 (SI 140 of 2006) and, in particular, how the development will affect future action plans by the relevant competent authority. The developer may need to consider the incorporation of noise barriers to reduce noise impacts (see *Guidelines for the Treatment of Noise and Vibration in National Road Schemes* (1st Rev., National Roads Authority, 2004)).

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 the above comments are of use in your EIAR preparation.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'Michael McCormack', with a horizontal line underneath it. To the left of the signature are two small, handwritten initials 'PP'.

Michael McCormack
Senior Land Use Planner

Orla Murphy

From: Sabine Browne <Sabine.Browne@waterwaysireland.org>
Sent: Thursday 5 December 2019 10:12
To: Orla Murphy
Subject: Your Ref 190301

Hi Orla,

We have no comment in relation to the EIA Scoping Document for the Proposed Curraglass Renewable Energy Development as the project is outside our remit, in County Cork.

Kind regards,

Sabine Browne

Clerical Officer - Environment & Heritage

Waterways Ireland Western Regional Office
Dock Road, Drewsborough,
Scarriff, Co. Clare
V94 H7N1
Phone +353-(0)61-922141
Fax +353 (0)61-922147
Sabine.Browne@waterwaysireland.org

Órla Murphy

From: padraig.condon@bt.com
Sent: Wednesday 1 May 2019 17:22
To: Daire O'Shaughnessy
Subject: RE: 190301 - Kealkil, Co. Cork - Proposed Wind Farm Site

Hi Daire,

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

Regards

Padraig Condon
Core Networks

Tel: +35314326819
Mobile number: +353 86 604 0636
BT Meetme: 01-6569053
E-mail padraig.condon@bt.com
<https://www.webjoin.com/>
Participant: 40342233#
Web: www.btireland.com



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From: Daire O'Shaughnessy [mailto:doshaughnessy@mkoireland.ie]
Sent: 01 May 2019 14:51
To: Condon,PG,Padraig,NQE32E R
Subject: 190301 - Kealkil, Co. Cork - Proposed Wind Farm Site

Hi Padraig,

We are working on a constraints study for a proposed wind farm site at Kealkil, located approximately 5.6km Northwest of Kealkil, Co. Cork. The Grid Ref coordinates for the site centre are IG E108,801 N62,560. A site location map and associated shapefile are attached showing the area of search.

Could you let me know please if BT has any links in this area, and we will incorporate these into our constraints map? We don't have a turbine layout yet; this will be informed by the constraints study.

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

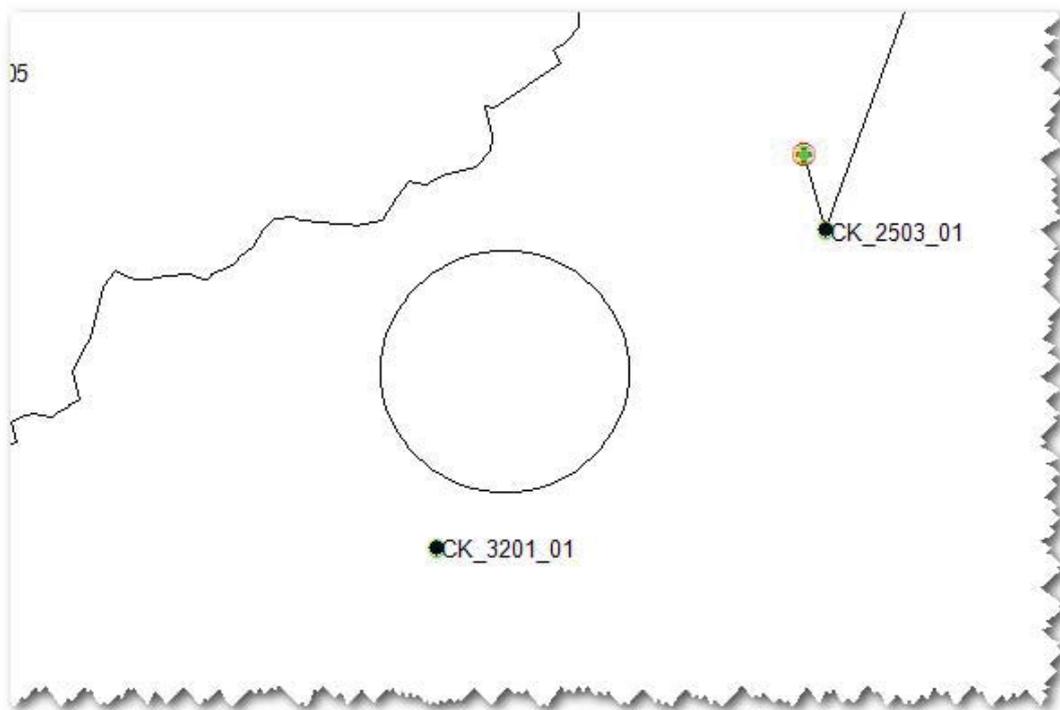
Órla Murphy

From: John Bagnall <john.bagnall@eir.ie>
Sent: Thursday 2 May 2019 08:57
To: Daire O'Shaughnessy
Cc: Mobile Networks TXN
Subject: Re: 190301 - Kealkil, Co. Cork - Proposed Wind Farm Site

Hi Daire,

We have no transmission or radio services in the vicinity of the proposed windfarm site. The nearest is over 1.3km away and this doesn't pose any risk to the Eir Mobile (formerly Meteor) network.

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



Kind regards,

 **John Bagnall**
Transmission Design & Engineering

M: +353 85 1053746
E: john.bagnall@eir.ie
Address: EirCode - D24 HX03



Sender notified by
[Mailtrack](#)

On Wed, 1 May 2019 at 15:05, Daire O'Shaughnessy <doshaughnessy@mkoireland.ie> wrote:

Hi John,

We are working on a constraints study for a proposed wind farm site at Kealkil, located approximately 5.6km Northwest of Kealkil, Co. Cork. The Grid Ref coordinates for the site centre are IG E108,801 N62,560. A site location map and associated shapefile are attached showing the area of search.

