

Technical Appendix 11.1: Acoustic Assessment of Energy Storage Facility

- 11.160 In addition to the wind farm it is also proposed to include energy storage on site. An acoustic assessment in accordance with BS 4142:2014 + A1:2019²⁵ has been undertaken in order to determine the acoustic impact due to the operation of this part of the proposed development.
- 11.161 The baseline data adopted is that recorded at a wind speed of 1 ms⁻¹ during the background sound measurement surveys made to inform the acoustic assessment of operational noise from the proposed wind farm which correspond to the worst case, or quietest, levels.
- 11.162 The main sources of sound within the proposed development are the inverters, transformers and air conditioning for the Energy Storage Systems (ESS). The ESS units are expected to be continuously charging and discharging. If there are any rest periods for the inverters these are likely to be infrequent and the Heating Ventilation and Air Conditioning systems (HVAC) would still be functioning.
- 11.163 Acoustic emission data for the proposed equipment is detailed in Table 11.1.1. The data corresponds to the maximum acoustic emission for each device as advised by the manufacturer. Predictions based on this data therefore represent the worst case and the sound levels would be expected to be less when the site isn't operating at maximum capacity. The amount of the time that this is the case is unknown at this stage as it depends upon which services the site is used to provide.

Table 11.1.1: Acoustic Emission Data

Equipment	Sound Pressure Level at 1m, dB L _{Aeq}
Inverter	79
ESS unit HVAC	78
Auxiliary transformer	69

- 11.164 Predicted specific sound levels due to the proposed energy storage facility at nearby residential properties, calculated using the ISO 9613-2 propagation model, are detailed in Table 11.1.2. A sound footprint for the energy storage facility is shown in Figure 11.3.
- 11.165 The propagation model takes account of sound attenuation due to geometric spreading and atmospheric absorption. The assumed temperature and relative humidity are 10 °C and 70 % respectively.
- 11.166 Ground effects are also taken into account by the propagation model, with a ground factor of 0.5 adopted to reflect a mix of hard and porous ground between the site and the assessment locations. A 4 m receiver height has been used. The effect of surface features such as buildings and trees has not been considered. There is a degree of conservatism built into the model as a result of the adoption of these settings.
- 11.167 ISO 9613-2 is a downwind propagation model. Where conditions less favourable to sound propagation occur, such as when the assessment locations are crosswind or upwind of the proposed energy storage facility, the predicted sound levels would be expected to be less and the downwind predictions presented here would be regarded as conservative.

²⁵ "Methods for rating and assessing industrial and commercial sound", The British Standards Institution 2019

Table 11.1.2: Predicted Specific Sound Levels

House ID	Sound Pressure Level, dB L _{Aeq}
H1	4
H2	3
H3	3
H4	2
H5	2
H6	2
H10	3
H11	3
H12	3
H13	3
H14	3
H16	3
H22	7
H24	6
H27	9
H33	-1
H34	4
H39	-2
H45	11
H49	1
H52	6
H91	6
H94	9
H158	2
H162	1
H164	2
H165	2
H168	5
H173	11
H209	9
H222	-2
H224	3

11.168 The sound emitted by the inverter cooling fans and HVAC units can have distinctive character. A correction of 2 dB has been applied in the event that tones are clearly perceptible at the assessment locations. This is a conservative measure as it may not be the case in practice.

11.169 The results of an acoustic assessment at the properties where the predicted sound level is largest relative to the background sound level, H27 & H209, are shown in Table 11.1.3.

Table 11.1.3: BS 4142 Assessment Results

Results	Day	Night
Residual sound level	22 dB L _{Aeq, 16 hour}	20 dB L _{Aeq, 16 hour}
Background sound level	19 dB L _{A90, 10 min}	18 dB L _{A90, 10 min}
Predicted specific sound level	9 dB L _{Aeq}	
Acoustic feature correction	2 dB	
Rating sound level	11 dB L _{Aeq}	
Excess of rating level over	-8 dB	-7 dB
Predicted ambient sound level	22 dB L _{Aeq, 16 hour}	20 dB L _{Aeq, 16 hour}
Conclusion	Low impact	Low impact

- 11.170 The proposed energy storage facility is predicted to have a low impact during both day and night time periods as the rating sound level is below the existing background sound level.
- 11.171 There is expected to be no change in the ambient sound level during day the or at night due to the introduction of the energy storage facility, consistent with it having a low impact.
- 11.172 The sound levels due to the proposed energy storage facility are predicted to be greater than 10 dB below the wind farm sound levels such that they would be deemed insignificant in comparison.
- 11.173 In conclusion, the acoustic assessment shows that the impact due to the operation of the proposed energy storage facility is predicted to be low during both day and night time periods such that no adverse impacts would be expected.
- 11.174 Sound emitted during construction of the energy storage facility, including that due to associated traffic flows, is not predicted to exceed the criteria specified in BS 5228-1:2009²⁶ such that significant effects would not be anticipated

²⁶ 'Code of Practice for Noise and vibration control on construction and open sites - Part 1: Noise', British Standards Institution, BS 5228-1:2009

Technical Appendix 11.2: Scope of Assessment

Low Frequency Noise

- 11.175 The frequency range of 'audible noise' is generally taken to be 20 Hz to 20,000 Hz, with the greatest sensitivity to sound typically in the central 500 Hz to 4,000 Hz region. The range from 10 Hz to 200 Hz is generally used to describe 'low frequency noise', and noise with frequencies below 20 Hz used to describe 'infrasound'²⁷, although there is sometimes a lack of consistency regarding the definition of these terms in both common usage and the literature.
- 11.176 Low frequency noise is always present, even in an ambient 'quiet' background²⁷. It is generated by natural sources, including the sea, earthquakes, the rumble of thunder and wind. It is additionally an emission from many artificial sources found in modern life, such as household appliances (e.g. washing machines, dishwashers) and all forms of transport.
- 11.177 Noise emitted from wind turbines covers a broad spectrum from low to high frequencies. In relation to human perception of the broadband noise produced by wind turbines, the dominant frequency range is not the low frequency or infrasonic ranges²⁸. The reason for this is that the perception threshold for hearing in these ranges is much higher than for speech frequencies of between 250 Hz and 4000 Hz. As a result of this decreased sensitivity, wind turbine noise at the lowest frequencies of the range described as 'low frequency noise' would be below the average hearing threshold.
- 11.178 A comprehensive literature review of 'Low Frequency Noise and Infrasound Associated with Wind Turbine Generator Systems', undertaken for the Ontario Ministry for the Environment in 2010, indicated that low frequency noise from wind turbines crosses the threshold boundary, and thus would be considered to become audible, above frequencies of around 40-50 Hz²⁸. The degree of audibility depends upon the wind conditions, the degree of masking from background noise sources and the distance from the wind turbines²⁸.
- 11.179 Although audible under some conditions, a paper; 'Infrasound and low frequency noise from wind turbines: exposure and health effects'²⁹, published by the authors of a literature review on the subject prepared for the Swedish Environmental Protection Agency in 2011³⁰, concludes that the level of low frequency noise produced by wind turbines does not exceed levels from other common sources, such as road traffic noise²⁹.
- 11.180 In response to an article published in the national press in 2004, alleging that low frequency noise from wind turbines may give rise to adverse health effects, the Department of Trade and Industry (DTI) commissioned the Hayes McKenzie Partnership to

²⁷ 'A Review of Published Research on Low Frequency Noise and Its Effects', Leventhall, Report for DEFRA, May 2003

²⁸ 'Low Frequency Noise and Infrasound Associated with Wind Turbine Generator Systems, a Literature Review', Ontario Ministry of the Environment, OSS078696, December 2010

²⁹ 'Infrasound and low frequency noise from wind turbines: exposure and health effects', Bolin et al, Environmental Research Letters Volume 6, September 2011

³⁰ 'A literature review of infra and low frequency noise from wind turbines: exposure and health effects', prepared for Swedish Environmental Protection Agency, November 2011

perform an independent study to investigate these claims³¹. The Government released the following advice based on the report's findings³²:

"The report concluded that there is no evidence of health effects arising from infrasound or low frequency noise generated by wind turbines."

11.181 This is re-iterated in the review undertaken for the Ontario Ministry for the Environment, which concludes that publications by medical professionals indicate that; at typical setback distances, the noise levels produced by wind turbines, including noise at low and infrasound frequencies, do not represent a direct health risk.

11.182 The Oregon Health Authority's Public Health Division conducted a strategic Health Impact Assessment in response to a convergence of questions about potential health impacts from wind energy facilities in Oregon. The report, titled 'Strategic Health Impact Assessment on Wind Energy Development in Oregon'³³, states that:

"Some field studies have found that in some locations near wind turbine facilities, low frequency noise (frequencies between 10 and 200 Hz) may be near or at levels that can be heard by humans. However, there is insufficient evidence to determine if low frequency noise from wind turbines is associated with increased annoyance, disturbance or other health effects".

11.183 Whilst low frequency content of the noise from wind farms shall be considered through the use of octave band specific noise emission and propagation modelling within the assessment presented here, it is considered that specific and targeted assessment on low frequency content of noise emissions from the proposed development is not necessary in light of available information and scientific reviews detailed above.

Infrasound

11.184 In relation to infrasound in general, frequencies below 20 Hz may be audible, although tonality is lost below 16 - 18 Hz, thus losing a key element of perception²⁷. In relation to modern, upwind turbines; there is strong evidence that the levels of infrasound produced are well below the average threshold of human hearing²⁸. The aforementioned DTI report extended this conclusion to more sensitive members of the population³¹:

"Even assuming the most sensitive members of the population have a hearing threshold which is 12 dB lower than the median hearing threshold, measured infrasound levels are well below this criterion".

11.185 As such²⁹:

"infrasound from wind turbines is not audible at close range and even less so at distances where residents are living".

³¹ 'The Measurement of Low Frequency Noise at Three UK Wind Farms', Hayes, Contract Number W/45/00656/00/00, URN 06/1412, 2006. Available at: <https://webarchive.nationalarchives.gov.uk/20090609065010/http://www.berr.gov.uk/files/file31270.pdf>

³² 'Advice on findings of the Hayes McKenzie report on noise arising from Wind Farms', DTI, URN 06/2162, November 2006. Available at: <https://webarchive.nationalarchives.gov.uk/20090609050816/http://www.berr.gov.uk/files/file35592.pdf>

³³ 'Strategic Health Impact Assessment on Wind Energy Development in Oregon', Joshi et al, Oregon Health Authority Public Health Division, March 2013. Available at: https://www.oregon.gov/oha/ph/HealthyEnvironments/TrackingAssessment/HealthImpactAssessment/Documents/Wnd%20Energy%20HIA/Wind%20HIA_Final.pdf

11.186 In February 2005, the BWEA³⁴ published background information on low frequency noise from wind farms³⁵. The conclusion states that:

"It has been repeatedly shown, by measurements of wind turbine noise undertaken in the UK, Denmark, Germany and the USA over the past decade, and accepted by experienced noise professionals, that the levels of infrasonic noise and vibration radiated from modern upwind configuration wind turbines are at a very low level; so low that they lie below the threshold of perception, even for those people who are particularly sensitive to such noise, and even on an actual wind turbine site".

11.187 The BWEA report goes on to quote Dr Geoff Leventhall, author of the DEFRA report on 'Low Frequency Noise and its Effects', as saying:

"I can state, quite categorically, that there is no significant infrasound from current designs of wind turbines".

11.188 With regard to health effects, the DTI report quotes the document 'Community Noise', prepared for the World Health Organisation (WHO), which states that³¹:

"there is no reliable evidence that infrasound below the hearing threshold produce physiological or psychological effects".

11.189 The DTI report goes on to conclude that:

"infrasound associated with modern wind turbines is not a source which will result in noise levels which may be injurious to the health of a wind farm neighbour".

