

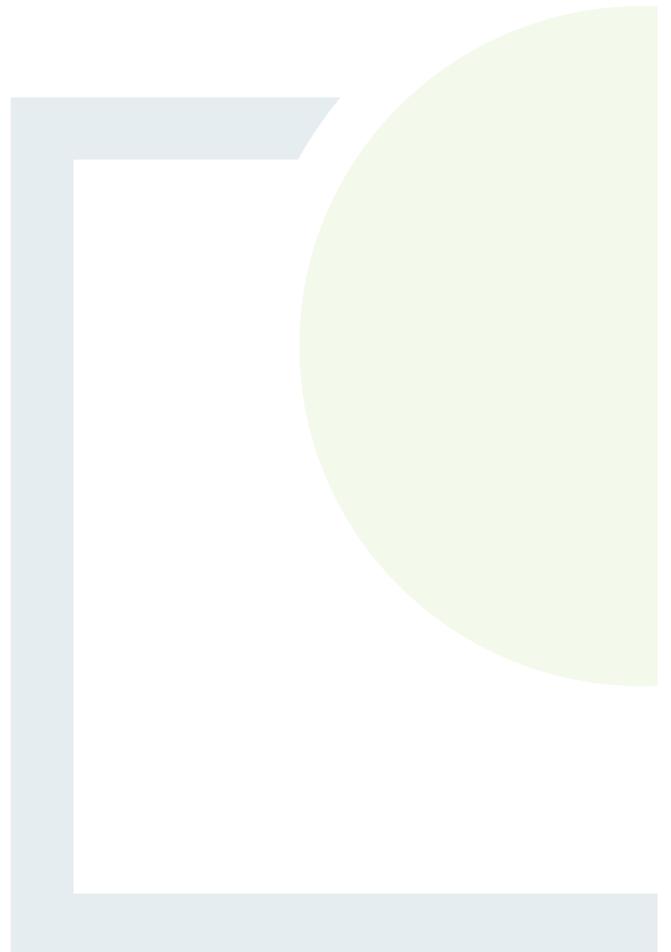


**FEHILY
TIMONEY**

**CONSULTANTS IN ENGINEERING,
ENVIRONMENTAL SCIENCE
& PLANNING**

APPENDIX 13.2

Consultation Responses



From: [RAFFERTY Audrey](#)
To: [Sinead Lynch](#)
Subject: RE: Barnadivane Wind Farm updated EIAR
Date: Wednesday 5 October 2022 15:45:04
Attachments: [image001.png](#)

Dear Ms Lynch

Thank you for your letter/scoping report and request for comments in relation to the proposed Barnadivane Wind Farm to be located in the townlands of Lackareagh, Garranereagh and Barnadivane (Kneeves), near Teerelton, Co. Cork.

The development appears to be approximately 32km West of Cork Airport, as such, it is recommended that the developer engage directly with Cork airport (including IAA-ANSP and Engineering) to make them aware of the proposal and ensure appropriate screening from an aviation safety perspective.

It is likely that the following general observations would be proffered by the Authority during a formal planning process: In the event of planning consent being granted, the applicant should be conditioned to contact the Irish Aviation Authority to:

- (1) agree an aeronautical obstacle warning light scheme for the wind farm development,
- (2) provide as-constructed coordinates in WGS84 format together with ground and blade tip height elevations at each wind turbine location

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

- (3) notify the Authority of intention to commence crane operations with at least 30 days prior notification of their erection.

Kind Regards

Audrey Rafferty
Corporate Affairs
Irish Aviation Authority
11-12 Dolier Street
Dublin 2
01 603 1103

=====

===== PLEASE consider

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Registered Number: 211082 Place of Registration: Ireland A limited liability company

From: [MACCRIOSTAIL Cathal](#)
To: [Sinead Lynch](#)
Cc: [SYMMANS Terry](#); [Planning](#); [Daniel Casey](#); paul.cumiskey@daa.ie; [Gary Mackin](#); [David Shannon \(CW\)](#)
Subject: 221010 Barnadivane Wind Farm Cork ANSP Response
Date: Monday 10 October 2022 18:03:36
Attachments: [Consultation Letter Aviation.pdf](#)
[P21_143_Proposed_Turbine_Layout.kmz](#)

Dear Sinead,

Thank you for the email and the detail contained in the attached.

The nearest turbine is at c.17nm from Cork Airport and does along with the other proposed turbines fall within the airspace where the IAA ANSP has responsibility for safeguarding of Instrument Flight Procedures (IFPs) for Cork Airport.

In order to make initial assessments of potential impacts we use a Safeguarding Grid to see if the proposed development will penetrate the IFPs surfaces.

With the proposed tip height of 131m on a site with an elevation of 265m (in the highest turbine site) = total elevation 366m AMSL. The safeguarding elevation we apply for this area is 583m AMSL, so the proposed turbines are well below this value and therefore not of concern to us.

I should note that from a Regulatory perspective, these turbines will need to be notified to airspace@iaa.ie as they are obstacles greater than 100m elevation.

Interested parties from daa Cork Airport are copied for information.

Kind regards,

Cathal

Cathal Mac Criostail

Údarás Eitlíochta na hÉireann / Irish Aviation Authority

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

✉ cathal.maccristail@iaa.ie

☎ +353 (0)1 6031173

📞 +353 (0)86 0527130

🌐 www.iaa.ie

🖨 [Do you really need to print this?](#)

From: Sinead Lynch <sinead.lynch@ftco.ie>

Sent: Monday 10 October 2022 14:42

To: MACCRIOSTAIL Cathal <Cathal.MacCriostail@IAA.ie>

Subject: Barnadivane Wind Farm updated EIAR

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Greetings,

This consultation is regarding Barnadivane Wind Farm which is located in the townlands of Lackareagh, Garranereagh and Barnadivane (Kneeves), near Teerelton, Co. Cork. The proposed wind farm comprises 6 wind turbines. I have listed the coordinates (ITM) of the turbines below and I have attached a KMZ file showing the turbine locations, which can be opened in google earth.

Fehily Timoney are currently in the process of updating the Environmental Impact Assessment Report (EIAR) in response to a request from An Bord Pleanála to provide an updated assessment given the passage of time since the submission of 2014 applications. Please read the enclosed cover letter outlining project details.