Could you let me know please if Eir has any links in this area, and we will incorporate these into our constraints map? We don't have a turbine layout yet; this will be informed by the constraints study.

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

Regards,

Daire



Daire O'Shaughnessy

MKO

Tuam Road, Galway

Ireland, H91 VW84

+353 (0) 91 735611

www.mkoireland.ie

Órla Murphy

From: Órla Murphy
Sent: Tuesday 26 May 2020 14:55
To: Myles Redmond
Subject: FW: 190301 - Kealkil, Co. Cork - Proposed Wind Farm Site
Attachments: Kealkil MM-Nowen Hill Path Profile.pdf

Hi Myles,

Further to your email on 6th May, see below email from EMR providing a solution for the connection to the substation at Curraglass. The client sent them through turbine coordinates, dimensions and met mast location.

For clarity I wish to confirm that no turbine, with the potential to impact on the existing communications signal to the existing substation, will be built before the alternative solution outlined by EMR is in place.

I trust this will be satisfactory however we remain available to discuss further if necessary.

Regards,

Órla



Órla Murphy B.Sc M.Sc
Project Environmental Scientist

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From: Dominic Crudden <dominic.crudden@emrsolutions.ie>
Sent: Friday 22 May 2020 11:42
To: William O'Connor
Cc: David Egan
Subject: RE: 190301 - Kealkil, Co. Cork - Proposed Wind Farm Site

Hi William,

We have done link planning in relation to the proposed windfarm and propose the following telecommunications solution:

- Primary link: 20Mbps Microwave radio from met mast to Nowen Hill high site (see attached path profile), with a fibre connection from met mast to substation.
- Secondary (Resilient/Failover) link: Satellite broadband from existing substation.

Neither of the above solutions will be impacted by the proposed turbine locations.

Regards,

Dominic Crudden
Business Development



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



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Órla Murphy

From: Myles Redmond <myles.redmond2@esb.ie>
Sent: Wednesday 6 May 2020 14:32
To: Órla Murphy
Cc: Wilson Dalikeni
Subject: RE: 190301 - Kealkil, Co. Cork - Proposed Wind Farm Site

Follow Up Flag: Follow up
Flag Status: Completed

Hi Órla,

Unfortunately this will not suffice. This satellite link is the only communication route for the SCADA control of Kealkill 38kV station, If this was impacted, the TSO would lose visibility and SCADA control of the station, which would deem the station inoperable so the link is considered highly critical.

We had recently carried link analysis to see was it possible to connect to one of our high sites for a point to multipoint radio link as our customer has wanted a diverse communication link to Kealkill however there was very limited options. This was due to the proximity of the existing turbines and also the difficult terrain in the locality, the only link that was potentially viable was to Nowen Hill however this link will also be impacted by another one of your proposed turbines as discussed in earlier emails.

The only other solution to provide reliable communication to the site that could potentially replace the satellite link in this case would for the developer to install a fibre link from our fibre optic network, the closest site in this case is Dunmanway 110kV, to Kealkill 38kV.

Due to the criticality of impact to the communication link to the site, we will be forced to object to the planning of the proposed turbine if it isn't moved to beyond the discussed buffer zone to avoid impact.

Regards,

Myles

From: Órla Murphy <omurphy@mkoireland.ie>
Sent: Tuesday 5 May 2020 19:32
To: Redmond. Myles (ESB Networks) <myles.redmond2@esb.ie>
Subject: RE: 190301 - Kealkil, Co. Cork - Proposed Wind Farm Site

Hi Myles,

Apologies on the delay in coming back to you.

I acknowledge the buffers provided below. Due to the delays and the need for us to move the project forward, the developer wants me to communicate to you, that if there is a permitted turbine that does impact signal to the discussed satellite, they will work with ESB to find a resolution.

I hope this suffices and thanks for all your feedback.

Regards

Órla



Órla Murphy B.Sc M.Sc
Project Environmental Scientist

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From: Myles Redmond <myles.redmond2@esb.ie>
Sent: Tuesday 14 April 2020 10:30
To: Órla Murphy <omurphy@mkoireland.ie>
Subject: RE: 190301 - Kealkil, Co. Cork - Proposed Wind Farm Site

Hi Órla,

I have got feedback from our Satellite consultants and they have calculated that the clearance zone for a windturbine with a max tip height of 180m is 357.492m to the footprint of the turbine blades. this is including the Fresnel zone of the satellite link. If you consider that the blade length is 75m, the distance from the dish to the base of the turbine is 432.5m.

This is the absolute minimum distance from the Satellite link to ensure there would be no impact to the link. The satellite dish is assumed to be located at the south facing gable end of Kealkill 38kV substation so however this distance should be measured from the station fencing at the south of the building in case this dish needs to be moved within the station boundary for construction works.

JRC recommend adding an additional allowance for turbine micro-siting. If this is unknown, then 100m is assumed. In total, the clearance zone is 532.5m including the buffer zone from the station fencing to the base of the turbine.

Regards,

Myles

From: Redmond. Myles (ESB Networks)
Sent: Friday 20 March 2020 12:03
To: 'Órla Murphy' <omurphy@mkoireland.ie>
Subject: RE: 190301 - Kealkil, Co. Cork - Proposed Wind Farm Site

Hi Órla,

I have been chasing up with our Satellite SCADA provider and have still not got a clarified clearance zone for this dish installation. I will update you with this as soon as I get an update from them.

