

A3.3.41 NP RESPONSE TO NRW REQUEST FOR ILLUSTRATIVE EXAMPLES OF AVIATION LIGHTING EFFECTS

Rafe Osborne

Subject: RE: Y Bryn Wind Farm - Aviation Lighting scheme, VPs and ZTVs NRW:01273097

From: Lucy Freeman <[REDACTED]>
Sent: 29 June 2022 14:55
To: SW Planning <[REDACTED]>
Cc: Trevor Hunter <[REDACTED]>; Ffion Edwards <[REDACTED]>; Rafe Osborne <[REDACTED]>; Graeme Glencorse <[REDACTED]>; Malcolm Spaven <[REDACTED]>
Subject: RE: Y Bryn Wind Farm - Aviation Lighting scheme, VPs and ZTVs NRW:01273097

FAO Lisa Jones

Hi Lisa,

Apologies for the delay in responding.
I am working with Rafe on Y Bryn Wind Farm.
As requested please find example; Crystal Rig IV Wind Farm PLI documents saved to sharefile, linked below:
<https://naturalpower.sharefile.com/f/fo47d7a4-eff8-464e-bed4-a3d3fdc58552>
I have given access to swplanning@cyfoethnaturiolcymru.gov.uk if you need me to add your personal email address please send this on and I can add you to the folder.
Included in the folder are the applicants closing submissions and core documents; 6. Aviation Lighting 6.1-6.10; 10. Supporting Documents 10.1 -10.4 and 12. Inquiry Reports 12.1 – 12.3.
Other examples can be found on the DPEA website for [Clauchrie](#) and [Clashgour](#).

Many thanks,
Lucy

A3.3.42 NPTCBC AVIATION LIGHTING RESPONSE – MAY 2022

From: Steven Jenkins <[REDACTED]>
Sent: 23 May 2022 16:11
To: Trevor Hunter <[REDACTED]>
Cc: 'Rhodri Davies' <[REDACTED]>
Subject: FW: Y Bryn Windfarm - Aviation lighting response

Hi Trevor

Simon White has read the letter from Natural Power's Graeme Glencorse dated 11 February and looked at the pdf showing Y Bryn aviation lighting intensity ZTV.

He has advised that based on the assurance that aviation lighting has negligible visibility/effect below 4 degrees from the horizontal and therefore is unlikely to affect Maesteg and Bryn and associated settlements, the approach to choosing the representative viewpoints from those selected for the LVIA generally seems reasonable with one caveat. The one additional viewpoint he had suggested in his LVIA scoping response which Soltys Brewster did not take forward, his viewpoint G at Croeserw, appears to be an elevated location likely to be affected by lighting at a closer range than the Bettws and Cwmafan viewpoints. He believes that the assessment should address the effects on this area at least in text, differentiating it from the effects on Caerau and Maesteg to the south.

I hope this is of assistance

Kind regards

Steven Jenkins

Senior Planning Officer – Development Management / Uwch Swyddog Cynllunio - Rheoli Datblygu
Neath Port Talbot County Borough Council/ Cyngor Bwrdeistref Sirol Castell-nedd Port Talbot Tel/ Ffôn: [REDACTED]

We welcome correspondence in Welsh and will deal with Welsh and English correspondence to the same standards and timescales.
Croesewir gohebiaeth yn y Gymraeg a byddwn yn ymdrin â gohebiaeth Gymraeg a Saesneg i'r un safonau ac amserlenni

If you would like to use Welsh when dealing with the Council please click [here](#)
Os hoffech ddefnyddio'r Gymraeg wrth ddelio â'r Cyngor os gwelwch yn dda cliciwch [yma](#)

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A3.3.43 NOISE LIMITS NOTE TO LOCAL PLANNING AUTHORITIES (LPAS) - APRIL 2022

Y Bryn Wind Farm

Appropriate Noise Limits

for Natural Power Consultants / Coriolis Energy

Malcolm Hayes, Hayes McKenzie Partnership Ltd

3470_Note02_EXT1, 06 April 2022

1. INTRODUCTION

- 1.1 Y Bryn Wind Farm (DNS/3264571; NPTCBC App. Ref: P/21/34/DNS; BCBC App. Ref: P2021/0057) is a proposed onshore wind energy development. This note presents a discussion with respect to appropriate noise limits for adoption when assessing the potential noise impacts associated with the development.

2. ETSU-R-97 NOISE LIMITS

ETSU-R-97 Noise Limit

- 2.1 ETSU-R-97⁽¹⁾ sets out noise limits which are considered to provide a balance between the control of noise from a wind farm and that which is received by a neighbour to a wind farm. This takes the form of a daytime (Amenity Hours) Noise Limit and a Night-time Noise Limit.
- 2.2 The range presented within ETSU-R-97 is as follows:
- Daytime (Amenity Hours): 35 – 40 dB L_{A90} or Background + 5 dB, whichever is the greater;
 - Night-time: 43 dB L_{A90} or Background + 5 dB, whichever is the greater.
 - Associated Properties to the proposed development may be subject to a higher limit of 45 dB L_{A90} or Background + 5 dB, whichever is the greater.
- 2.3 In the event that there are neighbouring wind farms then the levels should be considered cumulative to ensure that creeping sound levels from different wind farms do not result

⁽¹⁾ ETSU-R-97. "The Assessment and Rating of Noise from Wind Farms", ETSU for the Department of Trade and Industry (1996).

in levels which are significantly in excess of the proposed design values within ETSU-R-97.

3. COMPLIANCE WITH ETSU-R-97 NOISE LIMITS: Y BRYN IN ISOLATION

- 3.1 Predictions of operational noise have been undertaken based upon the layout proposed by the Developer. These predictions have been undertaken in accordance with the Institute of Acoustics (IoA) Good Practice Guide⁽²⁾ (GPG) and include the following:
- a 2 dB Uncertainty factor to the SWL (sound power level) for the candidate turbine;
 - The adoption of the SWL for a Nordex N163 STE (serrated trailing edge) 5.7 MW which is predicted to result in the highest sound levels at neighbouring noise sensitive receptors within the range of turbines currently under consideration;
 - Inclusion of the varied hub heights proposed for the site;
 - Inclusion of Concave Valley Corrections (which will increase predicted levels by 3 dB where determined to occur);
 - Inclusion of barrier effects with a maximum attenuation as set out within the IoA GPG;
 - Assumed mixed ground condition: $G = 0.5$
 - Assumed Temperature and Humidity of 10°C and 70% RH (relative humidity);
 - Directivity Model as set out in IoA GPG for complex ground.
- 3.2 On the basis of these assumptions we have calculated that two clusters of properties will exceed a level of 40 dB L_{A90} when Y Bryn is considered on its own. These are Hafod Farm (280160 189850) and Highland Heights (283345 190160).

⁽²⁾ "A Good Practice Guide to the Application of ETSU-R-97 for the Assessment and Rating of Wind Turbine Noise", Institute of Acoustics, 2013.

- 3.3 Hafod Farm represents 3 receptor locations which are clustered around the long barn which is located to the east of the group of properties. The location is to the west of the southern cluster of wind turbines and is upwind of the wind farm for the dominant or prevailing wind direction.
- 3.4 Highland Heights (Penymynydd) represents 1 or 2 receptor locations. Highland Heights itself is an occupied dwelling house but the property to the east (Blaen-cwmcerwyn) is, from external examination, unlivable in whilst probably suitable to live in without the need for planning permission. Both these locations are located to the east of the southern cluster and therefore downwind of the site for the prevailing wind direction.

Predictions for Hafod Farm

- 3.5 Table 1 below presents the predicted sound levels for Hafod Farm for the operation of Y Bryn Wind Farm in isolation. The table highlights the wind speed and wind direction conditions where it is predicted that the operational sound levels of the wind turbines may exceed the absolute sound level of 40 dB L_{A90}.

Table 1: Predicted Sound Levels at Hafod Farm: Y Bryn in Isolation: dB L _{A90}								
	Standardised Wind Speed at 10m agl: m/s							
Sector	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0
0	29.8	34.3	38.1	38.3	38.4	38.4	38.4	38.4
15	31.0	35.5	39.4	39.6	39.7	39.7	39.7	39.7
30	31.9	36.4	40.3	40.5	40.6	40.6	40.6	40.6
45	31.9	36.5	40.3	40.5	40.7	40.7	40.7	40.7
60	32.4	36.9	40.8	41.0	41.2	41.2	41.2	41.2
75	32.4	36.9	40.8	41.0	41.2	41.2	41.2	41.2
90	32.4	36.9	40.8	41.0	41.2	41.2	41.2	41.2
105	32.4	36.9	40.8	41.0	41.2	41.2	41.2	41.2
120	32.4	36.9	40.8	41.0	41.2	41.2	41.2	41.2
135	32.4	36.9	40.8	41.0	41.2	41.2	41.2	41.2
150	32.3	36.9	40.8	41.0	41.1	41.1	41.1	41.1
165	32.3	36.8	40.7	40.9	41.0	41.0	41.0	41.0
180	31.5	36.1	39.9	40.1	40.3	40.3	40.3	40.3
195	31.3	35.8	39.7	39.9	40.1	40.1	40.1	40.1
210	30.8	35.2	39.2	39.4	39.5	39.5	39.5	39.5
225	29.7	34.1	38.1	38.3	38.5	38.5	38.5	38.5
240	29.0	33.4	37.4	37.6	37.7	37.7	37.7	37.7
255	28.2	32.5	36.5	36.7	36.9	36.9	36.9	36.9
270	27.8	32.1	36.0	36.2	36.4	36.4	36.4	36.4

Table 1: Predicted Sound Levels at Hafod Farm: Y Bryn in Isolation: dB L _{A90}								
	Standardised Wind Speed at 10m agl: m/s							
Sector	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0
285	27.6	31.9	35.9	36.1	36.2	36.2	36.2	36.2
300	27.8	32.1	36.0	36.3	36.4	36.4	36.4	36.4
315	28.2	32.6	36.5	36.7	36.9	36.9	36.9	36.9
330	29.0	33.4	37.3	37.5	37.6	37.6	37.6	37.6
345	29.8	34.2	38.1	38.3	38.4	38.4	38.4	38.4

- 3.6 At no time is it predicted that operational sound from Y Bryn Wind Farm in isolation will exceed the ETSU-R-97 Night-time Noise Limit of 43 dB L_{A90}.

Predictions for Highland Heights

- 3.7 Table 2 below presents the predicted sound levels for Highland Heights for the operation of Y Bryn Wind Farm in isolation. Again, the table highlights the wind speed and wind direction conditions where it is predicted that the operational sound levels of the wind turbines may exceed the absolute sound level of 40 dB L_{A90}.

Table 2: Predicted Sound Levels at Highland Heights: Y Bryn in Isolation: dB L _{A90}								
	Standardised Wind Speed at 10m agl: m/s							
Sector	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0
0	32.4	37.0	40.7	40.7	40.9	40.9	40.9	40.9
15	32.2	36.8	40.4	40.5	40.6	40.6	40.6	40.6
30	31.5	36.0	39.6	39.7	39.8	39.8	39.8	39.8
45	31.5	36.1	39.7	39.8	39.9	39.9	39.9	39.9
60	31.2	35.7	39.4	39.4	39.6	39.6	39.6	39.6
75	31.1	35.6	39.2	39.3	39.4	39.4	39.4	39.4
90	31.2	35.7	39.4	39.5	39.6	39.6	39.6	39.6
105	31.4	35.9	39.5	39.6	39.8	39.8	39.8	39.8
120	31.6	36.1	39.8	39.9	40.0	40.0	40.0	40.0
135	32.4	37.0	40.6	40.7	40.8	40.8	40.8	40.8
150	32.5	37.1	40.8	40.9	41.0	41.0	41.0	41.0
165	33.0	37.6	41.2	41.3	41.5	41.5	41.5	41.5
180	33.2	37.8	41.5	41.5	41.7	41.7	41.7	41.7
195	33.6	38.2	41.9	41.9	42.1	42.1	42.1	42.1
210	33.6	38.3	41.9	42.0	42.1	42.1	42.1	42.1
225	34.0	38.6	42.3	42.3	42.5	42.5	42.5	42.5
240	34.0	38.6	42.3	42.4	42.5	42.5	42.5	42.5
255	34.0	38.7	42.3	42.4	42.5	42.5	42.5	42.5
270	34.1	38.7	42.4	42.4	42.6	42.6	42.6	42.6

Table 2: Predicted Sound Levels at Highland Heights: Y Bryn in Isolation: dB LA90								
	Standardised Wind Speed at 10m agl: m/s							
Sector	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0
285	34.0	38.6	42.3	42.3	42.5	42.5	42.5	42.5
300	33.6	38.2	41.9	42.0	42.1	42.1	42.1	42.1
315	33.6	38.2	41.9	41.9	42.1	42.1	42.1	42.1
330	33.1	37.7	41.3	41.4	41.5	41.5	41.5	41.5
345	32.8	37.3	41.0	41.0	41.2	41.2	41.2	41.2

3.8 At no time is it predicted that operational sound from Y Bryn Wind Farm in isolation will exceed the ETSU-R-97 Night-time Noise Limit of 43 dB LA90.

Background Noise Levels: Hafod Farm

3.9 Table 3 details the measured background sound levels collected at Hafod Farm and which form the assessment of the existing sound environment at this measurement location.

3.10 At wind speeds of 10 m/s and above the measured levels have been capped at 43.5 and 40.1 dB LA90 for Amenity and Night Hours respectively. This capping is due to the regression analysis providing an unrealistic increase in background sound levels with increasing wind speed, i.e. the derived increase is significantly greater than would be expected. Therefore, capping the background sound level is considered to be a conservative determination of the prevailing background at each measurement location. Such capping of the sound levels follows the guidance within the IoA GPG: SGN 2: Section 2.9³. This is because insufficient data at these higher wind speeds was acquired during the survey to allow determination for wind speeds above 10 m/s.

Table 3: Hafod Farm Background Noise Levels and Derived ETSU-R-97 Noise Criteria: dB LA90											
Measured Levels	Standardised Wind Speed at 10m agl: m/s										
	4	5	6	7	8	9	10	11	12	13	14
Hafod Farm: Amenity	27.7	28.7	30.3	32.6	35.4	38.5	41.4	43.3	43.5	43.5	43.5
Hafod Farm: Night	27.2	27.3	27.9	29.2	31.5	35.1	40.1	40.1	40.1	40.1	40.1
ETSU-R-97 Noise Criteria: dB LA90											
	Standardised Wind Speed at 10m agl: m/s										
	4	5	6	7	8	9	10	11	12	13	14
Amenity Hours	40.0	40.0	40.0	40.0	40.4	43.5	46.4	48.3	48.5	48.5	48.5
Night Hours	43.0	43.0	43.0	43.0	43.0	43.0	45.1	45.1	45.1	45.1	45.1

³ https://www.ioa.org.uk/sites/default/files/IOA%20GPG%20SGN%20No%202%20Final%20Sept%202014_0.pdf

Table 3: Hafod Farm Background Noise Levels and Derived ETSU-R-97 Noise Criteria: dB LA90											
Measured Levels	Standardised Wind Speed at 10m agl: m/s										
	4	5	6	7	8	9	10	11	12	13	14
Night Hours: Lower	40.0	40.0	40.0	40.0	40.0	40.1	45.1	45.1	45.1	45.1	45.1

Background Noise Levels: Highland Heights

3.11 Table 4 details the measured background sound levels collected at Highland Heights and which form the assessment of the existing sound environment at this measurement location.

Table 4: Highland Heights Background Noise Levels and Derived ETSU-R-97 Noise Criteria: dB LA90											
	Standardised Wind Speed at 10m agl: m/s										
Measured Levels	4	5	6	7	8	9	10	11	12	13	14
Highland Heights: Amenity	28.4	29.8	31.3	32.9	34.5	36.1	37.6	39.0	40.3	41.4	42.3
Highland Heights Farm: Night	27.2	28.3	29.4	30.7	32.1	33.4	34.7	36.0	37.3	38.4	39.3
ETSU-R-97 Noise Criteria: dB LA90											
	Standardised Wind Speed at 10m agl: m/s										
	4	5	6	7	8	9	10	11	12	13	14
Amenity Hours	40.0	40.0	40.0	40.0	40.0	41.1	42.6	44.0	45.3	46.4	47.3
Night Hours	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.4	44.3
Night Hours: Lower	40.0	40.0	40.0	40.0	40.0	40.0	40.0	41.0	42.3	43.4	44.3

Potential Exceedance at Hafod Farm: Y Bryn in Isolation

3.12 Table 5 details the predicted potential exceedance with the application of a noise limit where the fixed day and night-time limit level will be 40 dB LA90.