I would appreciate it if you would review the turbine locations and notify us if there are any foreseeable impacts in relation to **Cork Airport**, regarding aviation. We respectfully ask that you forward all responses **before Tuesday the 1st of November 2022** to provide adequate time to consider all material.

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

Turbine	Easting x (ITM)	Northing y (ITM)
T1	534486.5072	563861.2568
T2	534016.0003	563695.7039
T3	534198.5662	563333.788
T4	533772.0877	563159.9199
T5	533669.1692	562798.1353
T6	533695.5772	562414.011

Kind regards,
Sinéad

Sinead Lynch
Graduate Engineer

Fehily Timoney and Company
Core House, Pouladuff Road, Cork, T12 D773
t: +353 21 496 9573

www.fehilytimoney.ie  



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=====

From: [Roger Woods](#)
To: [Sinead Lynch](#)
Subject: RE: Barnadivane Wind Farm updated EIAR
Date: Wednesday 12 October 2022 09:17:21
Attachments: [image003.png](#)

Hi Sinead

The turbine locations are not close to any existing FM transmitter 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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Please consider the environment before printing this email

From: Sinead Lynch <sinead.lynch@ftco.ie>
Sent: Tuesday 11 October 2022 16:20
To: Roger Woods <rwoods@bai.ie>
Subject: RE: Barnadivane Wind Farm updated EIAR

Hi Roger,

Thanks for your response. Since my last email the turbine locations have changed. Can you please review the updated turbine locations shown in the table below and notify us if the updated turbine locations are in close proximity to any existing or planned FM transmission sites. The KMZ file showing the updated turbine locations is attached.

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

Turbine	Easting x (ITM)	Northing y (ITM)
T1	534486.5072	563861.2568
T2	534016.0003	563695.7039
T3	534198.5662	563333.788
T4	533772.0877	563159.9199
T5	533669.1692	562798.1353

T6	533695.5772	562414.011
----	-------------	------------

Kind regards,
Sinéad

From: Roger Woods <rwoods@bai.ie>
Sent: Friday 30 September 2022 12:26
To: Sinead Lynch <sinead.lynch@ftco.ie>
Cc: Jim Hughes <jim.hughes@ftco.ie>; Conor Crowther <conor.crowther@ftco.ie>
Subject: RE: Barnadivane Wind Farm updated EIAR

Hi Sinead

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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Please consider the environment before printing this email

From: Sinead Lynch <sinead.lynch@ftco.ie>
Sent: Thursday 29 September 2022 16:39
To: Roger Woods <rwoods@bai.ie>
Cc: Jim Hughes <jim.hughes@ftco.ie>; Conor Crowther <conor.crowther@ftco.ie>
Subject: Barnadivane Wind Farm updated EIAR

Greetings,

This consultation is regarding Barnadivane Wind Farm which is located in the townlands of

Lackareagh, Garranereagh and Barnadivane (Kneeves), near Teerelton, Co. Cork. The proposed wind farm comprises 6 wind turbines. Fehily Timoney are currently in the process of updating the Environmental Impact Assessment Report (EIAR) in response to a request from An Bord Pleanála to provide an updated assessment given the passage of time since the submission of 2014 applications, see enclosed letter for further details.

As part of the telecommunications impact assessment we have been prompted to contact telecommunications companies operating in the area of the project site.

Wind turbines have potential to interfere with telecommunications and broadband services if built in proximity to or between links. I have listed the coordinates (ITM) of the turbines below and I have attached a KMZ file which can be opened in google earth.

I would appreciate it if you would review the turbine locations and notify us if there are any foreseeable impacts in relation to your company's infrastructure. We respectfully ask that you forward all responses **before Friday the 28th of October 2022** to provide adequate time to consider all material.

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

Turbine ID	ITM Coordinates	
	X	Y
T1	534351.1	564083.0
T2	534050.2	563655.1
T3	534194.2	563331.1
T4	533762.2	563166.2
T5	533727.5	562739.2
T6	533706.3	562346.3

Kind regards,
Sinéad Lynch

Sinead Lynch
Graduate Engineer

Fehily Timoney and Company
Core House, Pouladuff Road, Cork, T12 D773
t: +353 21 496 4133

www.fehilytimoney.ie  



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From: [Oisin Brady](#)
To: [Sinead Lynch](#)
Subject: [Digiweb #2898173] FW: Barnadivane Wind Farm updated EIAR
Date: Monday 10 October 2022 12:37:15

Hi Sinead,

Could you please send this directly through to RFOperations@viatel.com (<mailto:RFOperations@viatel.com>)
. They would be best to review this for you.

Thanks again,

--

Kind Regards,
Oisin | Level 1 Technical Support
T: +353 42 9393300 E:support@digiweb.ie W:www.digiweb.ie
A: IDA Business & Technology Park, Dundalk, Co. Louth Ireland

From: [John Bagnall](#)
To: [Sinead Lynch](#)
Subject: Re: Barnadivane Wind Farm updated EIAR
Date: Friday 21 October 2022 11:13:19
Attachments: [image006.png](#)
[image007.png](#)
[b4cc13e6-6a02-4fb1-adae-54231cde7245.png](#)

Hi Sinead,

We have no transmission links within the proposed area of Barnadivane and it has no risk to the network.

Kind regards,



John Bagnall
Transmission Design & Engineering

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

On Mon, 17 Oct 2022 at 11:26, Sinead Lynch <sinead.lynch@ftco.ie> wrote:

Greetings,

This consultation is regarding Barnadivane Wind Farm which is located in the townlands of Lackareagh, Garranereagh and Barnadivane (Kneeves), near Teerelton, Co. Cork. The proposed wind farm comprises 6 wind turbines. Fehily Timoney are currently in the process of updating the Environmental Impact Assessment Report (EIAR) in response to a request from An Bord Pleanála to provide an updated assessment given the passage of time since the submission of 2014 applications, see enclosed letter for further details.

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I would appreciate it if you would review the turbine locations and notify us if there are any foreseeable impacts in relation to your company's infrastructure. We respectfully ask that you forward all responses **before Tuesday the 1st of November 2022** to provide adequate time to consider all material.