Regards,

Myles

From: Órla Murphy <omurphy@mkoireland.ie>
Sent: Wednesday 4 March 2020 10:45
To: Redmond, Myles (ESB Networks) <myles.redmond2@esb.ie>
Subject: RE: 190301 - Kealkil, Co. Cork - Proposed Wind Farm Site

Thanks Myles,

Are you able to run the turbine dimensions against both the satellite and the link to see if there are any issues with their locations?

I will also have a look now and see if elevations allow for any issues to be avoided.

Órla



Órla Murphy B.Sc M.Sc
Project Environmental Scientist

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From: Myles Redmond <myles.redmond2@esb.ie>
Sent: Wednesday, March 4, 2020 10:39 AM
To: Órla Murphy <omurphy@mkoireland.ie>
Subject: RE: 190301 - Kealkil, Co. Cork - Proposed Wind Farm Site

Hi Órla,

Yes, I should have said, the AGL refers to the height above ground level of the radio antennae at both sides. If you need the above sea level, please me know and I can find them out for you.

Regards,

Myles

From: Órla Murphy <omurphy@mkoireland.ie>
Sent: Tuesday 3 March 2020 14:20
To: Redmond. Myles (ESB Networks) <myles.redmond2@esb.ie>
Cc: Dalikeni. Wilson (ESB Networks) <Wilson.Dalikeni@esb.ie>; Hopkins. Dermot (Engineering and Major Projects) <dermot.hopkins@esbtelecoms.ie>
Subject: RE: 190301 - Kealkil, Co. Cork - Proposed Wind Farm Site

Hi Myles,

Thanks for providing the below.
Yes, can you come back on the satellite buffer when you have it please?

The link going from Kealkil to Nowen Hill, can you let me know is the height referencing the height of the satellite above ground level? i.e. is the Kealkil satellite 6m AGL and Nowen Hill 25m AGL?

The turbine dimensions we are working with are:

Hub height – 103.5m
Rotor Diameter – 150m
Tip height – 178.5m

Regarding the buffer of 150m for the offsetting, this is quite extreme, so we need to maybe discuss this further once you have checked the turbine dimensions and come back to me on the above AGL queries.

Thanks

Órla



Órla Murphy B.Sc M.Sc
Project Environmental Scientist

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From: Myles Redmond <myles.redmond2@esb.ie>
Sent: Tuesday, March 3, 2020 12:32 PM
To: Órla Murphy <omurphy@mkoireland.ie>
Cc: Wilson Dalikeni <Wilson.Dalikeni@esb.ie>; Dermot Hopkins <dermot.hopkins@esbtelecoms.ie>
Subject: RE: 190301 - Kealkil, Co. Cork - Proposed Wind Farm Site

Hi Órla,

I have contacted our Satellite provider to find out what the minimum clearance distance a turbine should be from the path of the Satellite dish to prevent interference, I will update you once they have got back to me. What is the rotor height, blade length and maximum tip height of the planned turbine?

The location of the dish is at

INGR: E: 108897 N: 062128

Or Lat/Long: 51.804347 -9.3216383

The Satellite is Intelsat 907 which is at 27.5' W of south or Asmuth of 203.6 and the elevation is 26 degrees. The height of the antenna is 3m AGL.

The link is at 463MHz:

A-end Kealkill 38kV:

INGR: E: 108897 N: 062128

Or Lat/Long: 51.804347 -9.3216383

Height 6m

B- end Nowen Hill:

INGR: E: 114071 N: 052937

Or Lat/Long: 51.722570 -9.2443651

Height 25m

The 3rd Fresel clearance zone for the link is 26.89m from the blade tip to the centre of the link. An additional 150m is also added to this value for micro siting of the turbines and for coordinate inaccuracies as recommended by JRC so the total required clearance zone would be 177m from the blade tip to the centre of the link.

Regards,

Myles

From: Órla Murphy <omurphy@mkoireland.ie>

Sent: Monday 2 March 2020 10:48

To: Redmond. Myles (ESB Networks) <myles.redmond2@esb.ie>

Cc: Dalikeni. Wilson (ESB Networks) <Wilson.Dalikeni@esb.ie>; Hopkins. Dermot (Engineering and Major Projects) <dermot.hopkins@esbtelecoms.ie>

Subject: RE: 190301 - Kealkil, Co. Cork - Proposed Wind Farm Site

Hi Myles,

Are you able to send me on a shapefile or end point coordinates for the Satellite network from the substation please that affects T6 and same for the radio link from Kealkill 38kV to Nowen Hill that affects T7 please?

We would prefer to not have to commit to large movements of turbines, especially at T7 at this stage of the project, as there are agreements in place here with landowners, but can you let me know a preferred buffer/ Fresnel zone around the link?

