



AI#2 Appendix A Consultation with BT





Subject: FW: Stornoway Wind Farm - Section 36 Consultation - Consultees

From: paul.3.atkinson@openreach.co.uk <paul.3.atkinson@openreach.co.uk> **On Behalf Of**
radionetworkprotection@bt.com

Sent: 25 June 2019 13:55

To: Doggett, Tim <tim.doggett@woodplc.com>

Cc: radionetworkprotection@bt.com; paul.3.atkinson@openreach.co.uk

Subject: RE: Stornoway Wind Farm - Section 36 Consultation - Consultees

OUR REF: WID11013 & WID10989 T1-T35

Dear Mr Doggett,

Turbine 7 is 147.65m away from the 8 x radio links but from the rotor blade tip to radio links is only 79m.

Ideally BT prefer a 100mtr buffer zone for operational and contingency reasons, however on extreme occasions BT will only accept as an absolute

minimum requirement , a 25mtr buffer from the edge of the 2nd Fresnel zone to the blade tip of any turbine.

To air on caution, due to the long path length of almost 35km of the 8 x radio links, BT would be prepared to accept the location of Turbine 7 if there is

no alternative to re-locating due to environmental constraints and able to achieve our preferred clearance of 100m from the blade tip, but only with a

caveat, that there will be no micro siting of the turbine closer to our radio links regardless of ground conditions.

Kind Regards,

Paul Atkinson

Fibre and Network Delivery

Radio Frequency Allocation & Network Protection (BNJ112)

Openreach

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Registered in England and Wales no. 10690039

From: Doggett, Tim [<mailto:tim.doggett@woodplc.com>]
Sent: 20 June 2019 14:36
To: radionetworkprotection G
Cc: Birnie, Sue; Taggart, Catherine
Subject: RE: Stornoway Wind Farm - Section 36 Consultation - Consultees

Dear Sir/Madam

Thank you for your consultation response below regarding the BT point to point microwave links on the Stornoway site.

Whilst I understand BT's preference is for a clearance of 100m+blade tip from the link, unfortunately this has not been possible to achieve on this site due to other constraints.

In previous correspondence with BT on other wind farm sites, I have however been advised that "*BT will only accept as a minimum requirement , a 25mtr buffer from the edge of the 2nd Fresnel zone to the blade tip of any turbine*".

I have calculated the 2nd Fresnel zone as being 29.54m, using the information provided below. This plus the 25m buffer gives a total of 54.54m. Adding the blade length of 68m gives a minimum clearance distance of 122.54m from the blade tip, based on the above quoted requirement.

As turbine 7 is 147.65m away from the link would BT be prepared to accept the location of turbine 7 as it currently stands in conjunction with a planning condition not to move the turbine any more than 10m closer to the link during any micrositing activities, should they be required for reasons of ground conditions etc?

Many thanks

Tim

Tim Doggett
Senior Consultant
Direct: +44 (0)131 448 1172
www.woodplc.com

wood.

From: paul.3.atkinson@openreach.co.uk <paul.3.atkinson@openreach.co.uk> **On Behalf Of**
radionetworkprotection@bt.com
Sent: 29 May 2019 17:17
To: Christopher.Park@gov.scot; [Econsents Admin@gov.scot](mailto:Econsents_Admin@gov.scot)
Cc: radionetworkprotection@bt.com
Subject: RE: Stornoway Wind Farm - Section 36 Consultation - Consultees

OUR REF: WID10989 T1-T35

Thank you for your email dated 28/05/2019 regarding this windfarm proposal.

We have studied the windfarm proposal with respect to EMC and related problems to BT point-to-point microwave radio links.