Table 5: Predicted Level of Exceedance for Absolute Level of 40 dB LA90 or Background + 5 dB								
	Standardised Wind Speed at 10m agl: m/s							
Sector	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0
Criterion	40.0	40.0	40.0	40.0	40.0	40.1	45.1	45.1
0	-10.2	-5.7	-1.9	-1.7	-1.6	-1.7	-6.7	-6.7
15	-9.0	-4.5	-0.6	-0.4	-0.3	-0.4	-5.4	-5.4
30	-8.1	-3.6	0.3	0.5	0.6	0.5	-4.5	-4.5
45	-8.1	-3.5	0.3	0.5	0.7	0.6	-4.4	-4.4
60	-7.6	-3.1	0.8	1.0	1.2	1.1	-3.9	-3.9
75	-7.6	-3.1	0.8	1.0	1.2	1.1	-3.9	-3.9
90	-7.6	-3.1	0.8	1.0	1.2	1.1	-3.9	-3.9

Table 5: Predicted Level of Exceedance for Absolute Level of 40 dB LA90 or Background + 5 dB								
	Standardised Wind Speed at 10m agl: m/s							
Sector	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0
105	-7.6	-3.1	0.8	1.0	1.2	1.1	-3.9	-3.9
120	-7.6	-3.1	0.8	1.0	1.2	1.1	-3.9	-3.9
135	-7.6	-3.1	0.8	1.0	1.2	1.1	-3.9	-3.9
150	-7.7	-3.1	0.8	1.0	1.1	1.0	-4.0	-4.0
165	-7.7	-3.2	0.7	0.9	1.0	0.9	-4.1	-4.1
180	-8.5	-3.9	-0.1	0.1	0.3	0.2	-4.8	-4.8
195	-8.7	-4.2	-0.3	-0.1	0.1	0.0	-5.0	-5.0
210	-9.2	-4.8	-0.8	-0.6	-0.5	-0.6	-5.6	-5.6
225	-10.3	-5.9	-1.9	-1.7	-1.5	-1.6	-6.6	-6.6
240	-11.0	-6.6	-2.6	-2.4	-2.3	-2.4	-7.4	-7.4
255	-11.8	-7.5	-3.5	-3.3	-3.1	-3.2	-8.2	-8.2
270	-12.2	-7.9	-4.0	-3.8	-3.6	-3.7	-8.7	-8.7
285	-12.4	-8.1	-4.1	-3.9	-3.8	-3.9	-8.9	-8.9
300	-12.2	-7.9	-4.0	-3.7	-3.6	-3.7	-8.7	-8.7
315	-11.8	-7.4	-3.5	-3.3	-3.1	-3.2	-8.2	-8.2
330	-11.0	-6.6	-2.7	-2.5	-2.4	-2.5	-7.5	-7.5
345	-10.2	-5.8	-1.9	-1.7	-1.6	-1.7	-6.7	-6.7

Potential Exceedance at Highland Heights: Y Bryn in Isolation

3.13 Table 6 details the predicted potential exceedance with the application of a noise limit where the fixed day and night-time limit level will be 40 dB LA90.

Table 6: Predicted Level of Exceedance for Absolute Level of 40 dB LA90 or Background + 5 dB								
	Standardised Wind Speed at 10m agl: m/s							
Sector	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0
Criterion	40.0	40.0	40.0	40.0	40.0	40.0	40.0	41.0
0	-7.6	-3.0	0.7	0.7	0.9	0.9	0.9	-0.1
15	-7.8	-3.2	0.4	0.5	0.6	0.6	0.6	-0.4
30	-8.5	-4.0	-0.4	-0.3	-0.2	-0.2	-0.2	-1.2
45	-8.5	-3.9	-0.3	-0.2	-0.1	-0.1	-0.1	-1.1
60	-8.8	-4.3	-0.6	-0.6	-0.4	-0.4	-0.4	-1.4
75	-8.9	-4.4	-0.8	-0.7	-0.6	-0.6	-0.6	-1.6
90	-8.8	-4.3	-0.6	-0.5	-0.4	-0.4	-0.4	-1.4
105	-8.6	-4.1	-0.5	-0.4	-0.2	-0.2	-0.2	-1.2
120	-8.4	-3.9	-0.2	-0.1	0.0	0.0	0.0	-1.0
135	-7.6	-3.0	0.6	0.7	0.8	0.8	0.8	-0.2
150	-7.5	-2.9	0.8	0.9	1.0	1.0	1.0	0.0
165	-7.0	-2.4	1.2	1.3	1.5	1.5	1.5	0.5

Table 6: Predicted Level of Exceedance for Absolute Level of 40 dB LA90 or Background + 5 dB								
	Standardised Wind Speed at 10m agl: m/s							
Sector	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0
180	-6.8	-2.2	1.5	1.5	1.7	1.7	1.7	0.7
195	-6.4	-1.8	1.9	1.9	2.1	2.1	2.1	1.1
210	-6.4	-1.7	1.9	2.0	2.1	2.1	2.1	1.1
225	-6.0	-1.4	2.3	2.3	2.5	2.5	2.5	1.5
240	-6.0	-1.4	2.3	2.4	2.5	2.5	2.5	1.5
255	-6.0	-1.3	2.3	2.4	2.5	2.5	2.5	1.5
270	-5.9	-1.3	2.4	2.4	2.6	2.6	2.6	1.6
285	-6.0	-1.4	2.3	2.3	2.5	2.5	2.5	1.5
300	-6.4	-1.8	1.9	2.0	2.1	2.1	2.1	1.1
315	-6.4	-1.8	1.9	1.9	2.1	2.1	2.1	1.1
330	-6.9	-2.3	1.3	1.4	1.5	1.5	1.5	0.5
345	-7.2	-2.7	1.0	1.0	1.2	1.2	1.2	0.2

Consequences of Compliance with 40 dB LA90 Absolute Limit

- 3.14 To meet the operational requirement of 40 dB LA90 when background noise levels are low would require that turbines are operated in noise mitigation modes to reduce incident sound levels at neighbouring properties.
- 3.15 A scheme has been developed for the Nordex N163 STE 5.7 MW which would meet the requirements of such a level being imposed.
- 3.16 The consequences of such a sound mitigation scheme for Y Bryn operating in isolation indicates a reduction in generation for the site as follows:
- 2.3% energy loss⁴;
 - Equivalent to 3,046 less homes provided renewable energy per year⁵;

⁴ Natural Power energy analysis based on on-site wind monitoring and long-term correlation, with the proposed layout and Hayes McKenzie produced and manufacturer validated noise curtailment strategy

⁵ BEIS 'Digest of United Kingdom Energy Statistics', as of December 2020 – 3578kWh/annum average UK household electricity demand

- 4,796 tonnes of CO₂ not removed from the energy generation mix per year⁶.

3.17 It should be noted that the above numbers are calculated on the basis of a single 5.7MW model, when machines of up to 7.2MW are currently being considered for the proposed development. Whilst higher capacity but quieter machines may result in lower percentage levels of constraining, it is possible that such constraining would result in similar or higher levels of energy losses. Therefore, what is presented here is considered to be a reasonable conservative estimate.

4. CUMULATIVE NOISE IMPACTS FOR 40/40 AND 40/43 NOISE CRITERION

- 4.1 Cumulative noise impacts are associated with neighbouring wind farm sites, both operational and consented.
- 4.2 For Hafod Farm this relates to Brombil Wind Farm which is an operational 4 turbine site located 1.3 – 1.8 km to the south-west of Hafod Farm. Predicted sound levels during rated power operation, i.e. when Brombil Wind Farm will be generating its highest levels, are predicted to not exceed 33.6 dB L_{A90} when Hafod Farm is downwind of Brombil.
- 4.3 The predicted impacts associated with cumulative noise levels at Hafod Farm will change by less than 0.1 dB increase when Hafod Farm is downwind of Y Bryn Wind Farm. During periods of prevailing wind, i.e. south-west, then predicted cumulative sound will increase by around 1 – 1.8 dB over the levels predicted for Y Bryn on its own. Therefore, cumulatively, the expected exceedances as set out in Table 5 will change by 0 dB when downwind of Y Bryn and may increase by a maximum of 1 dB when upwind of Y Bryn.
- 4.4 Highland Heights is not subject to cumulative noise levels in that all wind farms that may have an influence upon the levels experienced at this location are at least 10 dB below levels associated with Y Bryn Wind Farm. Therefore, cumulative sound impacts are not required to be considered for this location.

⁶ BEIS 'Digest of United Kingdom Energy Statistics', July 2021. Table 5.14 "Estimated carbon dioxide emissions from electricity supplied". BEIS's "all non-renewable fuels" emissions equate to 440 tonnes of carbon dioxide per GWh.

Foel Trawsnant

- 4.5 Foel Trawsnant Wind Farm (FT) has recently been given consent (December 2021) with an associated set of planning conditions dealing with noise.
- 4.6 A review of the Noise Assessment which was attached to the application for FT indicates that for some noise sensitive locations neighbouring the FT site, predicted operational noise levels for the proposed wind turbine for installation (Nordex N90⁷) will exceed the consented noise limits without mitigation to the installed wind turbines. This presents a problem in that if noise limits as set out within the FT consent were adopted for these named dwellings then Y Bryn Wind Farm would be required to operate at levels at least 10 dB below the consented levels.
- 4.7 As it is, since FT will operate at the consented levels for long periods, adoption of the consented levels within the FT consent is not practical with respect to the proposed Y Bryn wind turbines for the northern cluster.
- 4.8 Adoption of a cumulative noise limit of 40/40 or 40/43 provides some additional headroom for the Y Bryn wind turbines to operate.
- 4.9 Predictions indicate that with the proposed FT Nordex N90 wind turbines installed and operating at their consented noise limits, the energy yield loss for a 40/43 dB cumulative noise limit will be around 6.2% (around 8,021 homes worth of generating capacity: 12,628 tonnes of CO₂ per year) with the operation of FT included.
- 4.10 In the event that a criterion level of 40/40 was adopted then this would increase the energy losses to around 9.0% (around 11,627 homes worth of generating capacity is lost: 18,304 tonnes of CO₂ per year).
- 4.11 The difference in number of homes that may be supplied from Y Bryn Wind Farm will be around 3,605 homes or 5,676 tonnes CO₂ per year on the basis of setting a cumulative absolute noise limit for night-time operation of 40 or 43 dB L_{A90}.

⁷ It is recognised that Foel Trawsnant is subject to a S73 application with respect to a change in turbines through increased rotor diameter. Therefore, the levels currently predicted for the consented site candidate turbine may change. At this time it is not known whether this will result in a reduction or increase in operational levels. However, the level of predicted exceedance of the consented noise limits would indicate that some mitigation will still be required for Foel Trawsnant.

Duration of Exposure

- 4.12 Another variable to consider when adopting a specific noise limit for a wind farm is the duration of exposure. As indicated above, Hafod Farm is only expected to exceed a level of 40 dB L_{A90} when downwind of the proposed site. This is a NE/E wind direction. The historical wind rose for the site indicates that this occurs, i.e. between 6 – 9 m/s and between 30 – 195° per Table 5, for around 20% of the average year⁸. If we assume a proportional split between day and night-time then the application of control through a limit of 43 dB L_{A90} will occur for around 7% of the year.
- 4.13 Highland Heights is located to the east of the southern cluster. The historical wind rose indicates wind speeds between 6 – 11 m/s and wind directions from 135 through to 15° (per Table 6) where predicted levels are in excess of 40 dB L_{A90} occur for around 30% of the year. If we assume a proportional split between day and night-time then the application of control through a limit of 43 dB L_{A90} will occur for around 10% of the year.
- 4.14 As daytime fixed lower limit levels are limited to 40 dB L_{A90} , it would only be for 8 hours per day (11pm – 7am) when any exposure above 40 dB L_{A90} would be relevant.

5. APPROPRIATE NIGHT TIME NOISE LIMIT

- 5.1 On the basis of the analysis above, it is appropriate for the Consenting Authority to consider the application of the ETSU compliant cumulative night-time absolute noise criterion for the proposed Y Bryn Wind Farm.
- 5.2 The need for 43 dB L_{A90} as a night-time noise limit is not necessary for all receptors neighbouring the proposed site. However, to minimise the energy losses associated with a lower night-time noise level of 40 dB, specific locations where the remaining cumulative headroom has been compromised by consent for the Foel Trawsnant Wind Farm should be considered for an increased night-time noise limit of 43 dB L_{A90} or Background + 5 dB.
- 5.3 Consideration should also be given to the impacts to generating capacity upon Y Bryn in isolation due to the presence of dwellings at Hafod Farm and Highland Heights where

⁸ Natural Power energy analysis

achieving a Night-time Absolute Noise level of 40 dB will result in a loss of energy equivalent to supplying 3,046 homes.

A3.3.44 NOISE CORRESPONDENCE WITH LPA – APRIL 2022

Ffion Edwards

From: Malcolm Hayes <[REDACTED]>
Sent: 08 April 2022 10:03
To: [REDACTED]
Cc: Ffion Edwards; Trevor Hunter
Subject: 3470 - Y Bryn Wind Farm - Noise - Contour Plots
Attachments: 3470_PRED20_2022_04_08_Y Bryn Isolation and Cumulative Noise Predictions-
Nordex N163 STE_INT1-0_MDH.pdf

Dear Dick,

Following our meeting earlier this week it was requested that we provide some contour plots for the site both cumulatively and in isolation.

Please find attached a pdf which provides these contours.

They do not include CCVC but this is because I need someone in Salisbury Office to be back at their desk to run the model for contours and they are away until next week. Once these have been undertaken I can send through a better quality figure.

The source level we have assumed is $L_{WA} = 109.2$ dB, i.e. Published = $107.2 + 2$ dB

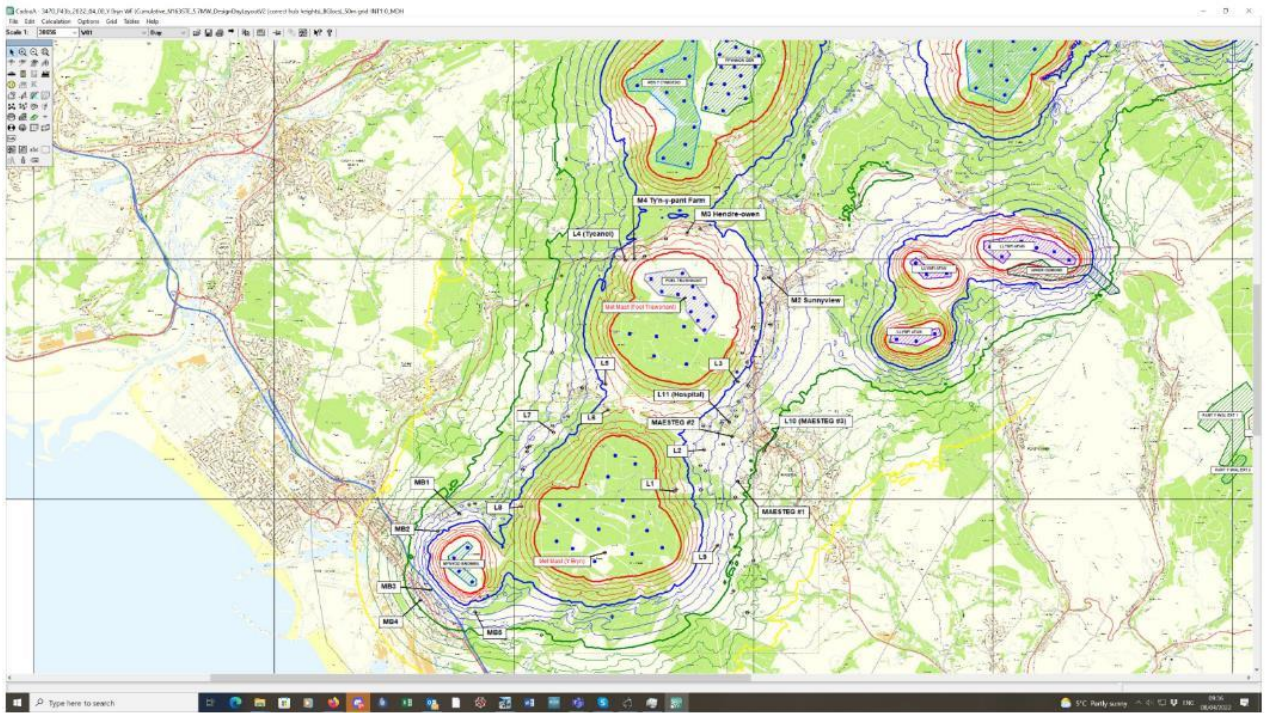
Let me know if you need anything further.