Thanks

Órla



Órla Murphy B.Sc M.Sc
Project Environmental Scientist

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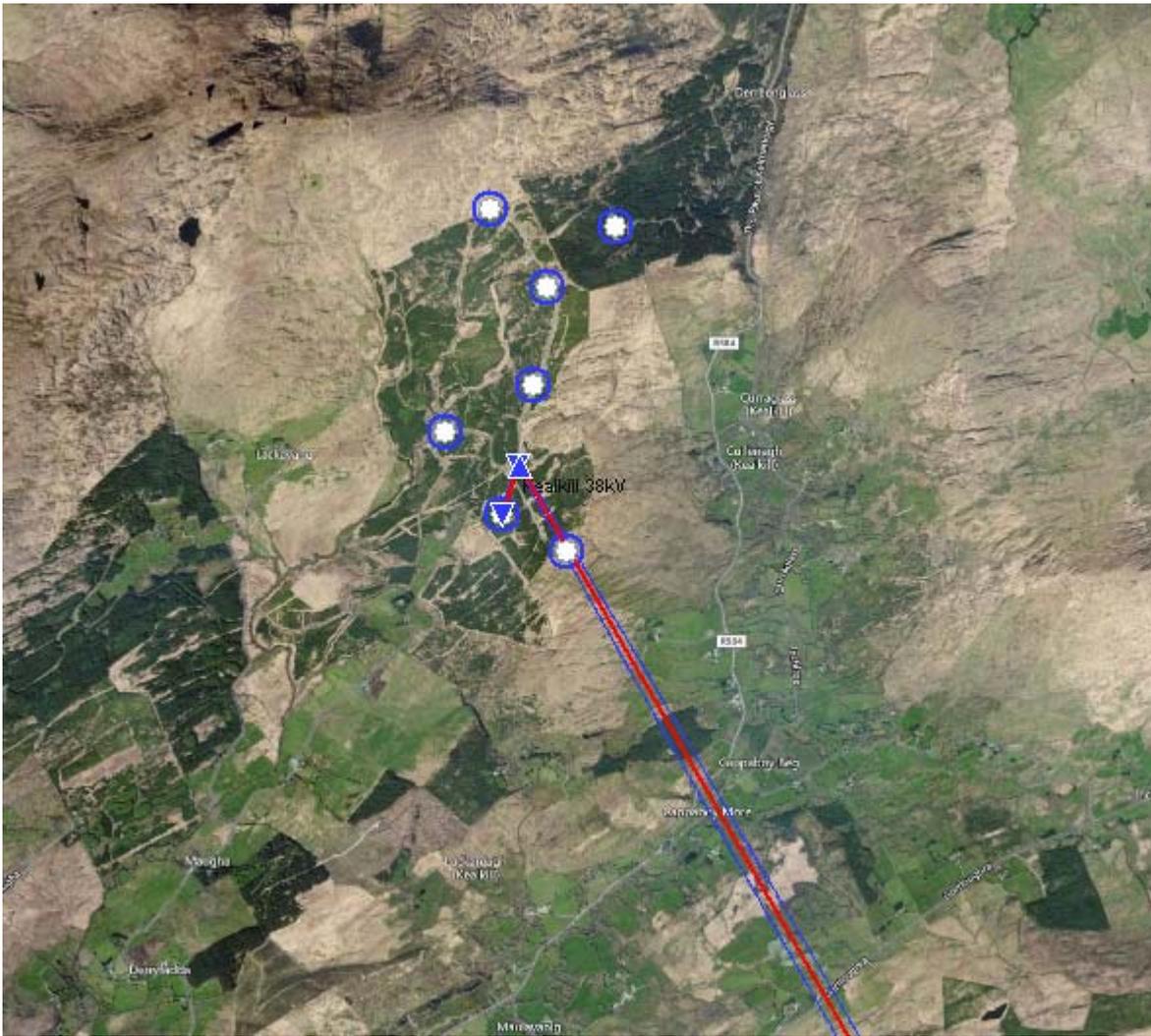
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From: Myles Redmond <myles.redmond2@esb.ie>
Sent: Monday, March 2, 2020 10:38 AM
To: Órla Murphy <omurphy@mkoireland.ie>
Cc: Wilson Dalikeni <Wilson.Dalikeni@esb.ie>; Dermot Hopkins <dermot.hopkins@esbtelecoms.ie>
Subject: RE: 190301 - Kealkil, Co. Cork - Proposed Wind Farm Site

Hi Órla,

I have plotted the turbines and as you had suggested T6 is directly in the path of the Satellite network. This is critical communication infrastructure which cannot be relocated or moved so this turbine would have to be moved or omitted to avoid impact to service for the site.

Since my analysis last year, Eirgrid are now in planning to install a polling radio link from Kealkill 38kV to Nowen Hill, this is almost in the direct path of T7, How for is it possible to move this turbine left or right?



Regards,

Myles

From: Orla Murphy <omurphy@mkoireland.ie>

Sent: Tuesday 11 February 2020 12:18

To: Redmond. Myles (ESB Networks) <myles.redmond2@esb.ie>

Cc: Dalikeni. Wilson (ESB Networks) <Wilson.Dalikeni@esb.ie>; Hopkins. Dermot (Engineering and Major Projects) <dermot.hopkins@esbtelecoms.ie>

Subject: RE: 190301 - Kealkil, Co. Cork - Proposed Wind Farm Site

Hi Myles,

Following up on the email last year from Daire, see below the turbine locations we are currently investigating, is T6 an issue with the satellite infrastructure?

ID	X (IG)	Y (IG)	X (ITM)	Y (ITM)
T1	108792.5	63586.25	508762.3	563650.4
T2	109510.2	63481.57	509479.8	563545.8
T3	109106.8	63140.18	509076.5	563204.5

T4	109029.7	62582.17	508999.4	562646.6
T5	108519.1	62319.95	508488.9	562384.4
T6	108837.2	61840.8	508806.9	561905.4
T7	109199.2	61618.2	509168.8	561682.8

Thanks

Órla



Órla Murphy B.Sc M.Sc
Environmental Scientist

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From: Myles Redmond <myles.redmond2@esb.ie>

Sent: Tuesday, May 7, 2019 8:36 AM

To: Daire O'Shaughnessy <doshaughnessy@mkoireland.ie>

Cc: Wilson Dalikeni <Wilson.Dalikeni@esb.ie>; Dermot Hopkins <dermot.hopkins@esbtelecoms.ie>