11.190 Furthermore, researchers at Keele University explain that:

"The infrasound generated by wind turbines can only be detected by the most sensitive equipment, and again this is at levels far below that at which humans will detect the low frequency sound. There is no scientific evidence to suggest that infrasound has an impact on human health." ³⁶

11.191 In January 2013 the Environment Protection Authority, South Australia, presented their findings of a study into the level of infrasound within typical environments with a particular focus on comparing wind farm environments to urban and rural environments away from wind farms³⁷. The report states:

"This study concludes that the level of infrasound at houses near the wind turbines assessed is no greater than that experienced in other urban and rural environments, and is also significantly below the human perception threshold. Also, that the contribution of wind turbines to the measured infrasound levels is insignificant in comparison with the background level of infrasound in the environment."

³⁴ BWEA is now known as RenewableUK, a group representing the concerns of companies in the Renewable Energy Industry

³⁵ 'Low Frequency Noise and Wind Turbines', The British Wind Energy Association, 2005

³⁶ 'Wind farm noise', Styles & Toon, printed in the Scotsman newspaper as a rebuttal of claims made by the Renewable Energy Foundation, August 2005

³⁷ 'Infrasound Levels Near Windfarms and in Other Environments', Environment Protection Authority & Resonate Acoustics, January 2013. Available at: https://www.epa.sa.gov.au/files/477912_infrasound.pdf

11.192 The Australian Medical Association³⁸ in March 2014 issued a position statement which detailed their findings on the health impacts due to the generation of infrasound from wind turbines. The findings concluded that:

"The available Australian and international evidence does not support the view that the infrasound or low frequency sound generated by wind farms, as they are currently regulated in Australia, causes adverse health effects on populations residing in their vicinity. The infrasound and low frequency sound generated by modern wind farms in Australia is well below the level where known health effects occur, and there is no accepted physiological mechanism where sub audible infrasound could cause health effects".

11.193 In April 2015, at the International Conference on Wind Turbine Noise in Glasgow³⁹, a number of papers were presented on Low Frequency Noise and Infrasound. The findings of the research work undertaken were as follows.

11.194 A paper by Berger et al⁴⁰, investigates whether current audible noise-based guidelines for wind turbines account for the protection of human health, given the levels of infrasound and low frequency noise typically produced by wind turbines. New field measurements of indoor infrasound and outdoor low frequency noise at locations between 400m and 900m from the nearest turbine, which were previously underrepresented in the scientific literature, are reported and put into context with existing published work. The findings concluded that:

"The analysis showed that indoor IS (infrasound) levels were below auditory threshold levels while LFN (low frequency noise) levels at distances >500m were similar to background LFN levels. Overall, the available data from this and other studies suggest that health-based audible noise wind turbine siting guidelines provide an effective means to evaluate, monitor, and protect potential receptors from audible noise as well as IS and LFN".

11.195 Research by Hansen et al⁴¹ proposed to examine the effect of infrasound tonal components on perceived low frequency noise annoyance for short exposure durations. The investigated spectra were synthesized based on measured wind turbine noise, which consisted of amplitude modulated tonal components. Listening tests were developed, based on data measured outside a residence, 1.3 km from a wind farm in South Australia. The research concluded that:

"For evaluation times of 5 minutes, it has been shown that for the persons tested, the presence of infrasound at realistic levels does not influence audibility, annoyance or ability to fall asleep."

³⁸ "AMA Position - Wind Farms and Health 2014", Australian Medical Association, March 2014

³⁹ International Conference on Wind Turbine Noise, An INCE Series of International Conferences on Wind Turbine Noise Held Biennially, Wind Turbine Noise 2015, 20th - 23rd April 2015, Glasgow

⁴⁰ "Health-based Audible Noise Guidelines Account for Infrasound and Low Frequency Noise Produced by Wind Turbines", Berger et al, Frontiers in Public Health, 24 February 2015

⁴¹ "Perception and annoyance of low frequency noise versus infrasound in the context of wind turbine noise", Hansen et al, Sixth International Meeting on Wind Turbine Noise, Glasgow, April 2015

11.196 Leventhall⁴² presented a paper which assesses the scientific basis of the “Plympton-Wyoming bylaw”. This is a bylaw which has recently introduced limits on infrasound from wind turbines. The author concludes:

“Science does not support the conditions of the bylaw, which is largely aimed at restricting blade pass tones. There is no evidence that the very low level of blade pass tones affects humans, whilst there is evidence that it does not.”

11.197 The work carried out by Tonin et al⁴³ was an investigation into the effect on the reported pathological symptoms of simulated infrasound produced by wind turbines. The infrasound waveform was generated using a custom-made headphone apparatus. Volunteers were manipulated into states of either high or low expectancy of negative effects from infrasound and their reactions to either infrasound or a sham noise were recorded in a double blind experiment. The findings of the investigation state that:

“It was found, at least for the short-term exposure times conducted here-in, that the simulated infrasound has no statistically significant effect on the symptoms reported by volunteers, however the state of prior concern that volunteers had about the effect of infrasound has a statistically significant influence.”

11.198 A study by Walker & Celano⁴⁴ considered the subjective effects of wind turbine noise in a controlled environment and how to faithfully generate acoustic signatures produced by actual turbines. Field measurements indicate that these signatures encompass a wide frequency range, extending from below 1Hz to several kHz. The authors present conceptual descriptions and preliminary demonstrations of an infrasound synthesizer that is capable of producing turbine-faithful signals at least 10 dB greater than experienced in the field. The authors concluded from their research:

“It has been demonstrated that simulation of wind turbine noise and infrasound levels representative of those observed at distances of 100 meters can be accomplished in a typical residential-sized room with a modest array of electro-acoustic actuators. To date, subjective reactions to the synthesized signals are not conclusive due to the small number of test subjects and constrained exposure times. However, no individual thus far has reported any sensation when exposed to infrasound alone at peak levels up to 97dB.”

11.199 Therefore, in accordance with literature, it is not considered appropriate or relevant to undertake specific assessment in relation to infrasound for the proposed development.

Sleep Disturbance

11.200 Research evidence supports the conclusion that noise from any source would result in measurable effects on sleep when it reaches a certain level. Such effects may comprise changes in sleep state without those exposed actually awakening, or they may comprise complete awakenings. Either of these responses may or may not have a consequential

⁴² “On the overlap region between wind turbine infrasound and infrasound from other sources and its relation to criteria”, G Leventhall, Sixth International Meeting on Wind Turbine Noise, Glasgow, April 2015

⁴³ “Response to Stimulated Wind Farm Infrasound Including Effect of Expectation”, Tonin et al, Sixth International Meeting on Wind Turbine Noise, Glasgow, April 2015

⁴⁴ “Progress Report on Synthesis of Wind Turbine Noise and Infrasound”, Walker & Celano, Sixth International Meeting on Wind Turbine Noise, Glasgow, April 2015

- long-term effect on wellbeing depending on the subjects concerned and the extent of the effects being considered.
- 11.201 There is no reason why wind turbine noise should be any different to other forms of noise, in that there will be a certain level at which wind turbine noise would impact on the sleep of those exposed to it. As with other forms of noise, some variability in response across the exposed population would be expected, with some people being more noise sensitive and others more noise tolerant.
- 11.202 While some studies have found an association between wind turbine noise and sleep disturbance, others have not⁴⁵. A selection of these studies is summarised below, followed by an explanation of how the night time noise limit recommended by the ETSU-R-97⁴⁶ guidelines, used to assess wind farm noise in the UK, was derived and an outline of the latest WHO advice.
- 11.203 A review undertaken by the Chief Medical Officer of Health of Ontario⁴⁷ in response to public health concerns about wind turbine noise concluded that:
- "...while some people living near wind turbines report symptoms such as dizziness, headaches, and sleep disturbance, the scientific evidence available to date does not demonstrate a direct causal link between wind turbine noise and adverse health effects. The sound level from wind turbines at common residential setbacks is not sufficient to cause hearing impairment or other direct health effects..."*
- 11.204 A report published the Massachusetts Department of Environmental Protection concludes that⁴⁸:
- "Evidence regarding wind turbine noise and human health is limited. There is limited evidence of an association between wind turbine noise and both annoyance and sleep disruption, depending on the sound pressure level at the location of concern".*
- 11.205 A study carried out by Health Canada⁴⁹ found that self-reported sleep (including general disturbance, use of sleep medication, diagnosed sleep disorders and sleep quality) was not associated with wind turbine noise exposure. Furthermore, when sleep quality was measured objectively, calculated wind turbine noise levels outside the participants' homes were not found to be associated with sleep efficiency, the rate of awakenings, duration of awakenings, total sleep time, or how long it took to fall asleep.
- 11.206 In contrast to the conclusions of the three studies described above, a report entitled 'Sleep Disturbance and Wind Turbine Noise' by Dr Christopher Hanning reviewed the potential consequences of wind turbine noise and its effect on sleep and health, making

⁴⁵ 'A Review of the Potential Impacts of Wind Farm Noise on Sleep', Micic et al., Acoustics Australia, February 2018

⁴⁶ 'The Assessment and Rating of Noise from Wind Farms', The Working Group on Noise from Wind Turbines, ETSU Report for the DTI, ETSU-R-97, September 1996. Available at: https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/49869/ETSU_Full_copy_Searchable_.pdf

⁴⁷ 'The Potential Health Impact of Wind Turbines', Chief Medical Officer of Health (CMOH) Report, May 2010. Available at: http://health.gov.on.ca/en/common/ministry/publications/reports/wind_turbine/wind_turbine.pdf

⁴⁸ 'Wind Turbine Health Impact Study: Report of Independent Expert Panel', Ellenbogen et al, Massachusetts Department of Environmental Protection & Public Health, January 2012. Available at: <https://www.mass.gov/doc/wind-turbine-health-impact-study-report-of-independent-expert-panel/download>

⁴⁹ 'Wind Turbine Noise and Health Study: Summary of Results', Health Canada, November 2014. Available at: <http://www.hc-sc.gc.ca/ewh-semt/noise-bruit/turbine-eoliennes/summary-resume-eng.php>

recommendations on setback distances⁵⁰. The report was created on behalf of 'Stop Swinford Wind Farm Action Group' (SSWFAG) and states that:

"There can be no doubt, that groups of industrial wind turbines ("wind farms") generate sufficient noise to disturb the sleep and impair the health of those living nearby."

11.207 In another article by Dr Hanning and Professor Alun Evans published in the British Medical Journal⁵¹ it states:

"A large body of evidence now exists to suggest that wind turbines disturb sleep and impair health at distances and external noise levels that are permitted in most jurisdictions, including the United Kingdom."

11.208 A criticism of Dr Hanning's work is its focus on recommending a fixed setback distance between wind turbines and residential properties. This generalisation obscures the link between noise level and sleep disturbance in that it does not account for variations in the size of wind farm sites and differences in the noise levels emitted by different turbine types. Care is required when interpreting the findings of studies undertaken in multiple countries as different noise limits would likely apply such that the participants could be exposed to different noise levels. It might also be the case that the relevant noise guidance in a given country has changed over time such that older wind farms were assessed against different standards. Other differences between countries might include the specification of a noise limit that applies at all times or separate limits for day and night time periods. If separate limits for day and night time periods are defined it may be the case that the noise limit for one period effectively restricts the amount of noise that can be emitted during the other period such that the limit for the period where a higher limit is permitted on paper is rarely, if ever, reached in practice.

11.209 UK wind farm noise guidance, ETSU-R-97, states that different limits should be applied during daytime and night-time periods. The daytime limits are intended to preserve outdoor amenity, while the night-time limits are intended to prevent sleep disturbance. A lower fixed limit of 35-40 dB L_{A90} applies during daytime periods. The night-time lower fixed limit of 43 dB L_{A90} is derived from the 35 dB(A) sleep disturbance criterion referred to in ETSU-R-97, with an allowance of 10 dB for attenuation through an open window (which is at the conservative end of the 10 - 15 dB range deemed typical) and a correction of 2 dB to allow for the use of L_{A90} , rather than L_{Aeq} .

11.210 The 35 dB(A) sleep disturbance criterion was consistent with WHO advice at the time⁵². The WHO Guidelines for Community Noise⁵³, published in 1995, reduced the indoor limit to 30 dB L_{Aeq} but translated this into an outdoor limit of 45 dB L_{Aeq} which remained consistent with the recommendations of ETSU-R-97.