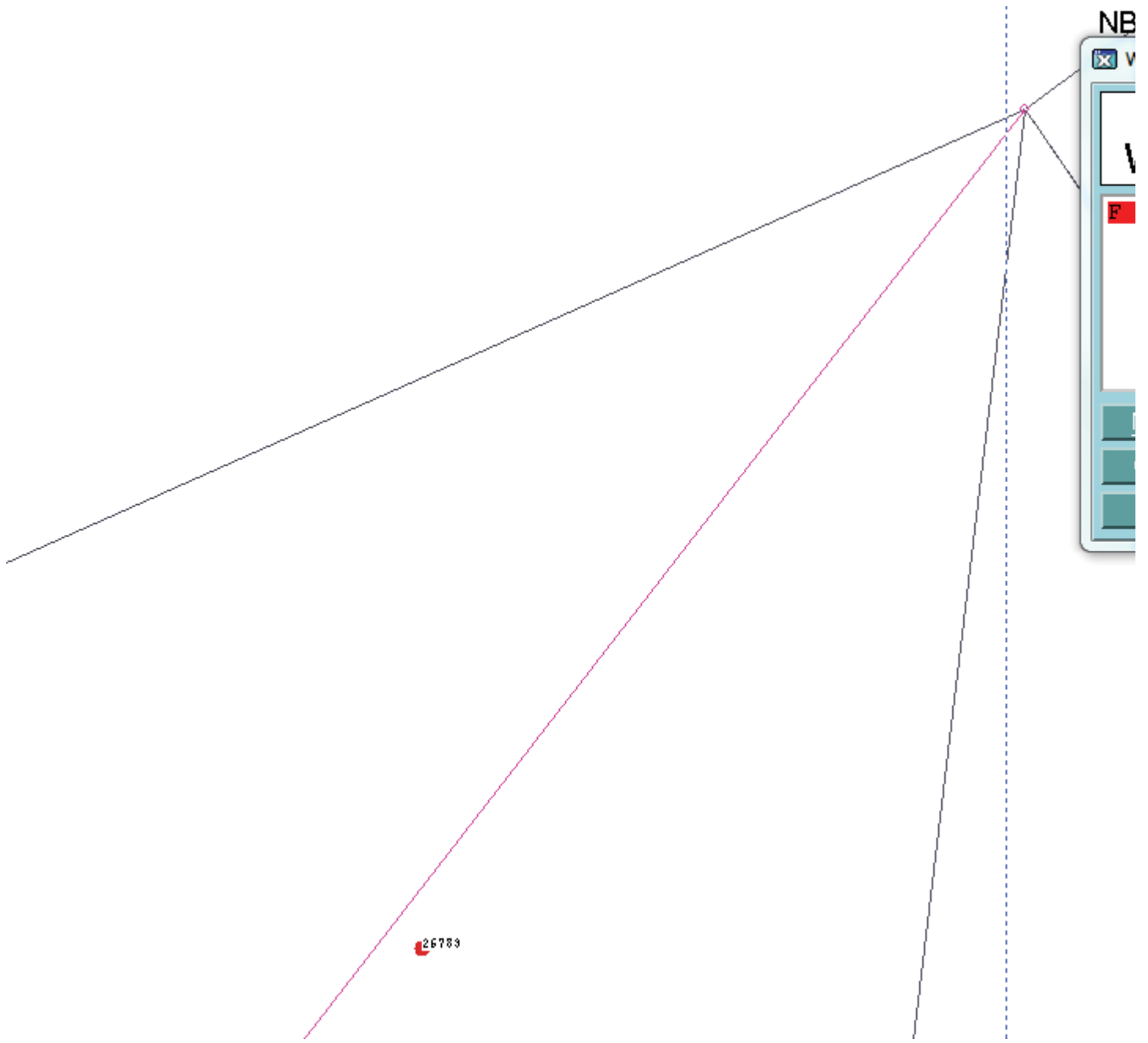
The conclusion is that **TURBINE 7** proposed may cause interference to BT's current and presently planned radio network. See below a Network Map (the blue lines indicate 10km grids) of the proposed turbine 7 in relation to our fixed radio links and the 8 x BT radio network links that may be potentially affected.

Also , I have attached the Wind Turbine Coordinator Analysis Results which shows each of the 8 x links affected, with all the information that you require ; Transmit and Receive Station Name/Address and associated NGR, Link Number, Path Length, Frequency band. It shows that turbine 7 is 147.65mtrs from our 8 x fixed radio links, less 68mtrs radius of the rotor blade only leaves 79mtrs from the blade tip to the fixed radio links. BT ideally prefer a buffer of 100mtrs from blade tip to fixed radio link, this distance is set for a reason.

Our position is therefore, we would object to future development of this Windfarm, if it strongly interfered with the existing BT radio links.

BT require ideally 100m minimum clearance from the Blade tip to the link path.