Regards

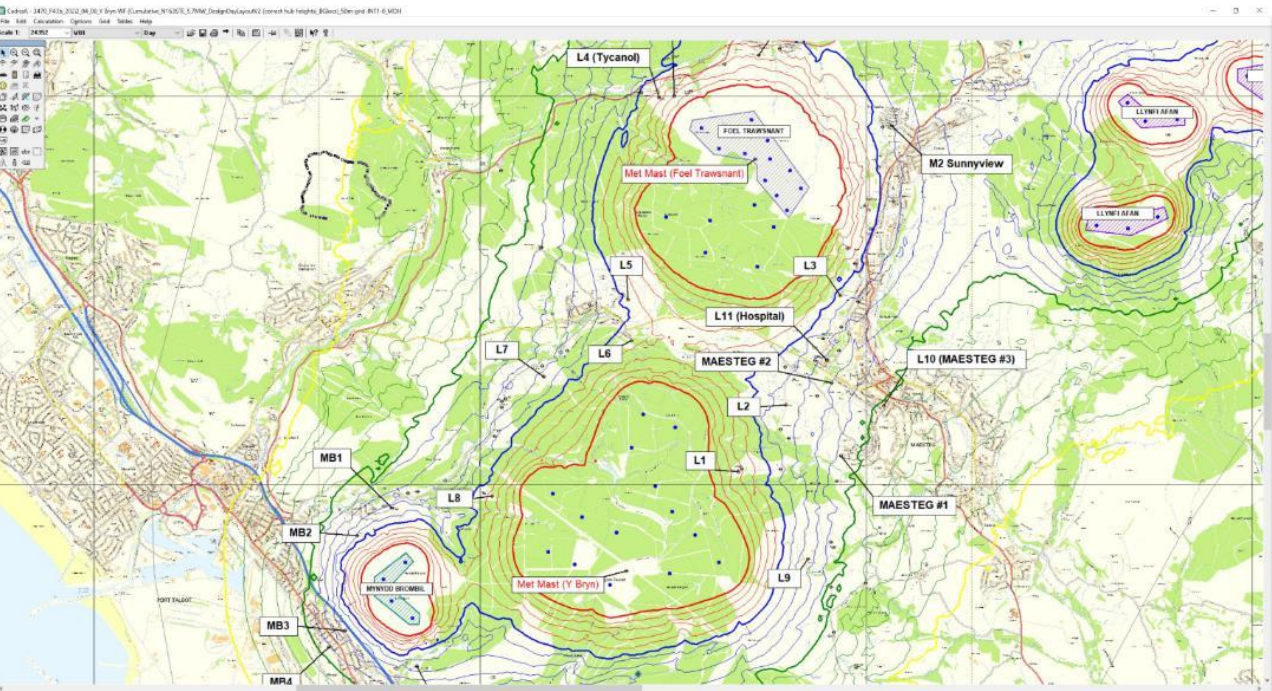
Malcolm Hayes BSc MIOA
Director & Principal Acoustic Consultant
Hayes McKenzie Partnership Ltd
Lodge Park, Tre'r-ddol, Machynlleth, Powys, UK, SY20 8PL

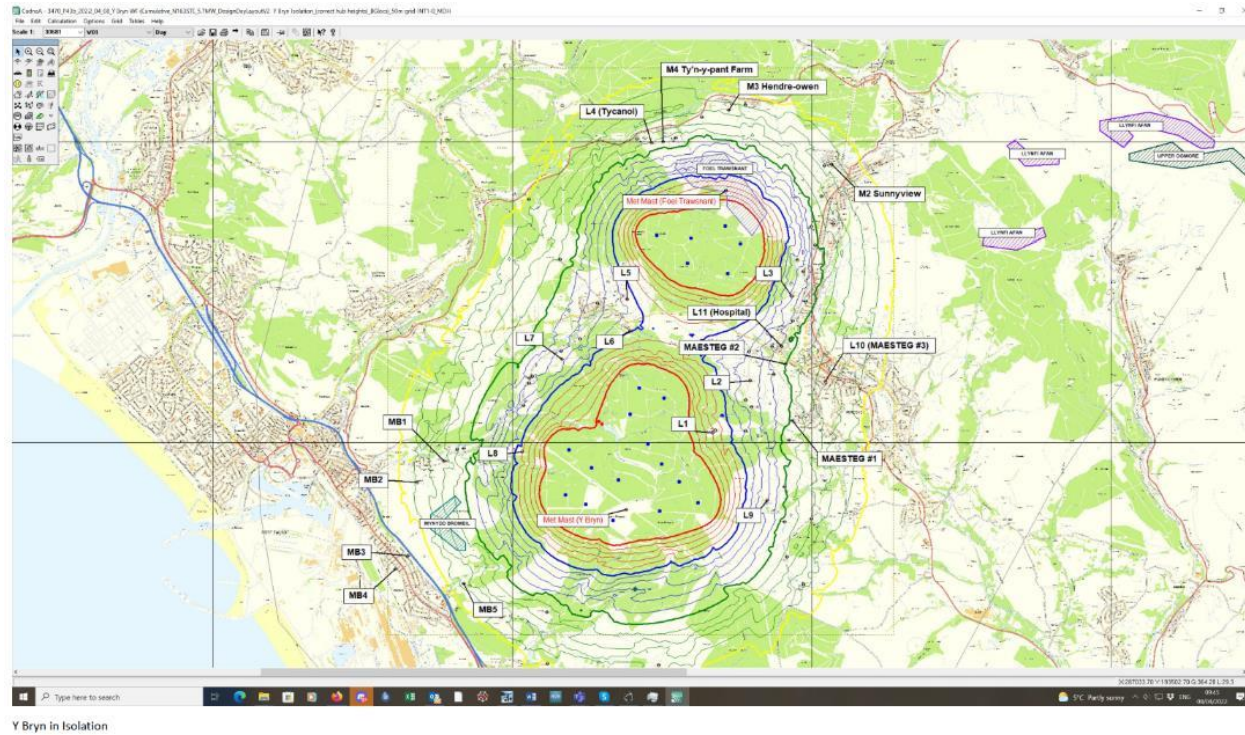
T: +[REDACTED]
M: +[REDACTED]
E: [REDACTED]
W: hayesmckenzie.co.uk

Hayes McKenzie —
Consultants in Acoustics



Nordex N163 STE $L_{eq} = 109.2$
No CCVC
Blue = 40 dB L_{eq} Green = 35 dB L_{eq} Yellow = 30 dB L_{eq}





A3.3.45 MEMO FROM DICK BOWDLER, ACOUSTIC CONSULTANT – APRIL 2022

Dick Bowdler
Acoustic Consultant

077 8535 2534
dick@dickbowdler.co.uk

To:	Malcolm Hayes
Copies:	
Date:	11 th April 2020
Job:	Y Bryn Wind Farm
Our Ref:	W560
Pages:	2

Malcolm,

SUMMARY OF MY CURRENT POSITION.

I thought it would be useful to set out my present position with regard to the noise limits to be adopted for the application. I'm happy to discuss further if you wish. Where my recommendations have been agreed/adopted by the Councils I have explicitly stated that.

Apart from section 4 below, where I discuss limits I mean the cumulative limit for all wind farms that are required by the guidance to be included at a property.

If there are any financially involved residents then they would of course be entitled to higher limits.

1. LOWER FIXED ETSU LIMITS

Broadly speaking my view is that the three tests to establish the lower day time limit show the following:

- Test 1. There is a very large number of properties within the 35dB contour which points to a very strong pressure towards 35dB.
- Test 2. You have produced an argument that shows significant loss of power if the limits are reduced. If I accept this it suggests a strong pressure towards 40dB.
- Test 3. The background noise levels are low and the margin of predicted turbine noise is up to or exceeding 10dB at some properties. However, it is not as low as some more remote areas. I suggest a neutral or slight downward pressure on the limit.

Taking an overall view of these tests they suggest a limit somewhere in the middle of the range. I suggest 38dB which I consider is generous for the applicant. Of course we could argue about the individual tests for ever but I think that is a fair compromise.

The night time limit in ETSU-R-97 is 43dB.

These limits have been adopted and agreed by both Neath Port Talbot and Bridgend County Borough Councils. This is not surprising since they both were of the view,

The Haven, Low Causeway, Culross, Fife. KY12 8HN.

Dick Bowdler
Page 2

in their scoping responses, that just because a wind farm is large does not mean that it is entitled to a lower limit of 40dB.

2. ALTERNATIVE FIXED LIMITS

There is significant concern that the impact on some residents at night will be very high. The margin of turbine noise over background noise could be as high as almost 20dB at some wind speeds. I have recommended, and it has been accepted by both Councils that they would accept an increase in the lower fixed limit during day time to 40dB in return for a reduction in the night time limit also to 40dB.

So in summary, the Councils' view is that the fixed limits should be 38dB during the day and 43dB at night or 40dB both day and night. Whichever option the applicant adopts should be applied to all properties.

3. VARIABLE LIMITS AND OVERALL LIMIT

Variable limits should be background noise level plus 5dB where this is higher than the fixed limit. If the "40/40" fixed limits are adopted I would have no objection to the overall day time limit (fixed and variable) being calculated for each property and that same limit used for all times (that is to say, night time background noise is not taken into account)

4. LIMITS FOR Y BRYN

The limits adopted in the noise conditions must apply to Y Bryn only. They should be calculated from the cumulative limits using the consented limits for other wind farms. Whilst I have no objections to using directional turbine noise levels in principle, I would like to agree a suitable methodology since the directional levels will need to be related to the consented limits (not calculated levels) and will have to take into account any possible variable modes adopted by other wind farms.

Kind regards,

Dick Bowdler

**A3.3.46 PUBLIC RIGHT OF WAY (PROW) LETTER FROM NP TO NPTCBC AND BCBC –
APRIL 2022**

29th April 2022

Doc No: 1272652



**Jon Griffiths and Mathew
Palmer**
by email

Local Office

Registered Office

Harbour House
Y Lanfa
Aberystwyth
SY23 1AS
WALES
UK
Tel: +44 (0) 1970 636 869
www.naturalpower.com
sayhello@naturalpower.com

The Natural Power Consultants Limited
The Green House
Forrest Estate, Dalry,
Castle Douglas, Kirkcudbrightshire,
DG7 3XS

Reg No: SC177881

Y Bryn Wind Farm –Public Rights of Way (PROW)

Dear Jon Griffiths and Mathew Palmer,

On behalf of Y Bryn Wind Farm Ltd, Natural Power has been in consultation with the Public Rights of Way (PROW) officers from Neath Port Talbot County Borough Council (NPTCBC) and Bridgend County Borough Council (BCBC). Over the course of five months between September 2021 and February 2022 Natural Power has engaged with the officers on multiple Microsoft teams calls and via email exchanges to discuss the design of the Y Bryn Wind Farm in relation to PROW.

The aim of this letter is to seek agreement in writing with the officers that the layout of the wind farm and mitigation proposed is deemed acceptable from a PROW perspective.

The approximate distance from each turbine to the nearest PROW has been measured using Geographic Information Systems (GIS) based on shapefiles provided by NPTCBC for PROW within Neath Port Talbot County and Natural Resources Wales (NRW) for PROW within Bridgend County (BCBC were unable to provide shapefiles).

Table Error! No text of specified style in document..1 Approximate distance from each turbine to the nearest PROW

Turbine	Approximate distance to nearest PROW (m)*
1	534 (footpath)
2	194 (footpath)
3	232 (footpath)
4	130 (footpath)
5	102 (footpath)
6	93 (footpath)
7	118 (footpath)
8	104 (footpath)
9	206 (footpath)
10	460 (footpath)
11	300 (footpath)

29th April 2022

Doc No: 1272652



Turbine	Approximate distance to nearest PRow (m)*
12	86 (footpath)
13	106 (footpath)
14	527 (footpath)
15	738 (footpath)
16	397 (footpath)
17	102 (footpath)
18	216 (footpath)
19	475 (footpath)
20	271 (footpath)
21	89 (footpath)

Source: Coriolis and Natural Power. * all distances are approximate and have been measured on GIS using the most up to date data available from NPTCBC for land within NPTCBC and NRW for land within BCBC

- Based on the final turbine layout Natural Power can confirm that the design is able to maintain the following buffers:
- 86 m blade length (or greater distance) for all registered public footpaths on the definitive PRow map;
 - 200 m (or greater distance) for all registered public bridleways on the definitive PRow map.

It was discussed and agreed on the calls that these distances are considered acceptable for the permitted footpaths and bridleways, subject to mitigation, as discussed further below.

Such mitigation includes:

- provision for an appropriate worded condition regarding the protection from ice throw.
- options for re-routing two sections of a local authority recorded permissive route – ‘North to South Dragon Ride’, where a 200 m buffer is not achieved east of T5 and T6 and between T12 and T13.

Ice throw is a rare occurrence that will only happen when the blades of the turbine are stationary and under near freezing temperatures and relatively high humidity, with either freezing rain or sleet. When ice becomes detached from the blades (through temperature increase or activation of blade heating systems), ice can be thrown from the blades if they are rotating, or fall vertically to the ground if the blades are at standstill.

Modern turbines are fitted with climatic detection systems and passive/active de-icing solutions – like the models being considered for the proposed development – will help to mitigate against the occurrence of ice throw. Turbine procurement, together with good practice site management procedures, including the use of visual warnings signs and curtailment during periods of ice build-up on blades, will mitigate and manage this potential hazard.

Proposed condition wording for ice throw is as follows:

‘Prior to the start of commercial operation, confirmation of the application of ice monitoring and/or de-icing systems and/or protocols for all turbines located within 1 x tip-heights distance of any registered public footpaths on the definitive map shall be provided to the relevant local planning authorities..’

Reason: *to further mitigate any risks to the public from falling ice.’*

Proposed condition wording to cover offering alternative routes for two sections of the permissive ‘North to South Dragon Ride’

29th April 2022

Doc No: 1272652



‘Prior to the start of commercial operation, a scheme of mitigation for the ‘North to South Dragon Ride’ recorded permissive route shall be agreed with the relevant local planning authorities.

Reason: *to maintain recreational amenity within the site.’*

We would be grateful for your comments on the content of this letter and agreement on distances maintained to PRow and happy to engage further regarding appropriate condition wording.

Yours sincerely

[Redacted signature]

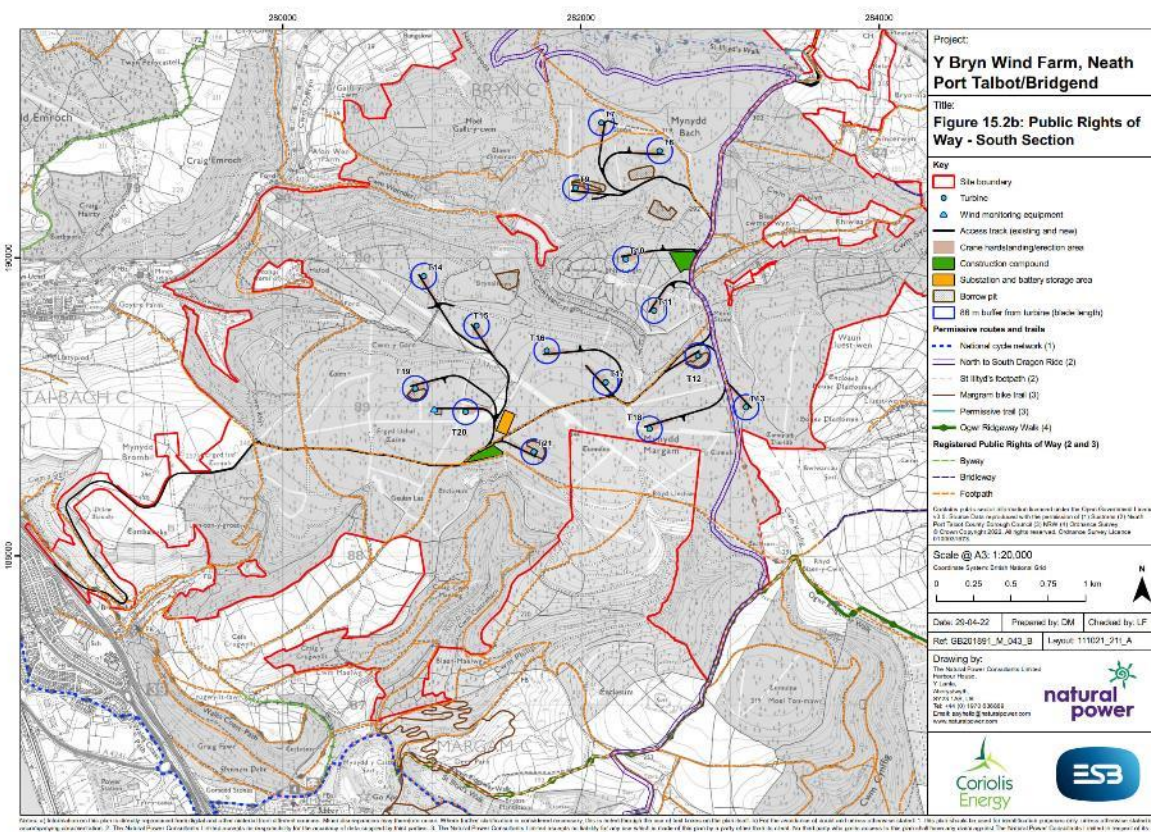
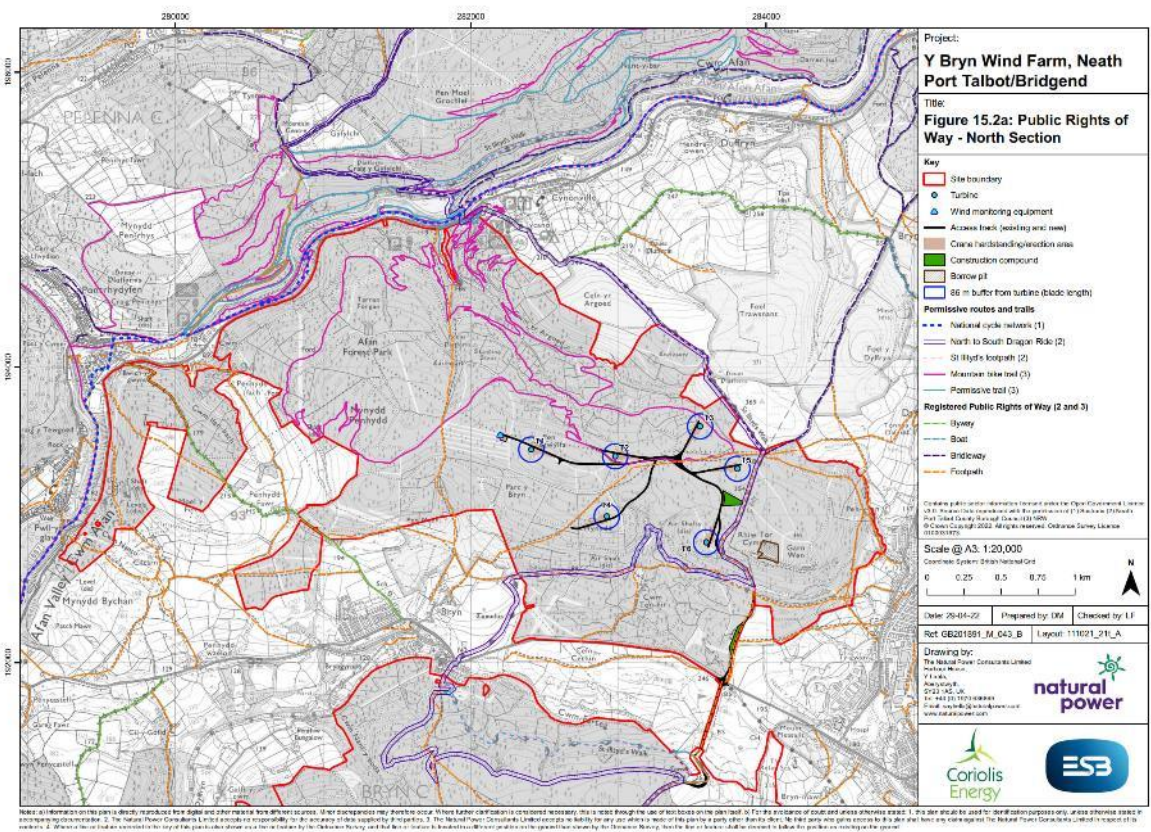
Lucy Freeman

Project Manager

+ [Redacted contact information]

Encl. Y Bryn Wind Farm – Figure 15.2: Public Rights of Way

A3.3.47 NPTCBC RESPONSE TO PROW LETTER – MAY 2022



Ffion Edwards

From: Jon Griffiths <[REDACTED]>
Sent: 10 May 2022 16:40
To: Trevor Hunter; mathew.palmer <[REDACTED]>
Cc: [REDACTED]
Subject: RE: Y Bryn wind farm - Public rights of ways

Hi Trevor

Many thanks for the email together with the letter setting out an approach going forward. The contents of which are acceptable. I've been speaking with my legal officers regarding the proposed permissive alternative and they've suggested that perhaps a better way forward would be an access agreement for the lifetime of the wind farm (including any extensions on its use). This they suggest would be a more appropriate mechanism rather than using a permissive path agreement that by its very nature could be permitted at any time. Would this more formal agreement be something that you would accept?