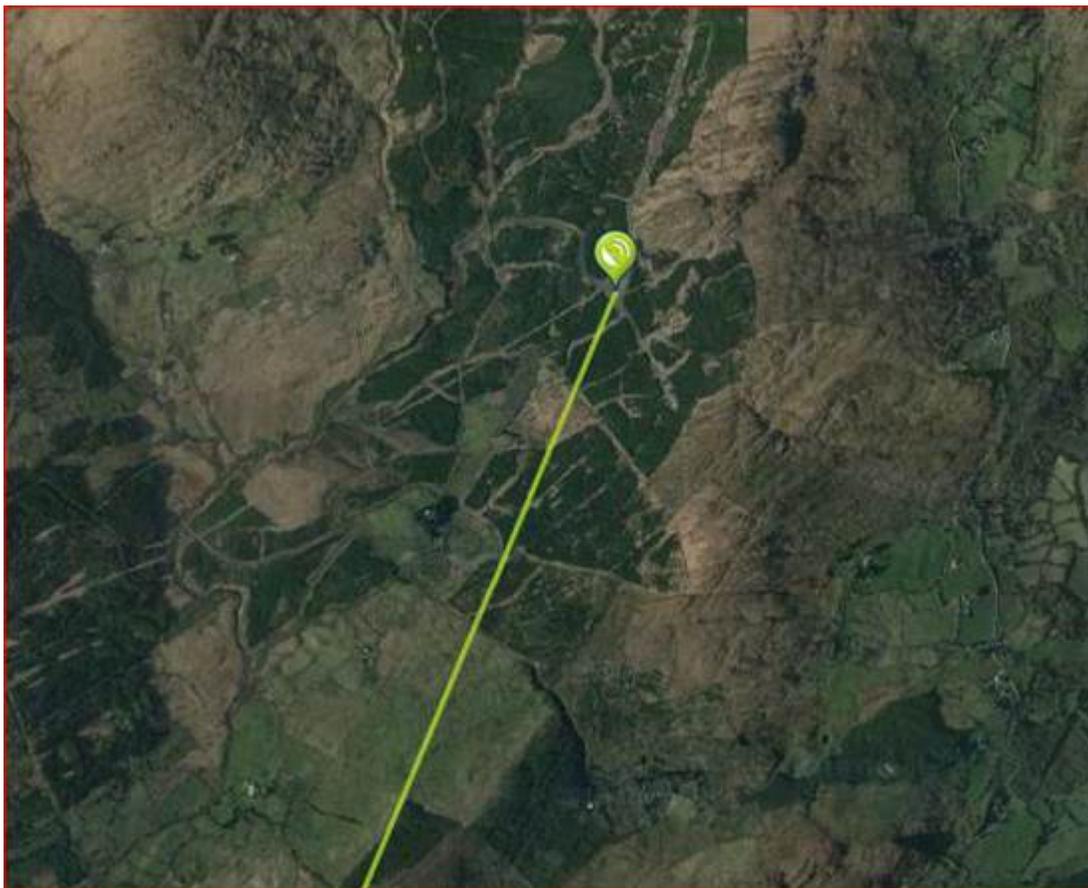
Subject: RE: 190301 - Kealkil, Co. Cork - Proposed Wind Farm Site

Hi Daire,

I have checked the area around Kealkil WF and the proposed area is not affecting any of our current Microwave links nor our polling radio network.



When the turbine locations have been appointed, could you please forward a list of these to us again so we can verify that there will be no impact at this stage? We do have satellite infrastructure at the existing Kealkil WF which is pointing at an Azimuth of 206.6° from the substation.



Regards,

Myles

From: Daire O'Shaughnessy [<mailto:doshaughnessy@mkoireland.ie>]

Sent: 01 May 2019 14:57

To: Hopkins. Dermot (Customer Solutions) <dermot.hopkins@esbtelecoms.ie>

Cc: Dalikeni. Wilson (ESB Networks) <Wilson.Dalikeni@esb.ie>; Redmond. Myles (ESB Networks) <myles.redmond2@esb.ie>

Subject: 190301 - Kealkil, Co. Cork - Proposed Wind Farm Site

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Hi Dermot,

We are working on a constraints study for a proposed wind farm site at Kealkil, located approximately 5.6km Northwest of Kealkil, Co. Cork. The Grid Ref coordinates for the site centre are IG E108,801 N62,560. A site location map and associated shapefile are attached showing the area of search.

Could you let me know please if ESB Telecoms has any links in this area, and we will incorporate these into our constraints map? We don't have a turbine layout yet; this will be informed by the constraints study.

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

Regards,

Daire



Daire O'Shaughnessy

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Tá an t-eolas sa ríomhphost seo agus in aon chomhad a ghabhann leis rúnda agus ceaptha le haghaidh úsáide an té nó

Órla Murphy

From: William Morgan <william.morgan@imaginegroup.ie>
Sent: Wednesday 1 May 2019 15:58
To: Ronnie O'Neill; Daire O'Shaughnessy
Subject: Re: 190301 - Kealkil, Co. Cork - Proposed Wind Farm Site

Hi Daire,

I have reviewed all sites that we are planning to deliver in the area and I can confirm that no microwave links will be using the airspace that you have identified.

Kind Regards,
Will.

From: Ronnie O'Neill
Sent: 01 May 2019 15:42
To: William Morgan
Subject: FW: 190301 - Kealkil, Co. Cork - Proposed Wind Farm Site

[Can you have a look Will ?](#)

From: Daire O'Shaughnessy <doshughnessy@mkoireland.ie>
Sent: Wednesday, May 1, 2019 3:09 PM
To: Ronnie O'Neill <Ronnie.ONeill@imaginegroup.ie>
Subject: 190301 - Kealkil, Co. Cork - Proposed Wind Farm Site

Hi Ronnie,

We are working on a constraints study for a proposed wind farm site at Kealkil, located approximately 5.6km Northwest of Kealkil, Co. Cork. The Grid Ref coordinates for the site centre are IG E108,801 N62,560. A site location map and associated shapefile are attached showing the area of search.

Could you let me know please if Imagine has any links in this area, and we will incorporate these into our constraints map? We don't have a turbine layout yet; this will be informed by the constraints study.

