

## Appendix 2 – Proposed Conditions

### Introduction

This document records the conditions proposed by the Appellant. The following principles have underpinned the Appellant's approach to drafting this set of proposed conditions:

1. We have applied the tests set out in Scottish Government Circular 4/1998: The Use of Conditions in Planning Permissions ("the Circular"). There are six tests which require conditions to be necessary; relevant to planning; relevant to the development to be permitted; enforceable; precise and reasonable in all other respects. The Circular advises that conditions should only be imposed where the six tests are met.
2. We have focussed on brevity and clarity to ensure conditions are precise.
3. We have obeyed the principle that a condition should tell the developer what to do rather than how to do it.
4. We have studiously avoided the use of inclusive requirements (e.g. the scheme shall include ...). An inclusive list does not fully define the scheme and is therefore unhelpful and imprecise. We have taken the approach that unless a condition can be exclusive (i.e. set out everything to be included in the scheme), the scope of the scheme should be defined in the scheme itself. This approach still allows the Planning Authority to retain control of the matters to be addressed as the scheme would require to be approved in writing before the condition could be discharged.
5. We have avoided specifying which bodies the Planning Authority should consult before discharging a condition. This follows our approach of avoiding inclusive requirements. It is for the Planning Authority, acting reasonably, to decide who to consult.
6. We have avoided conditions which would duplicate the requirements of a separate system of control (as indeed advised in the Circular).
7. These conditions are based on those previously proposed by the Appellant in respect of the original Cairnmore Hill Wind Farm application (THC Ref: 20/03883/FUL), subject to review to reflect the development as applied for in respect of this Appeal, the EIAR and consultee comments.

**Schedule 1: Conditions**

	Condition as proposed by the Applicant	Comments by WJM for the Appellant	Comments by The Highland Council
1.	<p><b>Commencement and duration</b></p> <p>(1) The development to which this permission relates must be commenced within five years of the date of this consent.</p> <p>(2) The planning permission hereby granted shall endure for a period of 35 years from the date of Final Commissioning. Written confirmation of the date of the Final Commissioning shall be provided to the Planning Authority no later than one calendar month after that date.</p> <p><i>Reason: to define the period for implementation of the planning permission.</i></p>	<p><i>In order to address S58 of the Town and County Planning (Scotland) Act 1997. A period of five years is merited due to the nature of the proposed development.</i></p>	
2.	<p><b>Appearance of Turbines</b></p> <p>(1) Prior to erection of the first turbine full details of the external colour and finish of the turbines shall have been submitted to and approved in writing by the Planning Authority. The approved details shall be implemented.</p> <p>(2) The height of the turbines shall not exceed 138.5m to tip above ground level.</p> <p>(3) No part of the development shall display any name, logo, sign or other advertisement unless approved in advance in writing by the Planning Authority or if required by law.</p> <p><i>Reason: to ensure that the environmental impacts of the turbines forming part of the Development conform to the impacts of the candidate turbine assessed in the Environmental Impact Assessment Report, and in the interests of the visual amenity of the area.</i></p>		
3.	<p><b>Approved Details</b></p> <p>Prior to construction of the substation compound, full details of the external appearance, dimensions, and surface materials of the substation building(s), associated compounds, any construction compound boundary fencing, external lighting and parking areas shall have been submitted to and approved in writing by the Planning Authority. The approved details shall be implemented.</p> <p><i>Reason: to ensure that the environmental impacts of the substation, associated compounds and associated</i></p>		

	<i>development forming part of the Development conform to the impacts assessment in the Environmental Impact Assessment Report and in the interests of the visual amenity of the area.</i>		
4.	<p><b>Micro-siting</b></p> <p>(1) All wind turbines, buildings, areas of hardstanding and tracks shall be constructed in the location shown in Figure 2.1 of the EIAR. The locations of all wind turbines, buildings, areas of hardstanding and tracks may be adjusted by micro-siting within the site subject to the following restrictions unless otherwise approved in advance in writing by the Planning Authority:</p> <p>(a) Subject to sub-paragraphs (b) and (c), the wind turbines and other infrastructure hereby permitted may be micro-sited within 50 metres;</p> <p>(b) No wind turbine or other infrastructure, may be micro-sited;</p> <p>(i) to less than 50 metres from surface water features identified in the EIAR or from a major watercourse, all as identified in Figure 2.5.1 of the EIAR: or</p> <p>(ii) to less than 25 metres from minor watercourses as identified in Figure 2.5.1 of the EIAR and from water course crossings as identified in Figure 2.5.2 of the EIAR.</p> <p>(c) No turbine shall be micro-sited onto peat deeper than currently shown on Figure 2.4.2 EIAR.</p> <p>(d) All micro-siting permissible under this condition must be approved in advance in writing by the Ecological Clerk of Works ("ECoW").</p> <p>(2) No later than one month after the date of Final Commissioning, an updated site plan shall be submitted to the Planning Authority showing the final position of all wind turbines, areas of hardstanding, tracks and associated infrastructure forming part of the Development. The plan should also specify areas where micro-siting has taken place and, for each instance, be accompanied by copies of the ECoW or Planning Authority's approval, as applicable.</p> <p><i>Reason: to control environmental impacts while taking account of local ground conditions, including existing infrastructure.</i></p>	<p><i>Proposed wording regarding micro-siting near watercourses and peat is addressed in correspondence between SEPA and the Appellant (APP2.8, 2.9 &amp; 4.1).</i></p>	

5.	<p><b>Ecological Clerk of Works</b></p> <p>(1) No Development shall commence until the Planning Authority has approved in writing the terms of appointment of an independent Ecological Clerk of Works (ECoW) and that person has been appointed on the approved terms. The terms of appointment shall require the ECoW to report to the nominated construction project manager any incidences of non-compliance with the works required in terms of Condition 6 at the earliest practical opportunity.</p> <p>(2) The ECoW shall be appointed on the approved terms throughout the period from Commencement of Development, throughout any period of construction activity to the completion of post construction restoration works approved in terms of Condition 5.</p> <p>(3) No later than 18 months prior to decommissioning of the Development or the expiration of this consent (whichever is the earlier), the Company shall submit for the written approval of the Planning Authority the terms of appointment of an independent ECoW throughout the decommissioning of the Development. The ECoW shall be appointed on the terms approved under condition 5(2) throughout the decommissioning, restoration and aftercare phases of the Development.</p> <p><i>Reason: to secure effective monitoring of and compliance with the environmental mitigation and management measures associated with the Development.</i></p>		
6.	<p><b>Construction and Environmental Management Plan</b></p> <p>(1) No development shall commence until a Construction and Environmental Management Plan ("CEMP") has been approved in writing by the Planning Authority.</p> <p>(2) All works shall be carried out in accordance with the Schedule of Mitigation Table 15.1 of the EIAR and the SI unless otherwise approved in writing by the Planning Authority. The CEMP shall include;</p> <p>(a) a site waste management plan (addressing all aspects of waste produced during the construction period other than peat), including details of contingency planning in the event of accidental release of materials which could cause harm to the environment;</p> <p>(b) details of the formation of the construction compound, welfare facilities, any areas of hardstanding, turning areas, internal access tracks, car parking, material stockpiles, oil storage, lighting columns, and any construction compound boundary fencing;</p> <p>(c) a dust management plan;</p> <p>(d) details of measures to be taken to prevent loose or deleterious material being deposited on the local road network including wheel cleaning and lorry sheeting facilities, and measures to clean the site entrances and the adjacent local road network;</p>		

	<p>(e) a pollution prevention and control method statement, including arrangements for the storage of oil and fuel on the site;</p> <p>(f) soil storage and management;</p> <p>(g) a drainage management strategy, demonstrating how all surface and waste water arising during and after development will be managed and prevented from polluting any watercourses or sources;</p> <p>(h) sewage disposal and treatment;</p> <p>(i) temporary site illumination;</p> <p>(j) the construction of the access into the site and the creation and maintenance of associated visibility splays;</p> <p>(k) the method of construction of the crane pads;</p> <p>(l) the method of construction of the turbine foundations;</p> <p>(m) the method of working cable trenches;</p> <p>(n) the method of construction and erection of the wind turbines and anemometry masts;</p> <p>(o) details of watercourse crossings which shall be constructed of oversized bottomless arched culverts or traditional style bridges unless otherwise approved in writing by the Planning Authority;</p> <p>(p) post-construction restoration/ reinstatement of the working areas not required during the operation of the Development, including construction access tracks, construction compound and other construction areas;</p> <p>(q) a Breeding Birds Protection Plan (BBPP);</p> <p>(r) a Species Protection Plan;</p> <p>(s) a programme of archaeological works including details of an archaeological 'watching brief' as detailed in the EIAR and a written scheme of investigation; and</p> <p>(t) an Ecological Management Plan.</p> <p>(3) The CEMP will detail how compliance will be monitored in respect of the ecological, ornithological and hydrological commitments detailed in the EIAR and SI.</p> <p>(4) The CEMP shall be implemented as approved.</p> <p><i>Reason: to ensure that all construction operations are carried out in a manner that minimises their impact on road safety, amenity and the environment, and that the mitigation measures contained in the</i></p>		
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	<i>Environmental Impact Assessment Report accompanying the application, or as otherwise agreed, are fully implemented.</i>		
7.	<p><b>Redundant Turbines</b></p> <p>(1) If one or more turbines fails to generate electricity for a continuous period of 12 months excluding any periods of constraint imposed by the National Grid as a result of which turbines are not operating, then within 3 months of the end of the 12 month period, unless otherwise approved in writing by the Planning Authority, a scheme setting out how the relevant turbine(s) and any specifically associated infrastructure will be removed from the site and the ground restored shall be submitted to the Planning Authority for approval. The scheme shall be implemented as approved.</p> <p><i>Reason: To ensure that any redundant wind turbine is removed from Site, in the interests of safety, amenity and environmental protection.</i></p>		
8.	<p><b>Traffic Management Plan</b></p> <p>(1) No development shall commence until a construction traffic management plan (CTMP) has been submitted to, and approved in writing by, the Planning Authority in consultation with Transport Scotland.</p> <p>(2) The CTMP shall include:</p> <ul style="list-style-type: none"> <li>(a) the traffic management and mitigation measures to be adopted along the access route as shown in Figure 2.15 of the EIAR and details of any upgrading works required to the site access junction;</li> <li>(b) information on the materials, plant, equipment, components and labour required during construction;</li> <li>(c) details of escorts for abnormal loads, access and egress arrangements for abnormal loads, concrete wagons and heavy goods vehicles (including potential out of hours deliveries) and a local signage scheme, the scheduling and timing of abnormal load movements;</li> <li>(d) details of upgrading works that will be undertaken;</li> <li>(e) pre and post construction surveys; and</li> <li>(f) a programme and methodology for any repairs as a consequence of any damage caused by construction traffic.</li> </ul> <p>(3) The CTMP shall include provision for the appointment of a Liaison Officer to be the point of contact for communication with the Planning Authority of traffic management arrangements during the construction of the development,</p> <p>(4) Prior to commencement of deliveries to site the proposed route for any abnormal loads on the local</p>	<p><i>Amendments proposed to address responses from THC Transport officer (11 October 2022) and Transport Scotland (3 October 2022).</i></p>	

	<p>and trunk road networks and any accommodation measures required including the removal of street furniture, junction widening, traffic management must be approved in writing by the trunk roads authority. This shall include the following measures:</p> <ul style="list-style-type: none"> <li>(5) An initial route assessment report for abnormal loads and construction traffic, including swept path analysis and details of the movement of any street furniture, any traffic management measures and any upgrades and mitigations measures as necessary;</li> <li>(6) An assessment of the capacity of existing bridges and other structures along the construction access routes to cater for Abnormal Indivisible Loads, with upgrades and mitigation measures proposed and implemented as necessary;</li> <li>(7) A contingency plan which shall include measures to address any haulage incidents that may result in public roads becoming temporarily closed or restricted; and</li> <li>(8) A detailed delivery programme.</li> <li>(9) During the delivery period of the wind turbine construction materials any additional signing or temporary traffic control measures necessary due to the size or length of any loads being delivered or removed must be undertaken by a traffic management consultant whose appointment shall be approved by Transport Scotland and the Planning Authority before delivery commences.</li> <li>(10) Proposals for the timing of Heavy Goods Vehicles (HGV) movements to and from the site (excluding abnormal loads) shall be submitted to and approved in writing by the Planning Authority before the first of such movements.</li> </ul> <p>The works shall thereafter be carried out in accordance with the approved CTMP.</p> <p><i>Reason: in the interests of road safety and to ensure that abnormal loads access the site in a safe manner and to minimise impacts on residents and local businesses in the area.</i></p>		
9.	<p><b>Construction Hours</b></p> <ul style="list-style-type: none"> <li>(1) Construction work shall only take place on the site between the hours of 07.00 to 19.00 on Monday to Saturday inclusive, with no construction work taking place on a Sunday or on national public holidays or bank holidays (see definitions). Out with these hours the following is permitted: (1) development at the site limited to turbine delivery and erection, commissioning, maintenance and pouring of concrete foundations; and (2) access for security reasons, emergency responses or to undertake any necessary environmental controls provided that the Applicant notifies the planning authority in writing of any such works within 24 hours if prior notification is not possible.</li> </ul> <p><i>Reason: In the interests of local amenity.</i></p>		