Jon

From: Trevor Hunter <[REDACTED]>
Sent: 29 April 2022 15:58
To: Jon Griffiths <[REDACTED]>; mathew.palmer <[REDACTED]>
Cc: Steven Jenkins <[REDACTED]>; lee.evans <[REDACTED]>; Ffion Edwards <[REDACTED]>; Lucy Freeman <[REDACTED]>
Subject: Y Bryn wind farm - Public rights of ways

Hi Jon, Mathew,

Many thanks again for your engagement with us in respect of mitigating impacts for public rights of way.

By way of confirmation, please find attached a letter setting out the approach that we had agreed, including a couple of draft proposed planning conditions (on which your comments are welcomed).

We're submitting this under the terms of the Planning Performance Agreement. Any questions or comments at all happy to clarify by email or with another call, whatever suits.

Best regards,

Trevor Hunter
Project Manager
Coriolis Energy

Mobile: [REDACTED]
Office: [REDACTED]
Email: [REDACTED]
Website: www.coriolis-energy.com
Address: 22-24 King Street, Maidenhead, Berkshire SL6 1EF

Please consider the environment before printing this e-mail

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A3.3.48 BRIDGEND RESPONSE TO PROW LETTER- MAY 2022

Ffion Edwards

From:

Mathew Palmer <[REDACTED]>

Sent:

11 May 2022 12:21

To:

Trevor Hunter; Jon Griffiths

Cc:

Steven Jenkins; Lee Evans; Ffion Edwards; Lucy Freeman

Subject:

RE: Y Bryn wind farm - Public rights of ways

Hi Trevor,

Thank you for your email dated 29th April along with the letter setting out the approach going forward as well as the draft proposed planning conditions.

Firstly, I apologise for the delay in replying but trust that the following information is of assistance.

I have now had an opportunity to discuss the letter with the Rights of Way Manager at Bridgend CBC and would make the following comments:

- The RoW Manager has asked for written confirmation of the maximum blade length of T13 and confirmation that no registered public footpath will be within the over-sail of a turbine.
- It is our belief that in p.2 of the letter the word “permitted” in the 4th line should be altered to either registered or Definitive to clarify that that is what is being referred to and not ‘permissive’ routes.
- Also on p.2 where the recorded permissive North to South Dragon Route is being referred to (line 8) we believe that “bridleway” should be inserted after “permissive” so that it is obvious that any proposed diversion then relates to this permissive bridleway and not the footpath over which it runs otherwise the public might query why other footpaths are not being diverted because they’re within the same distance from the turbines.
- The same would need to be changed on p.3

I can also confirm that we are happy with the proposed conditions within the document.

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

Kind Regards,

Mathew

Mathew Palmer

Swyddog Hawliau Tramwy a Thir Mynediad | Rights of Way & Access Land Officer

Cymunedau | Communities

Cyngor Bwrdeistref Sirol Pen-y-bont ar Ogwr | Bridgend County Borough Council

Ffon | Phones:

[REDACTED]

E-bost | Email:

[REDACTED]

Gwefan | Website:

www.bridgend.gov.uk

Rydym yn croesawu gohebiaeth yn y Gymraeg. Rhwch wybod i ni os yw eich dewis iaith yw'r Gymraeg.

We welcome correspondence in Welsh. Please let us know if your language choice is Welsh.

From:

Trevor Hunter <[REDACTED]>

Sent:

29 April 2022 15:58

To:

Jon Griffiths <[REDACTED]>; Mathew Palmer <[REDACTED]>

Cc:

Steven Jenkins <[REDACTED]>; Lee Evans <[REDACTED]>; Ffion Edwards <[REDACTED]>; Lucy Freeman <[REDACTED]>

Subject:

Y Bryn wind farm - Public rights of ways

Hi Jon, Mathew,

Many thanks again for your engagement with us in respect of mitigating impacts for public rights of way.

By way of confirmation, please find attached a letter setting out the approach that we had agreed, including a couple of draft proposed planning conditions (on which your comments are welcomed).

We’re submitting this under the terms of the Planning Performance Agreement. Any questions or comments at all happy to clarify by email or with another call, whatever suits.

Best regards,

Trevor Hunter
Project Manager
Coriolis Energy

Mobile: [REDACTED]
Office: [REDACTED]
Email: [REDACTED]
Website: www.coriolis-energy.com
Address: 22-24 King Street, Maidenhead, Berkshire SL6 1EF

A3.3.49 SOLTYS BREWSTER LETTER EXPLAINING APPROACH TO INCLUDING FORESTRY IN SLVIA CHAPTER AND VISUALS TO NRW – JUNE 2022

Rafe Osborne

From: Greg Vaughan <[REDACTED]>
Sent: 24 June 2022 13:52
To: [REDACTED]
Cc: Rafe Osborne; Richard Cole; Steve Mann; Guy Cope; [REDACTED]; Trevor Hunter; Ffion Edwards
Subject: Y Bryn Wind Farm - Forestry in SLVIA Chapter.
Attachments: Copy of NRW Forestry Management Plan letter_Y Bryn (CORRESPOND - 1281854 - 1 - A3) - 2nd DRAFT SBC.DOCX 24.06.22.pdf; Figure – Lines of Sight over NRW Long Term Felling Plan.pdf; Example Photowire (VP2 – Maesteg Golf Course).pdf

Good afternoon Lisa

We are writing to inform you of our proposed approach for including forestry in the Y Bryn Wind Farm SLVIA chapter and associated figures.

- Attached are:
- NRW forestry visuals letter 23.06.22: A letter giving context on the requirement for including forestry in the SLVIA, and detailing how we propose to do this.
 - Figure – Lines of Sight over NRW Long Term Felling Plan: An example figure showing the lines of sight from VP2 to visible turbines, overlaying the NRW Long Term Felling Plan.
 - Example Photowire (VP2 – Maesteg Golf Course): An example visual figure with photowire of turbines showing ‘bare earth’ worst case scenario over the photomontage for this viewpoint.

Please do not hesitate to advise of any questions or clarifications on any element of the attached documents, and we now look forward to any comments that you may have regarding the above and attached.

best regards

Greg Vaughan

Greg Vaughan
Senior Associate
Mobile: [REDACTED]

soltysbrewster

UK Tel: [REDACTED] Ireland Tel: [REDACTED]

soltysbrewster.com A Carbon Neutral Company ISO 9001 + ISO 14001

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24 June 2022

soltysbrewster
CONSULTING

FAO Lisa Jones
National Resources Wales

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

Dear Lisa,

RE: Y Bryn Wind Farm

We are currently reviewing the approach to be taken to assess the effects on visual amenity of the proposed Y Bryn Wind Farm in combination with Natural Resources Wales (NRW) forestry management plan (refer to *Figure – Lines of Sight over NRW Long Term Felling Plan* attached, which shows the proposed management plan from 2022-2051).

In relation to the suggested approach to assess felling in the ‘Seascape Landscape and Visual Assessment’ (SLVIA) chapter for Y Bryn Wind Farm, consultation letters were issued to NRW, amongst other consultees, with the following commitment:

‘Removal of forestry associated with the wind farm (if visible) only will be illustrated on the photomontages. Forestry removal as shown on NRW’s Forestry Design Plan not directly associated with Y Bryn Wind Farm or that lie outside of the site boundary will be illustrated on visualisations from viewpoints where it is deemed necessary to illustrate any potential changes in the view due as a result of felling. Any potential effects on landscape character and visual amenity as a result of felling will also be described within the assessment text’.

Felling directly associated with y Bryn Wind Farm will be minimal as it follows a key hole approach, and not whole coupe felling. However, if deemed applicable, these will be shown on the photomontages.

With regards to forestry removal that is not related to the wind farm i.e. ongoing forestry management by NRW, we are proposing the following approach within the SLVIA. From the 37 agreed viewpoints that are included in Chapter 8 of the Environmental Statement, we have identified the following 12 viewpoints from where currently planned NRW forestry management may potentially result in a notable change in visual amenity:

- VP1 – Evans Terrace, Caerau
- VP2 – Maesteg Golf Course
- VP3 – Bryn (Play Area, off Neath Road)
- VP4 – Brynna Road, Cwmafan
- VP8 – Margam Park (Deer Park)
- VP13 – Junction of Heol Gelli Lenor and Brynlllywarch, Maesteg
- VP17 – Margam Park

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Soltys Brewster Consulting is the
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Consulting Ltd

- VP23 – Margam Park Access Road
- VP24 – Wales Coast Path, Kenfig Burrows
- VP25 – Bryn East, picnic area opposite Royal Oak Public House
- VP26 – Ogwr Ridgeway Walk, near Bwlwarcau Hill Fort
- VP28 - Llangynwyd

The methodology that we propose to adopt is outlined below:

- Identify lines of sight from each viewpoint, extending to the nearest turbines within each view in order to assist in referencing/locating individual forestry coupes that are shown within the attached *Figure – Lines of Sight over NRW Long Term Felling Plan*. This figure shows an example of this approach for VP2 – Maesteg Golf Course.
- Prepare a photowire to illustrate the bare earth view superimposed with the photomontage. These figures indicate the ‘worst case’ scenario i.e. that all forestry coupes would be harvested at the same time, which in reality is not the case. Please note that photomontages cannot be accurately produced to illustrate changes in the view due to the inherent dynamic nature of forestry growth and management with ongoing harvesting and replanting operations. An example Photowire for VP2 – Maesteg Golf Course is enclosed.
- Descriptive text, where applicable, from each of the proposed viewpoints to describe the variation in likely views and effects on visual amenity over the 50 year life time of the proposed development as a result of the NRW long term forestry strategy. An example of the descriptive text for VP2 – Maesteg Golf Course is included below.

Example descriptive text for VP2 – Maesteg Golf Course:

There are two areas of forestry currently planned for felling in direct line-of-sight to the nearest turbines, T7 and T8, within the southern section. Both forestry coupes are approximately 400 m from the VP to the south-west. The coupe shaded dark orange colour on Figure – Lines of Sight over NRW Long Term Felling Plan is due to be clear felled between 2027 to 2031 and the coupe shaded dark green between 2042 to 2046. Immediately beyond these forestry coupes, further to the south-west on the Mynydd Bach plateau, is an extensive block of unassigned forestry which was planted between 1980 to 1999. Following felling of the above forestry blocks to the front of the young forestry, which is scheduled to be completed by 2046, the assigned management (shaded light blue) will have an additional 24 years of growth and to have reached a mature height being 47 to 66 years old. This area of forestry, will effectively duplicate the degree of screening currently provided by the coupes due to be harvested from 2027 onwards. The two coupes harvested will, in addition, it is assumed be replanted and will offer further screening from year 2031 onwards. Following the harvesting of forestry in 2042, the blade tips of T9, T10 and T11 should remain screened from view to a degree by the unassigned forestry.

Within the northern section, the forestry coupe located on Caer Mynydd/Parc y Bryn (shaded orange) is due be harvested between 2027 and 2031. Following this, there will potentially be increased visibility towards the lower part of the tower to T4 as well as to T1. However, the unassigned management areas surrounding the forestry coupe (planted 2004 and 2014) will continue to establish and will reimpose a degree of screening that currently exists to T4. However, the forestry coupe titled ‘minimum intervention crops’ and also the coupe of ‘Low impact silvicultural system’ will also contribute to the degree of screening provided to the towers of turbines T4 and also T6. For all other turbines there will be no perceptible change following forestry management during the lifetime of the proposed development from currently planned management.

Evaluations for magnitude of impacts, both individually and cumulatively, will remain as assessed as there will no discernible change to views following implementation of the forestry management.

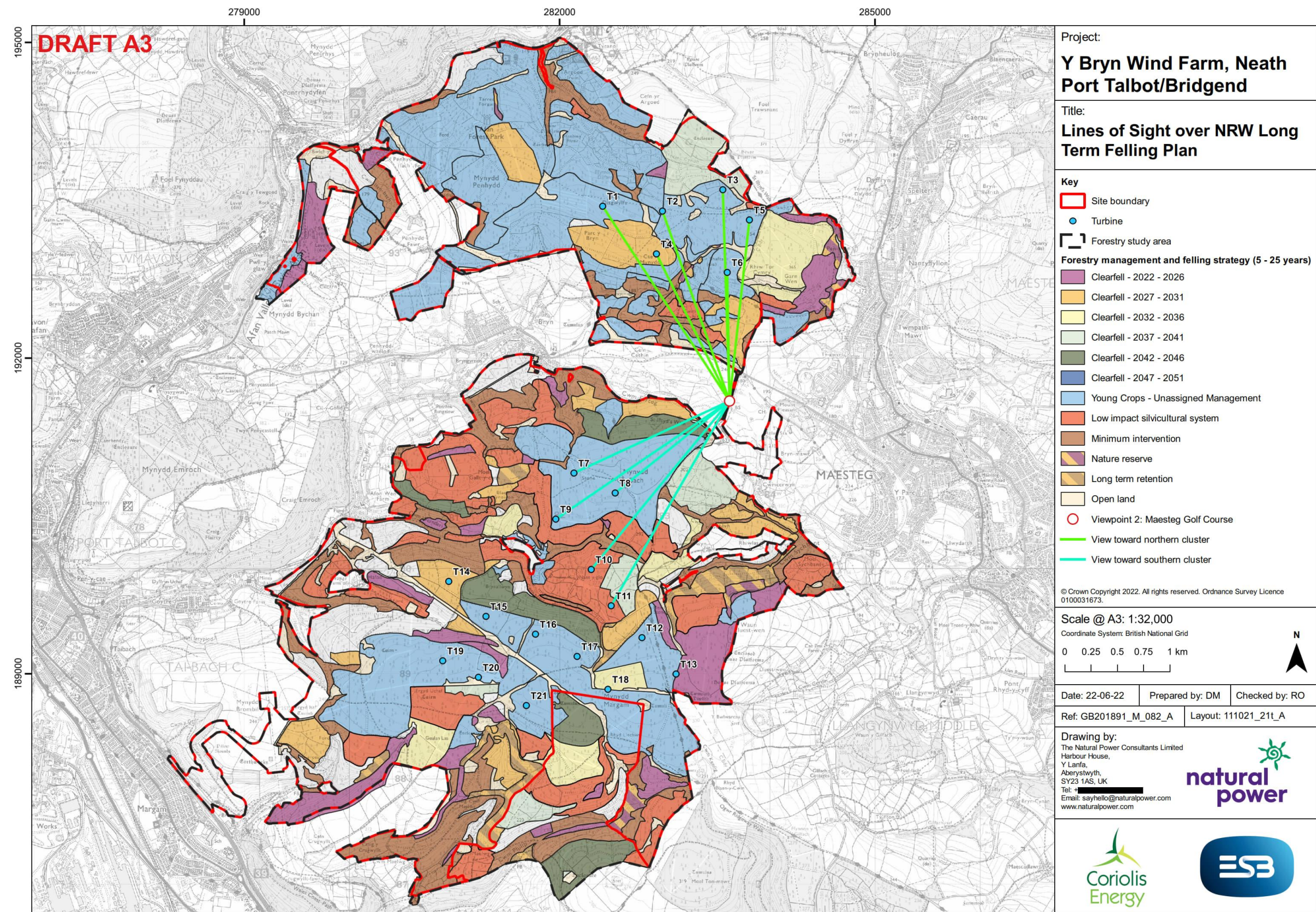
I would be grateful if you could confirm if the above approach is acceptable to you.