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

Regards,

Daire

Órla Murphy

From: Jarek Frankiewicz <jarek.frankiewicz@ripplecom.net>
Sent: Friday 3 May 2019 09:52
To: Daire O'Shaughnessy
Cc: Adrian Carroll
Subject: Re: 190301 - Kealkil, Co. Cork - Proposed Wind Farm Site

Hi Daire,

Based on provided information I would like to let you know that there is no impact on our existing radio infrastructure.

Best Regards

Jarek Frankiewicz | Procurement

M: 087 9654718

E: jarek.frankiewicz@ripplecom.net | **W:** ripplecom.net

Houston Hall, Raheen Business Park, Limerick, V94 PKF1



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From: Daire O'Shaughnessy <doshughnessy@mkoireland.ie>
Sent: Wednesday, May 1, 2019 14:57
To: Jarek Frankiewicz
Subject: 190301 - Kealkil, Co. Cork - Proposed Wind Farm Site

Hi Jarek,

We are working on a constraints study for a proposed wind farm site at Kealkil, located approximately 5.6km Northwest of Kealkil, Co. Cork. The Grid Ref coordinates for the site centre are IG E108,801 N62,560. A site location map and associated shapefile are attached showing the area of search.

Could you let me know please if Ripplecom has any links in this area, and we will incorporate these into our constraints map? We don't have a turbine layout yet; this will be informed by the constraints study.

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

Regards,

Daire



Daire O'Shaughnessy

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Órla Murphy

From: Matthew Craig <matthew.craig@2rn.ie>
Sent: Friday 20 March 2020 06:12
To: Órla Murphy
Cc: Johnny Evans; windfarms@rte.ie
Subject: RE: 190301 - Kealkill, Co. Cork - Proposed Wind Farm Site

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Órla,

Thanks for getting it moved the new location for Turbine 7 is much better.

Regards

Matthew Craig

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

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From: Órla Murphy <omurphy@mkoireland.ie>
Sent: 19 March 2020 16:40
To: Matthew Craig <matthew.craig@2rn.ie>
Cc: Johnny Evans <Johnny.Evans@2rn.ie>
Subject: RE: 190301 - Kealkill, Co. Cork - Proposed Wind Farm Site

Hi Matthew,

Just coming back on this. We were able to move the turbine out of the DTT Yellow Fresnel Zone, new T7 location is:

ID	X	Y
T7	108957.3181	61541.0851

This is south east of the previous turbine location.

Regards

Órla



Órla Murphy B.Sc M.Sc
Project Environmental Scientist

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From: Matthew Craig <matthew.craig@2rn.ie>
Sent: Thursday 5 March 2020 16:14
To: Órla Murphy <omurphy@mkoireland.ie>
Cc: Johnny Evans <Johnny.Evans@2rn.ie>
Subject: RE: 190301 - Kealkill, Co. Cork - Proposed Wind Farm Site

Hi Órla,

If you could move the turbine out of the DTT Yellow Fresnel Zone that would be great. That is roughly a 200m corridor. I have attached an example with a new turbine on the site of one of the smaller decommissioned turbine sites.

Antenna Heights

		AGL(m)	AMSL(m)
Mullaghanish	Tx	209	857
Bantry	Rx	23	223

Regards

Matthew Craig

Project Engineer

Projects and Coverage Planning

2RN

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

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From: Órla Murphy <omurphy@mkoireland.ie>
Sent: 05 March 2020 15:34
To: Matthew Craig <matthew.craig@2rn.ie>
Cc: Johnny Evans <Johnny.Evans@2rn.ie>
Subject: RE: 190301 - Kealkill, Co. Cork - Proposed Wind Farm Site

Hi Matthew

Thanks for the information.

The previous turbines were of a tip height of 75m so much smaller in height than what we are proposing here. Can you send me on the height of the masts at Bantry and Mullaganish?

Are you able to recommend a movement for the turbine based on the Fresnel zone information you sent over and the proposed turbine dimensions? I think that the size of the Fresnel zones provided are quite extreme and this causes a bit of difficulty for us at this stage so any help would be appreciated.

Thanks

Órla



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From: Matthew Craig <matthew.craig@2rn.ie>
Sent: Thursday, March 5, 2020 12:33 PM
To: Órla Murphy <omurphy@mkoireland.ie>
Cc: Johnny Evans <Johnny.Evans@2rn.ie>
Subject: RE: 190301 - Kealkill, Co. Cork - Proposed Wind Farm Site

Hi Órla,

There is no impact to our fixed microwave linking but with further investigation of the impact on TV and FM reception we noticed that our relay site at Bantry's receive path passes directly through one of the turbine locations. Generally, we would look for a 350m corridor for a microwave path as the frequencies are lower for other services, they have a larger corridor. I have set the Fresnel zone to one in the attached examples as a place to start. The turbines that were decommissioned didn't cause any problems for the reception at Bantry, I have included the nearest one with the details that I could find online about its dimensions. I have included a google earth file with DTT and FM first Fresnel Zones, Turbine and transmitter heights.

Please let me know if you have any questions.

Matthew Craig

Project Engineer

Projects and Coverage Planning

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From: Órla Murphy <omurphy@mkoireland.ie>
Sent: 04 March 2020 15:13
To: Matthew Craig <matthew.craig@2rn.ie>
Cc: Johnny Evans <Johnny.Evans@2rn.ie>
Subject: RE: 190301 - Kealkill, Co. Cork - Proposed Wind Farm Site

Hi Matthew,

No, the previous 10 turbines are decommissioned, and these 7 turbines are all new proposed, some in slightly different locations than the previous application. Can you give me the end points to the link and appropriate buffer, and I will see what it looks like on the mapping?

Is this a new path that RTE have installed? It wasn't mentioned in the initial response to Daire as being within the study area.