⁵⁰ 'Sleep Disturbance and Wind Turbine Noise', Hanning, on behalf of Stop Swinford Wind Farm Action Group (SSWFAG), June 2009

⁵¹ 'Wind Turbine Noise', Hanning et al, British Medical Journal, March 2012

⁵² 'WHO Environmental Health Criteria 12 - Noise', World Health Organisation, 1980. Available at: <https://apps.who.int/iris/handle/10665/39458>

⁵³ 'WHO Guidelines for Community Noise', World Health Organisation, 1999. Available at: <https://apps.who.int/iris/handle/10665/66217>

11.211 The Night Noise Guidelines for Europe⁵⁴, published by the WHO in 2009, recommend target levels for the protection of public health from night time noise. The limits proposed are aspirations and have yet to be adopted by any EU Member State. The Night Noise Guideline (NNG) is an outdoor annualised free field noise level of 40 dB L_{Aeq} during night time periods. An interim target of 55 dB L_{Aeq} is recommended in situations where the NNG is not feasible in the short term. Annual averaging would allow noise levels in excess of 40 dB L_{Aeq} to occur for a certain amount of the time without the NNG being breached. The WHO guidelines are therefore not directly comparable to the noise limits for the Proposed Development derived from ETSU-R-97 as these are specified as levels that should not be exceeded. Likewise, the predicted wind farm noise levels shown in the acoustic assessment are not directly comparable to the NNG as they do not represent annual average night time values. The annual average wind farm noise level would depend upon the range of wind speeds and wind directions experienced during night time periods over the year in question.

11.212 The Environmental Noise Guidelines for the European Region⁵⁵, published by the WHO in 2018, are described as complementary to the Night Noise Guidelines and state that:

"No statistically significant evidence was available for sleep disturbance related to exposure from wind turbine noise at night."

11.213 Since ETSU-R-97 accounted for sleep disturbance when setting night time noise limits and continues to be endorsed by planning guidance it is concluded that protection from sleep disturbance is considered within the acoustic impact assessment of the proposed development.

Vibration

11.214 Structure borne noise, originating in vibration, is also low frequency, as is neighbour noise heard through a wall, since walls generally block higher frequencies more than lower frequencies.

11.215 In 2004/2005, researchers at Keele University investigated the effects of the extremely low levels of vibration resulting from wind farms on the operation of the seismic array at Eskdalemuir, one of the most sensitive installations in the world³⁶. The results of this study have frequently been misinterpreted and, to clarify the position, the authors have explained that:

"The levels of vibration from wind turbines are so small that only the most sophisticated instrumentation and data processing can reveal their presence, and they are almost impossible to detect."

11.216 They go on to say:

"Vibrations at this level and in this frequency range will be available from all kinds of sources such as traffic and background noise - they are not confined to wind turbines. To put the level of vibration into context, they are ground vibrations with amplitudes of

⁵⁴ 'Night Noise Guidelines for Europe', World Health Organisation, 2009. Available at: <https://www.euro.who.int/en/health-topics/environment-and-health/noise/publications/2009/night-noise-guidelines-for-europe>

⁵⁵ 'Environmental Noise Guidelines for the European Region, World Health Organisation, 2018. Available at: <https://www.euro.who.int/en/health-topics/environment-and-health/noise/environmental-noise-guidelines-for-the-european-region>

about one millionth of a millimetre. There is no possibility of humans sensing the vibration and absolutely no risk to human health."

11.217 The Ministry of Defence's approach to safeguarding the Eskdalemuir seismic array is to allocate a budget in terms of the cumulative level of seismic vibration from wind turbines. This restricts the number of wind farms that can be located within a certain distance of the Eskdalemuir seismic array (EKA) without adversely impacting upon its operation. In June 2014, a report was prepared by Xi Engineering Consultants with the full cooperation and significant input from the Ministry of Defence⁵⁶. The report builds on initial Phase 0 work which identified that the current budget over estimates the seismic vibration produced by wind turbines and that there is a likelihood of significant prospective head room that would allow the building of wind farms without breaching the 0.336 nm threshold. The goal of the research was to produce an algorithm that could better predict the amplitude of seismic vibrations produced by wind turbines in the 0.5 to 0.8 Hz passband, which might allow the exploitation of wind resource in the Southern Uplands while maintaining protection of the detection capabilities of EKA. The work of the research allows for the determination of how close to EKA wind turbines can be built while optimising the generating capacity within the consultation zone. The application of a physics based algorithm allowed for the calculation of cumulative seismic vibration at EKA. From these calculations they were able to predict that:

"The cumulative amplitude of all turbines currently allocated budget and currently subject to objection with a utilisation factor of unity and minimum hub height of 40 m is 0.193833 nm."

This value falls well below the 0.336 nm threshold as set by the MOD.

11.218 A scientific advisory panel comprising independent experts in acoustics, audiology, medicine and public health conducted a comprehensive review of the available literature on the issue of perceived health effects of wind turbines, titled 'Wind Turbine Sound and Health Effects - An Expert Panel Review', and prepared a report for the American and Canadian Wind Energy Associations in December 2009⁵⁷. The authors explain that:

"Vibration of the body by sound at one of its resonant frequencies occurs only at very high sound levels and is not a factor in the perception of wind turbine noise".

11.219 The authors further state that:

"Airborne sound can cause detectable body vibration, but this occurs only at very high levels – usually above sound pressure levels of 100 dB. There is no scientific evidence to suggest that modern wind turbines cause perceptible vibration in homes or that there is an associated health risk".

11.220 Therefore, in accordance with relevant literature and evidential reviews, it is not considered appropriate or relevant to undertake specific assessment in relation to vibration caused by the operation of the proposed development.

⁵⁶ "Seismic vibration produced by wind turbines in the Eskdalemuir region. Release 2.0 of Substantial Research project" prepared by Xi Engineering Consultants Ltd, Document Number FMB_203_FINAL_V5R, 15th June 2014

⁵⁷ 'Wind Turbine Sound and Health Effects - An Expert Panel Review', W.D. Colby et al, December 2009. Available at: https://canwea.ca/pdf/talkwind/Wind_Turbine_Sound_and_Health_Effects.pdf

Aerodynamic Modulation

- 11.221 A noise sometimes associated with wind turbines and commonly referred to as 'blade swish' is the modulation of aerodynamic noise produced at blade passing frequency (the frequency at which a blade passes a fixed point). This noise character is acknowledged by, and accounted for, in the recommendations of ETSU-R-97⁴⁶. However the aforementioned DTI report³¹ noted that 'Aerodynamic Modulation', alternatively referred to as 'Amplitude Modulation' (AM) was, in some isolated circumstances, occurring in ways not anticipated by ETSU-R-97. AM above and beyond that considered by ETSU-R-97 is often referred to as Excess, or Other, Amplitude Modulation (EAM/OAM).
- 11.222 In December 2013, the wind industry trade association, RenewableUK, published detailed new scientific research⁵⁸ into causes and effects of wind turbine AM. The work was carried out by a group of independent experts, including academics from the Universities of Salford and Southampton, the National Aerospace Laboratory of the Netherlands, Hoare Lea Acoustics, Robert Davies Associates and DTU Riso in Denmark.
- 11.223 The Chairman of the IOA Noise Working Group said of the study:
- "This research is a significant step forward in understanding what causes amplitude modulation from a wind turbine, and how people react to it."*
- 11.224 The RenewableUK work encouraged further research in the area, which has led to the identification of suitable mitigation methods. At the EWEA Technology Workshop on Wind Turbine Sound in 2014, Hoare Lea Acoustics presented a paper entitled: "Measurements to assess the effectiveness of turbine modifications to reduce the occurrence of AM in the far-field"⁵⁹. The paper concludes that turbine blade modifications can result in significant reductions in AM in the far-field and that similar effects can also be achieved through blade pitch modification.
- 11.225 The authors state that:
- "This shows that effective mitigation of AM on operational turbines is technically feasible."*
- 11.226 The other notable outcome of the RenewableUK research was a proposed planning condition informed by listening tests and work undertaken to determine how AM should be measured. The IOA recommended a period of testing and validation before the condition was adopted such that the work again proved valuable as a catalyst for further research.
- 11.227 The IOA created a dedicated AM Working Group to undertake the further testing and validation recommended. A discussion document⁶⁰ on methods for rating amplitude modulation in wind turbine noise was published in April 2015. The document proposed a definition of AM and provided a literature review of the available metrics before selecting three for detailed discussion. The intention was to obtain feedback from the acoustic community, allowing a preferred rating method to be selected following the consultation

⁵⁸ 'Wind Turbine Amplitude Modulation: Research to Improve Understanding as to its Cause and Effects', RenewableUK, December 2013. Available at: <http://usir.salford.ac.uk/id/eprint/33475/>

⁵⁹ 'Measurements to assess the effectiveness of turbine modifications to reduce the occurrence of AM in the far-field', Bullmore & Cand, Hoare Lea Acoustics, EWEA Technology Workshop: Wind Turbine Sound 2014, Malmo, Sweden, December 2014

⁶⁰ 'Methods for Rating Amplitude Modulation in Wind Turbine Noise', Institute of Acoustics Amplitude Modulation Working Group, April 2015. Available at <https://www.ioa.org.uk/publications/wind-turbine-noise>

- period. The final report⁶¹, detailing the recommended metric for the quantification of the level of AM in wind turbine noise, and the reasoning behind it, was published in August 2016.
- 11.228 A separate, government funded, study was commissioned by the Department of Energy and Climate Change (DECC) with a view to recommending how an appropriate AM threshold should be defined. A report summarising the work⁶², undertaken by WSP Parsons Brinckerhoff, was published in August 2016 and proposes an appropriate penalty scheme informed by studies into subjective response to a given level of AM.
- 11.229 There is therefore a method of quantification of the level of AM over a given 10 minute period and the appropriate penalty to apply where necessary. It should be noted that this is in addition to any penalty for tonal noise.
- 11.230 There are no standard or agreed methods, however, by which to predict with any certainty, the likelihood of AM occurring at a level requiring a penalty, only some possible indicators such as relatively high wind shear conditions under certain circumstances or particular turbine designs and/or dimensions for example.
- 11.231 Appropriate elements for a planning condition to control AM were proposed by the acoustic experts undertaking the research. The specific wording for a condition was not within the scope of the research report and it was noted that legal advice would be required to ensure any proposed condition for a particular proposal met the necessary policy guidance tests.

Wind Turbine Syndrome

- 11.232 The condition proposed by paediatrician Dr Nina Pierpont in her report 'Wind Turbine Syndrome: A Report on a Natural Experiment' cites a range of physical sensations and effects as being caused by living near a wind farm⁶³. This study is based on a series of interviews comprising a study group of 10 families. It is a self-published report with none of the research being published in any peer reviewed medical journal.
- 11.233 In a NHS response to the Pierpont report, a report titled 'Are wind farms a health risk?' states that there is no conclusive evidence that wind turbines have an effect on health or are causing the set of symptoms described as 'wind turbine syndrome'⁶⁴. It was noted that the group study by Pierpont was not sufficient to grant the claims stated.
- 11.234 The aforementioned report 'Wind Turbine Sound and Health Effects - An Expert Panel Review'⁵⁷, prepared by a scientific advisory panel for the American and Canadian Wind Energy Associations, concludes that Wind Turbine Syndrome is:
- "not a recognized medical diagnosis, is essentially reflective of symptoms associated with noise annoyance and is an unnecessary and confusing addition to the vocabulary on noise"*.

⁶¹ 'A Method for Rating Amplitude Modulation in Wind Turbine Noise', Institute of Acoustics Amplitude Modulation Working Group, August 2016. Available at <https://www.ioa.org.uk/publications/wind-turbine-noise>

⁶² 'Wind Turbine AM Review', Phase 2 Report, WSP Parsons Brinckerhoff for DECC, August 2016. Available at: https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/562186/Phase_2_Report_-_Wind_Turbine_AM_Review_Issue_3_FINAL_.pdf

⁶³ 'Wind Turbine Syndrome - A Report on a Natural Experiment', Pierpont, K-Selected Books, 2009

⁶⁴ 'Are wind farms a health risk?', NHS, August 2009. Available at: <https://www.nhs.uk/news/lifestyle-and-exercise/are-wind-farms-a-health-risk/>

11.235 The report went on to say:

"There are no unique symptoms or combinations of symptoms that would lead to a specific pattern of this hypothesized disorder."