**Cairnmore Hill Wind Farm (Re-design) Proposed Conditions (THC Ref: 22/03558/FUL)**

10.	<p><b>Aviation Safety</b></p> <p>(1) Prior to the erection of the first turbine, the Company shall provide the Planning Authority, Ministry of Defence, Defence Geographic Centre and NATS with the following information:</p> <ul style="list-style-type: none"> <li>(a) the date of the commencement of <i>wind turbine generators</i> ;</li> <li>(b) the height above ground level of the tallest structure forming part of the Development;</li> <li>(c) the maximum height of any construction equipment <i>to be used in the erection of the wind turbines</i>;</li> <li>(d) <i>the date any wind turbines are brought into use</i>; and</li> <li>(e) the position of the turbines and masts in latitude and longitude.</li> </ul> <p><i>The Ministry of Defence must be notified of any changes to the information supplied in accordance with these requirements and of the completion of the construction of the development.</i></p> <p><i>Reason: in the interests of aviation safety</i></p>	<p><i>Proposed amendments to align with MODs proposed conditions as per consultee response dated 9 January 2023 (APP2.5).</i></p>	
11.	<p><b>Aviation Lighting- IFP Scheme</b></p> <p>No part of any turbine forming a part of the development, shall be erected unless and until such time as the Scottish Ministers receive confirmation from the operator of Wick Airport in writing that:</p> <ul style="list-style-type: none"> <li>a) an IFP Assessment has demonstrated that an IFP Scheme is not required; or</li> <li>b) an IFP Scheme has been approved by the Airport Operator;</li> <li>c) the Civil Aviation Authority (CAA) has confirmed its approval to the Airport Operator of the IFP Scheme (if such approval is required); and</li> <li>d) the IFP Scheme has been submitted to National Aeronautical Information Services (NATS) for promulgation, via the Aeronautical Information Regulation and Control (AIRAC) Cycle (or any successor publication) (where applicable). The effective date for the AIRAC Cycle, containing the introduction of the IFP Scheme, has passed and the IFP Scheme is available for use by aircraft.</li> </ul> <p><i>Reason: In the interests of aviation safety; to secure mitigation of impacts and ensure the development does not alter traffic patterns or impact the safety of aircraft at Wick Airport.</i></p>	<p><i>Conditions as proposed by HIAL (dated 10 January 2023, APP3.1) in their consultation response.</i></p>	
12.	<p><b>Aviation Lighting- Ministry of Defence</b></p> <p>Prior to commencing construction of any wind turbine generators, or deploying any construction equipment or temporal structure(s) 50 metres or more in height (above ground level) the undertaker must submit an aviation lighting scheme for the approval of the Highland Council in conjunction with the Ministry of Defence</p>	<p><i>Conditions as proposed by the MOD (9 January 2023, APP2.5 &amp; 18 December 2024,</i></p>	



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	<p>defining how the development will be lit throughout its life to maintain civil and military aviation safety requirements as determined necessary for aviation safety by the Ministry of Defence.</p> <p>This should set out:</p> <p>a) details of any construction equipment and temporal structures with a total height of 50 metres or greater (above ground level) that will be deployed during the construction of wind turbine generators and details of any aviation warning lighting that they will be fitted with; and</p> <p>b) the locations and heights of all wind turbine generators and any anemometry mast featured in the development identifying those that will be fitted with aviation warning lighting identifying the position of the lights on the wind turbine generators; the type(s) of lights that will be fitted and the performance specification(s) of the lighting type(s) to be used.</p> <p>Thereafter, the undertaker must exhibit such lights as detailed in the approved aviation lighting scheme. The lighting installed will remain operational for the lifetime of the development.</p> <p><i>Reason: To maintain aviation safety.</i></p>	<p><i>APPP3.3) in their consultation responses.</i></p>	
13.	<p><b>Decommissioning</b></p> <p>(1) Not later than two years before the expiry of this permission, a decommissioning, restoration and aftercare plan shall be submitted to and approved in writing by the Planning Authority in consultation with SEPA. The plan shall include measures for the decommissioning of the Development, restoration and aftercare of the site and will include, without limitation, proposals for the removal of the above ground elements of the Development, the treatment of ground surfaces, the management and timing of the works and environmental management provisions.</p> <p>(2) The Development shall be decommissioned, site restored and aftercare thereafter undertaken in accordance with the plan approved under this condition</p> <p><i>Reason: to ensure the decommissioning and removal of the Development in an appropriate and environmentally acceptable manner and the restoration and aftercare of the site, in the interests of safety, amenity and environmental protection.</i></p>		
14.	<p><b>Bond</b></p> <p>(1) No Development shall commence until details of the financial provisions to be put in place to cover the full cost of decommissioning and site restoration under condition 13 have been submitted to and approved in writing by the Planning Authority and until documentary evidence has been provided that these provisions are in place.</p> <p>(2) The financial guarantee shall thereafter be maintained in favour of the Planning Authority until the Planning Authority has confirmed in writing that the scheme approved under condition 13 has been</p>		

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	<p>completed.</p> <p>(3) The value of the financial guarantee shall be determined by a suitably qualified independent professional as being sufficient to meet the costs, taking into account any salvage value of the development infrastructure, of all decommissioning, restoration and aftercare obligations contained in the decommissioning, restoration and aftercare method statement. The value of the financial guarantee shall be reviewed by a suitably qualified independent professional no less than every five years and increased or decreased to take account of any variation in costs of compliance with restoration and aftercare obligations prevailing at the time of each review.</p> <p><i>Reason: to secure the performance of the obligations of the Company as to decommissioning and removal of the Development, as well as for any aftercare and restoration of the Development by ensuring that suitable financial provision has been made for the performance of those obligations in the event of the Company's default.</i></p>		
15.	<p><b>Outdoor Access Management Plan</b></p> <p>No development shall commence until an Outdoor Access Management Plan ("OAMP") has been submitted to and agreed in writing by the Planning Authority. The OAMP should ensure that public access is retained in the vicinity of Cairnmore Hill Wind Farm during construction, and thereafter that suitable public access is provided during the operational phase of the wind farm. The plan as agreed shall be implemented in full.</p> <p><i>Reason: In the interests of securing public access rights.</i></p>	<p><i>Amendments proposed to reflect details as contained in the EIAR, TA 2.7 (APP1.6) which provides a draft OAMP.</i></p>	
16.	<p><b>Biodiversity Enhancement Management Plan</b></p> <p>(1) No development shall commence until a Biodiversity Enhancement Management Plan ("BEMP") has been submitted to the Planning Authority for its written approval. The BEMP shall be implemented as approved.</p> <p>(2) The BEMP shall follow the approach and principles as set out in the draft BEMP submitted as Supplementary Environmental Information dated October 2023 and shall detail measures to restore and enhance habitats within the site during the period of construction, operation and decommissioning of the development.</p> <p>(3) The BEMP shall provide for regular monitoring, review and updating to be undertaken to consider whether amendments are needed to better meet the BEMP objectives.</p> <p>(4) The BEMP shall be implemented as approved (as may be varied under condition (16)).</p> <p><i>Reason: in the interest of the protection of the habitats and species identified in the EIAR and SEI.</i></p>	<p><i>Amendments proposed to reflect the details as contained in the BEMP, submitted as Supplementary Environmental Information dated October 2023 (APP1.11).</i></p>	

17.	<p><b>Noise</b></p> <p>(1) The level of noise immissions from the combined effects of the wind turbines (including the application of any tonal penalty) when calculated in accordance with the attached Guidance Notes, shall not exceed the values set out in the attached Table A to X (as appropriate). Noise limits for dwellings which lawfully exist or have planning permission for construction at the date of this consent but are not listed in the attached Tables shall be those of the physically closest location listed in the Tables unless otherwise agreed with the Local Planning Authority. The coordinate locations to be used in determining the location of each of the dwellings listed in Tables A to X shall be those listed in Table Y.</p> <p>(2) Within 21 days from the receipt of a written request from the Local Planning Authority and following a complaint to the Local Planning Authority from the occupant of a dwelling which lawfully exists or has planning permission at the date of this consent, the wind farm operator shall, at the wind farm operators expense, employ an independent consultant approved by the Local Planning Authority to assess the level of noise immissions from the wind farm at the complainant's property following the procedures described in the attached Guidance Notes.</p> <p>(3) The wind farm operator shall provide to the Local Planning Authority the independent consultant's assessment and conclusions regarding the said noise complaint, including all calculations, audio recordings and the raw data upon which those assessments and conclusions are based. Such information shall be provided within 2 months of the date of the written request of the Local Planning Authority, with an additional 3 weeks allowed should further investigation pursuant to Guidance Note 4 be required, unless otherwise extended in writing by the Local Planning Authority.</p> <p>(4) Wind speed, wind direction and power generation data shall be continuously logged and provided to the Local Planning Authority at its request and in accordance with the attached Guidance Notes within 14 days of such request. Such data shall be retained for a period of not less than 24 months.</p> <p>(5) No development shall commence until there has been submitted to the Local Planning Authority details of a nominated representative for the development to act as a point of contact for local residents (in connection with conditions parts 1 - 4) together with the arrangements for notifying and approving any subsequent change in the nominated representative. The nominated representative shall have responsibility for liaison with the Local Planning Authority in connection with any noise complaints made during the construction, operation and decommissioning of the wind farm.</p> <p><i>Reason: To protect the amenity of the area.</i></p>	<p><i>The proposed conditions have been prepared by the Appellant. In response to the comments received from the Environmental Health Officer of the Council (dated 6 August 2024, APP3.7), the Appellant has prepared a note explaining the approach that has been taken, responding to these consultation comments (APP4.2).</i></p> <p><i>Such conditions would provide a degree of protection to nearby residents in the event that noise from the wind farm causes disturbance. It is noted that the proposed form of condition wording has been adopted at other developments including Freasdail, Minnygap, Roos , Solwaybank and Wryde Croft.</i></p>	
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## **Guidance Notes for Noise Condition 17**

These notes form part of conditions 1-5. They further explain these conditions and specify the methods to be deployed in the assessment of complaints about noise immissions from the wind farm.

Reference to ETSU-R-97 refers to the publication entitled "The Assessment and Rating of Noise from Wind Farm" (1997) published by the Energy Technology Support unit (ETSU) for the Department of Trade and Industry (DTI).

### **Note 1**

- a) Values of the LA90,10min noise statistic shall be measured at the complainant's property using a sound level meter of EN 60651/BS EN 60804 Type 1, or EN 61672 Class 1 quality (or the replacement thereof) set to measure using a fast time weighted response as specified in BS EN 60651/BS EN 60804 or BS EN 61672-1 (or the equivalent UK adopted standard in force at the time of the measurements). This shall be calibrated in accordance with the procedure specified in BS 4142: 1997 (or the replacement thereof). These measurements shall be made in such a way that the requirements of Note 3 shall also be satisfied.
- b) The microphone should be mounted at 1.2 - 1.5 m above ground level, fitted with a two layer windshield (or suitable alternative approved in writing from the Local Planning Authority), and placed outside the complainant's dwelling. Measurements should be made in "free-field" conditions. To achieve this, the microphone should be placed at least 3.5m away from the building facade or any reflecting surface except the ground at a location agreed with the Local Planning Authority.
- c) The LA90,10min measurements shall be synchronised with measurements of the 10-minute arithmetic mean wind speed and with operational data, including power generation information for each wind turbine, from the turbine control systems of the wind farm.
- d) The wind farm operator shall continuously log arithmetic mean wind speed and arithmetic mean wind direction data in 10 minute periods on the wind farm site to enable compliance with the conditions to be evaluated. The mean wind speed at hub height shall be 'standardised' to a reference height of 10 metres as described in ETSU-R-97 at page 120 using a reference roughness length of 0.05 metres. It is this standardised 10m height wind speed data which is correlated with the noise measurements of Note 2(a) in the manner described in Note 2(c).

### **Note 2**

- a) The noise measurements shall be made so as to provide not less than 20 valid data points as defined in Note 2 paragraph (b). Such measurements shall provide valid data points for the range of wind speeds, wind directions, times of day and power generation requested by the Local Planning Authority. In specifying such conditions the Local Planning Authority shall have regard to those conditions which were most likely to have prevailed during times when the complainant alleges there was disturbance due to noise.
- b) Valid data points are those that remain after all periods during rainfall have been excluded. Rainfall shall be assessed by use of a rain gauge that shall log the occurrence of rainfall in each 10minute period concurrent with the measurement periods set out in Note 1(c) and is situated in the vicinity of the sound level meter.
- c) A least squares, "best fit" curve of a maximum 2nd order polynomial or otherwise as may be agreed with the local planning authority shall be fitted between the standardised mean wind speed (as defined in Note 1 paragraph (d)) plotted against the measured LA90,10min noise levels. The noise level at each integer speed shall be derived from this best-fit curve.