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

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T1	534486.5072	563861.2568
T2	534016.0003	563695.7039
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T4	533772.0877	563159.9199
T5	533669.1692	562798.1353
T6	533695.5772	562414.011

Kind regards,

Sinéad



Sinéad Lynch
Graduate Engineer

Fehily Timoney and Company

J5 Plaza, North Park Business Park, North Road, Dublin 11, D11 PXT0

t: +353 1 658 3500

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From: [Peter O`Brien](#)
To: [Sinead Lynch](#)
Subject: RE: Barnadivane Wind Farm updated EIAR
Date: Friday 7 October 2022 11:17:55
Attachments: [image001.png](#)
[image002.png](#)
[image005.png](#)

Hi Sinead,

Thanks for that,

These turbines won't affect our current network,

Regards,
Peter

Peter O`Brien | Licensed Link planner

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

M: [+353867744313](tel:+353867744313) | **W:** www.enet.ie



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From: Sinead Lynch <sinead.lynch@ftco.ie>

Sent: Friday, October 7, 2022 9:39 AM

To: Peter O`Brien <peter.obrien@enet.ie>

Subject: RE: Barnadivane Wind Farm updated EIAR

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Hi Peter,

Please find kml file attached

Kind regards,
Sinéad

From: Peter O'Brien <peter.obrien@enet.ie>
Sent: Thursday 6 October 2022 15:17
To: Sinead Lynch <sinead.lynch@ftco.ie>
Subject: RE: Barnadivane Wind Farm updated EIAR

Hi Sinead,

Can you send the turbine locations in a Google Earth kml file so that I can check against our network please?

Regards,
Peter

Peter O'Brien | Licensed Link planner

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

M: [+353867744313](tel:+353867744313) | **W:** www.enet.ie



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From: Sinead Lynch <sinead.lynch@ftco.ie>
Sent: Thursday, October 6, 2022 3:05 PM
To: Peter O'Brien <peter.obrien@enet.ie>
Subject: RE: Barnadivane Wind Farm updated EIAR

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Hi Peter,

With regards to my previous email the turbine locations have changed, can you please review the updated turbine locations shown in the table below and notify us if there are any foreseeable impacts in relation to your company's infrastructure.

Turbine	Easting x (ITM)	Northing y (ITM)

T1	534486.5072	563861.2568
T2	534016.0003	563695.7039
T3	534198.5662	563333.788
T4	533772.0877	563159.9199
T5	533669.1692	562798.1353
T6	533695.5772	562414.011

Kind regards,
Sinéad Lynch

From: Peter O'Brien <peter.obrien@enet.ie>
Sent: Monday 3 October 2022 08:23
To: Sinead Lynch <sinead.lynych@ftco.ie>
Subject: RE: Barnadivane Wind Farm updated EIAR

Hi Sinéad,

These turbines won't affect our current network,

Regards,
Peter

Peter O'Brien | Licensed Link planner

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

M: [+353867744313](tel:+353867744313) | **W:** www.enet.ie



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From: Sinead Lynch <sinead.lynych@ftco.ie>
Sent: Thursday 29 September 2022 16:59
To: Info <Info@e-net.ie>
Subject: Barnadivane Wind Farm updated EIAR

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Greetings,

This consultation is regarding Barnadivane Wind Farm which is located in the townlands of Lackareagh, Garranereagh and Barnadivane (Kneeves), near Teerelton, Co. Cork. The proposed wind farm comprises 6 wind turbines. Fehily Timoney are currently in the process of updating the Environmental Impact Assessment Report (EIAR) in response to a request from An Bord Pleanála to provide an updated assessment given the passage of time since the submission of 2014 applications, see enclosed letter for further details.

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Wind turbines have potential to interfere with telecommunications and broadband services if built in proximity to or between links. I have listed the coordinates (ITM) of the turbines below and I have attached a KMZ file which can be opened in google earth.

I would appreciate it if you would review the turbine locations and notify us if there are any foreseeable impacts in relation to your company's infrastructure. We respectfully ask that you forward all responses **before Friday the 28th of October 2022** to provide adequate time to consider all material.

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

Turbine ID	ITM Coordinates	
	X	Y
T1	534351.1	564083.0
T2	534050.2	563655.1
T3	534194.2	563331.1
T4	533762.2	563166.2
T5	533727.5	562739.2
T6	533706.3	562346.3

Kind regards,
Sinéad Lynch

Sinead Lynch
Graduate Engineer

Fehily Timoney and Company
Core House, Pouladuff Road, Cork, T12 D773
t: +353 21 496 4133

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From: [Support](#)
To: [Sinead Lynch](#)
Subject: Thank you for your mail to Magnet+ Technical Support
Date: Monday 10 October 2022 12:04:07



Thank you for your email to Magnet+ Residential Technical Support. Your case reference number is **01129657**. We will be in contact with you within 72 hours. Need an answer sooner.....please visit <https://www.magnet.ie/support/> where we have user guides to download and FAQ's to help you with your query.

If your issue is urgent please contact a member of our Customer Services Team directly on 1800 789 789. Our offices are open from 8am to 8pm Monday to Friday and 10am to 4pm Weekends and Bank Holidays.

To log a new support case please email residentialsupport@magnetplus.ie or for account enquiries please email collections@magnetplus.ie

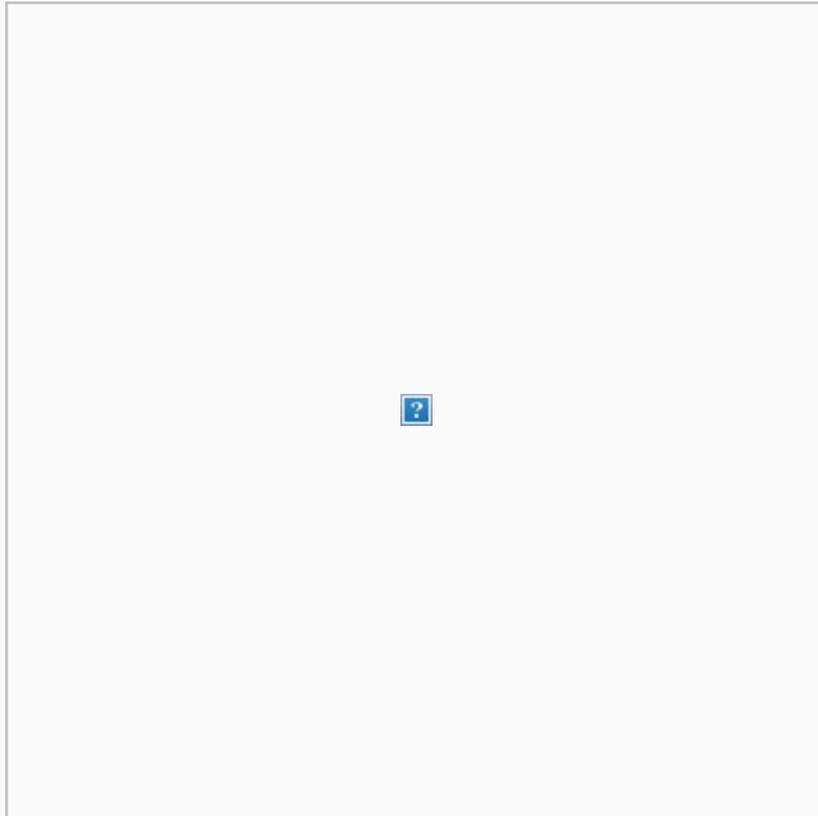
Magnet Networks Limited
IDA Business and Technology Park,
Clonshaugh,
Dublin 17
Ireland