11.236 An independent review of the state of knowledge about the alleged health condition was carried out⁶⁵. This report includes three expert opinions provided by: Richard J.Q. McNally - Reader in Epidemiology at the Institute of Health and Society Newcastle University; Geoff Leventhall - an independent consultant specialising in low frequency noise, infrasound and vibration; and Mark E. Lutman - Professor of Audiology at the University of Southampton. Their critique of Pierpont's study concludes that the reported symptoms are the effects mediated by stress and anxiety when exposed to an adverse element in their environment. There is no evidence that they are patho-physiological effects of wind turbine noise.

11.237 A paper by Pedersen explores data from three cross-sectional studies comprising A-weighted sound pressure levels of wind turbine noise, and subjectively measured responses from 1,755 people, to find the relationships between sound levels and aspects of health and well-being⁶⁶. It was concluded that there is no consistent association between wind turbine noise exposure and the symptoms associated with Wind Turbine Syndrome.

11.238 A study conducted by Simon Chapman, Professor of Public Health at Sydney University, provides evidence that noise and health complaints about wind turbines are psychogenic⁶⁷. The authors conclude that:

"In view of scientific consensus that the evidence for wind turbine noise and infrasound causing health problems is poor, the reported spatio-temporal variations in complaints are consistent with psychogenic hypotheses that health problems arising are communicated diseases with nocebo effects likely to play an important role in the aetiology of complaints".

11.239 Therefore, in accordance with this literature and the studies detailed above, it is not considered appropriate or relevant to undertake any assessment in relation to Wind Turbine Syndrome in relation to the proposed development.

Wind Turbine Noise and Associated Health Effects Studies

11.240 In 2014 Health Canada released its findings from the "Wind Turbine Noise and Health Study"⁴⁹. Health Canada, in partnership with Statistics Canada, conducted the study between residents of southern Ontario and Prince Edward Island where there were a sufficient number of homes within the vicinity of wind turbine installations. Twelve and six wind turbine developments were sampled in Ontario and PEI, representing 315 and 84 wind turbines, respectively. All potential homes within approximately 600 m of a wind

⁶⁵ 'Wind Turbine Syndrome (WTS) - An independent review of the state of knowledge about the alleged health condition', RenewableUK, July 2010

⁶⁶ 'Health aspects associated with wind turbine noise—results from three field studies' Pedersen, Noise Control Engineering Journal, Volume 59, Issue 1, 2011

⁶⁷ 'Spatio-temporal differences in the history of health and noise complaints about Australian wind farms: evidence for the psychogenic, communicated disease hypothesis', Chapman et al, University of Sydney, 2013

turbine were selected, as well as a random selection of homes between 600 m and 10 km. A total of 1,238 households participated out of a possible 1,570.

11.241 The study was comprised of three parts: an in-person questionnaire given to randomly selected participants living at various distances from wind turbines; a collection of physical health measures that assessed stress levels using hair cortisol, blood pressure and resting heart rate as well as measures of sleep quality; and more than 4,000 hours of wind turbine noise measurements conducted by Health Canada to support calculations of wind turbine noise levels (WTN) in all homes in the study.

11.242 Health Canada broke the findings into five parts: illness and chronic disease, stress, sleep, annoyance and quality of life and noise.

11.243 Under Self-reported Illnesses and Chronic Diseases, Health Canada states:

“Self-reports of having been diagnosed with a number of health conditions were not found to be associated with exposure to WTN levels. These conditions included, but were not limited to chronic pain, high blood pressure, diabetes, heart disease, dizziness, migraines, ringing, buzzing or whistling sounds in the ear (i.e., tinnitus)”.

11.244 Under the heading of Self-reported Stress, Health Canada states no association was found between the multiple measures of stress (such as hair cortisol, blood pressure, heart rate, self-reported stress) and exposure to wind turbine noise.

“Self-reported stress, as measured by scores on the Perceived Stress Scale, was not found to be related to exposure to WTN levels”.

11.245 For Self-reported Sleep:

“Results of self-reported measures of sleep, that relate to aspects including, but not limited to general disturbance, use of sleep medication, diagnosed sleep disorders and scores on the Pittsburgh Sleep Quality Index (PSQI), did not support an association between sleep quality and WTN levels”.

11.246 However, the study states, while some people reported some of the aforementioned health conditions, their existence was not found to change in relation to exposure to wind turbine noise.

11.247 An association was found, however, between increasing levels of wind turbine noise and individuals reporting to be very or extremely annoyed. No association was found with any significant changes in reported quality of life or with overall quality of life and satisfaction with health. This was assessed using the abbreviated version of the World Health Organization’s Quality of Life Scale.

“The overall conclusion to emerge from the study findings is that the study found no evidence of an association between exposure to WTN and the prevalence of self-reported or measured health effects beyond annoyance. Collectively, the findings related to annoyance suggest that health and well-being effects may be partially related to activities that influence community annoyance, over and above exposure to WTN. Therefore, efforts that aim to identify and mitigate high levels of annoyance with wind turbines may have benefits that go beyond annoyance”⁶⁸.

⁶⁸ ‘Wind Turbine Noise and Health Study: Summary of Results’, Michaud, Sixth International Meeting on Wind Turbine Noise, Glasgow, April 2015

11.248 Lastly, under noise, calculated noise levels were found to be below levels that would be expected to directly affect health, according to the World Health Organization Community Noise Guidelines, 1999.

11.249 A review conducted by McCunney et al in⁶⁹ November 2014, examines the literature related to health effects of wind turbines. The review was intended to assess the peer-reviewed literature regarding evaluations of potential health effects among people living in the vicinity of wind turbines. It included analysis and commentary of the scientific evidence regarding potential links to health effects, such as stress, annoyance, and sleep disturbance, among others, that have been raised in association with living in proximity to wind turbines. Also addressed were specific components of noise associated with wind turbines such as infrasound and low-frequency sound and their potential health effects.

11.250 The review attempts to address the following questions regarding wind turbines and health:

- Is there sufficient scientific evidence to conclude that wind turbines adversely affect human health? If so, what are the circumstances associated with such effects and how might they be prevented?
- Is there sufficient scientific evidence to conclude that psychological stress, annoyance, and sleep disturbance can occur as a result of living in proximity to wind turbines? Do these effects lead to adverse health effects? If so, what are the circumstances associated with such effects and how might they be prevented?
- Is there evidence to suggest that specific aspects of wind turbine sound such as infrasound and low-frequency sound have unique potential health effects not associated with other sources of environmental noise?

11.251 The co-authors represent professional experience and training in occupational and environmental medicine, acoustics, epidemiology, otolaryngology, psychology, and public health.

11.252 The findings of the review are summarised thus:

- Measurements of low-frequency sound, infrasound, tonal sound emission, and amplitude-modulated sound show that infrasound is emitted by wind turbines. The levels of infrasound at customary distances to homes are typically well below audibility thresholds.
- No cohort or case-control studies were located in this updated review of the peer-reviewed literature. Nevertheless, among the cross-sectional studies of better quality, no clear or consistent association is seen between wind turbine noise and any reported disease or other indicator of harm to human health.
- Components of wind turbine sound, including infrasound and low-frequency sound have not been shown to present unique health risks to people living near wind turbines.
- Annoyance associated with living near wind turbines is a complex phenomenon related to personal factors. Noise from turbines plays a minor role in comparison with other factors in leading people to report annoyance in the context of wind turbines.

⁶⁹ "Wind Turbines and Health: A Critical Review of the Scientific Literature" McCunney et al, Journal of Occupational & Environmental Medicine, November 2014

- 11.253 The WHO's Environmental Noise Guidelines⁵⁵ conditionally recommend that average exposure to wind turbine noise is limited to 45 dB L_{den} as wind turbine noise above this level is associated with adverse health effects. The recommendation is conditional as evidence of the adverse effects of wind turbine noise was rated as being of low quality. The limit is set at this level as there was deemed to be sufficient, albeit still low quality, evidence that this represented the threshold at which 10 % of people would be expected to be highly annoyed. The risk of other health outcomes at given levels of wind turbine noise could not be assessed due to a lack of evidence.
- 11.254 The day-evening-night level (L_{den}) is an annual average L_{eq} with a 5 dB penalty applied to noise levels occurring during the evening and a 10 dB penalty applied to noise levels during the night. The WHO limit is not directly comparable to the noise limits for the Proposed Development derived from ETSU-R-97 which are specified as L_{90} levels that should not be exceeded. Likewise, the predicted wind farm noise levels shown in the acoustic assessment are not directly comparable to the WHO limit as they do not represent annual average values and do not have the penalties applicable during evening and night time periods applied. The annual average wind farm noise level experienced by nearby residents would depend upon the range of wind speeds and wind directions over the year in question.
- 11.255 Given the lack of evidence of health effects caused by wind turbine noise, the conditional nature of the WHO guidance and the continued endorsement of ETSU-R-97 by planning policy, no additional assessment of health effects due to the proposed development has been undertaken.

Technical Appendix 11.3: Calculating Standardised Wind Speed

11.256 In order to derive appropriate noise limits the ETSU-R-97 guidance requires the correlation of background noise survey data with wind speed data referenced to 10 m height. In contrast to this, acoustic emission measurements on wind turbines are undertaken in accordance with international standard IEC 61400-11, 'Wind Turbine Generator Systems - Part 11: Acoustic Noise Measurement Techniques'⁷⁰, which specifies that the turbine noise emission should be reported as a function of 'standardised' wind speed at 10 m height. In practice this translates as extrapolation of wind speed at hub height down to 10 m height using a specified, and fixed, relationship.

11.257 The use of a fixed relationship between hub height and 10 m wind speed means that potential exists for the background noise data and acoustic emission data to be misaligned i.e. a wind speed measured at 10 m height is not necessarily equivalent to a 'standardised' 10 m wind speed of the same magnitude, with the difference depending upon the site specific shear exponent (the rate of change of wind speed with height).

11.258 To account for the effects of wind shear, the background noise data is referenced to the same wind speed as the acoustic emission data. This approach is defined as appropriate, both by a group of independent acoustic consultants who have undertaken work on behalf of wind farm developers, local planning authorities and third parties in the IoA Bulletin, and in the subsequent IoA GPG. The methodology outlined below is followed to convert the wind speed measured concurrently with the background noise data to 'standardised' 10 m height:

- Extrapolate the wind speed from the measurement height to the proposed hub height by use of a calculated wind shear exponent. The wind shear exponent is a commonly used, empirically based, engineering description of the rate of change of wind speed with height and may vary according to atmospheric conditions and be affected by interactions between ground features and the wind flow. The hub height wind speed for each 10 minute period may be calculated from the measured wind speed and the calculated wind shear exponent as follows:

$$v_{hub} = v_{H1} \left(\frac{h_{hub}}{h_{H1}} \right)^{\alpha}$$

Where: v_{H1} = measured wind speed

v_{hub} = wind speed at proposed hub height

h_{H1} = measurement height

h_{hub} = proposed hub height

α = calculated wind shear exponent from measured site data

- The 'standardised' 10 m wind speed is determined from the calculated hub height wind speed according to the procedure specified in IEC 61400-11. The 'standardised' wind speed is essentially a proxy for hub height wind speed (the primary driver of

⁷⁰ 'Wind turbine generator systems - Part 11: Acoustic noise measurement techniques', IEC 61400-11:2003 (Amendment 1: 2006)

noise emission from the turbine) and is found by extrapolating the hub height wind speed to 10 m height according to the following formula:

$$v_s = v_z \left[\frac{\ln \frac{z_{ref}}{z_{0ref}}}{\ln \frac{z}{z_{0ref}}} \right]$$

Where: v_s is the 'standardised' wind speed

v_z is the wind speed at height z (the hub height wind speed)

z_{0ref} is the reference roughness length (0.05 m)

z_{ref} is the reference height, 10 m

z is the proposed hub height

- The resulting 'standardised' 10 m wind speed is correlated with the measured background noise survey data.