F T WID10989 T7 26783		Tx Name	Tx NGR	Rx Name
		MAARUIG GORMUL BT RS	NB1865006975	STORNOWAY BT RS
		MAARUIG GORMUL BT RS	NB1865006975	STORNOWAY BT RS
		MAARUIG GORMUL BT RS	NB1865006975	STORNOWAY BT RS
		MAARUIG GORMUL BT RS	NB1865006975	STORNOWAY BT RS
		MAARUIG GORMUL BT RS	NB1865006975	STORNOWAY BT RS
		MAARUIG GORMUL BT RS	NB1865006975	STORNOWAY BT RS
		MAARUIG GORMUL BT RS	NB1865006975	STORNOWAY BT RS
		MAARUIG GORMUL BT RS	NB1865006975	STORNOWAY BT RS



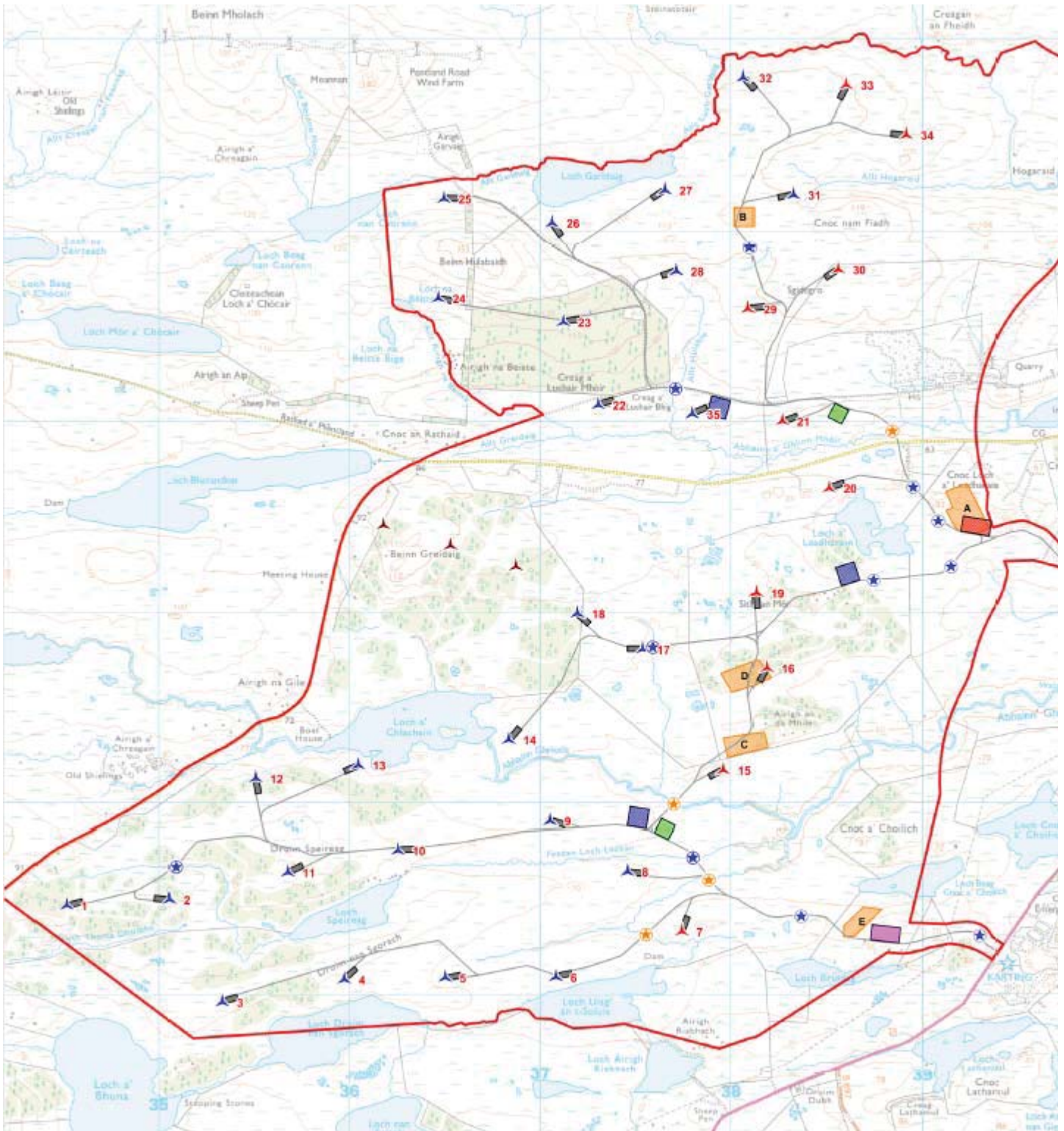
4.2.15 The layout of the Proposed Development incorporating maximum tip height (the turbines) has been chosen because it balances sustainably high production with environmental sensitivities present at the Development Site. Each chapter provides a topic specific approach to assessment of the Proposed Development with parameters that are set out in **Table 4.1**.