### Note 3

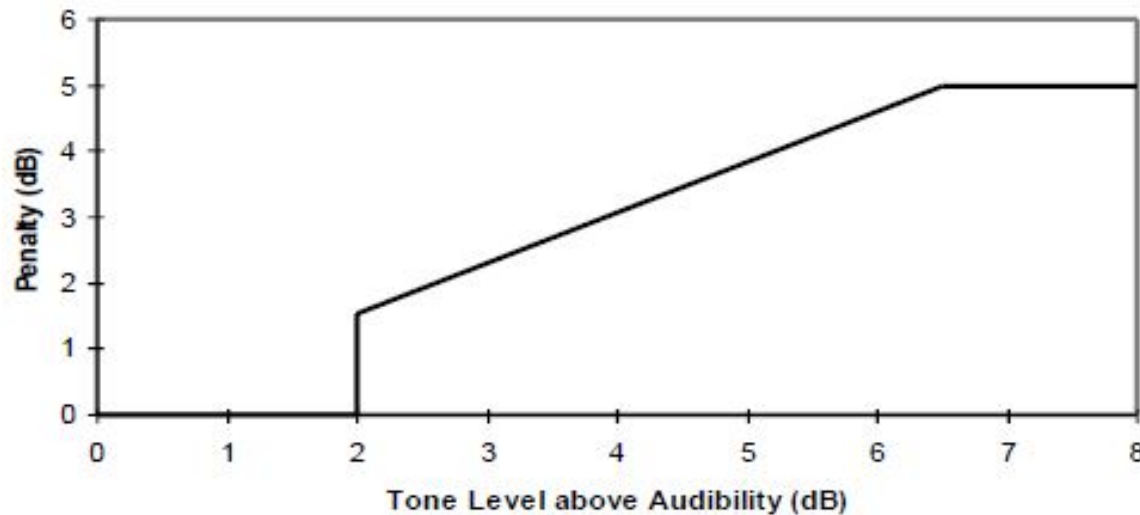
Where, in the opinion of the Local Planning Authority, noise immissions at the location or locations where assessment measurements are being undertaken contain a tonal component, the following rating procedure shall be used.

a) For each 10-minute interval for which LA90,10min data have been obtained as provided for in Notes 1 and 2, a tonal assessment shall be performed on noise immissions during 2-minutes of each 10-minute period. The 2-minute periods shall be regularly spaced at 10-minute intervals provided that uninterrupted clean data are available. Where clean data are not available, the first available uninterrupted clean 2 minute period out of the affected overall 10 minute period shall be selected. Any such deviations from standard procedure, as described in Section 2.1 on pages 104-109 of ETSU-R-97, shall be reported.

b) For each of the 2-minute samples the margin above or below the audibility criterion of the tone level difference,  $\Delta L_{tm}$  (Delta Ltm), shall be calculated by comparison with the audibility criterion, given in Section 2.1 on pages 104-109 of ETSU-R-97.

c) The arithmetic average margin above audibility shall be calculated for each wind speed bin where data is available, each bin being 1 metre per second wide and centred on integer wind speeds. For samples for which the tones were below the audibility criterion or no tone was identified, a value of zero audibility shall be substituted.

d) The tonal penalty shall be derived from the margin above audibility of the tone according to the figure below. The rating level at each wind speed shall be calculated as the arithmetic sum of the wind farm noise level, as determined from the best-fit curve described in Note 2, and the penalty for tonal noise.



**Note 4**

If the wind farm noise level (including the application of any tonal penalty as per Note 3) is above the limit set out in the conditions, measurements of the influence of background noise shall be made to determine whether or not there is a breach of condition. This may be achieved by repeating the steps in Notes 1 & 2 with the wind farm switched off in order to determine the background noise, L3, at the assessed wind speed. The wind farm noise at this wind speed, L1, is then calculated as follows, where L2 is the measured wind farm noise level at the assessed wind speed with turbines running but without the addition of any tonal penalty:

$$L_1 = 10 \log \left[ 10^{L_2/10} - 10^{L_3/10} \right]$$

The wind farm noise level is re-calculated by adding the tonal penalty (if any) to the wind farm noise.

**TABLE OF NOISE LIMITS RELATING TO CONDITION 17**

Table A: The LA90,10min dB Wind Farm Noise Level at Night – 0 Degree Sector												
House ID	Reference Wind Speed, Standardised v10 (ms-1)											
	1	2	3	4	5	6	7	8	9	10	11	12
H5	28.0	28.0	28.0	28.0	28.0	28.3	30.4	30.7	30.7	30.7	30.7	30.7
H6	28.0	28.0	28.0	28.0	28.0	28.1	30.1	30.5	30.5	30.5	30.5	30.5
H7	28.0	28.0	28.0	28.0	28.0	30.4	32.5	32.8	32.8	32.8	32.8	32.8
H11	28.0	28.0	28.0	28.0	28.1	31.8	33.9	34.2	34.2	34.2	34.2	34.2
H12	28.0	28.0	28.0	28.0	29.0	32.7	34.8	35.1	35.1	35.1	35.1	35.1
H13	28.0	28.0	28.0	28.0	28.0	30.1	32.2	32.5	32.5	32.5	32.5	32.5
H24	28.0	28.0	28.0	28.0	31.5	35.2	37.3	37.3	37.1	37.1	37.6	37.6
H25	28.0	28.0	28.0	28.1	32.2	35.9	37.8	37.8	37.8	37.7	38.3	38.3
H30	28.0	28.0	28.0	28.0	30.2	34.0	36.1	36.4	36.4	36.4	36.4	36.4
H34	28.0	28.0	28.0	30.5	34.6	38.3	40.4	40.7	40.7	40.7	40.7	40.7
H39	28.0	28.0	28.0	28.5	32.5	36.3	37.3	37.2	37.0	37.0	38.7	38.7
H48	28.0	28.0	28.0	28.0	29.2	33.0	35.0	35.4	35.4	35.4	35.4	35.4
H49	28.0	28.0	28.0	28.0	28.0	28.6	30.6	31.0	31.0	31.0	31.0	31.0
H52	28.0	28.0	28.0	28.0	28.0	28.6	30.7	31.0	31.0	31.0	31.0	31.0
H57	28.0	28.0	28.0	28.0	28.0	28.0	29.1	29.4	29.4	29.4	29.4	29.4
H68	28.0	28.0	28.0	28.0	28.0	30.4	32.5	32.8	32.8	32.8	32.8	32.8
H69	28.0	28.0	28.0	28.0	28.0	30.7	32.7	33.1	33.1	33.1	33.1	33.1
H72	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
H74	28.0	28.0	28.0	28.0	28.0	28.0	29.6	29.9	29.9	29.9	29.9	29.9
H75	28.0	28.0	28.0	28.0	28.0	30.9	32.9	33.3	33.3	33.3	33.3	33.3
H78	28.0	28.0	28.0	28.0	28.0	30.4	32.4	32.7	32.8	32.8	32.8	32.8
H79	28.0	28.0	28.0	28.0	28.0	29.4	31.5	31.8	31.8	31.8	31.8	31.8
H89	28.0	28.0	28.0	28.0	31.6	35.3	37.4	37.7	37.7	37.7	37.7	37.7

**Cairnmore Hill Wind Farm (Re-design) Proposed Conditions (THC Ref: 22/03558/FUL)**

<b>Table B: The LA90,10min dB Wind Farm Noise Level at Night – 30 Degree Sector</b>												
<b>House ID</b>	<b>Reference Wind Speed, Standardised v10 (ms-1)</b>											
	1	2	3	4	5	6	7	8	9	10	11	12
H5	28.0	28.0	28.0	28.0	28.0	28.3	30.4	30.7	30.7	30.7	30.7	30.7
H6	28.0	28.0	28.0	28.0	28.0	28.1	30.1	30.5	30.5	30.5	30.5	30.5
H7	28.0	28.0	28.0	28.0	28.0	30.4	32.5	32.8	32.8	32.8	32.8	32.8
H11	28.0	28.0	28.0	28.0	28.1	31.8	33.9	34.2	34.2	34.2	34.2	34.2
H12	28.0	28.0	28.0	28.0	29.0	32.7	34.8	35.1	35.1	35.1	35.1	35.1
H13	28.0	28.0	28.0	28.0	28.0	29.8	31.9	32.2	32.2	32.2	32.2	32.2
H24	28.0	28.0	28.0	28.0	31.5	35.2	37.3	37.4	37.2	37.2	37.6	37.6
H25	28.0	28.0	28.0	28.0	31.4	35.1	37.2	37.5	37.5	37.5	37.5	37.5



Table B: The LA90,10min dB Wind Farm Noise Level at Night – 30 Degree Sector												
House ID	Reference Wind Speed, Standardised v10 (ms-1)											
	1	2	3	4	5	6	7	8	9	10	11	12
H30	28.0	28.0	28.0	28.0	29.2	33.0	35.0	35.4	35.4	35.4	35.4	35.4
H34	28.0	28.0	28.0	29.8	33.9	37.6	39.7	40.0	40.0	40.0	40.0	40.0
H39	28.0	28.0	28.0	28.8	32.9	36.6	37.5	37.5	37.3	37.4	39.1	39.1
H48	28.0	28.0	28.0	28.0	30.8	34.6	36.7	37.0	37.0	37.0	37.0	37.0
H49	28.0	28.0	28.0	28.0	28.0	31.7	33.8	34.1	34.2	34.2	34.2	34.2
H52	28.0	28.0	28.0	28.0	28.0	31.7	33.8	34.1	34.1	34.1	34.1	34.1
H57	28.0	28.0	28.0	28.0	28.0	31.5	33.6	33.9	33.9	33.9	33.9	33.9
H68	28.0	28.0	28.0	28.0	29.6	33.4	35.5	35.8	35.8	35.8	35.8	35.8
H69	28.0	28.0	28.0	28.0	29.4	33.2	35.3	35.6	35.6	35.6	35.6	35.6
H72	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
H74	28.0	28.0	28.0	28.0	28.0	30.4	32.5	32.8	32.8	32.8	32.8	32.8
H75	28.0	28.0	28.0	28.0	28.0	30.6	32.7	33.0	33.0	33.0	33.0	33.0
H78	28.0	28.0	28.0	28.0	28.0	30.5	32.5	32.9	32.9	32.9	32.9	32.9
H79	28.0	28.0	28.0	28.0	28.0	30.0	32.1	32.4	32.4	32.4	32.4	32.4
H89	28.0	28.0	28.0	28.0	29.1	32.8	34.9	35.2	35.2	35.2	35.2	35.2

**Cairnmore Hill Wind Farm (Re-design) Proposed Conditions (THC Ref: 22/03558/FUL)**

<b>Table C: The LA90,10min dB Wind Farm Noise Level at Night – 60 Degree Sector</b>												
<b>House ID</b>	<b>Reference Wind Speed, Standardised v10 (ms-1)</b>											
	1	2	3	4	5	6	7	8	9	10	11	12
H5	28.0	28.0	28.0	28.0	28.0	28.3	30.4	30.7	30.7	30.7	30.7	30.7
H6	28.0	28.0	28.0	28.0	28.0	28.0	28.7	29.0	29.0	29.0	29.0	29.0
H7	28.0	28.0	28.0	28.0	28.0	30.4	32.5	32.8	32.8	32.8	32.8	32.8
H11	28.0	28.0	28.0	28.0	28.1	31.8	33.9	34.2	34.2	34.2	34.2	34.2
H12	28.0	28.0	28.0	28.0	29.0	32.7	34.8	35.1	35.1	35.1	35.1	35.1
H13	28.0	28.0	28.0	28.0	28.0	28.0	29.3	29.7	29.7	29.7	29.7	29.7
H24	28.0	28.0	28.0	28.0	31.5	35.2	37.3	37.6	37.6	37.6	37.6	37.6
H25	28.0	28.0	28.0	28.0	29.5	33.3	35.3	35.7	35.7	35.7	35.7	35.7
H30	28.0	28.0	28.0	28.0	28.0	29.7	31.8	32.1	32.1	32.1	32.1	32.1
H34	28.0	28.0	28.0	28.7	32.8	36.5	38.6	38.9	39.0	39.0	39.0	39.0
H39	28.0	28.0	28.0	28.8	32.9	36.6	37.8	37.7	37.7	37.8	39.1	39.1
H48	28.0	28.0	28.0	28.0	30.8	34.6	36.7	37.0	37.0	37.0	37.0	37.0
H49	28.0	28.0	28.0	28.0	28.5	32.3	34.3	34.7	34.7	34.7	34.7	34.7
H52	28.0	28.0	28.0	28.0	28.4	32.2	34.3	34.6	34.6	34.6	34.6	34.6
H57	28.0	28.0	28.0	28.0	28.9	32.7	34.8	35.1	35.1	35.1	35.1	35.1
H68	28.0	28.0	28.0	28.0	31.9	35.7	36.8	36.7	38.1	38.1	38.1	38.1
H69	28.0	28.0	28.0	28.3	32.3	36.1	38.2	38.5	38.5	38.5	38.5	38.5