Technical Appendix 11.4: Propagation Height & Valley Effect

11.259 To model the propagation of noise between each proposed turbine and residential property in accordance with the loA GPG the mean propagation height has to be calculated in order to determine whether the correction specified by the guidance for propagation over a concave ground profile, or where the ground falls away significantly between the source and receiver, is applicable.

11.260 Instances where the threshold specified by the loA GPG is exceeded, and 3 dB(A) has therefore been added to the noise level predicted by the ISO 9613-2 propagation model due to that specific turbine at that specific property, are shown in the table below. If a turbine or house ID does not appear in the table then there are no instances for this particular turbine or house.

Instances where Ground Correction Applied

House ID	T2
H91	3

Technical Appendix 11.5: Background Noise Survey Photos

Photo 1: Noise Apparatus in Relation to H27



Photo 2: Noise Apparatus in Relation to H33



Photo 3: Noise Apparatus in Relation to H34



Photo 4: Noise Apparatus in Relation to H94



Technical Appendix 11.6: Instrumentation Records

Survey Location	Meter Type	Meter S/N	Calibration Certificate No.	Date of Issue	Microphone S/N	Preamp S/N	Calibrator Type	Calibrator S/N	Calibrator Certificate No.	Date of Issue
H27	Rion NL-31	00952273	UCRT21/1187	10/02/2021	315828	17125	Rion NC-74	34315132	UCRT21/1450	06/04/2021
H33	Rion NL-31	00983380	UCRT21/1191	10/02/2021	315831	28713	Rion NC-74	34315132	UCRT21/1450	06/04/2021
H34	Rion NL-31	00952272	UCRT21/1192	10/02/2021	309098	17123	Rion NC-74	34315132	UCRT21/1450	06/04/2021
H94	Rion NL-31	00952274	UCRT21/1190	10/02/2021	321532	17126	Rion NC-74	34315132	UCRT21/1450	06/04/2021

Technical Appendix 11.7: Charts

Chart 1: Wind Speed and Direction during the Background Noise Survey

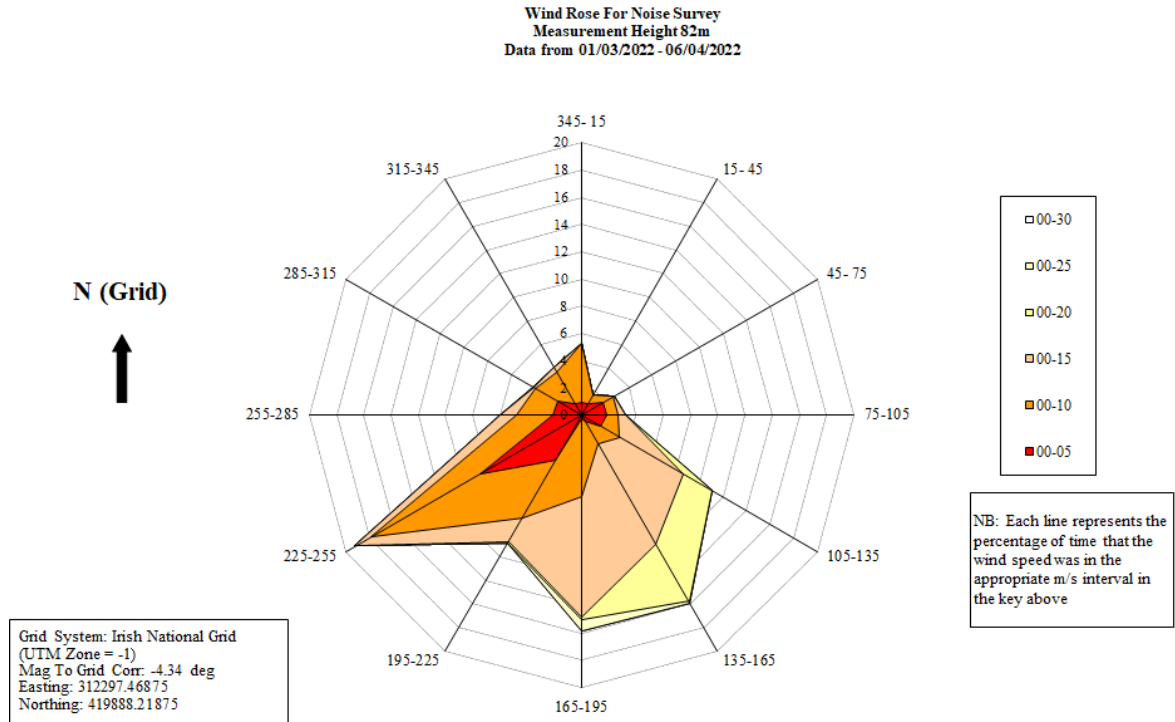


Chart 2: Measured Wind Rose over an Extended Period

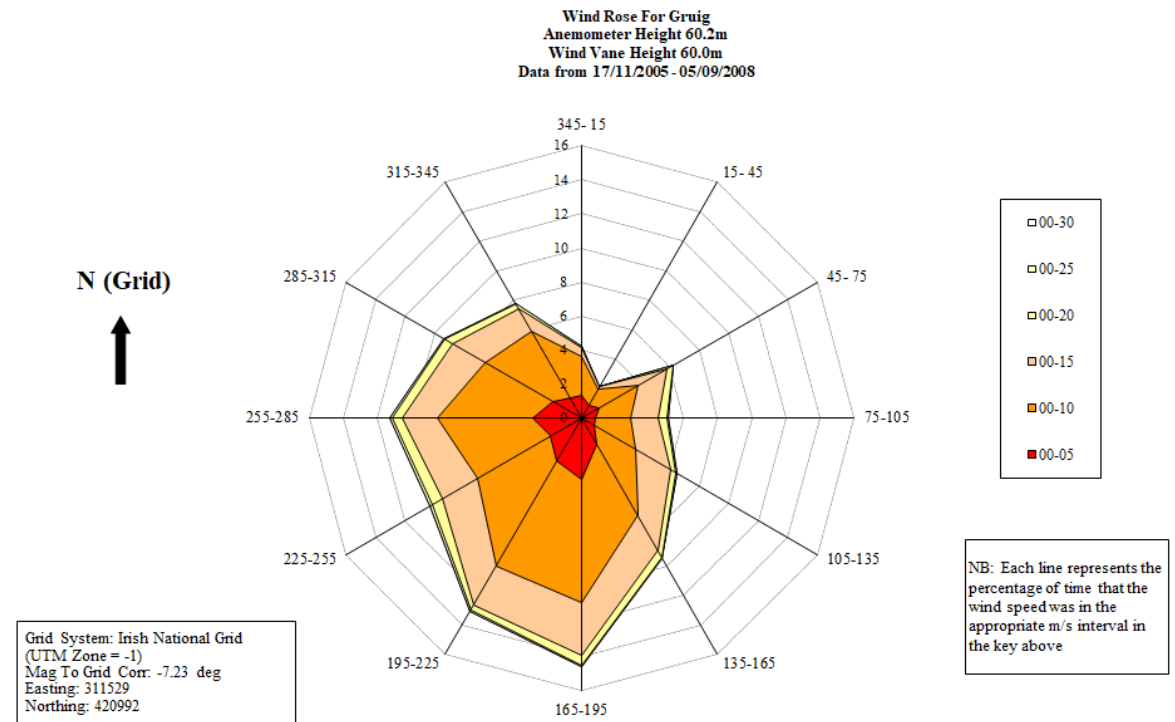


Chart 3: Downwind Predicted Noise Levels, Noise Limits and Background Noise Levels during Quiet Daytime Periods at H27

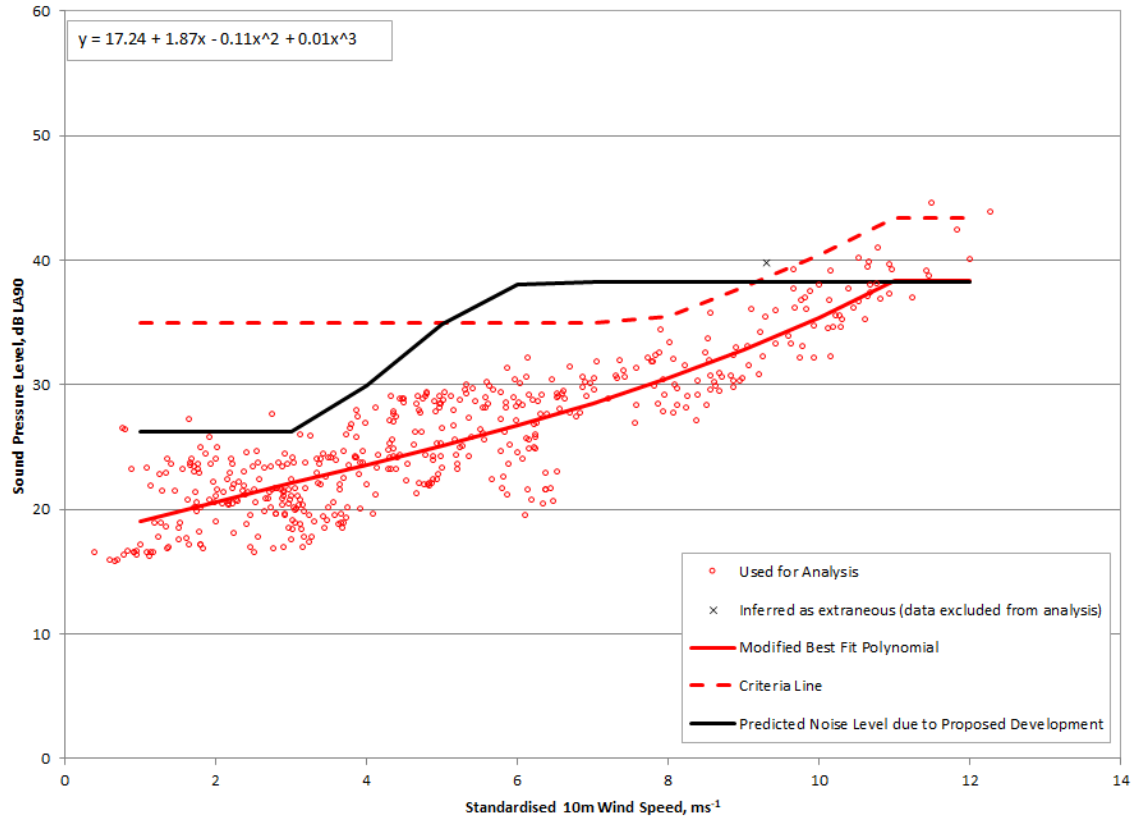


Chart 4: Downwind Predicted Noise Levels, Noise Limits and Background Noise Levels during Quiet Daytime Periods at H33