Table 4.1 Application Turbine Parameters

Turbine ID	Easting	Northing	Max Tip Height
1	134518	931471	180m
2	135057	931501	180m
3	135334	930964	180m
4	135974	931083	180m
5	136504	931093	180m

Turbine ID	Easting	Northing	Max Tip Height
6	137085	931096	180m
7	137745	931334	156m
8	137459	931647	180m
9	137054	931906	180m
10	136256	931758	180m
11	135678	931644	180m
12	135509	932128	180m
13	136047	932198	180m
14	136837	932330	180m
15	137962	932171	156m
16	138185	932705	156m
17	137539	932809	180m
18	137197	932997	180m
19	138130	933104	156m
20	138511	933652	156m
21	138265	934003	156m
22	137306	934087	180m
23	137124	934521	180m
24	136467	934645	180m
25	136497	935172	180m

26	137065	935045	180m
27	137656	935217	180m
28	137716	934787	180m
29	138091	934590	156m
30	138558	934796	156m
31	138323	935192	180m
32	138066	935798	180m
33	138600	935760	156m
34	138915	935506	156m
35	137800	934040	180m



Kind Regards,
Paul Atkinson
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Registered in England and Wales no. 10690039

From: Christopher.Park@gov.scot [<mailto:Christopher.Park@gov.scot>]
Sent: 28 May 2019 11:19
Subject: Stornoway Wind Farm - Section 36 Consultation - Consultees

Dear Sir or Madam

**THE ELECTRICITY WORKS (ENVIRONMENTAL IMPACT ASSESSMENT) (SCOTLAND) REGULATIONS 2017
ELECTRICITY ACT 1989 SECTION 36 AND SCHEDULE 8: APPLICATION FOR THE PROPOSED STORNOWAY WIND
FARM, 1.5KM SOUTH WEST OF THE TOWN OF STORNOWAY ON THE ISLE OF LEWIS WITHIN THE PLANNING
AUTHORITY AREA OF COMHAIRLE NAN EILEAN SIAR**

On 22 May 2019, Stornoway Wind Farm Limited submitted an application under section 36 of the Electricity Act 1989 ('the Act') for the Scottish Ministers' consent to construct and operate the proposed Stornoway Wind Farm approximately 1.5 kilometres (km) south west of the town of Stornoway on the Isle of Lewis, with the Comhairle nan Eilean Siar Planning Authority Area.

In accordance with the Electricity (Applications for Consent) Regulations 1990, the Electricity Works (Environmental Impact Assessment) (Scotland) Regulations 2017 ('the EIA regulations') and regulations made under Schedule 8 (1) to the Electricity Act 1989, details of the application will be published in the local & national press, in the Edinburgh Gazette, and on the application website www.lwp.scot

The advert will appear in the following publications –

- Edinburgh Gazette on 30 May 2019
- Herald on 30 May 2019
- West Highland Free Press on 30 May & 6 June 2019
- Stornoway Gazette on 30 May & 6 June 2019

In accordance with Regulation 16 of the Electricity Works (Environmental Impact Assessment)(Scotland)Regulations 2017 a consultation in respect of the application must be carried out. The applicant will have sent you the application documentation in the format/s agreed previously.

The application documentation can be viewed at the Energy Consents website www.energyconsents.scot by:

- clicking on **Search** tab; then,
- clicking on **Simple Search** tab; then,
- typing **Stornoway Wind Farm** into **Search by Project Name** box then clicking on **Go**; then
- clicking on **ECU00001850** and then click on **Documents** tab.

The closing date for any representations you may wish to make in this case is **27 June 2019**.

Please note reminder letters are no longer issued by the Energy Consents Unit for any project. If we have not received your comments, nor have we received any extension request by **27 June 2019** we will assume you have no comments to make.

Please e-mail your response to Econsents_admin@gov.scot and christopher.park@gov.scot

If you have not received the documentation, please contact me as soon as possible.

Kind regards

Chris Park | Energy Consents | Directorate for Energy and Climate Change

Scottish Government | 4th Floor | 5 Atlantic Quay | 150 Broomielaw | Glasgow | G2 8LU

✉: Christopher.Park@gov.scot ☎: [Tel: 0131 24 41011](tel:01312441011) | www.energyconsents.scot | [Privacy Notice](#)

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Dh'fhaodadh gum bi teachdaireachd sam bith bho Riaghaltas na h-Alba air a chlàradh neo air a sgrùdadh airson dearbhadh gu bheil an siostam ag obair gu h-èifeachdach neo airson adhbhar laghail eile. Dh'fhaodadh nach eil beachdan anns a' phost-d seo co-ionann ri beachdan Riaghaltas na h-Alba.

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