Business Sales 1800 819 888
Residential Sales 1800 819 999
Customer Support & Billing 1800
789 789
Web: www.magnetplus.ie

Registered Office:
IDA Business and Technology Park,
Clonshaugh,
Dublin 17
Company Registration No. 391141

From: [IMS Support](#)
To: [Sinead Lynch](#)
Subject: #173496 New Support Ticket Created
Date: Monday 10 October 2022 12:04:25

--REPLY above this line to respond--



A Message From Support

Hello ,

Service Ticket # **173496**, has been created for you.

To update this service ticket please reply directly to this email.

IMPORTANT: Please note that Munster Broadband has ceased operating as of June 30th 2022. Please visit www.munsterbroadband.ie/shutdown for all details regarding the shutdown and to review alternative broadband providers.

Description: FW: Barnadivane Wind Farm updated EIAR

Service Detail:

Mon 10/10/2022/12:04 pm UTC+01/ sinead.lynch@ftco.ie

To whom it may concern,

With regards to my previous email below, the turbine locations have changed. Can you please review the updated turbine locations shown in the table below and notify us if there are any foreseeable impacts in relation to your company's infrastructure. The KMZ file showing the updated turbine locations is attached.

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

Turbine	Easting x (ITM)	Northing y (ITM)
T1	534486.5072	563861.2568
T2	534016.0003	563695.7039
T3	534198.5662	563333.788
T4	533772.0877	563159.9199
T5	533669.1692	562798.1353
T6	533695.5772	562414.011

Kind regards,
Sinéad

From: Sinead Lynch
Sent: Friday 30 September 2022 08:56
To: support@munsterbroadband.ie
Subject: Barnadivane Wind Farm updated EIAR

Greetings,

This consultation is regarding Barnadivane Wind Farm which is located in the townlands of Lackareagh, Garranereagh and Barnadivane (Kneeves), near Teerelton, Co. Cork. The proposed wind farm comprises 6 wind turbines. Fehily Timoney are currently in the process of updating the Environmental Impact Assessment Report (EIAR) in response to a request from An Bord Pleanála to provide an updated assessment given the passage of time since the submission of 2014 applications, see enclosed letter for further details.

As part of the telecommunications impact assessment we have been prompted to contact telecommunications companies operating in the area of the project site.

Wind turbines have potential to interfere with telecommunications and broadband services if built in proximity to or between links. I have listed the coordinates (ITM) of the turbines below and I have attached a KMZ file which can be opened in google earth.

I would appreciate it if you would review the turbine locations and notify us if there are any foreseeable impacts in relation to your company's infrastructure. We respectfully ask that you forward all responses **before Friday the 28th of October 2022** to provide adequate time to consider all material.

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

Turbine ID

ITM Coordinates

X

Y

T1

534351.1

564083.0

T2

534050.2

563655.1

T3

534194.2

563331.1

T4

533762.2

563166.2

T5

533727.5

562739.2

T6

533706.3

562346.3

Kind regards,

Sinéad Lynch

Sinead Lynch

Graduate Engineer

Fehily Timoney and Company

Core House, Pouladuff Road, Cork, T12 D773

t: +353 21 496 4133

www.fehilytimoney.ie



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Please quote the Service Request Number shown above when contacting us for updates

[Visit our Website](#)

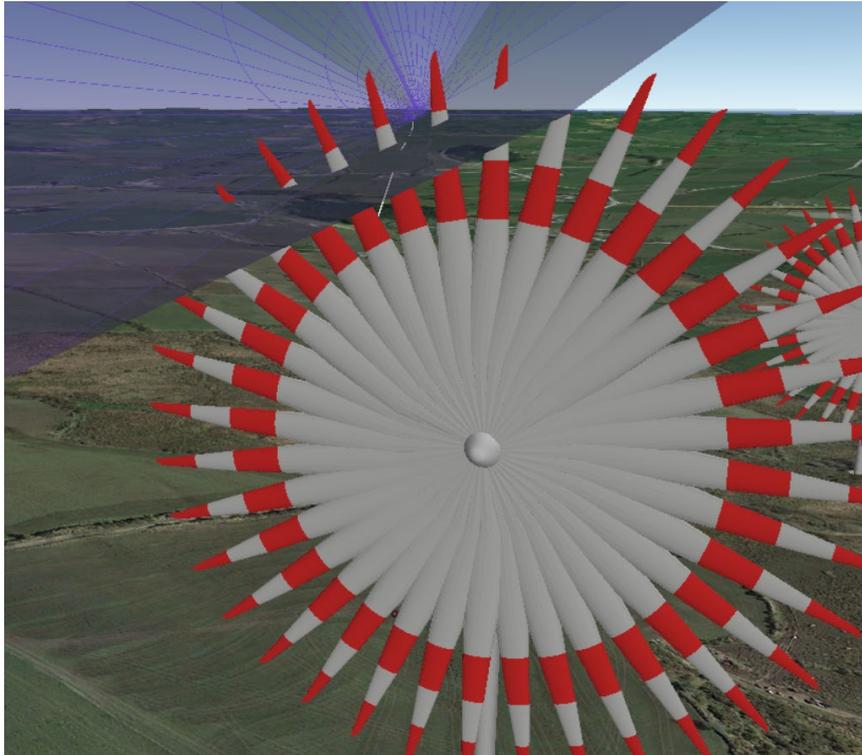
[Contact Us](#)