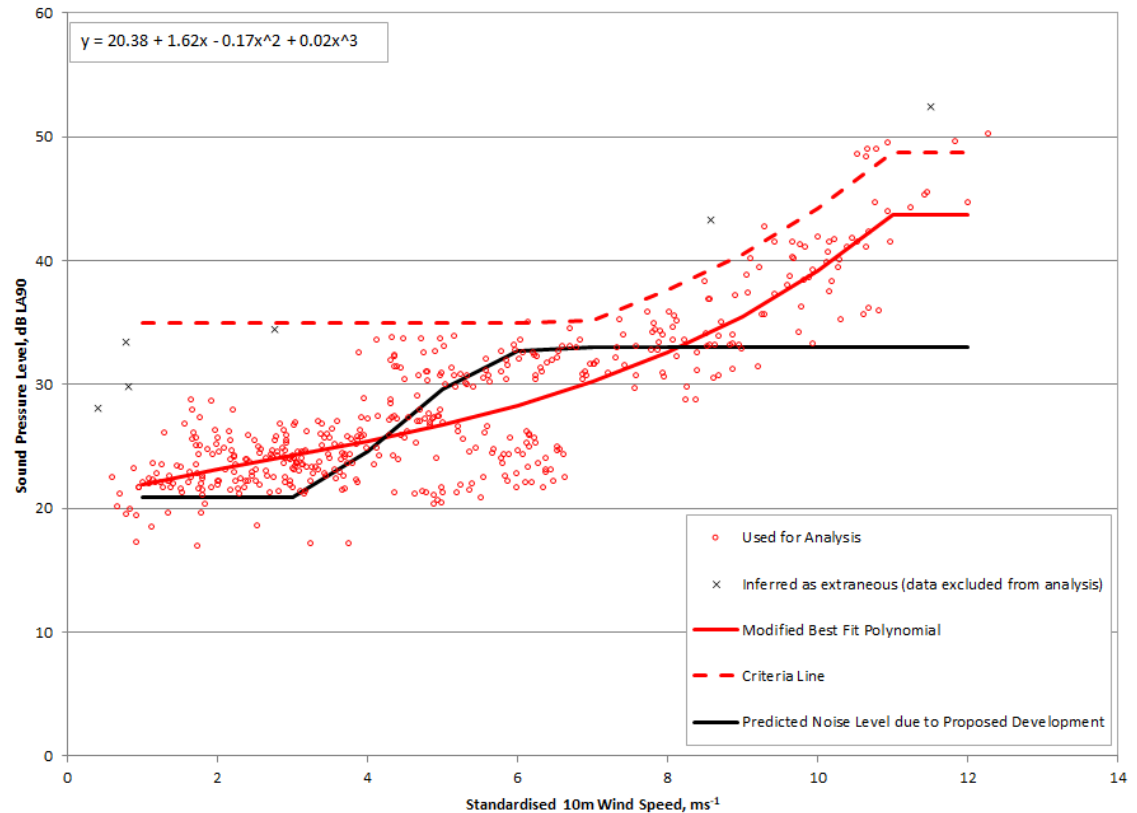


Chart 5: Downwind Predicted Noise Levels, Noise Limits and Background Noise Levels during Quiet Daytime Periods at H34

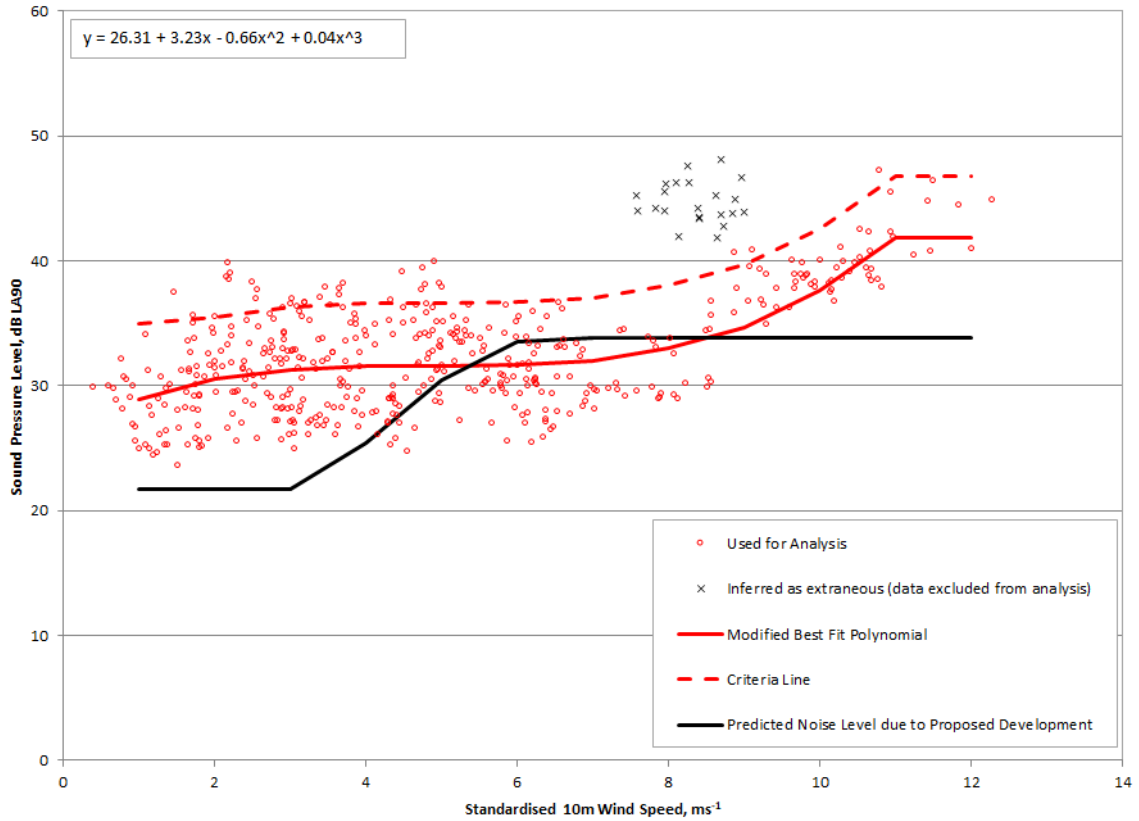


Chart 6: Downwind Predicted Noise Levels, Noise Limits and Background Noise Levels during Quiet Daytime Periods at H94

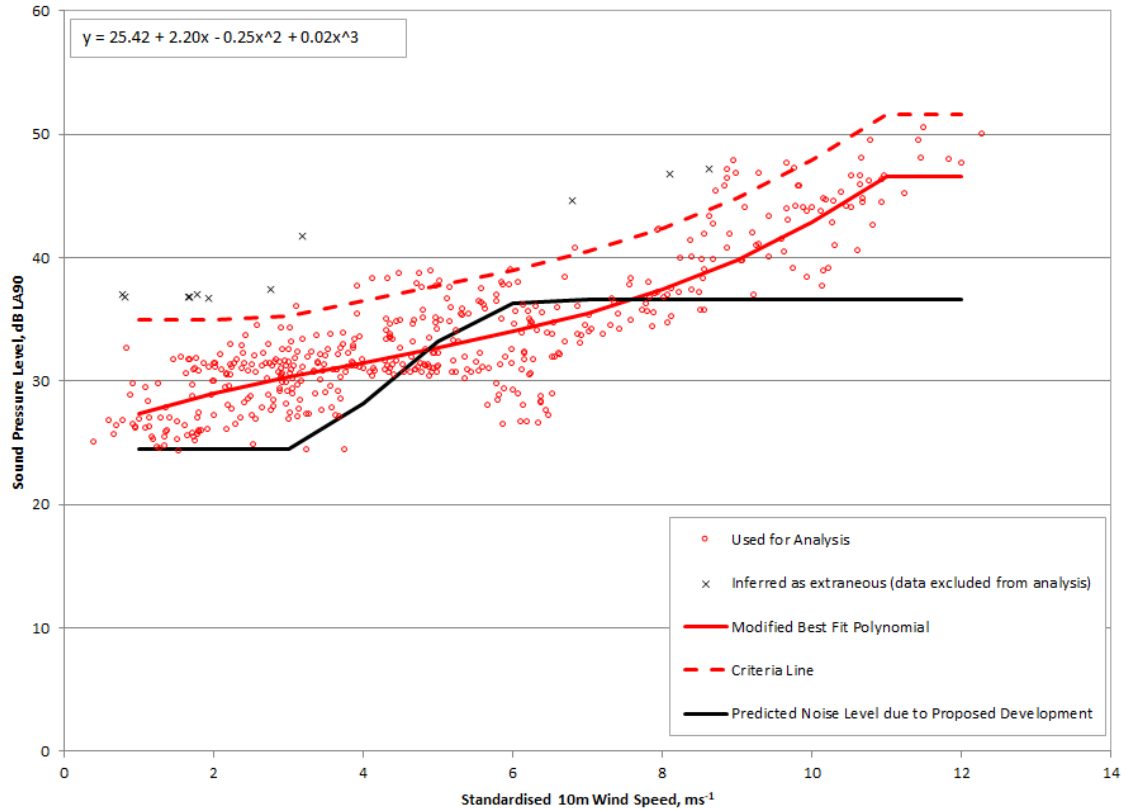


Chart 7: Downwind Predicted Noise Levels, Noise Limits and Background Noise Levels during Night-Time Periods at H27

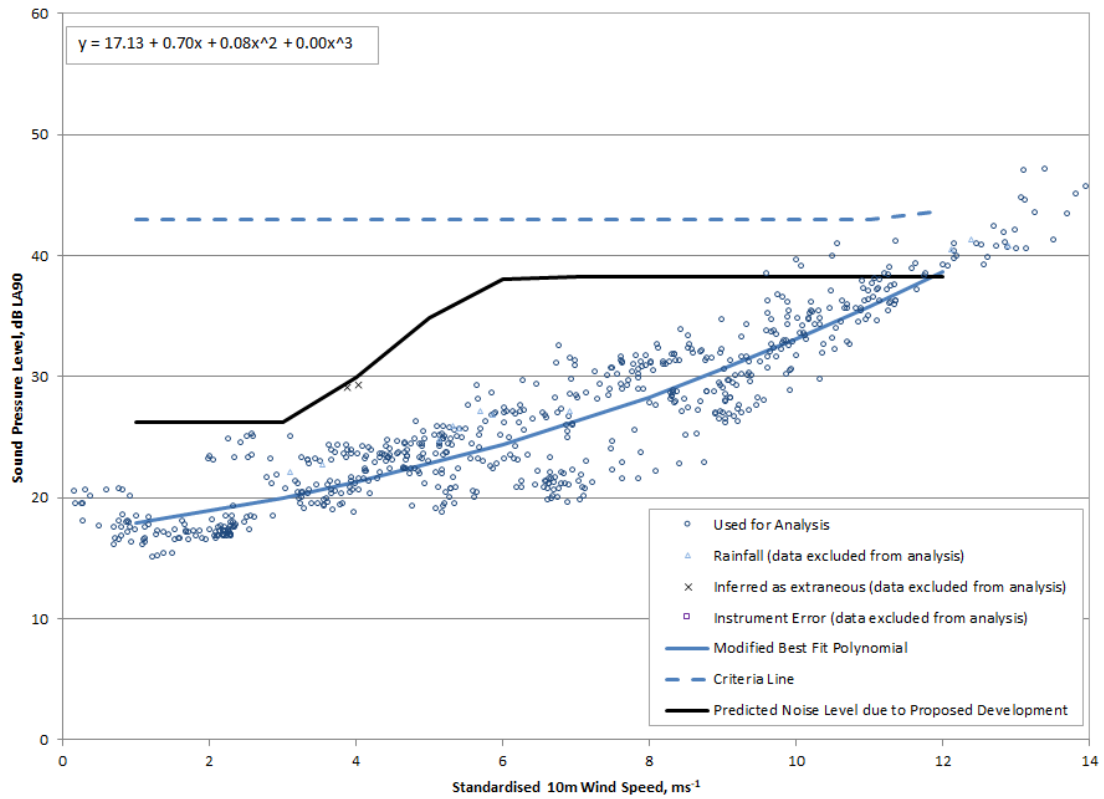


Chart 8: Downwind Predicted Noise Levels, Noise Limits and Background Noise Levels during Night-Time Periods at H33