Yours sincerely

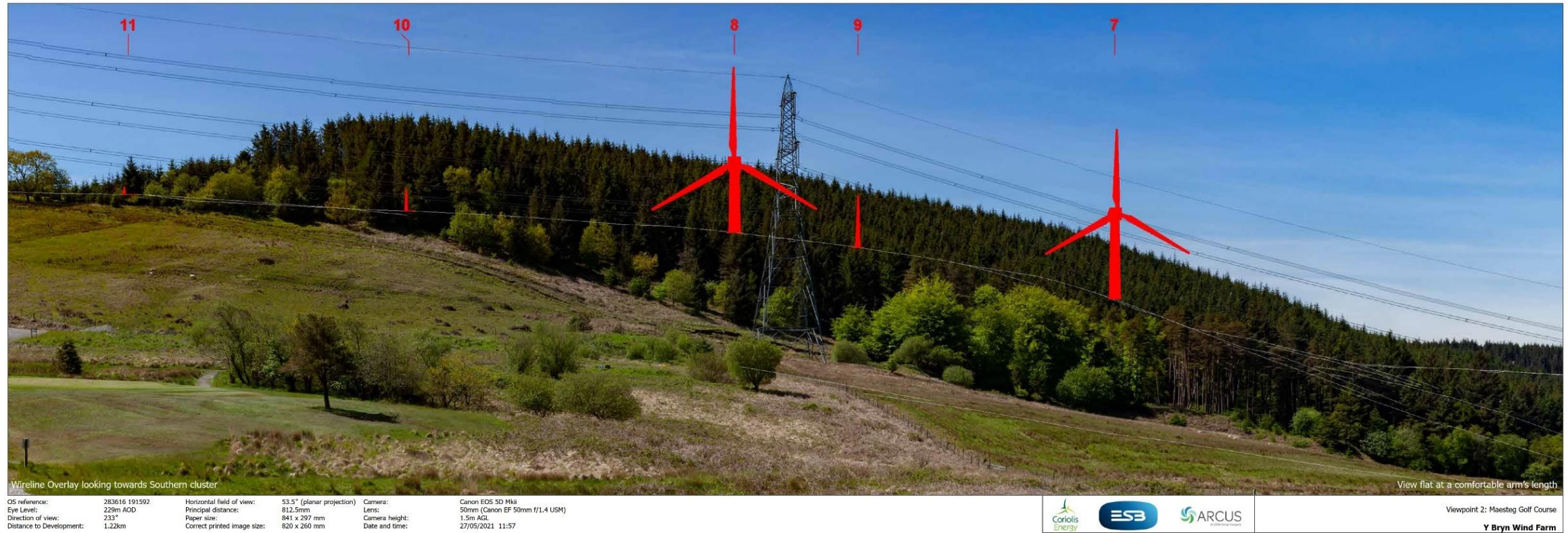
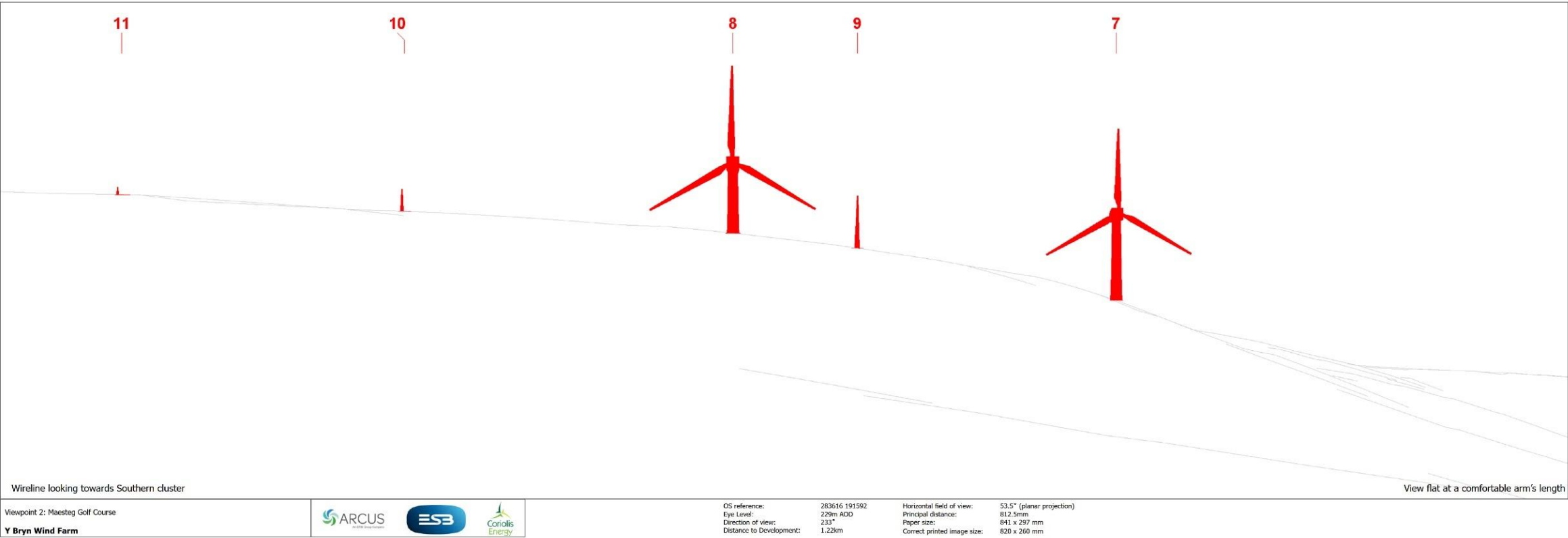
Richard Cole

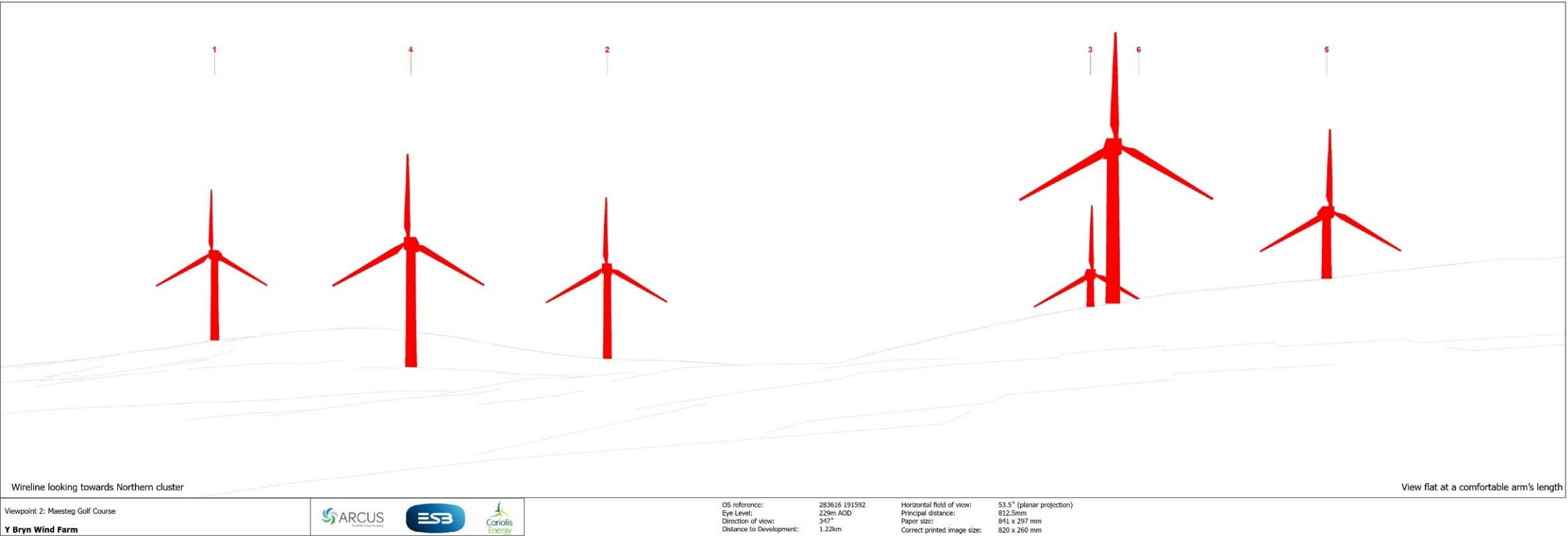
Encs:

Figure – Lines of Sight over NRW Long Term Felling Plan
Example Photowire (VP2 – Maesteg Golf Course)



Notes: a) Information on this plan is directly reproduced from digital and other material from different sources. Minor discrepancies may therefore occur. Where further clarification is considered necessary, this is noted through the use of text boxes on the plan itself. b) For the avoidance of doubt and unless otherwise stated: 1. this plan should be used for identification purposes only, unless otherwise stated in accompanying documentation. 2. The Natural Power Consultants Limited accepts no responsibility for the accuracy of data supplied by third parties. 3. The Natural Power Consultants Limited accepts no liability for any use which is made of this plan by a party other than its client. No third party who gains access to this plan shall have any claim against The Natural Power Consultants Limited in respect of its contents. 4. Where a line or feature recorded in the key of this plan is also shown as a line or feature by the Ordnance Survey, and that line or feature is located in a different position on the ground than shown by the Ordnance Survey, then the line or feature shall be deemed to follow the position as existing on the ground.





A3.3.50 NRW RESPONSE TO SOLTYS BREWSTER FORESTRY IN VISUALS AND CHAPTER LETTER AND NP ILLUSTRATIVE EXAMPLES OF AVIATION LIGHTING- JUNE 2022

Rafe Osborne

From: SW Planning <[REDACTED]>
Sent: 30 June 2022 16:06
To: Greg Vaughan; Lucy Freeman
Cc: Rafe Osborne
Subject: Y Bryn Wind Farm - Forestry in SLVIA Chapter. NRW:01312655

Good afternoon all,

Thank you for your e-mail's regarding the proposed approach for including forestry in the Y Bryn Wind Farm SLVIA chapter and associated figures, provided by Greg on 24.06.22 and the documents provided by Lucy on 29.6.22.

As previously advised we can provide you with advice prior to the formal PAC consultation, but this would fall under our charged discretionary advice service (DAS).

All information on this advice services can be found on our website at:
<https://naturalresources.wales/guidance-and-advice/business-sectors/planning-and-development/advice-for-developers/our-service-to-developers/?lang=en>

If you wish to pursue this service you should complete the relevant form found at the bottom of the above webpage and provide the necessary documents to support the request, and send back all correspondence to this email address.

However, our Discretionary Planning Advice Service is discretionary and while we aim to meet the demand for this service, there may be times where our capacity to do so is limited.

I hope the above information is helpful. Please don't hesitate to contact me if you have any further queries.

Kind regards,

Lisa

Lisa Jones
Ymgynghorydd Cynllunio Datblygu/ Development Planning Advisor
Cyfoeth Naturiol Cymru / Natural Resources Wales

In light of recent events, I am currently working from home and as such not contactable on the phone. If you need to get in touch, please email me and I will respond as quickly as possible.

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Croesewir gohebiaeth yn Gymraeg a byddwn yn ymateb yn Gymraeg, heb i hynny arwain at oedi.
Correspondence in Welsh is welcomed, and we will respond in Welsh without it leading to a delay.

A3.3.51 HEADLAND EMAIL TO CADW REQUESTING PRE-CONSULTATION VIEW ON CULTURAL HERITAGE ASIDOHL – JULY 2022

Rafe Osborne

From: Jennifer Richards <[REDACTED]>
Sent: 27 July 2022 13:23
To: [REDACTED]
Cc: Ffion Edwards; Rafe Osborne
Subject: Bryn Wind Farm ASIDOHL

Dear Neil

There will be formal "Pre-Application Consultation" (PAC) on the whole Bryn application as part of the DNS process in the coming months but ahead of this I wanted to share our draft ASIDOHL assessment with you for informal comments – its too large to email so I will send you a WeTransfer link shortly. Apologies, I had thought we'd already sent this to you, but it got caught up in an internal / client review cycle before I managed to get a draft out to you. It is therefore more complete than you had indicated you wished to comment on, I hope that's ok.

I hope that you feel able to agree with the findings of Stages 1-4, but I would be happy to discuss any comments you have on these. Any feedback on Stage 5 would also be appreciated, though as we've discussed previously this stage is less factual than the previous and more a matter of professional judgement.

Best regards
Jen



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Jennifer Richards Senior Heritage Consultant
BA (Hons) PGDip MCIfA

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Headland Archaeology Midlands & West
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A3.3.52 CADW RESPONSE TO HEADLAND REQUEST FOR ASIDOHL COMMENTS- AUGUST 2022

Rafe Osborne

To: [REDACTED]
Subject: RE: Bryn Wind Farm ASIDOHL

From: [REDACTED] >
Sent: 04 August 2022 11:38
To: [REDACTED]
Cc: Ffion Edwards <[REDACTED]>; Rafe Osborne <[REDACTED]>
Subject: RE: Bryn Wind Farm ASIDOHL

Hi Jen

I have some issues in regard to ASIDOHL in particular the indirect impact on HCLA001. The main component of this area is the grade 1 registered historic park and garden which is correctly identified as a grade A asset however a number of associated features of the park have been identified in the assessment as they are included in the HER such as Internal Park Boundary, Nursery, Margam Park (GGAT Ref. 08392w) and therefore are graded as category B. As they are part of the registered historic park and garden they should be grade A otherwise by including a large number of elements of the park in the assessment you artificially lower the scores considerably. It may be easier to discount all of the separate elements of the registered park and garden included in the HER from the ASIDOHL as they are covered by the assessment of that Asset) if this is done an explanatory note should be included in the report). Therefore the assessment of the indirect impact on HCLA001 needs to be redone.

There is a need for all of the calculations included in the ASIDOHL to be checked. For instance the calculation done for the indirect impact on HCLA001 A9.3.41 – A9.3.42 is wrong. This currently reads

$$\begin{aligned} \text{Indirect visual impacts} = & (4+4) + (4+4) + (4+3) + (4+3) + (4+3) + (4+3) + (4+2) + (4+3) + (4+3) + (4+1) + (3+3) + (3+1) \\ & + (3+2) + (3+2) + (3+3) + (3+1) + (3+2) + (3+2) + (3+1) + (3+1) + (3+2) + (3+3) + (3+2) + (3+3) + (3+2) + (3+2) \\ & + (3+2) + (3+2) + (3+4) + (3+3) + (3+3) + (3+4) + (3+3) + (3+2) + (3+4) + (3+4) + (3+2) + (3+4) + (3+3) + (3+3) + (3+2) \\ & + (3+3) + (3+3) + (3+3) + (3+3) + (3+3) + (3+3) + (3+3) + (3+3) + (3+1) + (3+1) + (3+2) + (3+3) + (3+2) + (3+1) \\ & + (3+3) + (3+2) + (3+3) + (3+3) + (3+3) + (3+3) + (3+2) + (3+2) + (3+2) + (3+3) + (3+3) + (3+3) + (3+3) + (3+3) \\ & + (3+3) + (3+3) + (3+3) + (3+3) + (3+3) + (2.6+4) + (2.6+4) / 77+2 = 455.2 / 79 = 5.6 \end{aligned}$$

Overall indirect impacts: $(0) + (5.6) = 5.6$.

Converted to the 28 point scale this is:

$$5.6 \times 28 / 20 = 7.8$$

However by my calculations this should be

$$\begin{aligned} \text{Indirect visual impacts} = & (4+4) + (4+4) + (4+3) + (4+3) + (4+3) + (4+3) + (4+2) + (4+3) + (4+3) + (4+1) + (3+3) + (3+1) \\ & + (3+2) + (3+2) + (3+3) + (3+1) + (3+2) + (3+2) + (3+1) + (3+1) + (3+2) + (3+3) + (3+2) + (3+3) + (3+3) + (3+2) + (3+2) \\ & + (3+2) + (3+2) + (3+4) + (3+3) + (3+3) + (3+4) + (3+3) + (3+2) + (3+4) + (3+4) + (3+2) + (3+4) + (3+3) + (3+3) + (3+2) \\ & + (3+3) + (3+3) + (3+3) + (3+3) + (3+3) + (3+3) + (3+3) + (3+3) + (3+1) + (3+1) + (3+2) + (3+3) + (3+2) + (3+1) \\ & + (3+3) + (3+2) + (3+3) + (3+3) + (3+3) + (3+3) + (3+2) + (3+2) + (3+2) + (3+3) + (3+3) + (3+3) + (3+3) + (3+3) \\ & + (3+3) + (3+3) + (3+3) + (3+3) + (2.6+4) + (2.6+4) / 77+2 = 455.2 / 79 = 5.76 \end{aligned}$$

Overall indirect impacts: $(0) + (5.6) = 5.76$ which rounded up is 5.8

Converted to the 28 point scale this is:

$$5.8 \times 28 / 20 = 8.12$$

This is a small error but allows questions to be raised in regard to the credibility of the ASIDOHL

In regard to my initial thoughts on stage 5, I feel that the score for HCLA001 is low but this may increase when you do the recalculation I have suggested above. Otherwise, I feel the result is about right.

Finally when the impact of development on a historic landscape has been considered at a hearing the Inspectors have normally noted the overall impact on the whole RHL but have been particularly concerned about the impact on the individual HCLAs.

If you want to send me a revised draft ASIDOHL once you have made the changes to HCLA001 and checked you calculations I would be happy to check it.

Best wishes

Neil

A3.3.53 HEADLAND RESPONSE TO CADW ON ASIDOHL COMMENTS – AUGUST 2022

Rafe Osborne

To: Jennifer Richards
Subject: RE: Bryn Wind Farm ASIDOHL

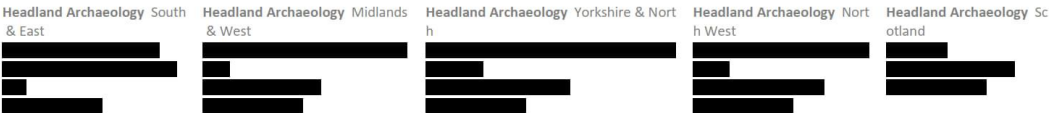
From: Jennifer Richards <[REDACTED]>
Sent: 04 August 2022 14:58
To: [REDACTED]
Cc: Ffion Edwards <[REDACTED]>; Rafe Osborne <[REDACTED]>
Subject: RE: Bryn Wind Farm ASIDOHL

Thank you Neil, I very much appreciate your feedback. For the non-designated elements of the registered park I will discount these from the assessment / include them as part of the assessment of the registered area as this will also make the calculation for HLCA001 easier.
I'll triple check all the other calculations too. I'll be in touch with a further draft if this throws up a significantly different conclusion (beyond the potential for effects on HLCA001 to be increased as you've already noted), otherwise there will be another opportunity for comment on the formal pre-application submission.