Hours: Monday - Friday 8.30am - 5.00pm (GMT)
Phone: +353 61 571 610

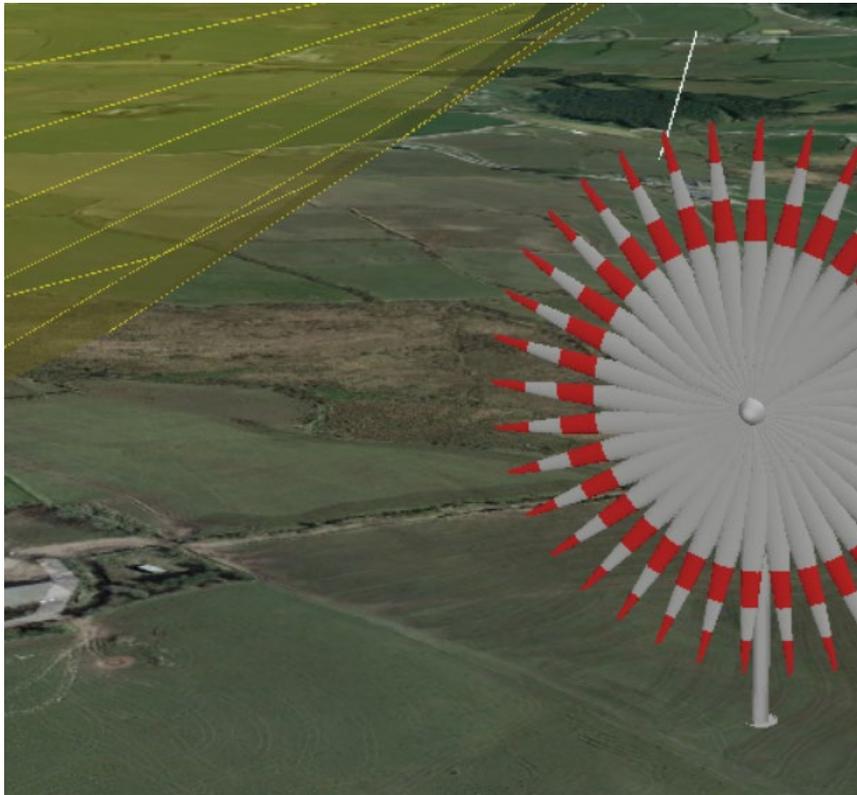
From: [Matthew Craig](#)
To: [Sinead Lynch](#)
Cc: [Johnny Evans](#); windfarms@rte.ie
Subject: RE: Barnadivane Wind Farm updated EIAR
Date: Thursday 6 October 2022 15:55:13
Attachments: [image005.png](#)
[image008.png](#)
[image001.png](#)

Hi Sinéad,

T5 is still impinging onto the 2nd Fresnel zone:



But has missed the 1st Fresnel Zone so it should be OK



There is however still here the risk of interference to broadcast services in the area from Mullaghanish.

We would therefore ask for a protocol to be signed between the developer and 2rn should the site go ahead.

Regards

Matthew Craig

Project Engineer

Projects and Coverage Planning

2RN

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

Phone: + 353 (0) 1 2082261 Mobile: + 353 (0) 87 7509955

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From: Sinead Lynch <sinead.lynch@ftco.ie>

Sent: Thursday 6 October 2022 15:01

To: Matthew Craig <matthew.craig@2rn.ie>

Subject: RE: Barnadivane Wind Farm updated EIAR

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

Hi Matthew,

With regards to my previous email the turbine locations have changed, can you please review the updated turbine locations shown in the table below and notify us if there are any foreseeable impacts in relation to your company's infrastructure.

The 6 turbines will have a blade tip height of up to 131m, a hub height of 72.5m and a rotor diameter range of 117m

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T5	533669.1692	562798.1353
T6	533695.5772	562414.011

Kind regards,
Sinéad Lynch

From: Matthew Craig <matthew.craig@2rn.ie>
Sent: Friday 30 September 2022 11:18
To: Sinead Lynch <sinead.lynych@ftco.ie>
Cc: windfarms <windfarms@rte.ie>; Johnny Evans <Johnny.Evans@rte.ie>
Subject: RE: Barnadivane Wind Farm updated EIAR

Hi Sinead,

Our fixed microwave linking will not be affected by the proposed windfarm. There is however have an off air link between our main site at Mullaghanish and the relay site Timoleague that is a cause for concern depending on the size of the turbine five and possibly turbine four.

I have attached a .kmz file with the 2nd Fresnel zone of the link.

Could you please let us know when you have the turbine dimensions and we will investigate further.

The details of the link are in the table below.

Site	Lat.	Long.	Ant height AMSL (m)	Freq (MHz)
Mullaghanish	51.983387	-9.14431	858	474
Timoleague	51.621536	-8.755438	109	

There is also the risk of interference to broadcast services in the area for our services from Mullaghanish.

We would therefore ask for a protocol to be signed between the developer and 2rn should the site go ahead.

Regards

Matthew Craig

Project Engineer

Projects and Coverage Planning

2RN

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

Phone: + 353 (0) 1 2082261 Mobile: + 353 (0) 87 7509955

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From: windfarms <windfarms@rte.ie>

Sent: Friday 30 September 2022 09:33

To: Johnny Evans <Johnny.Evans@rte.ie>; Matthew Craig <matthew.craig@2rn.ie>

Subject: FW: Barnadivane Wind Farm updated EIAR

From: Sinead Lynch <sinead.lynch@ftco.ie>

Sent: Friday, September 30, 2022 9:32:31 AM (UTC+00:00) Dublin, Edinburgh, Lisbon, London

To: windfarms <windfarms@rte.ie>

Subject: Barnadivane Wind Farm updated EIAR

You don't often get email from sinead.lynch@ftco.ie. [Learn why this is important](#)

Greetings,

This consultation is regarding Barnadivane Wind Farm which is located in the townlands of Lackareagh, Garranereagh and Barnadivane (Kneevs), near Teerelton, Co. Cork. The proposed wind farm comprises 6 wind turbines. Fehily Timoney are currently in the process of updating the Environmental Impact Assessment Report (EIAR) in response to a request from An Bord Pleanála to provide an updated assessment given the passage of time since the submission of 2014 applications, see enclosed letter for further details.

