

Noise

Noise from an operating wind farm can be generated from the rotation of the blades and, potentially, from internal mechanical movements. Whether the wind farm noise is audible to a nearby resident depends upon many factors, including the distance, the wind speed, the wind direction, and the nature of local background noise sources (e.g. noise from nearby trees blowing in the wind, or noise from local traffic flows).

Our cumulative noise level assessments have concluded that noise limits could be exceeded at four properties in the daytime and two homes at night. However, mitigation which could involve reduced power operating modes for certain turbines can be used to reduce the levels of noise generated to within acceptable limits and therefore, no significant effect is anticipated. Further information on the Noise assessment can be found in the Environmental Statement at Chapter 13.

Sŵn

Gall sŵn o fferm wynt weithredol gael ei gynhyrchu wrth i'r llafnau gylchdroi ac, o bosib, o symudiadau mecanyddol mewnol. Bydd sawl ffactor yn gyfrifol am p'un a all trigolyn gerllaw glywed sŵn y fferm wynt neu beidio, gan gynnwys: y pellter, cyflymder y gwynt, cyfeiriad y gwynt a natur ffynonellau sŵn cefndirol lleol (e.e. sŵn o goed gerllaw yn chwythu yn y gwynt, neu sŵn o lif traffig lleol).

Mae ein hasesiadau lefel sŵn cronus wedi dod i'r casgliad y gellid mynd y tu hwnt i derfynau sŵn mewn pedwar eiddo yn ystod y dydd a dau gartref gyda'r nos. Fodd bynnag, gellir defnyddio mesurau lliniaru a allai olygu moddau gweithredu pŵer gostyngol ar gyfer rhai tyrbinau i leihau'r lefelau sŵn a gynhyrchir i derfynau derbynol ac felly ni rhagwelir unrhyw effaith sylweddol. Ceir rhagor o wybodaeth am yr asesiad sŵn yn y Datganiad Amgylcheddol ym Mhennod 13.



View from Old Pant Road, Panside



View from Twmbarlwm Iron Age Fort

Landscape and Visual Impact

We appreciate that for many local residents, the appearance of the scheme is a key consideration. To assess the impact of the proposed wind farm on the local area, a Landscape and Visual Impact Assessment (LVIA) has been undertaken. We have developed photomontages at 24 agreed viewpoints with the Local Authority and NRW to show what the site may look like from these positions.

An assessment has been undertaken to determine the potential effect of the project on these viewpoints and on the landscape designations within 10km of the site. Additionally, recreational and residential receptors including Public Rights of Way, residential properties and settlements were assessed and it was found that the effect of the project on a number of these receptors would be significant. However, relevant embedded measures are included as part of the project to mitigate these effects as much as possible.

A cumulative assessment of how the scheme fits into the operational wind farm landscape as well as in the context of proposed wind farms at both planning and scoping was undertaken. This assessment focused on those receptors which would not experience significant effects as a result of the project alone. Further plans and viewpoints can be found in the Environmental Statement at Chapter 6.

Tirwedd a'r effaith weledol

Rydym yn sylweddoli bod golwg y cynllun yn ystyriaeth allweddol i lawer o drigolion lleol. Er mwyn asesu effaith y fferm wynt arfaethedig ar yr ardal leol, mae Asesiad o'r Effaith ar y Dirwedd a Gweledol (LVIA) wedi'i gynnal. Rydym wedi datblygu ffotogyfosodiadau mewn 24 o olygfannau y cytunwyd arnynt â'r Awdurdod Lleol a NRW i ddangos sut olwg fydd ar y safle o'r safleoedd hyn er mwyn ein helpu i ddylunio'r cynigion.

Mae asesiad wedi'i wneud i bennu effaith bosibl y prosiect ar y golygfannau hyn ac ar y dynodiadau tirwedd o fewn 10km i'r safle. Yn ogystal, aseswyd derbynyddion hamdden a phreswyl gan gynnwys Hawliau Tramwy Cyhoeddus, eiddo preswyl ac aneddiadau, byddai effaith y prosiect ar nifer o'r derbynyddion hyn yn arwyddocaol. Fodd bynnag, mae mesurau sefydledig perthnasol wedi'u cynnwys fel rhan o'r prosiect i liniaru'r effeithiau hyn cymaint â phosibl.

Cynhaliwyd asesiad cronol o sut mae'r cynllun yn cyd-fynd â thirwedd ffermydd gwynt gweithredol yn ogystal ag yng nghyd-destun ffermydd gwynt arfaethedig o ran cynllunio a chwmpasu. Roedd yr asesiad hwn yn canolbwyntio ar y derbynyddion hynny na fyddent yn profi effeithiau sylweddol o ganlyniad i'r prosiect yn unig. Gellir canfod cynlluniau a golygfannau yn y Datganiad Amgylcheddol ym Mhennod 6.