Many thanks

Órla



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From: Matthew Craig <matthew.craig@2rn.ie>
Sent: Wednesday, March 4, 2020 1:52 PM
To: Órla Murphy <omurphy@mkoireland.ie>
Cc: Johnny Evans <Johnny.Evans@2rn.ie>
Subject: RE: 190301 - Kealkill, Co. Cork - Proposed Wind Farm Site

Hi Órla,

Is the Planning Permission for the replacement of existing Turbines?

The reason that I ask is that the coordinates that you have sent for T7 (51.800034 -9.316971) have it on the top of a ridge that is directly in the path between our sites at Mullaganish and Bantry. If it is in the location of the existing turbine (51.800034 -9.316971) its fine.

Regards

Matthew Craig

Project Engineer

Projects and Coverage Planning

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From: Órla Murphy <omurphy@mkoireland.ie>
Sent: 03 March 2020 18:44
To: Matthew Craig <matthew.craig@2rn.ie>
Cc: Johnny Evans <Johnny.Evans@2rn.ie>
Subject: RE: 190301 - Kealkill, Co. Cork - Proposed Wind Farm Site

Hi Matthew

My colleague Daire had been in contact with you early last year in relation to a proposed wind farm development near Kealkill, Co Cork.

The application has a proposed tip height up to 178.5m. Turbine coordinates below that we are currently assessing. Can you come back to me and let me know of any potential inference? I am assuming we should sign the standard Protocol Document to cover us for properties in the south west, but let me know and I will send on the details (company name, etc.) for the form.

ID	X (IG)	Y (IG)	X (ITM)	Y (ITM)
T1	108792.5	63586.25	508762.3	563650.4
T2	109510.2	63481.57	509479.8	563545.8
T3	109106.8	63140.18	509076.5	563204.5
T4	109029.7	62582.17	508999.4	562646.6
T5	108519.1	62319.95	508488.9	562384.4
T6	108837.2	61840.8	508806.9	561905.4
T7	109199.2	61618.2	509168.8	561682.8

Thanks

Órla



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From: Matthew Craig <matthew.craig@2rn.ie>
Sent: Thursday, May 2, 2019 10:10 AM
To: Daire O'Shaughnessy <doshaughnessy@mkoireland.ie>
Cc: Johnny Evans <Johnny.Evans@2rn.ie>
Subject: RE: 190301 - Kealkil, Co.Cork - Proposed Wind Farm Site

Good Morning Daire,

There will be no impact to 2RN's fixed link microwave network by the construction of wind turbines in the area outlined in your email attachments.

There may however be some disruption to the Digital Television Services for viewers to the south west of the proposed site receiving their signal from our site at Maghera.

When the location and height of the Turbines has been determined we will better able to determine what if any impact there will be and how many viewers may be impacted.

Regards

Matthew Craig

Project Engineer

Projects and Coverage Planning

2RN

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From: Daire O'Shaughnessy <doshaughnessy@mkoireland.ie>

Sent: 01 May 2019 15:56

To: Johnny Evans <Johnny.Evans@2rn.ie>

Subject: 190301 - Kealkil, Co.Cork - Proposed Wind Farm Site

Hi Johnny,

We are working on a constraints study for a proposed wind farm site at Kealkil, located approximately 5.6km Northwest of Kealkil, Co. Cork. The Grid Ref coordinates for the site centre are IG E108,801 N62,560. A site location map and associated shapefile are attached showing the area of search.

Could you let me know please if 2rn has any links in this area, and we will incorporate these into our constraints map? We don't have a turbine layout yet; this will be informed by the constraints study.

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

Regards,

Daire



Daire O'Shaughnessy

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Órla Murphy

From: Thomas Barry <Tom.Barry@TETRAIRELAND.IE>
Sent: Thursday 9 May 2019 13:55
To: Daire O'Shaughnessy
Subject: RE: 190301 - Kealkil, Co. Cork - Proposed Wind Farm Site

Daire,

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

Regards,
Tom

From: Daire O'Shaughnessy [mailto:doshaughnessy@mkoireland.ie]
Sent: Wednesday 1 May 2019 15:24
To: Thomas Barry
Subject: 190301 - Kealkil, Co. Cork - Proposed Wind Farm Site

Hi Tom,

We are working on a constraints study for a proposed wind farm site at Kealkil, located approximately 5.6km Northwest of Kealkil, Co. Cork. The Grid Ref coordinates for the site centre are IG E108,801 N62,560. A site location map and associated shapefile are attached showing the area of search.

Could you let me know please if Tetra has any links in this area, and we will incorporate these into our constraints map? We don't have a turbine layout yet; this will be informed by the constraints study.

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

Regards,

Daire



Daire O'Shaughnessy

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Órla Murphy

From: Gerry Callan <Gerry.Callan@three.ie>
Sent: Wednesday 1 May 2019 16:27
To: Daire O'Shaughnessy
Cc: DL Estates ROI; Alan Hutchinson
Subject: RE: 190301 - Kealkil, Co.Cork - Proposed Wind Farm Site

Hi Daire,

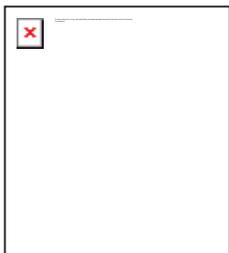
I've reviewed the proposed Windfarm at Kealkil, Co. Cork, on behalf of 3 and am happy to confirm that the proposed development will not impact the 3 Transmission Network.

We have no microwave links that traverse the development area. Our closest link is 1.32km south west of the development area and is itself directed south-east.

Our regional engineer has also confirmed that we have no plans for any future links traversing the development area.

Good luck with the development,

Best wishes,



Gerry Callan
Transmission Engineer

086 3884246
gerry.callan@three.ie



Make it count.