**Cairnmore Hill Wind Farm (Re-design) Proposed Conditions (THC Ref: 22/03558/FUL)**

<b>Table C: The LA90,10min dB Wind Farm Noise Level at Night – 60 Degree Sector</b>												
<b>House ID</b>	<b>Reference Wind Speed, Standardised v10 (ms-1)</b>											
	1	2	3	4	5	6	7	8	9	10	11	12
H72	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
H74	28.0	28.0	28.0	28.0	30.0	33.8	35.0	35.0	36.2	36.2	36.2	36.2
H75	28.0	28.0	28.0	28.0	28.0	31.2	33.3	33.6	33.6	33.6	33.6	33.6
H78	28.0	28.0	28.0	28.0	28.0	31.5	33.6	33.9	33.9	33.9	33.9	33.9
H79	28.0	28.0	28.0	28.0	28.1	31.9	34.0	34.3	34.3	34.3	34.3	34.3
H89	28.0	28.0	28.0	28.0	28.0	30.0	32.1	32.4	32.4	32.4	32.4	32.4

**Cairnmore Hill Wind Farm (Re-design) Proposed Conditions (THC Ref: 22/03558/FUL)**

<b>Table D: The LA90,10min dB Wind Farm Noise Level at Night – 90 Degree Sector</b>												
<b>House ID</b>	<b>Reference Wind Speed, Standardised v10 (ms-1)</b>											
	1	2	3	4	5	6	7	8	9	10	11	12
H5	28.0	28.0	28.0	28.0	28.0	28.0	28.1	28.4	28.4	28.4	28.4	28.4
H6	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
H7	28.0	28.0	28.0	28.0	28.0	30.4	32.5	32.8	32.8	32.8	32.8	32.8
H11	28.0	28.0	28.0	28.0	28.1	31.8	33.9	34.2	34.2	34.2	34.2	34.2
H12	28.0	28.0	28.0	28.0	29.0	32.7	34.8	35.1	35.1	35.1	35.1	35.1
H13	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
H24	28.0	28.0	28.0	28.0	31.5	35.2	37.3	37.6	37.6	37.6	37.6	37.6
H25	28.0	28.0	28.0	28.0	28.0	29.6	31.6	32.0	32.0	32.0	32.0	32.0
H30	28.0	28.0	28.0	28.0	28.0	28.0	28.1	28.4	28.4	28.4	28.4	28.4
H34	28.0	28.0	28.0	28.0	30.9	34.6	36.7	37.0	37.0	37.0	37.0	37.0
H39	28.0	28.0	28.0	28.8	32.9	36.6	37.7	37.7	37.7	37.8	39.1	39.1
H48	28.0	28.0	28.0	28.0	30.8	34.6	36.7	37.0	37.0	37.0	37.0	37.0
H49	28.0	28.0	28.0	28.0	28.5	32.3	34.3	34.7	34.7	34.7	34.7	34.7
H52	28.0	28.0	28.0	28.0	28.4	32.2	34.3	34.6	34.6	34.6	34.6	34.6
H57	28.0	28.0	28.0	28.0	28.9	32.7	34.8	35.1	35.1	35.1	35.1	35.1
H68	28.0	28.0	28.0	28.7	32.7	36.5	36.8	36.7	38.8	38.9	38.9	38.9
H69	28.0	28.0	28.0	29.0	33.1	36.8	38.9	39.2	39.2	39.2	39.2	39.2
H72	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
H74	28.0	28.0	28.0	28.0	31.5	35.0	35.0	35.0	36.7	37.6	37.6	37.6
H75	28.0	28.0	28.0	28.0	28.9	32.7	34.8	35.1	35.1	35.1	35.1	35.1
H78	28.0	28.0	28.0	28.0	30.0	33.7	35.8	36.1	36.1	36.1	36.1	36.1
H79	28.0	28.0	28.0	28.0	31.1	34.8	36.9	37.2	37.2	37.2	37.2	37.2
H89	28.0	28.0	28.0	28.0	28.0	28.7	30.7	31.1	31.1	31.1	31.1	31.1

**Cairnmore Hill Wind Farm (Re-design) Proposed Conditions (THC Ref: 22/03558/FUL)**

<b>Table E: The LA90,10min dB Wind Farm Noise Level at Night – 120 Degree Sector</b>												
<b>House ID</b>	<b>Reference Wind Speed, Standardised v<sub>10</sub> (ms<sup>-1</sup>)</b>											
	1	2	3	4	5	6	7	8	9	10	11	12
H5	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
H6	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
H7	28.0	28.0	28.0	28.0	28.0	28.0	28.6	28.9	28.9	28.9	28.9	28.9
H11	28.0	28.0	28.0	28.0	28.0	28.0	29.9	30.2	30.3	30.3	30.3	30.3
H12	28.0	28.0	28.0	28.0	28.0	30.9	33.0	33.3	33.3	33.3	33.3	33.3
H13	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
H24	28.0	28.0	28.0	28.0	31.5	35.2	37.3	37.5	37.4	37.5	37.6	37.6
H25	28.0	28.0	28.0	28.0	28.0	28.0	29.5	29.8	29.9	29.9	29.9	29.9
H30	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
H34	28.0	28.0	28.0	28.0	29.8	33.6	35.6	35.9	36.0	36.0	36.0	36.0
H39	28.0	28.0	28.0	28.8	32.9	36.6	37.5	37.4	37.4	37.5	39.1	39.1
H48	28.0	28.0	28.0	28.0	30.8	34.6	36.7	37.0	37.0	37.0	37.0	37.0
H49	28.0	28.0	28.0	28.0	28.5	32.3	34.3	34.7	34.7	34.7	34.7	34.7
H52	28.0	28.0	28.0	28.0	28.4	32.2	34.3	34.6	34.6	34.6	34.6	34.6
H57	28.0	28.0	28.0	28.0	28.9	32.7	34.8	35.1	35.1	35.1	35.1	35.1
H68	28.0	28.0	28.0	28.7	32.7	36.5	36.7	36.5	38.7	38.9	38.9	38.9
H69	28.0	28.0	28.0	29.0	33.1	36.8	38.9	39.2	39.2	39.2	39.2	39.2
H72	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
H74	28.0	28.0	28.0	28.0	31.6	35.0	35.0	35.0	36.7	37.8	37.8	37.8
H75	28.0	28.0	28.0	28.0	31.3	35.1	37.2	37.5	37.5	37.5	37.5	37.5
H78	28.0	28.0	28.0	28.1	32.1	35.9	37.8	37.7	38.3	38.3	38.3	38.3
H79	28.0	28.0	28.0	28.7	32.8	36.5	37.4	37.1	38.9	38.9	38.9	38.9
H89	28.0	28.0	28.0	28.0	28.0	28.6	30.6	31.0	31.0	31.0	31.0	31.0

Table F: The LA90,10min dB Wind Farm Noise Level at Night – 150 Degree Sector												
House ID	Reference Wind Speed, Standardised v10 (ms-1)											
	1	2	3	4	5	6	7	8	9	10	11	12
H5	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
H6	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
H7	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
H11	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
H12	28.0	28.0	28.0	28.0	28.0	28.0	28.4	28.7	28.7	28.7	28.7	28.7
H13	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
H24	28.0	28.0	28.0	28.0	30.0	33.7	35.8	36.1	36.1	36.1	36.1	36.1
H25	28.0	28.0	28.0	28.0	28.0	28.0	29.3	29.6	29.6	29.6	29.6	29.6
H30	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0

Table F: The LA90,10min dB Wind Farm Noise Level at Night – 150 Degree Sector												
House ID	Reference Wind Speed, Standardised v10 (ms-1)											
	1	2	3	4	5	6	7	8	9	10	11	12
H34	28.0	28.0	28.0	28.0	29.8	33.5	35.6	35.9	35.9	35.9	35.9	35.9
H39	28.0	28.0	28.0	28.5	32.5	36.3	36.9	36.6	36.6	36.4	38.7	38.7
H48	28.0	28.0	28.0	28.0	30.8	34.6	36.7	36.6	36.6	36.4	37.0	37.0
H49	28.0	28.0	28.0	28.0	28.5	32.3	34.3	34.7	34.7	34.7	34.7	34.7
H52	28.0	28.0	28.0	28.0	28.4	32.2	34.3	34.6	34.6	34.6	34.6	34.6
H57	28.0	28.0	28.0	28.0	28.9	32.7	34.8	35.1	35.1	35.1	35.1	35.1
H68	28.0	28.0	28.0	28.7	32.7	36.5	36.4	36.2	38.4	38.9	38.9	38.9
H69	28.0	28.0	28.0	29.0	33.1	36.8	38.9	39.2	39.2	39.2	39.2	39.2
H72	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.1	28.1	28.1	28.1	28.1
H74	28.0	28.0	28.0	28.0	31.6	35.0	35.0	35.0	36.7	37.8	37.8	37.8
H75	28.0	28.0	28.0	28.5	32.5	36.3	37.8	37.7	38.7	38.7	38.7	38.7
H78	28.0	28.0	28.0	28.6	32.6	36.4	37.7	37.7	38.8	38.8	38.8	38.8
H79	28.0	28.0	28.0	28.7	32.8	36.5	37.5	37.4	38.9	38.9	38.9	38.9
H89	28.0	28.0	28.0	28.0	28.0	29.7	31.8	32.1	32.1	32.1	32.1	32.1

Table G: The LA90,10min dB Wind Farm Noise Level at Night – 180 Degree Sector												
House ID							Reference Wind Speed, Standardised v10 (ms-1)					
1	2	3	4	5	6	7	8	9	10	11	12	
H5	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
H6	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
H7	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
H11	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
H12	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
H13	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
H24	28.0	28.0	28.0	28.0	28.0	30.9	32.9	33.3	33.3	33.3	33.3	33.3
H25	28.0	28.0	28.0	28.0	28.0	28.9	30.9	31.3	31.3	31.3	31.3	31.3
H30	28.0	28.0	28.0	28.0	28.0	28.0	30.0	30.4	30.4	30.4	30.4	30.4
H34	28.0	28.0	28.0	28.0	31.0	34.8	36.8	37.2	37.2	37.2	37.2	37.2
H39	28.0	28.0	28.0	28.0	30.5	34.3	36.3	36.4	36.3	36.1	36.7	36.7
H48	28.0	28.0	28.0	28.0	29.0	32.8	34.8	35.2	35.2	35.2	35.2	35.2
H49	28.0	28.0	28.0	28.0	28.0	31.5	33.6	33.9	33.9	33.9	33.9	33.9
H52	28.0	28.0	28.0	28.0	28.0	31.4	33.5	33.8	33.8	33.8	33.8	33.8
H57	28.0	28.0	28.0	28.0	28.9	32.7	34.8	35.1	35.1	35.1	35.1	35.1
H68	28.0	28.0	28.0	28.7	32.7	36.5	37.0	36.8	38.8	38.9	38.9	38.9
H69	28.0	28.0	28.0	29.0	33.1	36.8	38.9	39.2	39.2	39.2	39.2	39.2
H72	28.0	28.0	28.0	28.0	28.0	28.9	31.0	31.3	31.3	31.3	31.3	31.3



**Cairnmore Hill Wind Farm (Re-design) Proposed Conditions (THC Ref: 22/03558/FUL)**

<b>Table H: The LA90,10min dB Wind Farm Noise Level at Night – 210 Degree Sector</b>												
<b>House ID</b>	<b>Reference Wind Speed, Standardised v10 (ms-1)</b>											
	1	2	3	4	5	6	7	8	9	10	11	12
H5	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
H6	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
H7	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
H11	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
H12	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
H13	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
H24	28.0	28.0	28.0	28.0	28.0	29.4	31.5	31.8	31.8	31.8	31.8	31.8
H25	28.0	28.0	28.0	28.0	28.7	32.4	34.5	34.8	34.8	34.8	34.8	34.8
H30	28.0	28.0	28.0	28.0	28.0	31.4	33.5	33.8	33.8	33.8	33.8	33.8
H34	28.0	28.0	28.0	28.8	32.8	36.6	38.6	38.9	39.0	39.0	39.0	39.0
H39	28.0	28.0	28.0	28.0	28.4	32.2	34.3	34.6	34.6	34.6	34.6	34.6
H48	28.0	28.0	28.0	28.0	28.0	28.7	30.8	31.1	31.1	31.1	31.1	31.1
H49	28.0	28.0	28.0	28.0	28.0	28.0	30.1	30.4	30.4	30.4	30.4	30.4
H52	28.0	28.0	28.0	28.0	28.0	28.0	29.9	30.2	30.3	30.3	30.3	30.3
H57	28.0	28.0	28.0	28.0	28.0	30.3	32.3	32.7	32.7	32.7	32.7	32.7
H68	28.0	28.0	28.0	28.0	32.1	35.8	36.9	36.8	38.3	38.3	38.3	38.3
H69	28.0	28.0	28.0	28.8	32.9	36.6	38.7	39.0	39.0	39.0	39.0	39.0
H72	28.0	28.0	28.0	28.0	28.0	28.9	31.0	31.3	31.3	31.3	31.3	31.3
H74	28.0	28.0	28.0	28.0	31.4	35.0	35.0	35.0	36.7	37.5	37.5	37.5
H75	28.0	28.0	28.0	28.5	32.5	36.3	37.6	37.5	38.7	38.7	38.7	38.7
H78	28.0	28.0	28.0	28.6	32.6	36.4	37.5	37.4	38.8	38.8	38.8	38.8
H79	28.0	28.0	28.0	28.7	32.8	36.5	37.3	37.1	38.9	38.9	38.9	38.9
H89	28.0	28.0	28.0	28.0	31.6	35.3	37.4	37.7	37.7	37.7	37.7	37.7