As part of the telecommunications impact assessment we have been prompted to contact telecommunications companies operating in the area of the project site.

Wind turbines have potential to interfere with telecommunications and broadband services if built in proximity to or between links. I have listed the coordinates (ITM) of the turbines below and I have attached a KMZ file which can be opened in google earth.

I would appreciate it if you would review the turbine locations and notify us if there are any foreseeable impacts in relation to your company's infrastructure. We respectfully ask that you forward all responses **before Friday the 28th of October 2022** to provide adequate time to consider all material.

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

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T6	533706.3	562346.3

Kind regards,
Sinéad Lynch

Sinead Lynch
Graduate Engineer

Fehily Timoney and Company

Core House, Pouladuff Road, Cork, T12 D773
t: +353 21 496 4133

www.fehilytimoney.ie  



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From: [Thomas Barry](#)
To: [Sinead Lynch](#)
Subject: FW: EXTERNAL MAIL:- FW: Barnadivane Wind Farm updated EIAR
Date: Friday 14 October 2022 16:15:30
Attachments: [image003.png](#)
[9bf479da-85df-4a32-bcb7-fc83f8af73d4.png](#)
[P21_143_Proposed_Turbine_Lavout.kmz](#)

You don't often get email from tom.barry@tetraireland.ie. [Learn why this is important](#)

Sinead,

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

Regards,
Tom

From: Derek Rosarius
Sent: Monday 10 October 2022 16:25
To: Thomas Barry
Subject: FW: EXTERNAL MAIL:- FW: Barnadivane Wind Farm updated EIAR

Sent to info.

Derek Rosarius | Quality & Compliance Manager |

TETRA Ireland Communications Ltd

Block 43a, 2nd floor, Yeats Way, Parkwest Business Park, Nangor Road, D12

M +353 85 1746044 | E_derek.rosarius@tetraireland.ie | www.tetraireland.ie/

----- Original message -----

From: Sinead Lynch <sinead.lynch@ftco.ie>
Date: 10/10/2022 12:08 PM (GMT+00:00)
To: Info <info@TETRAIRELAND.IE>
Subject: EXTERNAL MAIL:- FW: Barnadivane Wind Farm updated EIAR

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To whom it may concern,

With regards to my previous email below, the turbine locations have changed. Can you please review the updated turbine locations shown in the table below and notify us if there are any foreseeable impacts in relation to your company's infrastructure. The KMZ file showing the

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

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T5	533669.1692	562798.1353
T6	533695.5772	562414.011

Kind regards,
Sinéad

From: Sinead Lynch
Sent: Friday 30 September 2022 09:46
To: info@tetraireland.ie
Subject: Barnadivane Wind Farm updated EIAR

Greetings,

This consultation is regarding Barnadivane Wind Farm which is located in the townlands of Lackareagh, Garranereagh and Barnadivane (Kneevies), near Teerelton, Co. Cork. The proposed wind farm comprises 6 wind turbines. Fehily Timoney are currently in the process of updating the Environmental Impact Assessment Report (EIAR) in response to a request from An Bord Pleanála to provide an updated assessment given the passage of time since the submission of 2014 applications, see enclosed letter for further details.

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Wind turbines have potential to interfere with telecommunications and broadband services if built in proximity to or between links. I have listed the coordinates (ITM) of the turbines below and I have attached a KMZ file which can be opened in google earth.

I would appreciate it if you would review the turbine locations and notify us if there are any foreseeable impacts in relation to your company's infrastructure. We respectfully ask that you forward all responses **before Friday the 28th of October 2022** to provide adequate time to consider all material.

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

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	X	Y
T1	534351.1	564083.0

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T3	534194.2	563331.1
T4	533762.2	563166.2
T5	533727.5	562739.2
T6	533706.3	562346.3

Kind regards,
Sinéad Lynch

Sinead Lynch
Graduate Engineer

Fehily Timoney and Company

Core House, Pouladuff Road, Cork, T12 D773
t: +353 21 496 4133

www.fehilytimoney.ie  



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From: [Alister Cole](#)
To: [Sinead Lynch](#)
Cc: [Sean Kelly](#); [DL Estates ROI](#)
Subject: RE: Barnadivane Wind Farm updated EIAR
Date: Friday 7 October 2022 14:24:54
Attachments: [image004.png](#)

Hi Sinead,

That's great thank you.

I have reviewed the new turbine locations and the 3Ireland microwave transmission network will still not be impacted.

Best regards,

Alister



Alister Cole
Transmission Engineer

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

From: Sinead Lynch <sinead.lynch@ftco.ie>
Sent: 07 October 2022 14:11
To: Alister Cole <Alister.Cole1@three.ie>
Subject: RE: Barnadivane Wind Farm updated EIAR

CAUTION! External Email.

Hi Alister,

Please see updated .kmz file attached

Kind regards,
Sinéad

From: Alister Cole <Alister.Cole1@three.ie>
Sent: Friday 7 October 2022 14:09
To: Sinead Lynch <sinead.lynch@ftco.ie>
Cc: Sean Kelly <Sean.Kelly2@three.ie>; DL Estates ROI <Estates@three.ie>
Subject: RE: Barnadivane Wind Farm updated EIAR

Hi Sinead,

Would you have an updated .kmz for the new turbine locations.

Regards,

Alister



Alister Cole
Transmission Engineer

Mobile: 086 6024556

Email: Alister.Cole1@three.ie

From: Sinead Lynch <sinead.lynch@ftco.ie>

Sent: 06 October 2022 15:07

To: Alister Cole <Alister.Cole1@three.ie>

Cc: Sean Kelly <Sean.Kelly2@three.ie>; DL Estates ROI <Estates@three.ie>

Subject: RE: Barnadivane Wind Farm updated EIAR

CAUTION! External Email.

Hi Alister,

With regards to my previous email the turbine locations have changed, can you please review the updated turbine locations shown in the table below and notify us if there are any foreseeable impacts in relation to your company's infrastructure.