From: Daire O'Shaughnessy <doshughnessy@mkoireland.ie>
Sent: 01 May 2019 15:27
To: Gerry Callan <Gerry.Callan@three.ie>
Subject: 190301 - Kealkil, Co.Cork - Proposed Wind Farm Site

Hi Gerry,

We are working on a constraints study for a proposed wind farm site at Kealkil, located approximately 5.6km Northwest of Kealkil, Co. Cork. The Grid Ref coordinates for the site centre are IG E108,801 N62,560. A site location map and associated shapefile are attached showing the area of search.

Could you let me know please if Three has any links in this area, and we will incorporate these into our constraints map? We don't have a turbine layout yet; this will be informed by the constraints study.

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

Órla Murphy

From: Órla Murphy
Sent: Tuesday 3 March 2020 18:41
To: Rachel Hennessy
Subject: RE: 190301 - Kealkill, Co. Cork - Proposed Wind Farm Site

Hi Rachel

Following on from Daire's email last year, see below turbine locations that we are currently assessing. We welcome any feedback.

ID	X (IG)	Y (IG)	X (ITM)	Y (ITM)
T1	108792.5	63586.25	508762.3	563650.4
T2	109510.2	63481.57	509479.8	563545.8
T3	109106.8	63140.18	509076.5	563204.5
T4	109029.7	62582.17	508999.4	562646.6
T5	108519.1	62319.95	508488.9	562384.4
T6	108837.2	61840.8	508806.9	561905.4
T7	109199.2	61618.2	509168.8	561682.8

Órla



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From: Rachel Hennessy <RHennessy@towercom.ie>
Sent: Tuesday, May 7, 2019 3:53 PM
To: Daire O'Shaughnessy <doshughnessy@mkoireland.ie>
Subject: RE: 190301 - Kealkill, Co. Cork - Proposed Wind Farm Site

Hi Daire,

From review of the proposed location of the wind farm detailed below, it would not appear have a significant impact on Towercom's sites.

However, in order to fully assess any impact it may have, we would require coordinates showing the proposed turbines locations.

Kind regards,
Rachel

Rachel Hennessy
Towercom
M: +353 (0)86 843 9587
E: rachel.hennessy@towercom.ie

From: Daire O'Shaughnessy <doshaughnessy@mkoireland.ie>
Sent: 01 May 2019 15:30
To: Requests <requests@towercom.ie>
Subject: 190301 - Kealkil, Co. Cork - Proposed Wind Farm Site

Hi Rachel,

We are working on a constraints study for a proposed wind farm site at Kealkil, located approximately 5.6km Northwest of Kealkil, Co. Cork. The Grid Ref coordinates for the site centre are IG E108,801 N62,560. A site location map and associated shapefile are attached showing the area of search.

Could you let me know please if Towercom has any links in this area, and we will incorporate these into our constraints map? We don't have a turbine layout yet; this will be informed by the constraints study.

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

Regards,

Daire



Daire O'Shaughnessy

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Órla Murphy

From: Donna Fairbrother <Donna.Fairbrother@viatel.com>
Sent: Thursday 2 May 2019 16:19
To: Daire O'Shaughnessy
Subject: RE: 190301 - Kealkil, Co. Cork - Proposed Wind Farm Site

Hi Daire,

Viatel have no links in this region.

Many thanks,
Donna.

Donna Fairbrother
Solutions Delivery Manager

+353 1 4699314
Donna.Fairbrother@viatel.com

viatel.com



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From: Daire O'Shaughnessy <doshughnessy@mkoireland.ie>
Sent: Wednesday 1 May 2019 15:40
To: Donna Fairbrother <Donna.Fairbrother@viatel.com>
Subject: 190301 - Kealkil, Co. Cork - Proposed Wind Farm Site

Hi Donna,

We are working on a constraints study for a proposed wind farm site at Kealkil, located approximately 5.6km Northwest of Kealkil, Co. Cork. The Grid Ref coordinates for the site centre are IG E108,801 N62,560. A site location map and associated shapefile are attached showing the area of search.

Could you let me know please if Viatel has any links in this area, and we will incorporate these into our constraints map? We don't have a turbine layout yet; this will be informed by the constraints study.

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

Regards,

Órla Murphy

From: Dominic Crudden <dominic.crudden@emrsolutions.ie>
Sent: Thursday 2 May 2019 11:36
To: Daire O'Shaughnessy
Subject: RE: 190301 - Kealkil, Co. Cork - Proposed Wind Farm Site

Hi Daire,

We don't have any point-to-point links which pass through that area, so we wouldn't have any issue with the proposal.

As discussed, we provide complete telecommunications solutions for windfarm operators & manufacturers such as SSE, Greencoat Capital, Enerco Energy Ltd, Nordex and Powercomm. We're seeing a lot more emphasis being placed on secure robust communications by windfarm operators so it would be worth arranging a meeting to discuss any services we can provide for you or your clients in this area.

A Case Study can be seen on our website below, as well as information on some of the services we provide:

<https://emr.ie/news/infrastructure-windfarms>

Please let me know if this would be suitable and we can arrange to call in to you in Galway.

Regards,

Dominic Crudden
Business Development



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



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From: Daire O'Shaughnessy [mailto:doshaughnessy@mkoireland.ie]
Sent: Wednesday 1 May 2019 15:43

To: Dominic Crudden <dominic.crudden@emrsolutions.ie>
Subject: 190301 - Kealkil, Co. Cork - Proposed Wind Farm Site

Hi Dominic,

We are working on a constraints study for a proposed wind farm site at Kealkil, located approximately 5.6km Northwest of Kealkil, Co. Cork. The Grid Ref coordinates for the site centre are IG E108,801 N62,560. A site location map and associated shapefile are attached showing the area of search.

Could you let me know please if MP&E has any links in this area, and we will incorporate these into our constraints map? We don't have a turbine layout yet; this will be informed by the constraints study.

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

Regards,

Daire



Daire O'Shaughnessy

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