Best regards
Jen



Jennifer Richards Senior Heritage Consultant
BA (Hons) PGDip MCIfA
Headland Archaeology Midlands & West
Unit 1 | Clearview Court | Twyford Road | Hereford | HR2 6JR
t [REDACTED] | m [REDACTED]
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A3.3.54 NP REQUEST TO NRW FOR PRE-CONSULTATION COMMENTS ON Y BRYN ES – MAY 2022

Rafe Osborne

To: Lucy Freeman
Subject: RE: Y Bryn Wind Farm - Introduction and Pre/Draft PAC Consultation
NRW:01312538

----- Original Message -----
From: Lucy Freeman <[REDACTED]>;
Received: Wed May 04 2022 11:05:22 GMT+0100 (British Summer Time)
To: Swplanning <[REDACTED]>; South West Planning MailBox Queue <[REDACTED]>;
Cc: Natural Power <[REDACTED]>; Rafe Osborne <[REDACTED]>;
Ffion Edwards <[REDACTED]>;
Subject: Y Bryn Wind Farm - Introduction and Pre/Draft PAC Consultation

FAO Lisa Jones, Development Planning Advisor

Hi Lisa,

As I understand you are the new case officer regarding Y Bryn Wind Farm.
My name is Lucy Freeman and I am a Project Manager from Natural Power working on coordinating and managing the EIA for the proposed development.
My colleagues Ffion Edwards, Associate Technical Director is overseeing the project, and Rafe Osborne, Project Manager is working alongside me coordinating the EIA (who I believe you have already been in contact with concerning aviation lighting), both cc'd in.
I thought I would first introduce the team and also wanted to understand your views on pre PAC consultation. Prior to formal PAC if we were to share ES chapters with NRW (as consultee) would you be amenable to consulting based on these chapters as a pre/draft PAC before formal PAC?

- ES chapters are listed below:
1. Introduction
 2. Legal and Policy Context
 3. Approach to EIA
 4. Site Selection and Design Evolution
 5. Project Description
 6. Ecology
 7. Ornithology
 8. Seascape, Landscape and Visual Impact
 9. Cultural Heritage
 10. Hydrology, Geology and Hydrogeology
 11. Traffic & Transport
 12. Noise
 13. Forestry
 14. Health & Public Safety
 15. Aviation & Existing Infrastructure
 16. Socioeconomic
 17. Residual Effects, Mitigation and Enhancement

Which chapters from the list above would you be interested in seeing?

Your thoughts would be greatly appreciated.

Many thanks,

Lucy

Lucy Freeman
Project Manager
mobile: [REDACTED]
email: [REDACTED]

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A3.3.55 NRW RESPONSE TO NP REQUEST FOR PRE-CONSULTATION COMMENTS ON Y BRYN ES

Rafe Osborne

To: Lucy Freeman
Subject: RE: Y Bryn Wind Farm - Introduction and Pre/Draft PAC Consultation NRW:01312538

From: SW Planning <[REDACTED]>
Sent: 05 May 2022 16:09
To: Lucy Freeman <[REDACTED]>; SW Planning <[REDACTED]>
Cc: Ffion Edwards <[REDACTED]>; Rafe Osborne <[REDACTED]>; Ffion Edwards <[REDACTED]>
Subject: RE: Y Bryn Wind Farm - Introduction and Pre/Draft PAC Consultation NRW:01312538

Good afternoon Lucy,

Thank you for your e-mail and the introduction to the other member of the team working on the proposed development.

We can provide advice on the draft Environmental Statement, prior to the formal PAC consultation, this would fall under our charged discretionary advice service (DAS).

All information on this advice services can be found on our website at:
<https://naturalresources.wales/guidance-and-advice/business-sectors/planning-and-development/advice-for-developers/our-service-to-developers/?lang=en>

If you wish to pursue this service you should complete the relevant form found at the bottom of the above webpage and provide the necessary documents to support the request, and send back all correspondence to this email address.

However, our Discretionary Planning Advice Service is discretionary and while we aim to meet the demand for this service, there may be times where our capacity to do so is limited. At present, we are unable to accept any new pre-planning consultations.

I hope the above information is helpful. Please don't hesitate to contact me if you have any further queries.

Kind regards,

Lisa

Lisa Jones
Ymgynghorydd Cynllunio Datblygu/ Development Planning Advisor
Cyfoeth Naturiol Cymru / Natural Resources Wales

In light of recent events, I am currently working from home and as such not contactable on the phone. If you need to get in touch, please email me and I will respond as quickly as possible.

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Croesewir gohebiaeth yn Gymraeg a byddwn yn ymateb yn Gymraeg, heb i hynny arwain at oedi. Correspondence in Welsh is welcomed, and we will respond in Welsh without it leading to a delay.

A3.3.56 NP RE-REQUEST FOR PRE-CONSULTATION COMMENTS ON Y BRYN ES – AUGUST 2022

Rafe Osborne

To: Lucy Freeman
Subject: RE: Y Bryn Wind Farm - Introduction and Pre/Draft PAC Consultation NRW:01312538

From: Lucy Freeman <[REDACTED]>
Sent: 03 August 2022 17:45
To: SW Planning <[REDACTED]>
Cc: Ffion Edwards <[REDACTED]>; Rafe Osborne <[REDACTED]>; Trevor Hunter <[REDACTED]>
Subject: RE: Y Bryn Wind Farm - Introduction and Pre/Draft PAC Consultation NRW:01312538

FAO Lisa Jones, Development Planning Advisor

Hi Lisa,

In your email below from May you indicated that you were unable to accept any pre-planning applications. Has the situation now changed and would it be likely that you have the resource and capacity to respond to a draft Environmental Statement at this time?

Most of the chapters, figures and appendices for Y Bryn Wind Farm Environmental Statement are in draft and are in a position to share with consultees for comment before formal PAC.

If you cannot offer the full service through the DPAS is there any way we could engage with yourselves in some capacity for example on a call to discuss conclusions or any other form of engagement you could offer to discuss the draft ES?

Many thanks,
Lucy

A3.3.57 NPTCBC PRE CONSULTATION ON Y BRYN ES – SEPTEMBER 2022

Megan Griffiths

From: Lucy Freeman
Sent: 20 September 2022 14:28
To: Megan Griffiths
Subject: FW: NPTCBC - Comments on Pre-PAC draft ES chapters
Attachments: Y Bryn Wind Farm - Pre-PAC August 2022.pdf; N422000900 - Y Bryn Wind Farm.docx; NPTCBC - Y Bryn - Pre-PAC comments.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

From: Trevor Hunter <[REDACTED]>
Sent: 20 September 2022 09:51
To: Ffion Edwards <[REDACTED]>; Lucy Freeman <[REDACTED]>; Rafe Osborne <[REDACTED]>
Subject: FW: NPTCBC - Comments on Pre-PAC draft ES chapters

FYI

From: Matthew Griffiths <[REDACTED]>
Sent: 20 September 2022 09:37
To: Trevor Hunter <[REDACTED]>
Subject: NPTCBC - Comments on Pre-PAC draft ES chapters

Dear Trevor,

Please find attached to this email the Authority's comments on the Pre-PAC chapters (noise comments to follow).

Kind regards,

Matthew Griffiths

Senior Planner – Uwch Cynllunydd
Neath Port Talbot County Borough Council/ Cyngor Bwrdeistref Sirol Castell-nedd Port Talbot Tel/Ffôn: 01639 686729

Email / E-bost: [REDACTED]

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Os hoffech ddefnyddio'r Gymraeg wrth ddelio â'r Cyngor os gwelwch yn dda cliciwch [yma](#)





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A3.3.58 NPTCBC PRE CONSULTATION COMMENTS ON Y BRYN ES – SEPTEMBER 2022

NEATH PORT TALBOT COUNTY BOROUGH COUNCIL

The Town and Country Planning (Development Management Procedure)
(Wales) Order 2015 (as amended)

HEAD OF ENGINEERING & TRANSPORT

OBSERVATIONS

PAC APPLICATION NO: N/4/22/0009/00
APPLICANT: TREVOR HUNTER – CORIOLIS ENERGY LTD
LOCATION: Y BRYN WIND FARM
PROPOSAL: PROPOSED WIND FARM OF UP TO 21 TURBINES

The Highway/Drainage Authority, in responding to the above application, provides the following substantive response:

No comment	☐
No objection (subject to any specified conditions below)	☒
Concerns have been identified (see below for how those concerns can be addressed by the applicant)	☐
Objection – on the grounds set out below	☐
SAB (SAB approval is required)	☒

MY OBSERVATIONS ON THIS PAC ARE AS FOLLOWS:-

I have no highway or drainage objection subject to the following observations:

1. Full TIA to be submitted and approved in writing by the LPA, SWTRA and Bridgend. Further comments may be added once submitted.
2. The preliminary TMP document is noted and we have the following comments, followed by a full TMP to be submitted to and approved in writing by the LPA as a condition to allow input from an appointed contactor. Nevertheless my comments are as follows:-
 - **Page 2 SITE ACCESS:** there are three links proposed, one in particular is through Goytre Road residential estate with HGVs and possibly LGV's. a recommendation would be that if all necessary deliveries can be achieved via other access links then we would encourage you to do so. If we could keep the traffic deliveries away from such housing estates this would be less of an concerns for residents and potential complaints, we understand that there would minimal traffic trips for this access link whereby this link would also be able to accommodate, however we kindly request the other more amenable access links be used.
 - Noted under **item 4.4** Timing of construction traffic: that construction traffic will be avoiding peak times for schools and other public amenities, there is also a peak time of traffic congestions (pm) in Port Talbot which

also need to be considered outside school dropping off and picking up times?

- **Item 4.2 & 4.7:** noted however, it would be useful to see a plan showing the routes and associated temporary and any permanent signage proposed.

3. Traffic details within Appendix 3 (Approach to EIA) items 15.2 Methodology and scope pages 82 to 83 are noted and that further supporting details are required for planning approval submission.
4. A Construction Method Statement for each phase of construction shall be submitted to and approved in writing by the Local Planning Authority. The statement shall provide for:
 - a. the parking of vehicles of site operatives and visitors
 - b. loading and unloading of plant and materials
 - c. storage of plant and materials used in constructing the development
 - d. the erection and maintenance of security hoarding including decorative displays and facilities for public viewing, where appropriate
 - e. wheel washing facilities
 - f. measures to control the emission of dust and dirt during construction
 - g. a scheme for recycling/disposing of waste resulting from demolition and construction works
 - h. scheme for the erection of temporary/semi temporary signage warning drivers of the presence of children and speed restrictions.
 - i. The Construction Method Statement shall be signed by a competent person(s).

The approved Statement shall be adhered to throughout the construction period.

5. Any structures identified required (new and/or upgraded) for this scheme such as embankments, walls and culverts will need to be submitted to and approved in writing by the LPA.
6. Construction and design details of access proposed off the trunk road (M4) onto the county roads are required for approval along with associated, street furniture, drainage and any utilities.
7. If applicable, a scheme showing the reinstatement of the proposed access off the trunk road (M4), showing either the access for use post construction or otherwise.
8. NOTE: any offsite works on the public highway will be subject to a section 278 agreement or a hybrid agreement of section 278/38 if this includes land to be adopted by the council as highway maintainable at public expense.
9. Any temporary removal or amendments to any street furniture or highway within the county road to allow for turbine deliveries will need to be identified and any mitigation measures require consent/approval from the highway authority.

HIGHWAY NOTES TO APPLICANT

If the works are required within the highway, the written consent of the Highway Authority shall be sought; this includes the placement of any skips, scaffolding, hoarding or any traffic management on the highway. You should therefore contact the Highway Maintenance Unit of Neath Port Talbot County Borough Council at The Quays, Brunel Way, Baglan Energy Park, Neath SA11 2GG) for the attention Gary Thomas (tel: 01639 686327 or email: g.thomas3@npt.gov.uk) to discuss any licences or approval required. This is required to be undertaken before any works commence on the Highway.

For the implementation of the Traffic Regulation Orders you should contact the Project Manager – Engineering of Neath Port Talbot County Borough Council at The Quays, Brunel Way, Baglan Energy Park, Neath, SA11 2GG. f.a.o Martin Brumby tel: 01639 686013 or email: m.brumby@npt.gov.uk who will advise you of the procedure for the implementation of the required Traffic Regulations Orders. *** Please note this process can take up to 6 months – subject to the consultation process outcome.**

In order to ensure the road works you are required to undertake are carried out to the satisfaction of the Local Planning Authority and subsequently adopted if you so wish you are advised prior to commencing any work on these works to contact the Head of Engineering and Transport Services at The Quays, Brunel Way, Baglan Energy Park, Neath, SA11 2GG (FAO Mr Justin Griffiths, telephone number (01639) 686397 or e-mail j.griffiths4@npt.gov.uk) to agree the specification, enter an adoption agreement and arrange onsite inspection of your works.

Any agreement to adopt the roads relating to this development should be entered into with the Council prior to the commencement of development. Such an agreement will be under Section 38 of the Highways Act 1980 relating to the specification, timescale and subsequent adoption of the roads and a Bond to ensure that the Authority can complete the works if the Developer defaults on the roadworks.

Prior to commencing any works on site the applicant will be required to enter into an agreement with the Authority under Section 278 of the Highway Act 1980 to carry out the works upon the existing public highway. You are advised prior to commencing any work on these works to contact the Head of Engineering and Transport Services at The Quays, Brunel Way, Baglan Energy Park, Neath, SA11 2GG (FAO Mr Justin Griffiths, telephone number (01639) 686397 or e-mail j.griffiths4@npt.gov.uk) to agree the specification, enter the agreement and arrange on site inspection of your works.

Developers' attention is drawn to the provisions of Section 278 of the Highways Act, 1980 in cases where a development would require access or other works to be carried out within the existing highway. Where highway works to benefit a development require land adjacent to an existing highway to be constructed upon together with works on the existing public maintained highway, a hybrid S38/278 shall be used. Works that are to be undertaken within the existing public maintained highway only will require a S278 agreement. No Work shall

be undertaken on the existing public maintained highway until the appropriate legal agreement has been entered into.

Any works undertaken on the public highway without the appropriate legal agreement with the Highway Authority, the Highway Authority has the right to request the developer to remove and/or reinstate that part of the highway back to its original condition to the satisfaction of the Highway Authority.

A plan detailing the differences between the existing and proposed highway shall be submitted to form part of the legal agreement, this should be made up of two colours, green for the proposed area to be adopted and brown for the existing highway.

Developers are reminded that consent under the Town and Country Planning Act, 1990/91, conveys no approval for works to be undertaken affecting any part of the public highway, including verges and footways. The Developer must:-

(i) Obtain the approval of Neath Port Talbot County Borough Council as Highway Authority for the details of any works to be undertaken in the Public Highway.

(ii) Indemnify the Authority against all claims arising from such works, including claims under the Land Compensation Act.

(iii) Give not less than 1 calendar months' notice in writing of the date of commencement of the works.

As part of this process you are advised that any principle contractors and/or subcontractors that are on the Local Authority's framework approved list are permitted to undertake the works on the public highway, a list of these contractors are available from the Highway Authority's Highway Development Control Section on request.

DRAINAGE:

1. Prior to any works commencing on site SAB approval will be required. To commence work is a breach of SAB approval required under Paragraph 7 (1) Schedule 3 of the Flood and Water Management Act 2010 whereby legal action will be taken by the Authority under The Sustainable Drainage (Enforcement) (Wales) Order 2018. Guidance and applications can be found on <https://www.npt.gov.uk/sab>
2. Should any springs or ground water seepage be encountered the on site works in that area shall cease until a scheme for collection and disposal of the water has been submitted to and approved in writing by the Local Planning Authority. No ground water shall ever be discharged into the proposed drainage scheme.
3. There must be no interference, alteration or diversion of any ditch, watercourse, stream or culvert crossing or bordering the site, without prior consultation and agreement with the Authority.
4. Unless otherwise agreed in writing by the Local Planning Authority, foul water and surface water discharges shall be drained separately from the site.
5. No surface water or Land drainage run-off shall be allowed to connect, either directly or indirectly, to the public sewerage system unless otherwise approved in writing by the Local Planning Authority.
6. Adequate provision shall be made for the drainage of the site, to ensure that the drainage of any adjoining land is not interrupted or otherwise adversely effected by the development during the life time of construction.

DRAINAGE NOTE TO APPLICANT

Please note that from 7th January 2019, all new developments of more than 1 house, or where a construction area is of 100m² or more, plus if the SAB authority believe that any redevelopment of land has significant surface water drainage implications. This will require sustainable drainage - built in accordance with mandatory standards for sustainable drainage published by Welsh Ministers - to manage on-site surface water. More information is available in Schedule 3 of the Flood & Water Management Act 2010.

These systems must be approved by the Council's Highway Development Control service acting in its SuDS Approving Body (SAB) role before construction work begins. In this respect it is essential that a developer of any such project gain SAB approval of its surface water drainage alongside any relevant planning permission. You will not be allowed to start construction until both permissions have been approved.

If you have not done so already, and your development would not fall into any of the relevant exceptions, you are therefore strongly encouraged to request further advice from the SAB. Involving the SAB Officers in pre-application discussions will allow for SuDS drainage matters (to ensure suitability of proposed SuDs design in line with national standards and adequate site layout) to be considered alongside the

A3.3.59 NPTCBC PRE CONSULTATION COMMENTS ON Y BRYN ES ECOLOGY –
SEPTEMBER 2022

assessment of planning merits. There is an additional charge of £250 for this service. This can be as part of any agreed further pre-application submissions with the Planning Authority (recommended) or independently/ direct with the SAB. You are advised, however, that failing to engage in joint pre-application discussions has the potential to lead to delays and, most notably, the potential need to obtain further planning permission should any agreed SuDS design not be compliant with any relevant planning permission. Further details are available at www.npt.gov.uk/sab.

Prior to commencement of any works within a watercourse, hereby approved permanent and temporary under Section 23 of the Land Drainage Act 1991 must be obtained from the Authority. You are therefore advised to contact the Development Management Engineer, Mr Justin Griffiths at The Quays, Brunel Way, Baglan Energy Park, Neath, SA11 2GG (Tel.No.01639 686397 e-mail j.griffiths4@npt.gov.uk). Please note such consents can take up to 8 weeks to be processed after registration and early application is advised.

Notwithstanding the necessary consent required under section 23 of the Land Drainage Act 1991. The applicant must note that any culverts/ditches/open watercourses that conveys water through their land are to remain free from obstruction at all times. All tributary watercourses (culverted or not) located within the applicants land would be riparian responsibilities whereby the responsibility to sustain the flow of watercourse would remain with the land owner and subsequently passed on to the respective landowners thereafter should the land be sold. For further information on riparian responsibilities please contact Mr Justin W. Griffiths SAB & Highway Development Control Manager (Tel: 01639 686397 or email j.griffiths4@npt.gov.uk), alternatively you could access the riparian booklet online using the following web-link <https://www.npt.gov.uk/2867>

These above observations are provide without prejudice and are based upon the information submitted at the preliminary stage. However, should further amendments or any additional information be submitted thereafter, our observations may change to reflect these amendments and/or additional details.