**Cairnmore Hill Wind Farm (Re-design) Proposed Conditions (THC Ref: 22/03558/FUL)**

<b>Table I: The LA90,10min dB Wind Farm Noise Level at Night – 240 Degree Sector</b>												
<b>House ID</b>	<b>Reference Wind Speed, Standardised v10 (ms-1)</b>											
	1	2	3	4	5	6	7	8	9	10	11	12
H5	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
H6	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.3	28.3	28.3	28.3	28.3
H7	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
H11	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
H12	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
H13	28.0	28.0	28.0	28.0	28.0	29.1	31.1	31.5	31.5	31.5	31.5	31.5
H24	28.0	28.0	28.0	28.0	28.0	29.0	31.1	31.4	31.5	31.5	31.5	31.5
H25	28.0	28.0	28.0	28.0	31.0	34.8	36.9	37.2	37.2	37.2	37.2	37.2
H30	28.0	28.0	28.0	28.0	29.9	33.7	35.8	36.1	36.1	36.1	36.1	36.1
H34	28.0	28.0	28.0	30.0	34.1	37.8	39.9	40.2	40.2	40.2	40.2	40.2
H39	28.0	28.0	28.0	28.0	28.0	31.2	33.3	33.6	33.6	33.6	33.6	33.6
H48	28.0	28.0	28.0	28.0	28.0	28.0	28.2	28.5	28.5	28.5	28.5	28.5
H49	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
H52	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
H57	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.3	28.3	28.3	28.3	28.3
H68	28.0	28.0	28.0	28.0	30.1	33.9	35.9	36.3	36.3	36.3	36.3	36.3
H69	28.0	28.0	28.0	28.0	30.7	34.4	36.5	36.8	36.8	36.8	36.8	36.8
H72	28.0	28.0	28.0	28.0	28.0	28.9	31.0	31.3	31.3	31.3	31.3	31.3
H74	28.0	28.0	28.0	28.0	29.7	33.5	35.0	35.0	35.9	35.9	35.9	35.9
H75	28.0	28.0	28.0	28.5	32.5	36.3	37.5	37.4	38.7	38.7	38.7	38.7
H78	28.0	28.0	28.0	28.6	32.6	36.4	37.5	37.4	38.8	38.8	38.8	38.8
H79	28.0	28.0	28.0	28.7	32.8	36.5	37.2	37.0	38.9	38.9	38.9	38.9
H89	28.0	28.0	28.0	28.0	32.0	35.8	37.8	37.8	37.7	37.6	38.2	38.2

**Cairnmore Hill Wind Farm (Re-design) Proposed Conditions (THC Ref: 22/03558/FUL)**

<b>Table J: The LA90,10min dB Wind Farm Noise Level at Night – 270 Degree Sector</b>												
<b>House ID</b>	<b>Reference Wind Speed, Standardised v10 (ms-1)</b>											
	1	2	3	4	5	6	7	8	9	10	11	12
H5	28.0	28.0	28.0	28.0	28.0	28.0	29.0	29.3	29.3	29.3	29.3	29.3
H6	28.0	28.0	28.0	28.0	28.0	28.1	30.1	30.5	30.5	30.5	30.5	30.5
H7	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
H11	28.0	28.0	28.0	28.0	28.0	28.0	29.0	29.3	29.3	29.3	29.3	29.3
H12	28.0	28.0	28.0	28.0	28.0	28.0	28.1	28.5	28.5	28.5	28.5	28.5
H13	28.0	28.0	28.0	28.0	28.0	30.1	32.2	32.5	32.5	32.5	32.5	32.5
H24	28.0	28.0	28.0	28.0	28.0	29.5	31.6	31.9	31.9	31.9	31.9	31.9
H25	28.0	28.0	28.0	28.1	32.2	35.9	37.7	37.7	37.6	37.5	38.3	38.3
H30	28.0	28.0	28.0	28.0	30.4	34.2	36.3	36.6	36.6	36.6	36.6	36.6
H34	28.0	28.0	28.0	30.7	34.8	38.5	40.6	40.9	40.9	40.9	40.9	40.9
H39	28.0	28.0	28.0	28.0	28.0	31.1	33.1	33.5	33.5	33.5	33.5	33.5
H48	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
H49	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
H52	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
H57	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
H68	28.0	28.0	28.0	28.0	28.0	30.7	32.8	33.1	33.1	33.1	33.1	33.1
H69	28.0	28.0	28.0	28.0	28.0	31.4	33.5	33.8	33.8	33.8	33.8	33.8
H72	28.0	28.0	28.0	28.0	28.0	28.9	31.0	31.3	31.3	31.3	31.3	31.3
H74	28.0	28.0	28.0	28.0	28.0	30.1	32.1	32.5	32.5	32.5	32.5	32.5
H75	28.0	28.0	28.0	28.5	32.5	36.3	37.4	37.2	38.7	38.7	38.7	38.7
H78	28.0	28.0	28.0	28.2	32.3	36.0	37.3	37.0	38.4	38.4	38.4	38.4
H79	28.0	28.0	28.0	28.0	31.6	35.4	37.1	36.8	37.8	37.8	37.8	37.8
H89	28.0	28.0	28.0	28.0	32.0	35.8	37.8	37.7	37.7	37.6	38.2	38.2

**Cairnmore Hill Wind Farm (Re-design) Proposed Conditions (THC Ref: 22/03558/FUL)**

<b>Table K: The LA90,10min dB Wind Farm Noise Level at Night – 300 Degree Sector</b>												
<b>House ID</b>	Reference Wind Speed, Standardised v10 (ms-1)											
	1	2	3	4	5	6	7	8	9	10	11	12
H5	28.0	28.0	28.0	28.0	28.0	28.3	30.4	30.7	30.7	30.7	30.7	30.7
H6	28.0	28.0	28.0	28.0	28.0	28.1	30.1	30.5	30.5	30.5	30.5	30.5
H7	28.0	28.0	28.0	28.0	28.0	30.0	32.1	32.4	32.4	32.4	32.4	32.4
H11	28.0	28.0	28.0	28.0	28.0	31.5	33.6	33.9	33.9	33.9	33.9	33.9
H12	28.0	28.0	28.0	28.0	28.0	30.6	32.7	33.0	33.0	33.0	33.0	33.0
H13	28.0	28.0	28.0	28.0	28.0	30.1	32.2	32.5	32.5	32.5	32.5	32.5
H24	28.0	28.0	28.0	28.0	28.0	31.1	33.2	33.5	33.5	33.5	33.5	33.5
H25	28.0	28.0	28.0	28.1	32.2	35.9	37.7	37.7	37.6	37.5	38.3	38.3
H30	28.0	28.0	28.0	28.0	30.4	34.2	36.3	36.6	36.6	36.6	36.6	36.6
H34	28.0	28.0	28.0	30.7	34.8	38.5	40.6	40.9	40.9	40.9	40.9	40.9
H39	28.0	28.0	28.0	28.0	28.0	31.8	33.9	34.2	34.2	34.2	34.2	34.2
H48	28.0	28.0	28.0	28.0	28.0	28.0	28.1	28.4	28.4	28.4	28.4	28.4
H49	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
H52	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
H57	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
H68	28.0	28.0	28.0	28.0	28.0	29.2	31.2	31.5	31.6	31.6	31.6	31.6
H69	28.0	28.0	28.0	28.0	28.0	29.9	32.0	32.3	32.3	32.3	32.3	32.3
H72	28.0	28.0	28.0	28.0	28.0	28.9	31.0	31.3	31.3	31.3	31.3	31.3

**Cairnmore Hill Wind Farm (Re-design) Proposed Conditions (THC Ref: 22/03558/FUL)**

<b>Table K: The LA90,10min dB Wind Farm Noise Level at Night – 300 Degree Sector</b>												
House ID	Reference Wind Speed, Standardised v10 (ms-1)											
	1	2	3	4	5	6	7	8	9	10	11	12
H74	28.0	28.0	28.0	28.0	28.0	28.0	29.4	29.7	29.7	29.7	29.7	29.7
H75	28.0	28.0	28.0	28.0	31.2	35.0	37.0	37.2	37.4	37.4	37.4	37.4
H78	28.0	28.0	28.0	28.0	29.9	33.7	35.7	36.1	36.1	36.1	36.1	36.1
H79	28.0	28.0	28.0	28.0	28.2	32.0	34.1	34.4	34.4	34.4	34.4	34.4
H89	28.0	28.0	28.0	28.0	32.0	35.8	37.8	37.7	37.7	37.6	38.2	38.2

**Cairnmore Hill Wind Farm (Re-design) Proposed Conditions (THC Ref: 22/03558/FUL)**

<b>Table L: The LA90,10min dB Wind Farm Noise Level at Night – 330 Degree Sector</b>												
<b>House ID</b>	<b>Reference Wind Speed, Standardised v10 (ms-1)</b>											
	1	2	3	4	5	6	7	8	9	10	11	12
H5	28.0	28.0	28.0	28.0	28.0	28.3	30.4	30.7	30.7	30.7	30.7	30.7
H6	28.0	28.0	28.0	28.0	28.0	28.1	30.1	30.5	30.5	30.5	30.5	30.5
H7	28.0	28.0	28.0	28.0	28.0	30.4	32.5	32.8	32.8	32.8	32.8	32.8
H11	28.0	28.0	28.0	28.0	28.1	31.8	33.9	34.2	34.2	34.2	34.2	34.2
H12	28.0	28.0	28.0	28.0	29.0	32.7	34.8	35.1	35.1	35.1	35.1	35.1
H13	28.0	28.0	28.0	28.0	28.0	30.1	32.2	32.5	32.5	32.5	32.5	32.5
H24	28.0	28.0	28.0	28.0	30.3	34.1	36.2	36.5	36.5	36.5	36.5	36.5
H25	28.0	28.0	28.0	28.1	32.2	35.9	37.7	37.7	37.7	37.6	38.3	38.3
H30	28.0	28.0	28.0	28.0	30.4	34.2	36.3	36.6	36.6	36.6	36.6	36.6
H34	28.0	28.0	28.0	30.7	34.8	38.5	40.6	40.9	40.9	40.9	40.9	40.9
H39	28.0	28.0	28.0	28.0	30.1	33.9	36.0	36.3	36.3	36.3	36.3	36.3
H48	28.0	28.0	28.0	28.0	28.0	28.7	30.8	31.1	31.1	31.1	31.1	31.1
H49	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
H52	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
H57	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
H68	28.0	28.0	28.0	28.0	28.0	29.1	31.1	31.5	31.5	31.5	31.5	31.5
H69	28.0	28.0	28.0	28.0	28.0	29.7	31.8	32.1	32.1	32.1	32.1	32.1
H72	28.0	28.0	28.0	28.0	28.0	28.1	30.2	30.5	30.5	30.5	30.5	30.5
H74	28.0	28.0	28.0	28.0	28.0	28.0	28.6	29.0	29.0	29.0	29.0	29.0
H75	28.0	28.0	28.0	28.0	28.4	32.2	34.3	34.6	34.6	34.6	34.6	34.6
H78	28.0	28.0	28.0	28.0	28.0	31.2	33.3	33.6	33.6	33.6	33.6	33.6
H79	28.0	28.0	28.0	28.0	28.0	29.9	32.0	32.3	32.4	32.4	32.4	32.4
H89	28.0	28.0	28.0	28.0	32.0	35.8	37.8	37.8	37.7	37.7	38.2	38.2

**Cairnmore Hill Wind Farm (Re-design) Proposed Conditions (THC Ref: 22/03558/FUL)**

<b>Table M: The LA90,10min dB Wind Farm Noise Level during the Day – 0 Degree Sector</b>												
<b>House ID</b>	<b>Reference Wind Speed, Standardised v10 (ms-1)</b>											
	1	2	3	4	5	6	7	8	9	10	11	12
H5	25.0	25.0	25.0	25.0	25.0	28.3	30.4	30.7	30.7	30.7	30.7	30.7
H6	25.0	25.0	25.0	25.0	25.0	28.1	30.1	30.5	30.5	30.5	30.5	30.5
H7	25.0	25.0	25.0	25.0	26.6	30.4	32.5	32.8	32.8	32.8	32.8	32.8
H11	25.0	25.0	25.0	25.0	28.1	31.8	33.9	33.4	34.2	34.2	34.2	34.2
H12	25.0	25.0	25.0	25.0	29.0	32.7	33.9	33.4	35.1	35.1	35.1	35.1
H13	25.0	25.0	25.0	25.0	26.4	30.1	32.2	32.5	32.5	32.5	32.5	32.5
H24	25.0	25.0	25.0	27.4	31.5	34.1	33.8	33.4	36.8	37.6	37.6	37.6
H25	25.4	25.4	25.4	28.1	32.2	34.8	34.7	34.6	36.3	38.3	38.3	38.3
H30	25.0	25.0	25.0	26.2	30.2	34.0	34.8	34.7	36.3	36.4	36.4	36.4
H34	27.8	27.8	27.8	30.5	34.6	38.3	40.4	40.7	40.7	40.7	40.7	40.7
H39	25.8	25.8	25.8	28.5	32.5	34.0	33.7	33.3	36.7	38.7	38.7	38.7
H48	25.0	25.0	25.0	25.2	29.2	33.0	33.5	33.0	35.4	35.4	35.4	35.4
H49	25.0	25.0	25.0	25.0	25.0	28.6	30.6	31.0	31.0	31.0	31.0	31.0
H52	25.0	25.0	25.0	25.0	25.0	28.6	30.7	31.0	31.0	31.0	31.0	31.0
H57	25.0	25.0	25.0	25.0	25.0	27.0	29.1	29.4	29.4	29.4	29.4	29.4
H68	25.0	25.0	25.0	25.0	26.6	30.4	32.5	32.8	32.8	32.8	32.8	32.8
H69	25.0	25.0	25.0	25.0	26.9	30.7	32.7	33.1	33.1	33.1	33.1	33.1
H72	25.0	25.0	25.0	25.0	25.0	25.0	25.6	25.9	25.9	25.9	25.9	25.9
H74	25.0	25.0	25.0	25.0	25.0	27.5	29.6	29.9	29.9	29.9	29.9	29.9
H75	25.0	25.0	25.0	25.0	27.1	30.9	32.9	33.3	33.3	33.3	33.3	33.3
H78	25.0	25.0	25.0	25.0	26.6	30.4	32.4	32.7	32.8	32.8	32.8	32.8
H79	25.0	25.0	25.0	25.0	25.7	29.4	31.5	31.8	31.8	31.8	31.8	31.8
H89	25.0	25.0	25.0	27.5	31.6	34.8	34.7	34.7	36.3	37.7	37.7	37.7