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T5	533669.1692	562798.1353
T6	533695.5772	562414.011

Kind regards,
Sinéad Lynch

From: Alister Cole <Alister.Cole1@three.ie>

Sent: Wednesday 5 October 2022 11:07

To: Sinead Lynch <sinead.lynch@ftco.ie>
Cc: Sean Kelly <Sean.Kelly2@three.ie>; DL Estates ROI <Estates@three.ie>
Subject: RE: Barnadivane Wind Farm updated EIAR

Hi Sinead,

I have reviewed the turbine locations for the proposed Barnadivane wind farm and 3Ireland have no microwave transmission links that traverse the area or that could potentially be affected.

Best regards,

Alister



Alister Cole
Transmission Engineer

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

From: Sinead Lynch <sinead.lynch@ftco.ie>
Sent: 30 September 2022 09:49
To: Alister Cole <Alister.Cole1@three.ie>
Subject: Barnadivane Wind Farm updated EIAR

CAUTION! External Email.

Greetings,

This consultation is regarding Barnadivane Wind Farm which is located in the townlands of Lackareagh, Garranereagh and Barnadivane (Kneevs), near Teerelton, Co. Cork. The proposed wind farm comprises 6 wind turbines. Fehily Timoney are currently in the process of updating the Environmental Impact Assessment Report (EIAR) in response to a request from An Bord Pleanála to provide an updated assessment given the passage of time since the submission of 2014 applications, see enclosed letter for further details.

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

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T6	533706.3	562346.3

Kind regards,
Sinéad Lynch

Sinead Lynch
Graduate Engineer

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From: [Fiona Byrne, Vodafone \(External\)](#)
To: [Sinead Lynch](#)
Cc: [Gavin Byrne, Vodafone](#); [Sean Lyons, Vodafone \(External\)](#)
Subject: RE: Barnadivane Wind Farm updated EIAR
Date: Monday 10 October 2022 13:59:05
Attachments: [image007.png](#)
[image008.png](#)
[image011.png](#)

Hi Sinead,

Based on the below new turbine locations I can confirm there will be no impact to our Network.

Turbine	Easting x (ITM)	Northing y (ITM)
T1	534486.5072	563861.2568
T2	534016.0003	563695.7039
T3	534198.5662	563333.788
T4	533772.0877	563159.9199
T5	533669.1692	562798.1353
T6	533695.5772	562414.011

Kind Regards,



Fiona Byrne
Transmission Engineer
Technology- NET
+353879938050
fiona.byrne2@vodafone.com

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

vodafone.ie

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Ready?

C2 General

From: Sean Lyons, Vodafone (External) <sean.lyons@vodafone.com>
Sent: Monday 10 October 2022 13:31
To: Fiona Byrne, Vodafone (External) <fiona.byrne2@vodafone.com>
Cc: Gavin Byrne, Vodafone <gavin.byrne@vodafone.com>
Subject: FW: Barnadivane Wind Farm updated EIAR

Hi Fiona,

Can you please look into this proposed windfarm?

Send you findings to:
Sinead Lynch <sinead.lynch@ftco.ie>

Thanks,

Seán Lyons
Transmission Program Manager
Converged Transmission
Technology- NET

+353877758117
sean.lyons@vodafone.com



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Registered in Ireland: No. 326967

C2 General

From: Gavin Byrne, Vodafone <gavin.byrne@vodafone.com>
Sent: Monday 10 October 2022 13:19
To: Sean Lyons, Vodafone (External) <sean.lyons@vodafone.com>
Cc: Shane O'Neill, Vodafone <shane.oneill2@vodafone.com>; Alan Crosby, Vodafone <alan.crosby@vodafone.com>
Subject: FW: Barnadivane Wind Farm updated EIAR

Hi Sean,

Can you ask one of the team to look at the attached windfarm.

Thanks

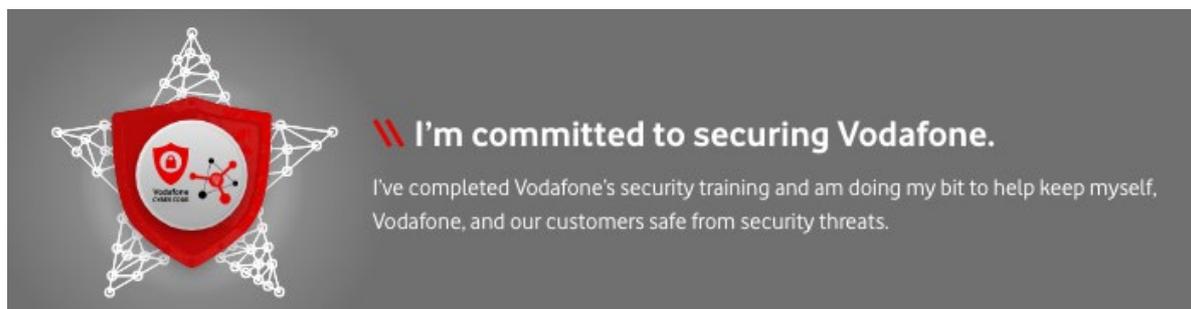


Gavin Byrne
Senior TX Planning & Design Engineer
Converged Transmission
+353 876448159
gavin.byrne@vodafone.com

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MountainView, Leopardstown, Dublin 18,
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C2 General

From: Sinead Lynch <sinead.lynch@ftco.ie>
Sent: Monday 10 October 2022 12:10
To: Gavin Byrne, Vodafone <gavin.byrne@vodafone.com>
Subject: FW: Barnadivane Wind Farm updated EIAR

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

To whom it may concern,

With regards to my previous email below, the turbine locations have changed. Can you please review the updated turbine locations shown in the table below and notify us if there are any foreseeable impacts in relation to your company's infrastructure. The KMZ file showing the updated turbine locations is attached.

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

Turbine	Easting x (ITM)	Northing y (ITM)
T1	534486.5072	563861.2568
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T3	534198.5662	563333.788
T4	533772.0877	563159.9199
T5	533669.1692	562798.1353
T6	533695.5772	562414.011

Kind regards,
Sinéad

From: Sinead Lynch
Sent: Friday 30 September 2022 10:05
To: gavin.byrne@vodafone.com
Subject: Barnadivane Wind Farm updated EIAR

Greetings,

This consultation is regarding Barnadivane Wind Farm which is located in the townlands of Lackareagh, Garranereagh and Barnadivane (Kneevies), near Teerelton, Co. Cork. The proposed wind farm comprises 6 wind turbines. Fehily Timoney are currently in the process of updating the Environmental Impact Assessment Report (EIAR) in response to a request from An Bord Pleanála to provide an updated assessment given the passage of time since the submission of 2014 applications, see enclosed letter for further details.