SIGNED:  DATE: 2/09/2022
pp HEAD OF ENGINEERING & TRANSPORT

PAC Ref: N422000900 - Y BRYN WIND FARM

Megan Griffiths

From: Trevor Hunter <[REDACTED]>
Sent: 08 September 2022 15:50
To: Ffion Edwards; Lucy Freeman; Rafe Osborne; Graeme Garner
Subject: Fwd: Y Bryn wind farm - informal pre-application consultation on draft assessments
Attachments: image001.jpg; image002.jpg; image003.jpg; image004.jpg; image005.jpg; Y Bryn Wind Farm - Pre-PAC August 2022.pdf

FYI - NPT ecologist comments

Trevor Hunter
Development Manager
Coriolis Energy
[REDACTED]

Begin forwarded message:

From: Matthew Griffiths <[REDACTED]>
Date: 8 September 2022 at 14:25:10 BST
To: Trevor Hunter <[REDACTED]>
Subject: FW: Y Bryn wind farm - informal pre-application consultation on draft assessments

Dear Trevor,

Our ecologists response for this application. I'll pull together any other points and get back to you shortly – as discussed might be next week, but unlikely that there will be many more substantive points than you are already aware of.

Matthew Griffiths

Senior Planner – Uwch Cynllunydd
Neath Port Talbot County Borough Council/ Cyngor Bwrdeistref Sirol Castell-nedd Port Talbot Tel/Ffôn:
[REDACTED]

Email / E-bost: [REDACTED]

Croesewir gohebiaeth yn y Gymraeg a byddwn yn ymdrin â gohebiaeth Gymraeg a Saesneg i'r un safonau ac amserlenni
We welcome correspondence in Welsh and will deal with Welsh and English correspondence to the same standards and timescales.

If you would like to use Welsh when dealing with the Council please click [here](#)
Os hoffech ddefnyddio'r Gymraeg wrth ddellio â'r Cyngor os gwelwch yn dda cliciwch [yma](#)

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A3.3.60 NPTCBC PRE CONSULTATION BIODIVERSITY COMMENTS ON ES – SEPTEMBER 2022



INTERNAL MEMORANDUM
08/09/2022

Y Bryn Pre-PAC August 2022
BIODIVERSITY COMMENTS

In reference to the above consultation an Officer of the Biodiversity Unit has reviewed the application submitted with the following comments and recommendations.

The Countryside and Wildlife Team, in responding to the above application, provides the following substantive response:

No comment	☐
No objection (subject to any specified conditions below)	☐
Concerns have been identified (see below for how those concerns can be addressed by the applicant)	☒
Objection – on the grounds set out below	☐

Comments and recommendations:

Surveys and other requirements needed prior to determination of a full application:

Prior to determination of a full application the following information is required to be submitted to inform the decision:

Pre-PAC comment	
1	Woodland SINC have been left out although we believe that they are not going to be impacted reference should be made to them for completeness.
2	Breeding bird surveys 2021 – we are unable to find the territory mapping for the general site, just the AIL bits. Can this please be provided?
3	Winter birds – without a complete survey you need to consider how wintering birds that could be on site are treated, including but not exclusively, Golden plover, Hen harrier, wintering owls, Great grey shrike, Crossbill.
4	Invertebrates – need to consider a wider range of species, not just butterflies. Without a specific survey we require details of all S7 (or higher) species that could be found in the habitats on site (South Wales based) and how these will be protected.
5	A detailed description of bird habitat/breeding territories lost/gained is required.
6	A detailed description of S7 habitats lost/gained is required, in Ha not in percentages.
7	More information is required detailing how the provision of broadleaved woodland proposed fits in with what NRW are already committed to in their Forest Design Plans.

• Note

While the proportionality principle is acceptable for a standard Environmental Statement, as a Local Planning Authority, we are required, by law, to ensure that biodiversity is enhanced, particularly in relation to Section 7 habitats and species (Environment (Wales) Act 2016). We are also required to provide, protect and restore habitats for wild birds (Habitat Regs 2017 (as amended))

The Authority must seek to maintain and enhance biodiversity in the exercise of functions in relation to Wales, and in so doing promote the resilience of ecosystems, so far as consistent with the proper exercise of those functions, under the Environment (Wales) Act 2016. It is therefore essential that the above recommendations for the conservation of biodiversity be followed to ensure that the Planning Authority complies with this statutory requirement along with the adopted guidance in the Biodiversity supplementary planning guidance and TAN 5 (2009).

If you require further clarification of any of the above points please contact Laura Palmer.

Laura Palmer MCIEEM
Senior Ecologist

A3.3.61 NPTCBC PRE CONSULTATION COMMENTS ON Y BRYN ES – SEPTEMBER 2022



Date Dyddiad 06/09/2022
Direct line Rhif ffôn 016396867269
Email Ebost planning@npt.gov.uk

Contact Cyswllt Matthew Griffiths
Our ref Ein cyf Y Bryn Pre-application

Trevor Hunter
Coriolis Energy

BY EMAIL ONLY
trevor.hunter@coriolis-energy.com

Dear Madam,

Project Name: Y Bryn Wind Farm
Site Address: Land at Bryn and Penhydd forest, located between Port Talbot and Maesteg
Proposed Development: Wind farm of up to 21 turbines, transformer housing, battery storage, permanent anemometry masts, access tracks, crane pads and borrow pits.

I write in regards to the above project and the submission of information prior to the undertaking of pre-application consultation on the application.

The information submitted consisted of the following draft chapters of the Environmental Statement:
Chapter 1: Introduction
Chapter 2: Legal and Policy Context
Chapter 3: Approach to EIA
Chapter 4: Site Selection and Design Evolution
Chapter 5: Project Description
Chapter 6: Ecology Assessment
Chapter 7: Ornithology Assessment
Chapter 10: Hydrology, Geology and Hydrogeological Assessment
Chapter 11: Traffic and Transport
Chapter 13: Forestry Assessment
Chapter 14: Health and Public Safety
Chapter 15: Aviation and Existing Infrastructure
Chapter 16: Socio-economics
Together with supporting appendices and figures to these chapters.

We have not been provided with the following chapters identified in the text:
Chapter 8: Seascape, Landscape and Visual Impact
Chapter 9: Cultural Heritage
Chapter 17: Residual Effects, Mitigation and Enhancement

Environment Ceri Morris of Planning and Public Protection The Quays, Brunel Way, Baglan Energy Park, Neath SA11 2GG Tel 01639 686868	Yr Amgylchedd Ceri Morris Pennaeth Cynllunio a Gwarchod y Cyhoedd Y Ceiau, Ffordd Brunel, Parc Ynni Baglan, Castell-nedd SA11 2GG Ffôn 01639 686868
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We welcome correspondence in Welsh and will deal with Welsh and English correspondence to the same standards and timescales.
Croesewir gohebiaeth yn y Gymraeg a byddwn yn ymdrin â gohebiaeth Gymraeg a Saesneg i'r un safonau ac amserlenni.
www.npt.gov.uk

The Authority has also received Chapter 12: Noise as a recent submission. This has been referred to the Authority's noise consultant and a response will be provided separately.

This response provides our response to each of the chapters in turn.

Chapter 1: Introduction

This chapter demonstrates that the Environmental Statement has been prepared by competent experts in the various areas covered by the statement. The Authority has no observations to make.

Chapter 2: Legal and Policy Context

This chapter appears to appropriately set out the legal and policy context in relation to the planning framework and also in relation to climate change and energy.

The Pre-Assessed Areas (PAAs) for wind energy development are noted at paragraph 2.3.14 within the discussion of Future Wales. The extent of the site against the PAA boundary is shown in figure 4.1. The development is made up of two distinct areas a northern and southern area. The southern area has the majority of the development and is outside of the PAA with only six of the twenty-one WTGs within the PAA and the majority of the land outside the PAA. The scheme does not therefore appear to benefit from the presumption in favour of large-scale on-shore wind energy development and associated landscape change that is the basis for Policy 17 of Future Wales. What this means for the consideration of landscape effects within the Environmental Statement should be made clearer.

For clarity we do accept that Policy 17 and 18 provide the framework for decision making in Future Wales and also the positive policy framework remains outside of the PAAs. We also anticipate that the applicant's view on the policy position will be made clearer in a supporting planning statement to the application.

The Authority has no further observations to make on this chapter.

Chapter 3: Approach to EIA

The Authority at EIA Scoping has previously stated that:

"While in general we have no objection to the principles expressed in relation to the Mitigation, and monitoring, particularly given that this development would be the first on shore windfarm with turbines of this height. However in light of the untested nature of not only on shore turbines of this height, but the proposed number over a wide area and in close proximity to well established settlement areas, it is suggested that such a clear division of significant and non-significant effects may not be possible. For this reason it is suggested that the developers give serious consideration to the application of a more adaptive approach to monitoring and mitigation for the project, as well as the more traditional clear cut significant and non-significant effect approach as identified within the Scoping Report. Such an adaptive approach would allow areas/issues where the full potential effect of 250m high turbines located within development valley areas could be monitored and where necessary additional mitigation implemented to offset unpredicted impacts of the development, over the predicted 50 year life time of the project.

Further comments in relation to this question are contained within the White Consulting Document attached as appendix 1."

We have also previously commented during scoping that:

"It is also a little unclear where the Cumulative Impacts would be assessed within the ES. The developer within para. 5.5 states that Cumulative Impacts will be assessed within the ES and states that each discipline notes the scope of cumulative assessment within the submitted Scoping Report. However, it is suggested that the ES should also bring together any and all identified Cumulative Impacts together within one section of the ES where the sum of these impacts are brought together for assessment and considered as one, rather than left adrift within each chapter of the ES."

The approach to cumulative outlined in paragraph 3.2.17 does not address this concern and we would support including consideration of overall cumulative effects in Chapter 17 as part of the consideration of residual effects and mitigation. As we do not have Chapter 17 to comment on we remain unclear if this is the approach taken and it could be made clear at paragraph 3.2.17.

We note that the scheme has evolved since our previous comments and we note that Chapter 17 of the ES will also provide details of mitigation.

Chapter 4: Site Selection and Design Evolution

No observations to make. This chapter appears to reasonably identify Reasonable Alternatives considered in accordance with Regulation 17(3)(d).

Chapter 5: Project Description

No observations to make, beyond that full details of all aspects of the proposed development should be submitted with any application submitted including full plans and elevations of all structures and building proposed, as well as the identified supporting information.

The potential grid connection has been described in appendix 5 and this responds to the previous request by the Authority at the scoping stage that this is included within the statement.

Details of a fund or the funding of the decommission strategy should be included, providing information on how such a fund would be provided, secured and ensuring that it is available should it be required prior the end of the project's predicted life expectancy of year 50.

Chapter 6: Ecology

Chapter 7: Ornithology Assessment

We note the responses to our previous comments on the application in Tables 6.1 and 7.5 and that issues raised are addressed. The chapters have been referred to our planning ecologist and their response is enclosed with this letter and raises some further issues that should be addressed.

Chapter 10: Hydrology, Geology and Hydrogeological Assessment

The Authority has previously raised issues around the impact of the proposal on deep peat, which are summarised and responded to in Table 10.5, with a response given by the applicant. This response is noted and the chapter was referred to the Planning Ecologist, the Authority does not have further comments. The chapter was referred to the drainage officers within the Authority and their comments are enclosed with the highway response.

The Authority has no further comments.

Chapter 11: Traffic and Transport

This chapter was referred to the local highways authority and their response to the application is enclosed and raises no objection, but does provide comment on the detail of the submission.

Chapter 13: Forestry Assessment

The Authority has also previously commented at scoping:

- Consideration of current standards and research relating to afforestation on deep peat should also be considered in the assessments along with the aspirations of the Welsh Peatland Action Programme. Current research on felling best practice should also be considered where it relates to trees on deep peat, ensuring that the soils are conserved by felling methods with the aim to facilitate restoration.
- The ecology chapter should also inform the felling proposals, ensuring biodiversity is appropriately protected and mitigated during such works. It is noted that the forestry chapter suggests that the ecology chapters will assess the effects of the forest felling and restocking, this is welcomed, however this doesn't appear to be reflected in the Ecology chapter.

A response has been provided in table 13.1 to these comments. However, we note the comments of the Planning Ecologist on the need for more detail on how the provision of broadleaved woodland proposed fits in with what NRW are already committed to in their Forest Design Plans.

Chapter 14: Health and Public Safety

The Authority has previously raised impacts on the users of public rights of way; the potential for coalmining risk; and the impact on an Air Quality Management Area on the M4. A coalmining risk assessment and air quality assessment have been undertaken and provide additional information on these issues.

Chapter 15: Aviation and Existing Infrastructure

We outlined the Authority's position on buffers to public rights of way when responding to the scoping request. The consultation was referred to the Public Rights of Way Officer who has advised that they are in an on going dialog regarding the scheme and had nothing specific to raise. In relation to aviation and other infrastructure impacts we note notes that relevant consultees have been contacted and their initial responses have been considered in the content of this chapter. We therefore have no comments on this chapter.

Chapter 16: Socio-economics

The Authority has previously expressed its view, within the response to scoping, that there is a need to assess the impact of the scheme on tourism assets. Our response identified a number of tourism developments in the local area which may potentially be impacted by the scheme such as the Afan Adventure Park and the Rheola House Projects, as well as the Council's own initiatives based around Margam Country Park, Afan Forest Park and Glyncoirwg Mountain Bile Centre, and the Aberavon Seafront. In our previous response we noted: "It is difficult to see how the proposed development would have a beneficial impact upon this industry and it is essential that any and all potential negative impacts upon the socio-economic environment including tourism must be fully and comprehensively assessed, monitored and where possible systematically mitigated." Our view remains that the tourism section of the assessment is too focused on the general situation of wind farms and tourism and in our view it should be expanded to consider the actual tourism assets that are potentially affected by the proposal and the potential for impacts from the development.

It is noted that the Chapter cross references to Chapter 8: Seascape, Landscape and Visual Impact and Chapter 9: Cultural Heritage. We do agree that their conclusions on visual and landscape impacts and heritage impacts to tourism assets as receptors is important, but these chapters have not been provided as part of the consultation.

I hope the above comments are useful in taking forward the project and please do not hesitate to contact if you have further queries or require clarification.

Yours sincerely



Matthew Griffiths
Senior Planning Officer
Neath Port Talbot Council

NP PRE CONSULTATION WITH BCBC ON DRAFT ASSESSMENTS -SEPTEMBER 2022

Megan Griffiths

From: Trevor Hunter <[REDACTED]>
Sent: 29 September 2022 14:02
To: Ffion Edwards; Rafe Osborne; Lucy Freeman
Subject: FW: Y Bryn wind farm - informal pre-application consultation on draft assessments

FYI

From: Lee Evans <[REDACTED]>
Sent: 29 September 2022 13:52
To: Trevor Hunter <[REDACTED]>; Rhodri Davies <[REDACTED]>
Cc: Jess Hartley <[REDACTED]>; Leigh Tuck <[REDACTED]>
Subject: RE: Y Bryn wind farm - informal pre-application consultation on draft assessments

Morning Trevor, thank you for your email.

I've been reading over and reviewing the draft ES again this morning and yes we have received a copy of the comments issued from Matthew Griffiths at Neath Port Talbot (NPT) County Borough Council.

At this stage there is little in addition to the comments raised by NPT that we would like to issue on the submitted, draft ES chapters.

We would just emphasise and fully note the southern aspect of the site (and it is understood the turbine within BCBC) (and as mainly detailed within chapter 2 of the ES) is outside the Pre Assessed Areas of Future Wales (2021) and therefore does not fully benefit from the national planning policy presumption in favour of large scale wind energy development. It is acknowledged that projects outside of PAA's will need to comply with criteria set out in Policy 18 of Future Wales, and whilst the history of the site and previous allocations are noted, we would echo the comments of NPT in respect of the need for a clear justification/outline of the policy position in this respect.

It is also acknowledged that the Bridgend LDP also pre dates Future Wales and PPW (2021) and reference within Policy ENV18 of the BLDP- Renewable Energy Developments is still made to Strategic Search Areas, although the thrust of this policy still remains relevant.

The need for a comprehensive cumulative assessment is also acknowledged and as highlighted by NPTCBC, although it is recognised that Chapter 8 – in respect of Visual Impact has yet to be submitted in draft format.

It is also understood that work on the noise impact/assessment remains ongoing (with NPTCBC).

Where I am particularly keen to have input from specialist consultees at this point is our Highways Section, with Leigh Tuck (who has been tied up with observations on the Foel Trawsant (obs) application) hopefully being able to raise some observations next week on Chapter 11 (which I will endeavour to forward onto you asap) and input from our Ecologist on Chapters 6 & 7 in particular. There is however a real resource issue with our Ecologist/Biodiversity Team at the minute but I will continue to chase, although if nothing is forthcoming at this point, we will again rely on the observations raised by NPTCBC in this respect.

I will forward you any observations received by Leigh (Highways) on receipt.

Kind Regards

Lee

(Mr.) Lee Evans
Uwch Swyddog Cynllunio |Senior Planning Officer
Gyfarwyddiaeth Cymunedau |
Communities Directorate
Cyngor Bwrdeistref Sirol Pen-y-Bont ar Ogwr |
Bridgend County Borough Council
Swyddfeydd Dinesig | Civic Offices
Stryd-y-Angel | Angel Street
Pen-y-Bont | Bridgend
CF31 4WB

Rhif ffôn | Phone: [REDACTED]

E-bost | E-mail:

Gwefan | Website:
www.bridgend.gov.uk

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Nid yw cynnwys yr ebost yma yn ymrwngio Cyngor Bwrdeistref Sirol Pen-y-Bont ar Ogwr tuag at unnrhyw benderfyniad yn y dyfodol ynglun a cheisiadau a materion cynllunio / This email cannot and does not make or imply any commitment on behalf of Bridgend County Borough Council to a particular decision on any future application for planning permission or any other planning matter.