**Cairnmore Hill Wind Farm (Re-design) Proposed Conditions (THC Ref: 22/03558/FUL)**

<b>Table N: The LA90,10min dB Wind Farm Noise Level during the Day – 30 Degree Sector</b>												
<b>House ID</b>	<b>Reference Wind Speed, Standardised v10 (ms-1)</b>											
	1	2	3	4	5	6	7	8	9	10	11	12
H5	25.0	25.0	25.0	25.0	25.0	28.3	30.4	30.7	30.7	30.7	30.7	30.7
H6	25.0	25.0	25.0	25.0	25.0	28.1	30.1	30.5	30.5	30.5	30.5	30.5
H7	25.0	25.0	25.0	25.0	26.6	30.4	32.5	32.8	32.8	32.8	32.8	32.8
H11	25.0	25.0	25.0	25.0	28.1	31.8	33.9	34.1	34.2	34.2	34.2	34.2
H12	25.0	25.0	25.0	25.0	29.0	32.7	34.3	34.0	35.1	35.1	35.1	35.1
H13	25.0	25.0	25.0	25.0	26.0	29.8	31.9	32.2	32.2	32.2	32.2	32.2
H24	25.0	25.0	25.0	27.4	31.5	34.2	34.0	33.7	36.9	37.6	37.6	37.6
H25	25.0	25.0	25.0	27.3	31.4	34.9	34.8	34.8	36.4	37.5	37.5	37.5
H30	25.0	25.0	25.0	25.2	29.2	33.0	34.9	34.8	35.4	35.4	35.4	35.4
H34	27.1	27.1	27.1	29.8	33.9	37.6	39.7	40.0	40.0	40.0	40.0	40.0
H39	26.2	26.2	26.2	28.8	32.9	34.3	34.2	33.9	37.1	39.1	39.1	39.1
H48	25.0	25.0	25.0	26.8	30.8	34.2	34.0	33.7	36.9	37.0	37.0	37.0
H49	25.0	25.0	25.0	25.0	28.0	31.7	33.8	33.4	34.2	34.2	34.2	34.2
H52	25.0	25.0	25.0	25.0	28.0	31.7	33.8	33.4	34.1	34.1	34.1	34.1
H57	25.0	25.0	25.0	25.0	27.7	31.5	33.6	33.9	33.9	33.9	33.9	33.9
H68	25.0	25.0	25.0	25.6	29.6	32.3	33.3	35.8	35.8	35.8	35.8	35.8
H69	25.0	25.0	25.0	25.4	29.4	33.2	35.3	35.6	35.6	35.6	35.6	35.6
H72	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
H74	25.0	25.0	25.0	25.0	26.7	30.4	32.5	32.8	32.8	32.8	32.8	32.8
H75	25.0	25.0	25.0	25.0	26.9	30.6	32.7	33.0	33.0	33.0	33.0	33.0
H78	25.0	25.0	25.0	25.0	26.7	30.5	32.5	32.9	32.9	32.9	32.9	32.9
H79	25.0	25.0	25.0	25.0	26.2	30.0	32.1	32.4	32.4	32.4	32.4	32.4
H89	25.0	25.0	25.0	25.0	29.1	32.8	34.9	34.8	35.2	35.2	35.2	35.2



**Cairnmore Hill Wind Farm (Re-design) Proposed Conditions (THC Ref: 22/03558/FUL)**

<b>Table O: The LA90,10min dB Wind Farm Noise Level during the Day – 60 Degree Sector</b>												
<b>House ID</b>	<b>Reference Wind Speed, Standardised v10 (ms-1)</b>											
	1	2	3	4	5	6	7	8	9	10	11	12
H5	25.0	25.0	25.0	25.0	25.0	28.3	30.4	30.7	30.7	30.7	30.7	30.7
H6	25.0	25.0	25.0	25.0	25.0	26.6	28.7	29.0	29.0	29.0	29.0	29.0
H7	25.0	25.0	25.0	25.0	26.6	30.4	32.5	32.8	32.8	32.8	32.8	32.8
H11	25.0	25.0	25.0	25.0	28.1	31.8	33.9	34.2	34.2	34.2	34.2	34.2
H12	25.0	25.0	25.0	25.0	29.0	32.7	34.7	34.5	35.1	35.1	35.1	35.1
H13	25.0	25.0	25.0	25.0	25.0	27.3	29.3	29.7	29.7	29.7	29.7	29.7
H24	25.0	25.0	25.0	27.4	31.5	34.7	34.6	34.4	37.4	37.6	37.6	37.6
H25	25.0	25.0	25.0	25.5	29.5	33.3	34.9	34.9	35.7	35.7	35.7	35.7
H30	25.0	25.0	25.0	25.0	25.9	29.7	31.8	32.1	32.1	32.1	32.1	32.1
H34	26.1	26.1	26.1	28.7	32.8	36.5	38.6	38.9	39.0	39.0	39.0	39.0
H39	26.2	26.2	26.2	28.8	32.9	34.7	34.6	34.5	37.4	39.1	39.1	39.1
H48	25.0	25.0	25.0	26.8	30.8	34.6	34.5	34.4	37.0	37.0	37.0	37.0
H49	25.0	25.0	25.0	25.0	28.5	32.3	34.3	34.2	34.7	34.7	34.7	34.7
H52	25.0	25.0	25.0	25.0	28.4	32.2	34.3	34.2	34.6	34.6	34.6	34.6
H57	25.0	25.0	25.0	25.0	28.9	32.7	34.8	35.1	35.1	35.1	35.1	35.1
H68	25.2	25.2	25.2	27.9	31.9	32.6	33.5	37.1	38.1	38.1	38.1	38.1
H69	25.6	25.6	25.6	28.3	32.3	36.1	38.2	38.5	38.5	38.5	38.5	38.5
H72	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
H74	25.0	25.0	25.0	26.0	30.0	32.0	32.7	35.3	36.2	36.2	36.2	36.2
H75	25.0	25.0	25.0	25.0	27.4	31.2	33.3	33.6	33.6	33.6	33.6	33.6
H78	25.0	25.0	25.0	25.0	27.8	31.5	33.6	33.9	33.9	33.9	33.9	33.9
H79	25.0	25.0	25.0	25.0	28.1	31.9	34.0	34.3	34.3	34.3	34.3	34.3
H89	25.0	25.0	25.0	25.0	26.3	30.0	32.1	32.4	32.4	32.4	32.4	32.4

**Cairnmore Hill Wind Farm (Re-design) Proposed Conditions (THC Ref: 22/03558/FUL)**

<b>Table P: The LA90,10min dB Wind Farm Noise Level during the Day – 90 Degree Sector</b>												
<b>House ID</b>	<b>Reference Wind Speed, Standardised v10 (ms-1)</b>											
	1	2	3	4	5	6	7	8	9	10	11	12
H5	25.0	25.0	25.0	25.0	25.0	26.0	28.1	28.4	28.4	28.4	28.4	28.4
H6	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
H7	25.0	25.0	25.0	25.0	26.6	30.4	32.5	32.8	32.8	32.8	32.8	32.8
H11	25.0	25.0	25.0	25.0	28.1	31.8	33.9	34.2	34.2	34.2	34.2	34.2
H12	25.0	25.0	25.0	25.0	29.0	32.7	34.7	34.6	35.1	35.1	35.1	35.1
H13	25.0	25.0	25.0	25.0	25.0	25.0	25.2	25.5	25.5	25.5	25.5	25.5
H24	25.0	25.0	25.0	27.4	31.5	34.7	34.6	34.5	37.5	37.6	37.6	37.6
H25	25.0	25.0	25.0	25.0	25.8	29.6	31.6	32.0	32.0	32.0	32.0	32.0
H30	25.0	25.0	25.0	25.0	25.0	26.0	28.1	28.4	28.4	28.4	28.4	28.4
H34	25.0	25.0	25.0	26.8	30.9	34.6	36.7	37.0	37.0	37.0	37.0	37.0
H39	26.2	26.2	26.2	28.8	32.9	34.7	34.6	34.5	37.5	39.1	39.1	39.1
H48	25.0	25.0	25.0	26.8	30.8	34.6	34.6	34.4	37.0	37.0	37.0	37.0
H49	25.0	25.0	25.0	25.0	28.5	32.3	34.3	34.2	34.7	34.7	34.7	34.7
H52	25.0	25.0	25.0	25.0	28.4	32.2	34.3	34.2	34.6	34.6	34.6	34.6
H57	25.0	25.0	25.0	25.0	28.9	32.7	34.8	35.1	35.1	35.1	35.1	35.1
H68	26.0	26.0	26.0	28.7	32.7	32.6	33.5	37.1	38.9	38.9	38.9	38.9
H69	26.3	26.3	26.3	29.0	33.1	36.8	38.9	39.2	39.2	39.2	39.2	39.2
H72	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
H74	25.0	25.0	25.0	27.4	31.5	32.0	32.7	35.3	37.6	37.6	37.6	37.6
H75	25.0	25.0	25.0	25.0	28.9	32.7	34.8	35.1	35.1	35.1	35.1	35.1
H78	25.0	25.0	25.0	25.9	30.0	33.7	35.1	36.1	36.1	36.1	36.1	36.1
H79	25.0	25.0	25.0	27.0	31.1	34.2	34.7	37.2	37.2	37.2	37.2	37.2
H89	25.0	25.0	25.0	25.0	25.0	28.7	30.7	31.1	31.1	31.1	31.1	31.1

**Cairnmore Hill Wind Farm (Re-design) Proposed Conditions (THC Ref: 22/03558/FUL)**

<b>Table Q: The LA90,10min dB Wind Farm Noise Level during the Day – 120 Degree Sector</b>												
<b>House ID</b>	<b>Reference Wind Speed, Standardised v10 (ms-1)</b>											
	1	2	3	4	5	6	7	8	9	10	11	12
H5	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
H6	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
H7	25.0	25.0	25.0	25.0	25.0	26.5	28.6	28.9	28.9	28.9	28.9	28.9
H11	25.0	25.0	25.0	25.0	25.0	27.9	29.9	30.2	30.3	30.3	30.3	30.3
H12	25.0	25.0	25.0	25.0	27.2	30.9	33.0	33.3	33.3	33.3	33.3	33.3
H13	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
H24	25.0	25.0	25.0	27.4	31.5	34.6	34.4	34.1	37.2	37.6	37.6	37.6
H25	25.0	25.0	25.0	25.0	25.0	27.5	29.5	29.8	29.9	29.9	29.9	29.9
H30	25.0	25.0	25.0	25.0	25.0	25.0	26.6	27.0	27.0	27.0	27.0	27.0
H34	25.0	25.0	25.0	25.8	29.8	33.6	35.6	35.9	36.0	36.0	36.0	36.0
H39	26.2	26.2	26.2	28.8	32.9	34.6	34.4	34.1	37.2	39.1	39.1	39.1
H48	25.0	25.0	25.0	26.8	30.8	34.5	34.3	33.8	37.0	37.0	37.0	37.0
H49	25.0	25.0	25.0	25.0	28.5	32.3	34.1	33.5	34.7	34.7	34.7	34.7
H52	25.0	25.0	25.0	25.0	28.4	32.2	34.0	33.4	34.6	34.6	34.6	34.6
H57	25.0	25.0	25.0	25.0	28.9	32.7	34.8	35.1	35.1	35.1	35.1	35.1
H68	26.0	26.0	26.0	28.7	32.6	32.4	33.4	37.0	38.9	38.9	38.9	38.9
H69	26.3	26.3	26.3	29.0	33.1	36.8	38.9	39.2	39.2	39.2	39.2	39.2
H72	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
H74	25.0	25.0	25.0	27.6	31.6	32.0	32.7	35.3	37.8	37.8	37.8	37.8
H75	25.0	25.0	25.0	27.3	31.3	34.8	35.5	37.5	37.5	37.5	37.5	37.5
H78	25.4	25.4	25.4	28.1	32.1	34.7	35.4	38.1	38.3	38.3	38.3	38.3
H79	26.0	26.0	26.0	28.7	32.8	34.1	34.7	37.5	38.9	38.9	38.9	38.9
H89	25.0	25.0	25.0	25.0	25.0	28.6	30.6	31.0	31.0	31.0	31.0	31.0