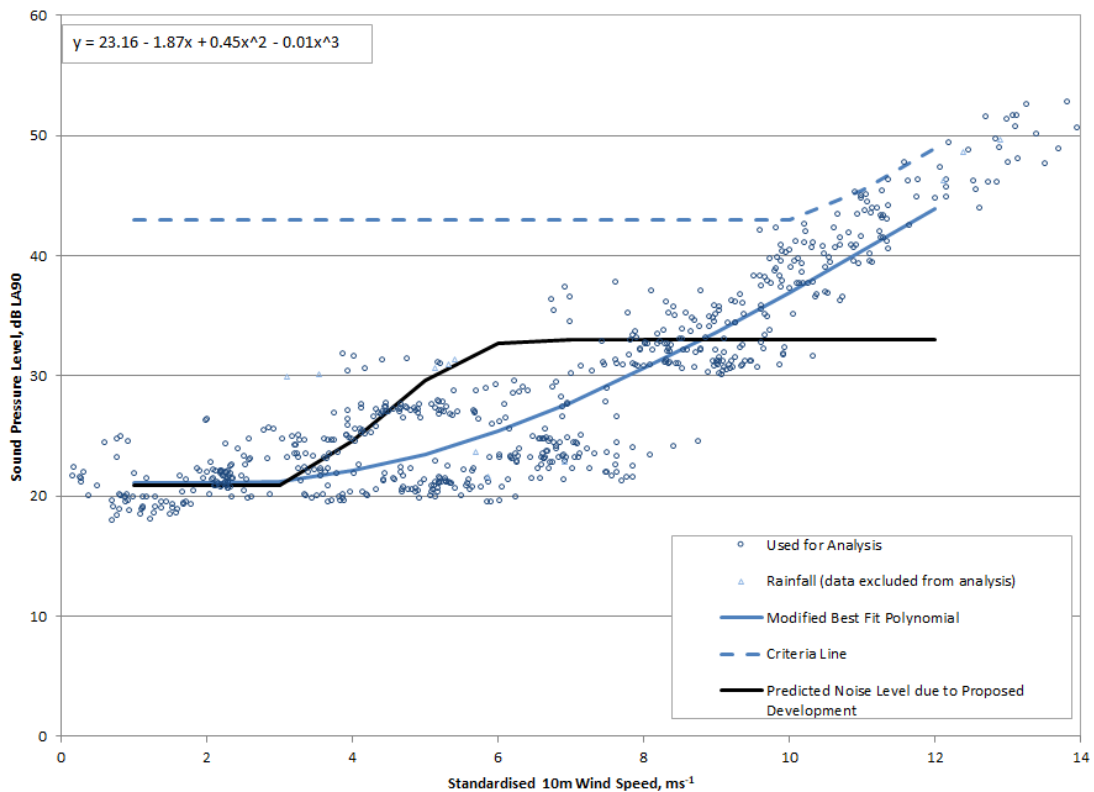


Chart 9: Downwind Predicted Noise Levels, Noise Limits and Background Noise Levels during Night-Time Periods at H34

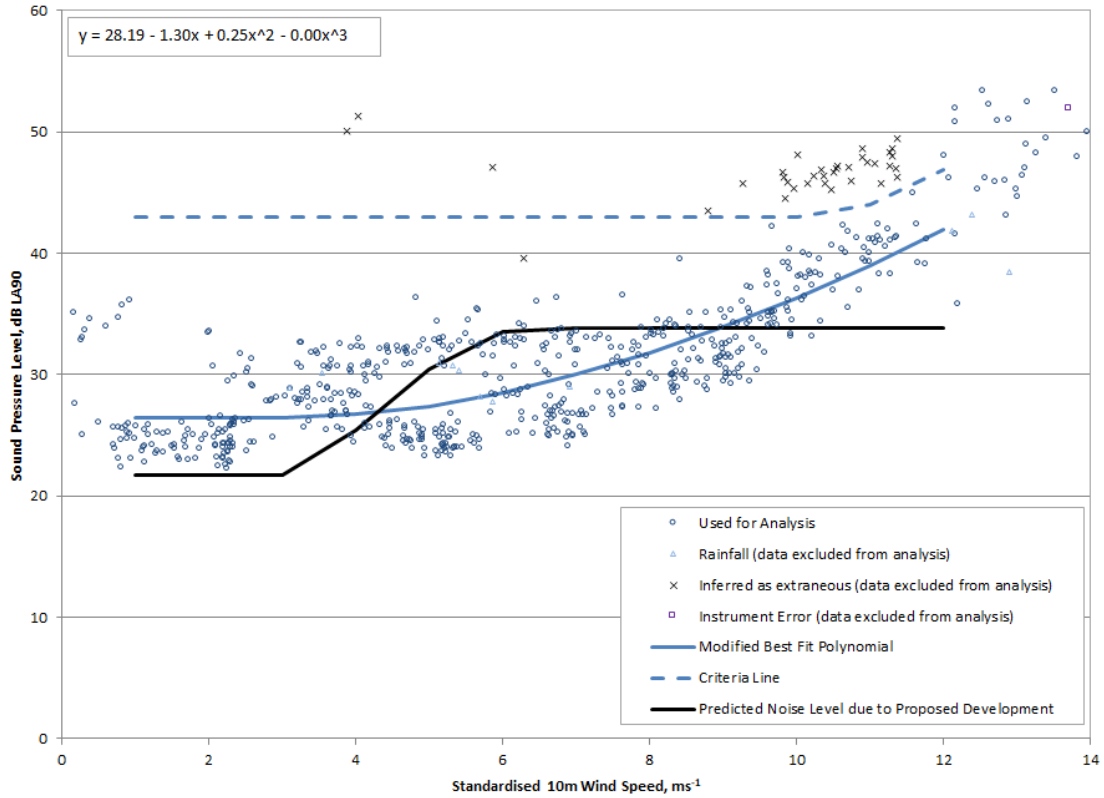
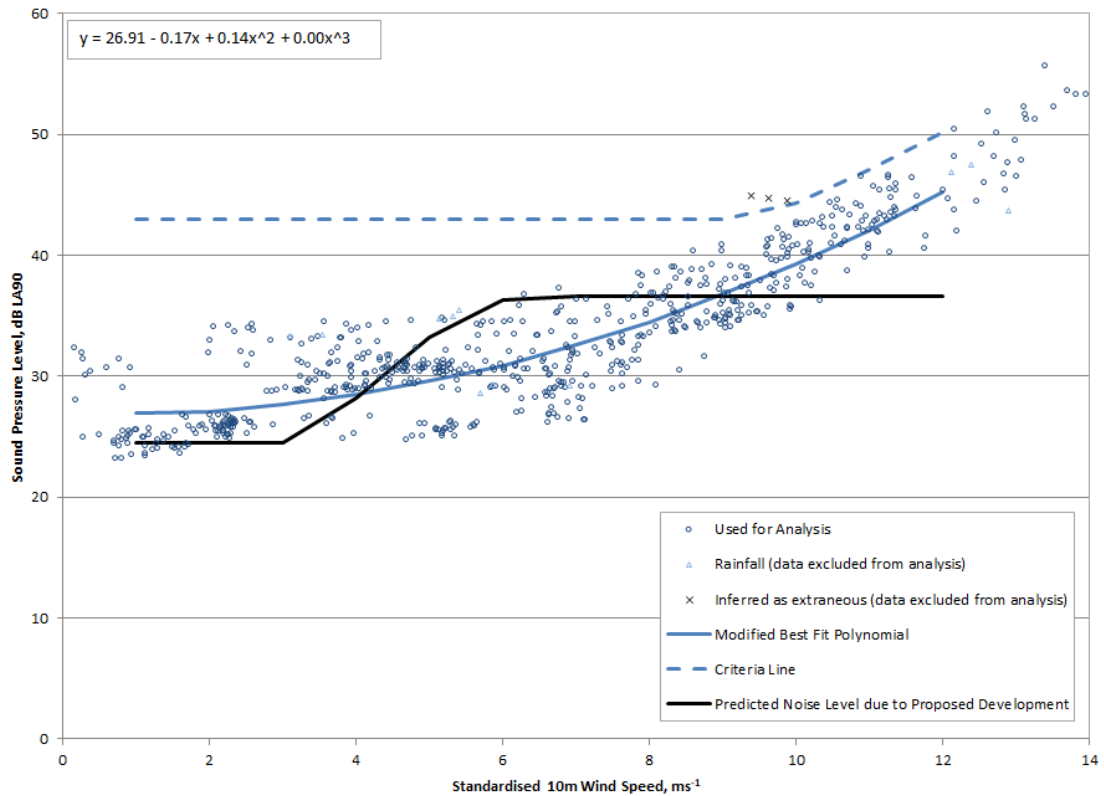


Chart 10: Downwind Predicted Noise Levels, Noise Limits and Background Noise Levels during Night-Time Periods at H94



Technical Appendix 11.8: Suggested Planning Conditions: Noise

- 11.261 If the wind farm was successful in its application for planning permission any resulting decision notice would likely contain appropriately worded noise conditions, written so as to be in accordance with Planning Policy PPS 1⁷¹.
- 11.262 Such conditions would provide a degree of protection to nearby residents under planning law. To that end, presented below are a set of relevant, precise and enforceable conditions that RES suggest may be considered as appropriate. The form of condition wording suggested has been adopted at sites such as Freasdail⁷², Minnygap⁷³, Roos⁷⁴, Solwaybank⁷⁵ and Wryde Croft⁷⁶. Any final conditions attached to the proposal would be according to the discretion of the decision maker.
- 11.263 The proposed noise limits are derived by subtracting the predicted noise levels due to any existing and consented wind farms from the total ETSU-R-97 limit deemed appropriate in the cumulative assessment. The predicted noise levels for the existing and consented schemes are scaled to the relevant conditioned noise limits using the controlling property method recommended in the IoA GPG. This results in noise limits for the proposed development alone such that the cumulative noise limit is met in combination with the existing and consented wind farms.
- 11.264 Following the above calculation the daytime noise limit for the proposed development has been amended so that it does not exceed the limit proposed in the assessment of the proposed development alone i.e. a lower limit of 35 dB(A) or background noise plus 5 dB(A).

⁷¹ Department for the Environment, Northern Ireland "PPS 1: General Principles", March 1998

⁷² Directorate for Planning and Environmental Appeals, Appeal Decision Notice, Appeal Reference PPA-130-2036, Decision Date: 15 April 2014

⁷³ Directorate for Planning and Environmental Appeals, Appeal Decision Notice, Appeal Reference PPA-170-2055, Decision Date: 19 June 2014

⁷⁴ The Planning Inspectorate, Appeal Decision, Appeal Reference: APP/E2001/A/09/2113076, Decision Date: 21 June 2010

⁷⁵ Directorate for Planning and Environmental Appeals, Appeal Decision Notice, Appeal Reference PPA-170-2091, Decision Date: 23 September 2014

⁷⁶ The Planning Inspectorate, Appeal Decisions for Appeal References: APP/J0540/A/08/2083801 and APP/J0540/A/08/2090541, Decision Date: 1 April 2010

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 1-24 (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 Tables attached 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 1-24 shall be those listed in Table 25.
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.
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 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.
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.
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 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.

SCHEDULE OF NOISE GUIDANCE NOTES

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 $L_{A90,10min}$ 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 3.5 m away from the building facade or any reflecting surface except the ground at a location agreed with the Local Planning Authority.
- c) The $L_{A90,10min}$ 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 10 m 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

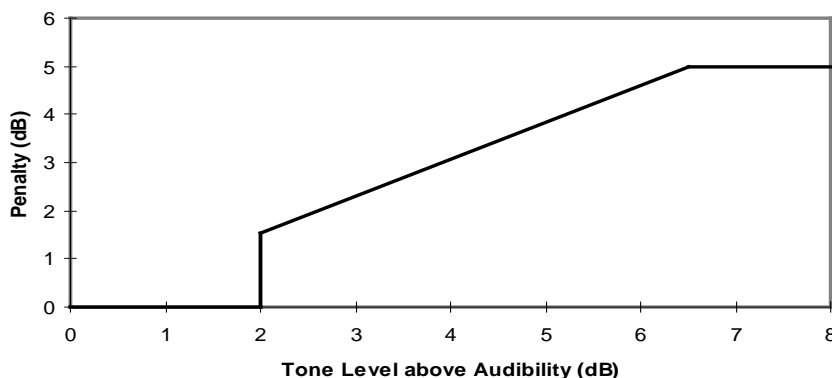
- a) The noise measurements shall be made so as to provide not less than 20 valid data points as defined in Note 2 paragraph (b). Such measurements shall provide valid data points for the range of wind speeds, wind directions, times of day and power generation requested by the Local Planning Authority. 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 10-minute period concurrent with the measurement periods set out in Note 1(c) and is situated in the vicinity of the sound level meter.
- c) Data points considered valid in accordance with Note 2(b) shall be plotted against the corresponding wind speed value determined in accordance with Note 1(d). A least squares, "best fit" curve of 2nd order shall be fitted to the data. In the event that this is a poor fit to the data, a higher (maximum 4th) order polynomial or data binning can

be used. The noise level at each integer speed shall be derived from this best-fit curve, or the relevant data bin, as appropriate.