As part of the telecommunications impact assessment we have been prompted to contact telecommunications companies operating in the area of the project site.

Wind turbines have potential to interfere with telecommunications and broadband services if built in proximity to or between links. I have listed the coordinates (ITM) of the turbines below and I have attached a KMZ file which can be opened in google earth.

I would appreciate it if you would review the turbine locations and notify us if there are any foreseeable impacts in relation to your company's infrastructure. We respectfully ask that you forward all responses **before Friday the 28th of October 2022** to provide adequate time to consider all material.

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

Turbine ID	ITM Coordinates	
	X	Y
T1	534351.1	564083.0
T2	534050.2	563655.1
T3	534194.2	563331.1
T4	533762.2	563166.2
T5	533727.5	562739.2
T6	533706.3	562346.3

Kind regards,

Sinéad Lynch

Sinead Lynch
Graduate Engineer

Fehily Timoney and Company
Core House, Pouladuff Road, Cork, T12 D773
t: +353 21 496 4133

www.fehilytimoney.ie  



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From: [Gerard Healy](#)
To: [Sinead Lynch](#)
Subject: Re: Barnadivane Wind Farm updated EIAR
Date: Thursday 6 October 2022 17:56:24

Hi Sinead,
No effect on us.
Thanks

On Thu 6 Oct 2022, 14:27 Sinead Lynch, <sinead.lynch@ftco.ie> wrote:

Hi Gerard,

With regards to my previous email the turbine locations have changed, can you please review the updated turbine locations shown in the table below and notify us if there are any foreseeable impacts in relation to your company's infrastructure.

Turbine	Easting x (ITM)	Northing y (ITM)
T1	534486.5072	563861.2568
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T6	533695.5772	562414.011

Kind regards,

Sinéad Lynch

From: Gerard Healy <gerard.healy@wirelessconnect.eu>
Sent: Friday 30 September 2022 10:50
To: Sinead Lynch <sinead.lynch@ftco.ie>
Cc: Wireless Connect Ltd <support@wirelessconnect.ie>
Subject: Re: Barnadivane Wind Farm updated EIAR

Hello,

This does not affect us.

Regards

Gerard Healy

On Fri 30 Sep 2022, 10:08 Sinead Lynch, <sinead.lynch@ftco.ie> wrote:

Greetings,

This consultation is regarding Barnadivane Wind Farm which is located in the townlands of Lackareagh, Garranereagh and Barnadivane (Kneeves), near Teerelton, Co. Cork. The proposed wind farm comprises 6 wind turbines. Fehily Timoney are currently in the process of updating the Environmental Impact Assessment Report (EIAR) in response to a request from An Bord Pleanála to provide an updated assessment given the passage of time since the submission of 2014 applications, see enclosed letter for further details.

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	X	Y
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T5	533727.5	562739.2
T6	533706.3	562346.3

Kind regards,

Sinéad Lynch

Sinead Lynch
Graduate Engineer

Fehily Timoney and Company

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14th October 2022

Attn Mr Conor Crowther
Fehily Timoney
Consultants in Engineering
Core House
Pouladuff Road
Cork T12 D773

Your Ref: P21143
Applicant Name: Barnadivane Wind Farm

Re: The proposed wind farm comprises 6 wind turbines. I have listed the coordinates (ITM) of the turbines in the townlands of Lackareagh, Garranereagh and Barnadivane (Kneevs), near Teerelton, Co. Cork

Distribution CC

Job No. P21-143

Correspondence No. 1

Comment:

A Chara,

I refer to your letter of the 29th September in regard to the consultation regarding Barnadivane Wind Farm.

The Irish Aviation Authority (IAA) Air Navigation Services Division (ANSD) does not get involved in the planning process. The IAA ANSD is to be notified as detailed hereafter:

According to S.I. 215 of 2005, Irish Aviation Authority (Obstacles to Aircraft in Flight), the IAA ANSD requires any person who seeks to erect a manmade object to notify the aerodrome operator of the intended operation **at least thirty days** in advance if the structure is to be erected in the vicinity of the aerodrome or the areas around the aerodrome and other protected surfaces associated with the aerodrome. Aerodrome Operators can be contacted via IAA AIP AD 1.3 INDEX TO AERODROMES AND HELIPORTS, to evaluate the impact of the intended operation on the protected airspace established for the aerodrome.

Additionally, any person who seeks to erect a manmade object in excess of 45 metres anywhere within the state above ground or water surface level must also notify the IAA ANSD of the intended crane erection **at least thirty days** in advance, as a crane operating at or above this height may constitute an obstacle to air navigation. The IAA ANSD can be contacted via airspace@iaa.ie.

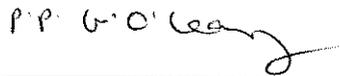
The State requires electronic terrain and obstacle data (eTOD) in accordance with International Civil Aviation Organisation (ICAO) Annex 15 requirements which shall be surveyed by Ordnance Survey Ireland (OSi). The cost of this OSi surveyed data is to be borne by the developer. Additionally, the following data is to be supplied once construction is planned or commenced or available to the airspace team via airspace@iaa.ie:

- The WGS84 coordinates (In degrees, minutes and seconds) for each turbine?
- Height above ground level (to blade tip) and elevation above mean sea level (to blade tip)?
- Verification if it's a standalone wind farm or is merged with others. Does the wind farm have any alternative names?
- Horizontal extent (rotor diameter) of turbines and blade length where applicable?
- Lighting of the wind farm, which turbine(s) is/are lit, and what type of lighting?

ICAO Light Type	Colour
Low-intensity Type A (fixed obstacle)	Red
Low-intensity Type B (fixed obstacle)	Red
Low-intensity Type C (mobile obstacle)	Yellow/Blue
Low-intensity Type D (follow-me vehicle)	Yellow
Low-intensity Type E	Red
Medium-intensity Type A	White
Medium-intensity Type B	Red
Medium-intensity Type C	Red
High-intensity Type A	White
High-intensity Type B	White

If you have any questions, please don't hesitate to contact the airspace team at airspace@iaa.ie.

Yours sincerely



Deirdre Forrest
Corporate Affairs