**Cairnmore Hill Wind Farm (Re-design) Proposed Conditions (THC Ref: 22/03558/FUL)**

<b>Table R: The LA90,10min dB Wind Farm Noise Level during the Day – 150 Degree Sector</b>												
<b>House ID</b>	<b>Reference Wind Speed, Standardised v10 (ms-1)</b>											
	1	2	3	4	5	6	7	8	9	10	11	12
H5	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
H6	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
H7	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
H11	25.0	25.0	25.0	25.0	25.0	25.0	26.0	26.3	26.3	26.3	26.3	26.3
H12	25.0	25.0	25.0	25.0	25.0	26.3	28.4	28.7	28.7	28.7	28.7	28.7
H13	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
H24	25.0	25.0	25.0	25.9	30.0	33.7	33.5	32.3	36.1	36.1	36.1	36.1
H25	25.0	25.0	25.0	25.0	25.0	27.2	29.3	29.6	29.6	29.6	29.6	29.6
H30	25.0	25.0	25.0	25.0	25.0	25.2	27.2	27.6	27.6	27.6	27.6	27.6
H34	25.0	25.0	25.0	25.7	29.8	33.5	35.6	35.9	35.9	35.9	35.9	35.9
H39	25.8	25.8	25.8	28.5	32.5	34.1	33.6	32.5	36.3	38.7	38.7	38.7
H48	25.0	25.0	25.0	26.8	30.8	34.1	33.6	32.5	36.3	37.0	37.0	37.0
H49	25.0	25.0	25.0	25.0	28.5	32.3	33.6	32.7	34.7	34.7	34.7	34.7
H52	25.0	25.0	25.0	25.0	28.4	32.2	33.6	32.7	34.6	34.6	34.6	34.6
H57	25.0	25.0	25.0	25.0	28.9	32.7	34.6	35.1	35.1	35.1	35.1	35.1
H68	26.0	26.0	26.0	28.7	32.4	32.1	33.0	36.7	38.9	38.9	38.9	38.9
H69	26.3	26.3	26.3	29.0	33.1	36.8	38.9	39.2	39.2	39.2	39.2	39.2
H72	25.0	25.0	25.0	25.0	25.0	25.7	27.7	28.1	28.1	28.1	28.1	28.1
H74	25.0	25.0	25.0	27.6	31.6	32.0	32.7	35.3	37.8	37.8	37.8	37.8
H75	25.8	25.8	25.8	28.5	32.5	34.7	35.4	38.0	38.7	38.7	38.7	38.7
H78	25.9	25.9	25.9	28.6	32.6	34.7	35.3	38.0	38.8	38.8	38.8	38.8
H79	26.0	26.0	26.0	28.7	32.8	34.3	35.0	37.8	38.9	38.9	38.9	38.9
H89	25.0	25.0	25.0	25.0	25.9	29.7	31.8	32.1	32.1	32.1	32.1	32.1

Cairnmore Hill Wind Farm (Re-design) Proposed Conditions (THC Ref: 22/03558/FUL)

<b>Table R: The LA90,10min dB Wind Farm Noise Level during the Day – 150 Degree Sector</b>												
<b>House ID</b>	<b>Reference Wind Speed, Standardised v<sub>10</sub> (ms<sup>-1</sup>)</b>											
	1	2	3	4	5	6	7	8	9	10	11	12
H34	25.0	25.0	25.0	25.7	29.8	33.5	35.6	35.9	35.9	35.9	35.9	35.9
H39	25.8	25.8	25.8	28.5	32.5	34.1	33.6	32.5	36.3	38.7	38.7	38.7
H48	25.0	25.0	25.0	26.8	30.8	34.1	33.6	32.5	36.3	37.0	37.0	37.0
H49	25.0	25.0	25.0	25.0	28.5	32.3	33.6	32.7	34.7	34.7	34.7	34.7
H52	25.0	25.0	25.0	25.0	28.4	32.2	33.6	32.7	34.6	34.6	34.6	34.6
H57	25.0	25.0	25.0	25.0	28.9	32.7	34.6	35.1	35.1	35.1	35.1	35.1
H68	26.0	26.0	26.0	28.7	32.4	32.1	33.0	36.7	38.9	38.9	38.9	38.9
H69	26.3	26.3	26.3	29.0	33.1	36.8	38.9	39.2	39.2	39.2	39.2	39.2
H72	25.0	25.0	25.0	25.0	25.0	25.7	27.7	28.1	28.1	28.1	28.1	28.1
H74	25.0	25.0	25.0	27.6	31.6	32.0	32.7	35.3	37.8	37.8	37.8	37.8
H75	25.8	25.8	25.8	28.5	32.5	34.7	35.4	38.0	38.7	38.7	38.7	38.7
H78	25.9	25.9	25.9	28.6	32.6	34.7	35.3	38.0	38.8	38.8	38.8	38.8
H79	26.0	26.0	26.0	28.7	32.8	34.3	35.0	37.8	38.9	38.9	38.9	38.9
H89	25.0	25.0	25.0	25.0	25.9	29.7	31.8	32.1	32.1	32.1	32.1	32.1

**Cairnmore Hill Wind Farm (Re-design) Proposed Conditions (THC Ref: 22/03558/FUL)**

<b>Table S: The LA90,10min dB Wind Farm Noise Level during the Day – 180 Degree Sector</b>												
<b>House ID</b>	<b>Reference Wind Speed, Standardised v<sub>10</sub> (ms<sup>-1</sup>)</b>											
	1	2	3	4	5	6	7	8	9	10	11	12
H5	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
H6	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
H7	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
H11	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
H12	25.0	25.0	25.0	25.0	25.0	25.0	25.8	26.1	26.1	26.1	26.1	26.1
H13	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
H24	25.0	25.0	25.0	25.0	27.1	30.9	32.7	32.0	33.3	33.3	33.3	33.3
H25	25.0	25.0	25.0	25.0	25.1	28.9	30.9	31.3	31.3	31.3	31.3	31.3
H30	25.0	25.0	25.0	25.0	25.0	28.0	30.0	30.4	30.4	30.4	30.4	30.4
H34	25.0	25.0	25.0	27.0	31.0	34.8	36.8	37.2	37.2	37.2	37.2	37.2
H39	25.0	25.0	25.0	26.5	30.5	33.8	33.1	32.0	36.0	36.7	36.7	36.7
H48	25.0	25.0	25.0	25.0	29.0	32.8	33.2	32.0	35.2	35.2	35.2	35.2
H49	25.0	25.0	25.0	25.0	27.7	31.5	33.4	32.3	33.9	33.9	33.9	33.9
H52	25.0	25.0	25.0	25.0	27.6	31.4	33.3	32.2	33.8	33.8	33.8	33.8
H57	25.0	25.0	25.0	25.0	28.9	32.7	34.5	35.1	35.1	35.1	35.1	35.1
H68	26.0	26.0	26.0	28.7	32.7	33.5	34.1	37.3	38.9	38.9	38.9	38.9
H69	26.3	26.3	26.3	29.0	33.1	36.8	38.9	39.2	39.2	39.2	39.2	39.2
H72	25.0	25.0	25.0	25.0	25.1	28.9	31.0	31.3	31.3	31.3	31.3	31.3
H74	25.0	25.0	25.0	27.6	31.6	32.0	32.7	35.3	37.8	37.8	37.8	37.8
H75	25.8	25.8	25.8	28.5	32.5	34.5	35.2	37.9	38.7	38.7	38.7	38.7
H78	25.9	25.9	25.9	28.6	32.6	34.4	35.1	37.8	38.8	38.8	38.8	38.8
H79	26.0	26.0	26.0	28.7	32.8	34.0	34.6	37.6	38.9	38.9	38.9	38.9
H89	25.0	25.0	25.0	25.0	28.8	32.6	34.6	34.7	35.0	35.0	35.0	35.0

**Cairnmore Hill Wind Farm (Re-design) Proposed Conditions (THC Ref: 22/03558/FUL)**

<b>Table T: The LA90,10min dB Wind Farm Noise Level during the Day – 210 Degree Sector</b>												
<b>House ID</b>	<b>Reference Wind Speed, Standardised v<sub>10</sub> (ms<sup>-1</sup>)</b>											
	1	2	3	4	5	6	7	8	9	10	11	12
H5	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
H6	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
H7	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
H11	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
H12	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.3	25.3	25.3	25.3	25.3
H13	25.0	25.0	25.0	25.0	25.0	25.4	27.5	27.8	27.8	27.8	27.8	27.8
H24	25.0	25.0	25.0	25.0	25.6	29.4	31.5	31.8	31.8	31.8	31.8	31.8
H25	25.0	25.0	25.0	25.0	28.7	32.4	34.5	34.4	34.8	34.8	34.8	34.8
H30	25.0	25.0	25.0	25.0	27.6	31.4	33.5	33.8	33.8	33.8	33.8	33.8
H34	26.1	26.1	26.1	28.8	32.8	36.6	38.6	38.9	39.0	39.0	39.0	39.0
H39	25.0	25.0	25.0	25.0	28.4	32.2	32.2	32.0	34.6	34.6	34.6	34.6
H48	25.0	25.0	25.0	25.0	25.0	28.7	30.8	31.1	31.1	31.1	31.1	31.1
H49	25.0	25.0	25.0	25.0	25.0	28.0	30.1	30.4	30.4	30.4	30.4	30.4
H52	25.0	25.0	25.0	25.0	25.0	27.8	29.9	30.2	30.3	30.3	30.3	30.3
H57	25.0	25.0	25.0	25.0	26.5	30.3	32.3	32.7	32.7	32.7	32.7	32.7
H68	25.4	25.4	25.4	28.0	32.1	33.3	33.9	37.2	38.3	38.3	38.3	38.3
H69	26.1	26.1	26.1	28.8	32.9	36.6	38.7	39.0	39.0	39.0	39.0	39.0
H72	25.0	25.0	25.0	25.0	25.1	28.9	31.0	31.3	31.3	31.3	31.3	31.3
H74	25.0	25.0	25.0	27.3	31.4	32.0	32.7	35.3	37.5	37.5	37.5	37.5
H75	25.8	25.8	25.8	28.5	32.5	34.4	35.0	37.8	38.7	38.7	38.7	38.7
H78	25.9	25.9	25.9	28.6	32.6	34.3	34.9	37.8	38.8	38.8	38.8	38.8
H79	26.0	26.0	26.0	28.7	32.8	33.8	34.4	37.5	38.9	38.9	38.9	38.9
H89	25.0	25.0	25.0	27.5	31.6	34.8	34.7	34.5	36.2	37.7	37.7	37.7

**Cairnmore Hill Wind Farm (Re-design) Proposed Conditions (THC Ref: 22/03558/FUL)**

<b>Table U: The LA90,10min dB Wind Farm Noise Level during the Day – 240 Degree Sector</b>												
<b>House ID</b>	<b>Reference Wind Speed, Standardised v<sub>10</sub> (ms<sup>-1</sup>)</b>											
	1	2	3	4	5	6	7	8	9	10	11	12
H5	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
H6	25.0	25.0	25.0	25.0	25.0	25.9	28.0	28.3	28.3	28.3	28.3	28.3
H7	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
H11	25.0	25.0	25.0	25.0	25.0	25.0	25.4	25.8	25.8	25.8	25.8	25.8
H12	25.0	25.0	25.0	25.0	25.0	25.0	25.7	26.0	26.0	26.0	26.0	26.0
H13	25.0	25.0	25.0	25.0	25.3	29.1	31.1	31.5	31.5	31.5	31.5	31.5
H24	25.0	25.0	25.0	25.0	25.3	29.0	31.1	31.4	31.5	31.5	31.5	31.5
H25	25.0	25.0	25.0	27.0	31.0	34.6	34.5	34.3	36.1	37.2	37.2	37.2
H30	25.0	25.0	25.0	25.9	29.9	33.7	34.7	34.6	36.1	36.1	36.1	36.1
H34	27.3	27.3	27.3	30.0	34.1	37.8	39.9	40.2	40.2	40.2	40.2	40.2
H39	25.0	25.0	25.0	25.0	27.4	31.2	32.0	32.0	33.6	33.6	33.6	33.6
H48	25.0	25.0	25.0	25.0	25.0	26.1	28.2	28.5	28.5	28.5	28.5	28.5
H49	25.0	25.0	25.0	25.0	25.0	25.0	26.2	26.6	26.6	26.6	26.6	26.6
H52	25.0	25.0	25.0	25.0	25.0	25.0	26.1	26.4	26.5	26.5	26.5	26.5
H57	25.0	25.0	25.0	25.0	25.0	25.9	28.0	28.3	28.3	28.3	28.3	28.3
H68	25.0	25.0	25.0	26.1	30.1	33.3	33.8	36.3	36.3	36.3	36.3	36.3
H69	25.0	25.0	25.0	26.6	30.7	34.4	36.5	36.8	36.8	36.8	36.8	36.8
H72	25.0	25.0	25.0	25.0	25.1	28.9	31.0	31.3	31.3	31.3	31.3	31.3
H74	25.0	25.0	25.0	25.7	29.7	32.0	32.7	35.3	35.9	35.9	35.9	35.9
H75	25.8	25.8	25.8	28.5	32.5	34.2	34.8	37.7	38.7	38.7	38.7	38.7
H78	25.9	25.9	25.9	28.6	32.6	34.2	34.8	37.7	38.8	38.8	38.8	38.8
H79	26.0	26.0	26.0	28.7	32.8	33.7	34.3	37.4	38.9	38.9	38.9	38.9
H89	25.3	25.3	25.3	28.0	32.0	34.7	34.6	34.5	36.2	38.2	38.2	38.2