Rydym yn croesawu gohebiaeth yn Gymraeg. Rhowch wybod i ni os mai Cymraeg yw eich dewis iaith. We welcome correspondence in Welsh. Please let us know if your language choice is Welsh.

From: Trevor Hunter <[REDACTED]>
Sent: 28 September 2022 16:16
To: Lee Evans <[REDACTED]>; Rhodri Davies <[REDACTED]>
Cc: Jess Hartley <[REDACTED]>
Subject: RE: Y Bryn wind farm - informal pre-application consultation on draft assessments

Hi Lee,

Can I ask where you guys are with any response on the informal consultation? Have you seen/discussed NPTCBC's with them?

Cheers
T

From: Lee Evans <[REDACTED]>
Sent: 12 September 2022 11:08
To: Trevor Hunter <[REDACTED]>; Rhodri Davies <[REDACTED]>
Cc: Jess Hartley <[REDACTED]>
Subject: RE: Y Bryn wind farm - informal pre-application consultation on draft assessments

Thanks Trevor,

I'll drop Matthew Griffiths a line, to receive copies of their responses direct in the first instance.

I'm also in a meeting with Steve tomorrow and will confirm if he is staying involved from there.

Many thanks,

Lee.

From: Trevor Hunter <[REDACTED]>
Sent: 12 September 2022 10:43
To: Lee Evans <[REDACTED]>; Rhodri Davies <[REDACTED]>
Cc: Jess Hartley <[REDACTED]>
Subject: RE: Y Bryn wind farm - informal pre-application consultation on draft assessments

Morning Lee,

Sorry to hear that – there defo seems to be another wave going around right now, some ESB colleagues afflicted.

To receive (and discuss) the NPTCBC responses, could I ask for you to contact Matthew Griffiths m.griffiths5@npt.gov.uk direct? He seemed happy in principle to be sharing resource/expertise between you both, but probs best if you're getting info first-hand from him. I've had transport and ecology/ornithology from him last week, understand the rest is just being packaged up ready to send through today.

Could I check as well – is your new recruit, Steven Jenkins, going to remain involved? If so then what would be his role/email address, just for my records?

Best

Trevor

From: Lee Evans <[REDACTED]>
Sent: 12 September 2022 08:56
To: Trevor Hunter <[REDACTED]>; Rhodri Davies <[REDACTED]>
Cc: Jess Hartley <[REDACTED]>
Subject: RE: Y Bryn wind farm - informal pre-application consultation on draft assessments

Hi Trevor,

Apologies I've been away for nearly a fortnight with Covid unfortunately and returned to work towards the end of last week. If we could be forwarded the response(s) from NPTCBC in due course that would greatly be appreciated and I will liaise with Rhodri and others from there on a timescale for our response accordingly.

Kind Regards

Lee

(Mr.) Lee Evans
Uwch Swydddog Cynllunio | Senior Planning Officer
Gyfarwyddiaeth Cymunedau |
Communities Directorate
Cyngor Bwrdeistref Sirol Pen-y-Bont ar Ogwr |
Bridgend County Borough Council
Swyddfeydd Dinesig | Civic Offices
Stryd-y-Angel | Angel Street
Pen-y-Bont | Bridgend
CF31 4WB

Rhif ffôn | Phone: [REDACTED]
E-bost | E-mail: [REDACTED]
Gwefan | Website: www.bridgend.gov.uk

Rydym yn croesawu gohebiaeth yn y Gymraeg. Rhowch wybod i ni os yw eich dewis iaith yw'r Gymraeg. We welcome correspondence in Welsh. Please let us know if your language choice is Welsh.

Nid yw cynnwys yr ebost yma yn ymrwngio Cyngor Bwrdeistref Sirol Pen-y-Bont ar Ogwr tuag at unnrhyw benderfyniad yn y dyfodol ynglun a cheisiadau a materion cynllunio / This email cannot and does not make or imply any commitment on behalf of Bridgend County Borough Council to a particular decision on any future application for planning permission or any other planning matter.



Rydym yn croesawu gohebiaeth yn Gymraeg. Rhowch wybod i ni os mai Cymraeg yw eich dewis iaith.
We welcome correspondence in Welsh. Please let us know if your language choice is Welsh.

From: Trevor Hunter <[REDACTED]>
Sent: 09 September 2022 16:07
To: Lee Evans <[REDACTED]>; Rhodri Davies <[REDACTED]>
Cc: Jess Hartley <[REDACTED]>
Subject: RE: Y Bryn wind farm - informal pre-application consultation on draft assessments

Hi Rhodri, Lee, Jess,

It's 4 weeks since we provided the draft documents at the link (although note that Noise has only just this week been provided to Dick), in line with the PPA.

Could I ask where you are at with reviewing/ being able to provide comments?

We're expecting comments back from NPTCBC today/Monday (speaking with Matthew Griffiths – we've already had for some topics) – if you would be struggling with resource then I wonder if you might wish to liaise with Matthew and team there to see if you would agree with their comments?

Happy to catch up on Monday to discuss in more detail.

Best
Trevor

From: Trevor Hunter
Sent: 16 August 2022 11:58

5

To: Lee Evans <[REDACTED]>; Matthew Griffiths <[REDACTED]>; Rhodri Davies <[REDACTED]>
Cc: Jess Hartley <[REDACTED]>
Subject: RE: Y Bryn wind farm - informal pre-application consultation on draft assessments

Thanks Lee,

Will pass this on to Natural Power. You should receive an invitation and/or hyperlink, best to check your junk folders just in case.

Just to note: we haven't yet got a full draft LVIA to share, hence no Whites; we should have a draft noise assessment very shortly, and I know that our consultant Malcolm Hayes was going to be making contact with Dick to discuss this in coming weeks.

From: Lee Evans <[REDACTED]>
Sent: 16 August 2022 11:55
To: Trevor Hunter <[REDACTED]>; Matthew Griffiths <[REDACTED]>; Rhodri Davies <[REDACTED]>
Cc: Jess Hartley <[REDACTED]>
Subject: RE: Y Bryn wind farm - informal pre-application consultation on draft assessments

Hi Trevor,

Apologies for the delay in responding - myself and Rhodri have had a few days off.

Please can access be given to [REDACTED] (Emma Aston) our Public Protection Officer, Jess Hartley - [REDACTED] (Our Ecologist) and Simon White (Landscape Specialist) and Dick Bowdler (Noise Specialist) – although NPT may have already made contact with these two external specialists, advising on the submission/draft assessments.

Many thanks

Lee Evans - Senior Planning Officer
BCBC

From: Trevor Hunter <[REDACTED]>
Sent: 10 August 2022 13:20
To: Matthew Griffiths <[REDACTED]>; Rhodri Davies <[REDACTED]>; Lee Evans <[REDACTED]>
Subject: RE: Y Bryn wind farm - informal pre-application consultation on draft assessments

Hello again,

Just to confirm that everybody on the list below should now have received an invitation with access to a ShareFile site to view currently available draft chapters.

NPTCBC

- Matthew Griffiths <[REDACTED]>
- Chris Davies <[REDACTED]>
- Nicola Lake <[REDACTED]>
- Laura Palmer <[REDACTED]>

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- Leah Morgan [REDACTED]
- Justin Griffiths [REDACTED]
- Jon Griffiths [REDACTED]

BCBC

- Rhodri Davies [REDACTED]
- Lee Evans [REDACTED]
- Helen Williams [REDACTED]
- Leigh Tuck [REDACTED]
- Andrew Mason [REDACTED]

I know Steven Jenkins has now transferred from NPTCBC to BCBC – if he’s going to remain involved in the application, then Rhodri/Lee please could you let me know his new email address so I can get him added as well?

Matthew did mention that it’s possible NPTCBC’s (possibly also BCBC’s) IT might not allow access to an FTP site – although hopefully, since both NRW and ESB (who have the same general issue) are able to use ShareFile then you might be ok. If you do have issues that your IT people can’t workaround for you then please let me know.

We’re hoping to have responses back from you in line with the PPA, which would take us up to **Friday 9th September**. Our plan thereafter is to be able to submit formal PAC before end of November, including another landowner consultation with NRW in October, so it would be greatly appreciated if you could stick to this timing. If this is going to be an issue in terms of reviewing and commenting on whole ES chapters, then it might be that we can hold a couple of a Teams call to run through individual assessments a bit more efficiently.

Any questions or interim comments at all then please do not hesitate to get in touch with me.

Best regards,

Trevor Hunter
Project Manager
Coriolis Energy

Mobile: [REDACTED]
Office: [REDACTED]
Email: [REDACTED]
Website: www.coriolis-energy.com
Address: 22-24 King Street, Maidenhead, Berkshire SL6 1EF

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From: Trevor Hunter
Sent: 03 August 2022 18:31
To: Steven Jenkins <[REDACTED]>; Matthew Griffiths <[REDACTED]>; [REDACTED]
Subject: Y Bryn wind farm - informal pre-application consultation on draft assessments

Hi everybody,

In accordance with the PPA, we’re looking to do consultations with you on draft submissions. The period envisaged under the PPA is 28 days.

We’re setting up a ‘ShareFile’ site to upload documents to. Could I confirm that all of the relevant Team and Contact Details are still as per the table across pages 15 and 16 of the PPA? If there’s anyone else who you think we should copy then please could you let me know before end of the week, when we aim to make the documents available.

Best regards,

Trevor Hunter
Project Manager
Coriolis Energy

Mobile: [REDACTED]
Office: [REDACTED]
Email: [REDACTED]
Website: www.coriolis-energy.com
Address: 22-24 King Street, Maidenhead, Berkshire SL6 1EF

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Mae'r e-bost hwn ac unrhyw atodiadau wedi cael eu sganio.

A3.3.62 NP REQUEST FOR PRE-APPLICATION ADVICE FOR SUDS - BCBC – OCTOBER 2022

Megan Griffiths

From: Joel Fullwood
Sent: 17 October 2022 11:35
To: YBryn Wind Farm Consultation; [REDACTED]
Cc: Rafe Osborne; Ffion Edwards; Trevor Hunter
Subject: RE: Y Bryn Wind Farm request for pre-app advice for SuDS - BCBC

Follow Up Flag: Follow up
Flag Status: Completed

Good Morning,

I'm following up emails sent by my colleague and I 05/10/22 and 14/10/22, could you please confirm you have received our request for Pre-app advice, and send through a reference number we can use to pay for the work to commence. If you have any alternate contact number/email addresses aside from those provided on the application form, including these would also be appreciated.

Thank you very much for your time and I look forward to hearing from you.

Kind regards
Joel

From: YBryn Wind Farm Consultation <YBrynWindFarmConsultation@naturalpower.com>
Sent: 14 October 2022 16:06
To: [REDACTED]
Cc: Rafe Osborne <[REDACTED]>; Ffion Edwards <[REDACTED]>; Trevor Hunter <[REDACTED]>; Joel Fullwood <[REDACTED]>
Subject: RE: Y Bryn Wind Farm request for pre-app advice for SuDS - BCBC

Hi there

I'm following up on my colleague Joel's email 05.10.22. Could you please confirm you've received our request for pre-application SuDS advice, and send through any identifier number we can use to pay for the work to commence. Could you also please send through a phone contact – I've tried ringing 01656 642810 several times, someone is picking up but doesn't seem able to hear me talking.

Look forward to hearing from you

Rafe

From: Joel Fullwood <[REDACTED]>
Sent: 05 October 2022 17:27
To: [REDACTED]
Cc: Rafe Osborne <[REDACTED]>; Ffion Edwards <[REDACTED]>; Trevor Hunter <[REDACTED]>
Subject: Y Bryn Wind Farm request for pre-app advice for SuDS - BCBC

Dear Sir/Madam,

Please see attached the pre-app SAB form and supporting documents for Y Bryn Wind farm in Bridgend County Borough Council.
Y Bryn Wind Farm Reference number - P/21/34/DNS

Please could you provide me with a reference number so my colleague is able to proceed with the payment?

Thank you for your time and we look forward to hearing from you.

Kind regards,
Joel

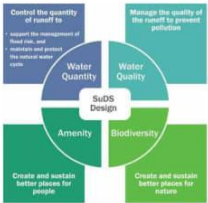
Attachments in the email contained:

1. BCBC - SUDS SCHEME APPLICATION FOR SUDS APPROVING BODY (SAB) APPROVAL – OCTOBER 2022

Pre-App Form FINAL Version 05_11_18



Flood & Water Management Act 2010
Schedule 3 Sustainable Drainage
SuDS Scheme Application for SuDS Approving
Body (SAB) Approval – Wales



[Application Form for Pre-Application Approval of SuDS on new developments with reference to The Sustainable Drainage \(Approval and Adoption Procedure\) \(Wales\) Regulations 2018](#)

Pre-Application Structure	
Pre-Application Form	(To complete & return)
Guidance on Completing the Pre-Application Form – including specific information and evidence required to support the application.	(For guidance)

(Use hyperlinks above to directly access the Form and Guidance)

Pre-Application Form

This form is based on the requirements provided by Welsh Government for the sole purpose of submitting information to the SuDS Approving Body (SAB) in accordance with the legislation detailed on this form and other relevant items of primary and subordinate legislation.

Please be aware that once you have downloaded this form, the SAB and Welsh Government will have no access to the form or the data you enter into it. Subsequent use of this form is solely at your discretion, including the choice to complete and submit it to the SAB in agreement with the declaration section.

Upon receipt of this form and any supporting information, it is the responsibility of the SAB to inform you of its obligations in regard to the processing of your application. Please refer to its website for further information on any legal, regulatory and commercial requirements relating to information security and data protection of the information you have provided.

Please Note:

1. This form is for **Pre-Application** discussions with SAB ONLY;
2. Consideration of this application will be based on compliance with the [Statutory National Standards for Sustainable Drainage Systems \(SuDS\) for Wales](#), and [Statutory Instruments](#);
3. You are advised to engage early, and directly, with the LPA and all other relevant organisations that may have an interest in your SuDS scheme proposal, including the SAB statutory consultees listed below:
 - a. Sewerage undertaker
 - b. National Resources Wales
 - c. Highway Authority
 - d. Canal & River Trust
 - e. Internal Drainage Districts (NRW);
4. **For a valid SuDS Scheme Pre-Application to the SAB, ALL sections of this form MUST be completed;** and
5. You are encouraged to provide an initial response to the further questions contained in the [Guidance](#) on completing this form, and to submit as much initial technical information as possible about your SuDS scheme proposals (also as indicated in the [Guidance](#)); as this will assist the SAB with pre-application considerations and discussions.

We will process the information you provide so that we can deal with your application. We may also process or release the information to offer you documents or services relating to environmental matters and consult the public, public organisation and other organisations; provide information from the public register to anyone who asks or prevent anyone from breaking environmental law, investigate cases where environmental law may have been broken and take any action that is needed, and respond to requests for information under the Freedom of Information Act 2000 and the Environmental Information Regulations 2004 (if the Data

Protection Act allows).

Please ensure that the information you submit is accurate and correct and does not include personal or sensitive information. If you require any further clarification, please contact the SAB directly.

If printed, please complete using block capitals and black ink prior to submitting to the SAB.

Please read through the [Guidance](#) and complete this application form carefully. If you fill in the application form correctly first time, the SAB can process it quicker.

Prior to the submission of a Full Application, applicants are strongly advised to make this Pre-Application submission to discuss their proposals with the SAB and ensure that an acceptable SuDS scheme is submitted later, at the Full Application stage. Please note that pre-application fees may apply.

Submissions made in support of this application shall be based upon current legislation and industry best practice including documents referenced in [Guidance on Making SuDS Applications for SAB Approval](#).

Proposals submitted should be developed by a competent and suitability qualified professional, experienced in drainage/ SuDs / flood risk management design.

Where applicable, the LPA planning reference or unique identifier should be included.

Applicants should complete this form and submit it, together with relevant supporting documents, to Bridgend County Borough Council SuDs Approving Body.

Where applicable, payment of the Pre-Application fee can be made via BACS, Cheque (made payable to Bridgend County Borough Council) or in person at one of our Contact Centres. Your application will not be processed until the application fee is received and cleared in full.

When you have completed the application form please submit the form and associated documents to:

Electronically: SAB@bridgend.gov.uk

Phone: 01656 684210

Postal: Bridgend County Borough Council, Highway Depot, Waterton Lane, Waterton, CF31 3YW

If you are not sure about anything contained in the application form, please contact us.

Content

ALL sections of this form MUST be fully completed unless otherwise stated.

- 1. Applicant Details
- 2. Site Details
- 3. Application
- 4. Environmental Impact Assessment (EIA) Statement
- 5. Compliance with Statutory National Standards for Sustainable Drainage Systems (SuDS)
- 6. Initial Assessment of Flood Risk
- 7. SuDS Scheme Application Checklist
- 8. Declaration



1. Applicant Details

Applicant Name and Address

Title and Name	Mr Trevor Hunter	
Company	Y Bryn Wind Farm Ltd	
Suffix (unit/name/number)		
Address line 1	22-24 King Street	
Address line 2		
Address line 3		
Town	Maidenhead	
County	Berkshire	
Postcode	SL6 1EF	
Phone number	Mobile	
	Works	
	Home	
e-mail address		

Agent Name and Address

Title and Name	Rafe Osborne	
Company	Natural Power Consultants Ltd	
Suffix (unit/name/number)		
Address line 1	Harbour House	
Address line 2	Y Lanfa	
Address line 3		
Town	Abertystwyth	
County	Ceredigion	
Postcode	SY23 1AS	
Phone number	Mobile	
	Works	
	Home	
e-mail address		

Preferred contact	Applicant	Agent ✓
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