**Cairnmore Hill Wind Farm (Re-design) Proposed Conditions (THC Ref: 22/03558/FUL)**

<b>Table V: The LA90,10min dB Wind Farm Noise Level during the Day – 270 Degree Sector</b>												
<b>House ID</b>	<b>Reference Wind Speed, Standardised v10 (ms-1)</b>											
	1	2	3	4	5	6	7	8	9	10	11	12
H5	25.0	25.0	25.0	25.0	25.0	26.9	29.0	29.3	29.3	29.3	29.3	29.3
H6	25.0	25.0	25.0	25.0	25.0	28.1	30.1	30.5	30.5	30.5	30.5	30.5
H7	25.0	25.0	25.0	25.0	25.0	25.4	27.5	27.8	27.8	27.8	27.8	27.8
H11	25.0	25.0	25.0	25.0	25.0	26.9	29.0	29.3	29.3	29.3	29.3	29.3
H12	25.0	25.0	25.0	25.0	25.0	26.1	28.1	28.5	28.5	28.5	28.5	28.5
H13	25.0	25.0	25.0	25.0	26.4	30.1	32.2	32.5	32.5	32.5	32.5	32.5
H24	25.0	25.0	25.0	25.0	25.7	29.5	31.6	31.9	31.9	31.9	31.9	31.9
H25	25.4	25.4	25.4	28.1	32.2	34.6	34.5	34.3	36.1	38.3	38.3	38.3
H30	25.0	25.0	25.0	26.4	30.4	34.2	34.6	34.5	36.2	36.6	36.6	36.6
H34	28.0	28.0	28.0	30.7	34.8	38.5	40.6	40.9	40.9	40.9	40.9	40.9
H39	25.0	25.0	25.0	25.0	27.3	31.1	32.0	32.0	33.5	33.5	33.5	33.5
H48	25.0	25.0	25.0	25.0	25.0	25.3	27.4	27.7	27.7	27.7	27.7	27.7
H49	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
H52	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
H57	25.0	25.0	25.0	25.0	25.0	25.0	25.5	25.8	25.8	25.8	25.8	25.8
H68	25.0	25.0	25.0	25.0	26.9	30.7	32.8	33.1	33.1	33.1	33.1	33.1
H69	25.0	25.0	25.0	25.0	27.6	31.4	33.5	33.8	33.8	33.8	33.8	33.8
H72	25.0	25.0	25.0	25.0	25.1	28.9	31.0	31.3	31.3	31.3	31.3	31.3
H74	25.0	25.0	25.0	25.0	26.3	30.1	32.1	32.5	32.5	32.5	32.5	32.5
H75	25.8	25.8	25.8	28.5	32.5	34.1	34.6	37.6	38.7	38.7	38.7	38.7
H78	25.5	25.5	25.5	28.2	32.3	33.9	34.4	37.4	38.4	38.4	38.4	38.4
H79	25.0	25.0	25.0	27.6	31.6	33.6	34.1	37.2	37.8	37.8	37.8	37.8
H89	25.3	25.3	25.3	28.0	32.0	34.7	34.6	34.5	36.2	38.2	38.2	38.2

**Cairnmore Hill Wind Farm (Re-design) Proposed Conditions (THC Ref: 22/03558/FUL)**

<b>Table W: The LA90,10min dB Wind Farm Noise Level during the Day – 300 Degree Sector</b>												
<b>House ID</b>	<b>Reference Wind Speed, Standardised v10 (ms-1)</b>											
	1	2	3	4	5	6	7	8	9	10	11	12
H5	25.0	25.0	25.0	25.0	25.0	28.3	30.4	30.7	30.7	30.7	30.7	30.7
H6	25.0	25.0	25.0	25.0	25.0	28.1	30.1	30.5	30.5	30.5	30.5	30.5
H7	25.0	25.0	25.0	25.0	26.3	30.0	32.1	32.0	32.4	32.4	32.4	32.4
H11	25.0	25.0	25.0	25.0	27.8	31.5	32.0	32.0	33.9	33.9	33.9	33.9
H12	25.0	25.0	25.0	25.0	26.9	30.6	32.0	32.0	33.0	33.0	33.0	33.0
H13	25.0	25.0	25.0	25.0	26.4	30.1	32.2	32.5	32.5	32.5	32.5	32.5
H24	25.0	25.0	25.0	25.0	27.3	31.1	32.0	32.0	33.5	33.5	33.5	33.5
H25	25.4	25.4	25.4	28.1	32.2	34.6	34.5	34.3	36.1	38.3	38.3	38.3
H30	25.0	25.0	25.0	26.4	30.4	34.2	34.6	34.5	36.2	36.6	36.6	36.6
H34	28.0	28.0	28.0	30.7	34.8	38.5	40.6	40.9	40.9	40.9	40.9	40.9
H39	25.0	25.0	25.0	25.0	28.0	31.8	32.0	32.0	34.2	34.2	34.2	34.2
H48	25.0	25.0	25.0	25.0	25.0	26.0	28.1	28.4	28.4	28.4	28.4	28.4
H49	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
H52	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
H57	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.2	25.2	25.2	25.2	25.2
H68	25.0	25.0	25.0	25.0	25.4	29.2	31.2	31.5	31.6	31.6	31.6	31.6
H69	25.0	25.0	25.0	25.0	26.1	29.9	32.0	32.3	32.3	32.3	32.3	32.3
H72	25.0	25.0	25.0	25.0	25.1	28.9	31.0	31.3	31.3	31.3	31.3	31.3
H74	25.0	25.0	25.0	25.0	25.0	27.3	29.4	29.7	29.7	29.7	29.7	29.7
H75	25.0	25.0	25.0	27.2	31.2	34.1	34.7	37.4	37.4	37.4	37.4	37.4
H78	25.0	25.0	25.0	25.9	29.9	33.6	34.0	36.1	36.1	36.1	36.1	36.1
H79	25.0	25.0	25.0	25.0	28.2	32.0	33.9	34.4	34.4	34.4	34.4	34.4
H89	25.3	25.3	25.3	28.0	32.0	34.7	34.6	34.5	36.1	38.2	38.2	38.2

**Cairnmore Hill Wind Farm (Re-design) Proposed Conditions (THC Ref: 22/03558/FUL)**

<b>Table X: The LA90,10min dB Wind Farm Noise Level during the Day – 330 Degree Sector</b>												
<b>House ID</b>	<b>Reference Wind Speed, Standardised v10 (ms-1)</b>											
	1	2	3	4	5	6	7	8	9	10	11	12
H5	25.0	25.0	25.0	25.0	25.0	28.3	30.4	30.7	30.7	30.7	30.7	30.7
H6	25.0	25.0	25.0	25.0	25.0	28.1	30.1	30.5	30.5	30.5	30.5	30.5
H7	25.0	25.0	25.0	25.0	26.6	30.4	32.5	32.0	32.8	32.8	32.8	32.8
H11	25.0	25.0	25.0	25.0	28.1	31.8	32.5	32.0	34.2	34.2	34.2	34.2
H12	25.0	25.0	25.0	25.0	29.0	32.7	32.5	32.0	35.1	35.1	35.1	35.1
H13	25.0	25.0	25.0	25.0	26.4	30.1	32.2	32.5	32.5	32.5	32.5	32.5
H24	25.0	25.0	25.0	26.3	30.3	33.7	33.1	32.3	36.3	36.5	36.5	36.5
H25	25.4	25.4	25.4	28.1	32.2	34.7	34.6	34.4	36.1	38.3	38.3	38.3
H30	25.0	25.0	25.0	26.4	30.4	34.2	34.7	34.6	36.3	36.6	36.6	36.6
H34	28.0	28.0	28.0	30.7	34.8	38.5	40.6	40.9	40.9	40.9	40.9	40.9
H39	25.0	25.0	25.0	26.1	30.1	33.7	33.2	32.6	36.3	36.3	36.3	36.3
H48	25.0	25.0	25.0	25.0	25.0	28.7	30.8	31.1	31.1	31.1	31.1	31.1
H49	25.0	25.0	25.0	25.0	25.0	25.0	26.5	26.9	26.9	26.9	26.9	26.9
H52	25.0	25.0	25.0	25.0	25.0	25.0	26.5	26.9	26.9	26.9	26.9	26.9
H57	25.0	25.0	25.0	25.0	25.0	25.0	25.9	26.2	26.3	26.3	26.3	26.3
H68	25.0	25.0	25.0	25.0	25.3	29.1	31.1	31.5	31.5	31.5	31.5	31.5
H69	25.0	25.0	25.0	25.0	26.0	29.7	31.8	32.1	32.1	32.1	32.1	32.1
H72	25.0	25.0	25.0	25.0	25.0	28.1	30.2	30.5	30.5	30.5	30.5	30.5
H74	25.0	25.0	25.0	25.0	25.0	26.6	28.6	29.0	29.0	29.0	29.0	29.0
H75	25.0	25.0	25.0	25.0	28.4	32.2	34.3	34.6	34.6	34.6	34.6	34.6
H78	25.0	25.0	25.0	25.0	27.4	31.2	33.3	33.6	33.6	33.6	33.6	33.6
H79	25.0	25.0	25.0	25.0	26.2	29.9	32.0	32.3	32.4	32.4	32.4	32.4
H89	25.3	25.3	25.3	28.0	32.0	34.8	34.7	34.5	36.2	38.2	38.2	38.2

## TABLE OF COORDINATE LOCATIONS OF PROPERTIES

Note to Table Y: The geographical co-ordinates references are provided for the purpose of identifying the general location of dwellings to which a given set of noise limits applies.

<b>Table Y: Coordinate locations of the properties listed in Tables A to X</b>		
<b>House ID</b>	<b>Co-ordinates</b>	
	<b>X (m)</b>	<b>Y (m)</b>
H5	306258	965628
H6	307682	965855
H7	305580	965936
H11	305387	966245
H12	305315	966421
H13	307770	966440
H24	304958	967245
H25	307371	967293
H30	307802	967424
H34	307200	967551
H39	304931	967630
H48	304671	968045
H49	304371	968318
H52	304403	968499
H57	304674	968949
H68	305422	969089
H69	305576	969163
H72	308827	969313
H74	305696	969446

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H75	307282	969480
H78	307012	969550
H79	306607	969561
H89	307865	967917

Definitions	
<b>"The Application"</b>	means the application submitted by the Company on[X].
<b>"Bank Holiday"</b>	means: <ul style="list-style-type: none"> <li>- New Year's Day, if it is not a Sunday or, if it is a Sunday, 3rd January; • 2nd January, if it is not a Sunday or, if it is a Sunday, 3rd January;</li> <li>- Good Friday;</li> <li>- The first Monday in May;</li> <li>- The first Monday in August;</li> <li>- 30th November, if it is not a Saturday or Sunday or, if it is a Saturday or Sunday, the first Monday following that day;</li> <li>- Christmas Day, if it is not a Sunday or if it is a Sunday, 27th December; and</li> <li>- Boxing Day, if it is not a Sunday or, if it is a Sunday, the 27th December.</li> </ul>
<b>"Commencement of Development"</b>	Means the date on which Development shall be taken as begun in accordance with section 27 of the Town and Country Planning (Scotland) Act 1997.
<b>"EIAR"</b>	Means the Environmental Information Assessment Report submitted by the Company in August 2022
<b>"Final Commissioning"</b>	Means the earlier of (a) the date on which electricity is exported to the grid on a commercial basis from the last of the wind turbines forming part of the development erected in accordance with this consent; or (b) the date 18 months after the date of First Commissioning, unless a longer period is agreed in writing in advance by the Planning Authority;
<b>"First Commissioning"</b>	Means the date on which electricity is first exported to the grid on a commercial basis from any of the wind turbines forming part of the development.
<b>"IFP Assessment"</b>	Means a safeguarding assessment against current and any possible future IFPs. This assessment must be undertaken by a UK CAA Approved Procedure Design Organisation (APDO).
<b>"IFP Scheme"</b>	Means a scheme to address the potential impact of the turbines on the instrument flight procedures or Aeronautical Information Regulation and Control (ATCSMAC) of Wick Airport.
<b>"Public Holiday"</b>	Means Easter Monday and the third Monday in September.
<b>"Supplementary Information"</b>	Means the Supplementary Information submitted by the Company in October 2023