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 $L_{A90,10min}$ 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, ΔL_{tm} (Delta L_{tm}), 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, L_3 , at the assessed wind speed. The wind farm noise at this wind speed, L_1 , is then calculated as follows, where L_2 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

Noise Limits Relating to Condition 1

Table 1: The $dBL_{A90,10min}$ Wind Farm Noise Level Between 23:00 and 07:00 hours for the 0 Degree Direction Sector

House ID	Standardised 10m Wind Speed, ms^{-1}											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	42.5	42.5	42.5	42.3	41.8	40.1	37.4	38.7	44.5	48.5	51.9	54.9
H2	42.7	42.7	42.7	42.6	42.4	41.8	41.2	42.3	45.9	49.0	51.9	54.6
H3	43.0	43.0	43.0	43.0	42.1	40.9	38.7	35.0	36.1	35.0	39.8	39.7
H4	42.7	42.7	42.7	42.7	42.4	42.0	41.6	41.4	41.4	41.3	41.5	43.5
H5	42.8	42.8	42.8	42.7	42.5	42.1	41.6	41.5	41.5	41.4	41.5	43.5
H6	42.8	42.8	42.8	42.8	42.5	42.0	41.5	41.3	41.3	41.2	42.7	46.3
H10	42.8	42.8	42.8	42.8	42.6	42.1	41.7	41.5	41.4	41.4	42.8	46.3
H11	42.8	42.8	42.8	42.8	42.6	42.3	41.9	41.8	41.7	41.7	43.0	46.4
H12	42.8	42.8	42.8	42.8	42.6	42.3	41.9	41.8	41.7	41.7	43.0	46.4
H13	42.8	42.8	42.8	42.8	42.6	42.2	41.8	41.7	41.6	41.6	42.9	46.4
H14	42.9	42.9	42.9	42.8	42.7	42.3	42.0	41.9	41.8	41.8	43.1	46.4
H16	42.8	42.8	42.8	42.8	42.6	42.2	41.8	41.7	41.6	41.6	42.9	46.3
H22	42.8	42.8	42.8	42.8	42.7	42.5	42.4	42.3	42.2	43.7	46.8	50.0
H24	42.5	42.5	42.5	42.5	42.5	42.3	42.2	42.1	42.0	43.6	46.7	50.0
H27	42.8	42.8	42.8	42.8	42.7	42.5	42.3	42.3	42.1	42.1	42.1	42.8
H33	42.9	42.9	42.9	42.9	42.8	42.7	42.7	42.6	42.6	42.6	45.1	48.8
H34	42.8	42.8	42.8	42.8	42.6	42.2	41.9	41.7	41.7	41.7	42.9	46.4
H39	42.9	42.9	42.9	42.9	42.9	42.8	42.7	42.7	42.6	42.6	45.2	48.8
H45	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.6	46.3	49.8
H49	42.9	42.9	42.9	42.9	42.8	42.6	42.6	42.5	42.4	42.4	42.4	43.1
H52	42.7	42.7	42.7	42.7	42.7	42.6	42.5	42.5	42.4	43.9	46.9	50.1
H91	42.5	42.5	42.5	42.4	42.4	42.2	42.1	42.1	42.0	43.6	46.7	50.0
H94	42.8	42.8	42.8	42.8	42.6	42.3	42.1	42.0	41.9	43.5	46.7	50.0
H158	42.7	42.7	42.7	42.7	42.5	42.2	41.8	41.6	41.6	41.6	41.7	43.6
H162	42.9	42.9	42.9	42.8	42.6	42.3	41.9	41.8	41.8	41.8	43.1	46.4
H164	42.8	42.8	42.8	42.8	42.6	42.1	41.6	41.5	41.4	41.4	42.8	46.3
H165	42.8	42.8	42.8	42.8	42.6	42.1	41.6	41.5	41.4	41.4	42.8	46.3
H168	42.6	42.6	42.6	42.5	42.3	42.0	41.9	41.7	41.5	43.1	46.5	49.9
H173	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.6	46.2	49.8
H209	42.8	42.8	42.8	42.8	42.7	42.5	42.3	42.3	42.1	42.1	42.0	42.8
H222	42.9	42.9	42.9	42.9	42.8	42.7	42.7	42.6	42.6	42.6	45.1	48.8
H224	42.9	42.9	42.9	42.9	42.8	42.7	42.6	42.6	42.5	42.5	42.5	43.2

Table 2: The $dBL_{A90,10min}$ Wind Farm Noise Level Between 23:00 and 07:00 hours for the 30 Degree Direction Sector

House ID	Standardised 10m Wind Speed, ms^{-1}											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	42.4	42.4	42.4	42.2	42.0	40.4	38.8	36.5	43.9	48.2	51.8	54.8
H2	42.6	42.6	42.6	42.5	42.3	41.5	40.8	41.0	45.3	48.7	51.8	54.5
H3	43.0	43.0	43.0	42.9	42.1	40.7	38.7	35.0	35.0	35.1	37.9	37.8

H4	42.6	42.6	42.6	42.6	42.4	42.0	41.7	41.0	40.9	40.8	41.0	43.2
H5	42.7	42.7	42.7	42.7	42.5	42.1	41.8	41.2	41.1	41.1	41.1	43.2
H6	42.7	42.7	42.7	42.7	42.5	42.1	41.7	41.1	40.9	40.9	42.4	46.1
H10	42.8	42.8	42.8	42.7	42.6	42.1	41.9	41.3	41.1	41.1	42.5	46.2
H11	42.8	42.8	42.8	42.8	42.6	42.3	42.1	41.7	41.5	41.5	42.8	46.3
H12	42.8	42.8	42.8	42.8	42.6	42.3	42.1	41.6	41.5	41.5	42.8	46.3
H13	42.8	42.8	42.8	42.8	42.6	42.2	42.0	41.6	41.4	41.4	42.7	46.3
H14	42.8	42.8	42.8	42.8	42.7	42.4	42.2	41.8	41.7	41.6	42.9	46.4
H16	42.8	42.8	42.8	42.8	42.7	42.3	42.1	41.6	41.5	41.4	42.8	46.3
H22	42.8	42.8	42.8	42.8	42.7	42.5	42.4	42.3	42.2	43.7	46.8	50.0
H24	42.5	42.5	42.5	42.5	42.5	42.3	42.2	42.2	42.0	43.6	46.7	50.0
H27	42.8	42.8	42.8	42.8	42.7	42.5	42.4	42.3	42.2	42.2	42.1	42.8
H33	43.0	43.0	43.0	43.0	42.9	42.9	42.9	42.8	42.8	42.8	45.3	48.8
H34	42.8	42.8	42.8	42.8	42.6	42.3	42.1	41.7	41.5	41.5	42.8	46.3
H39	43.0	43.0	43.0	43.0	42.9	42.9	42.8	42.8	42.7	42.7	45.2	48.8
H45	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.6	46.3	49.8
H49	42.9	42.9	42.9	42.9	42.8	42.7	42.6	42.5	42.4	42.4	42.4	43.1
H52	42.8	42.8	42.8	42.8	42.7	42.6	42.6	42.5	42.4	43.9	46.9	50.1
H91	42.5	42.5	42.5	42.4	42.4	42.2	42.2	42.1	42.0	43.6	46.7	50.0
H94	42.8	42.8	42.8	42.8	42.6	42.3	42.2	42.0	41.9	43.5	46.7	50.0
H158	42.7	42.7	42.7	42.6	42.5	42.1	41.8	41.2	41.1	41.0	41.2	43.3
H162	42.8	42.8	42.8	42.8	42.7	42.3	42.1	41.7	41.5	41.5	42.9	46.3
H164	42.8	42.8	42.8	42.7	42.6	42.1	41.9	41.3	41.1	41.1	42.6	46.2
H165	42.8	42.8	42.8	42.7	42.6	42.1	41.9	41.3	41.1	41.1	42.5	46.2
H168	42.6	42.6	42.6	42.5	42.3	42.0	41.9	41.7	41.5	43.1	46.5	49.9
H173	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.6	46.2	49.8
H209	42.8	42.8	42.8	42.8	42.7	42.5	42.4	42.3	42.1	42.1	42.0	42.8
H222	43.0	43.0	43.0	43.0	42.9	42.9	42.8	42.8	42.8	42.8	45.2	48.8
H224	42.9	42.9	42.9	42.9	42.8	42.7	42.7	42.6	42.5	42.5	42.5	43.2

Table 3: The $dBL_{A90,10min}$ Wind Farm Noise Level Between 23:00 and 07:00 hours for the 60 Degree Direction Sector

House ID	Standardised 10m Wind Speed, ms^{-1}											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	42.3	42.3	42.3	42.1	41.9	40.2	37.5	33.7	43.3	48.0	51.7	54.8
H2	42.5	42.5	42.5	42.4	42.2	41.3	40.2	40.1	45.0	48.6	51.7	54.5
H3	43.0	43.0	43.0	42.9	42.1	40.7	38.5	35.0	35.0	35.2	37.5	37.4
H4	42.6	42.6	42.6	42.6	42.4	42.0	41.6	40.9	40.8	40.7	40.9	43.1
H5	42.7	42.7	42.7	42.7	42.6	42.2	41.8	41.2	41.1	41.0	41.1	43.2
H6	42.7	42.7	42.7	42.7	42.6	42.1	41.7	41.1	40.9	40.9	42.4	46.1
H10	42.8	42.8	42.8	42.7	42.6	42.2	41.9	41.3	41.1	41.1	42.5	46.2
H11	42.8	42.8	42.8	42.8	42.6	42.3	42.1	41.7	41.5	41.5	42.8	46.3
H12	42.8	42.8	42.8	42.8	42.6	42.3	42.0	41.6	41.4	41.4	42.8	46.3
H13	42.8	42.8	42.8	42.7	42.6	42.3	42.0	41.5	41.3	41.3	42.7	46.2
H14	42.8	42.8	42.8	42.8	42.7	42.4	42.1	41.8	41.6	41.6	42.9	46.3

H16	42.8	42.8	42.8	42.8	42.7	42.3	42.0	41.6	41.4	41.4	42.8	46.3
H22	42.8	42.8	42.8	42.8	42.7	42.6	42.5	42.4	42.3	43.7	46.8	50.0
H24	42.6	42.6	42.6	42.5	42.5	42.3	42.3	42.2	42.1	43.6	46.7	50.0
H27	42.9	42.9	42.9	42.9	42.8	42.7	42.7	42.6	42.6	42.6	42.5	43.3
H33	43.0	43.0	43.0	43.0	43.0	43.0	42.9	42.9	42.9	42.9	45.4	48.9
H34	42.8	42.8	42.8	42.8	42.6	42.3	42.0	41.7	41.5	41.5	42.8	46.3
H39	43.0	43.0	43.0	43.0	43.0	43.0	42.9	42.9	42.9	42.9	45.3	48.9
H45	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.6	46.3	49.8
H49	42.9	42.9	42.9	42.9	42.9	42.8	42.8	42.8	42.7	42.7	42.7	43.4
H52	42.8	42.8	42.8	42.8	42.7	42.6	42.6	42.5	42.5	43.9	46.9	50.1
H91	42.5	42.5	42.5	42.5	42.4	42.3	42.2	42.1	42.0	43.6	46.7	50.0
H94	42.8	42.8	42.8	42.8	42.6	42.4	42.3	42.1	41.9	43.5	46.7	50.0
H158	42.7	42.7	42.7	42.6	42.5	42.1	41.8	41.2	41.0	41.0	41.1	43.2
H162	42.8	42.8	42.8	42.8	42.7	42.4	42.1	41.7	41.5	41.5	42.9	46.3
H164	42.8	42.8	42.8	42.7	42.6	42.2	41.9	41.3	41.1	41.1	42.6	46.2
H165	42.8	42.8	42.8	42.7	42.6	42.2	41.8	41.3	41.1	41.1	42.5	46.2
H168	42.6	42.6	42.6	42.5	42.3	42.0	41.9	41.7	41.5	43.1	46.5	49.9
H173	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.6	46.3	49.8
H209	42.9	42.9	42.9	42.9	42.8	42.7	42.7	42.6	42.6	42.6	42.5	43.2
H222	43.0	43.0	43.0	43.0	43.0	43.0	42.9	42.9	42.9	42.9	45.3	48.9
H224	43.0	43.0	43.0	42.9	42.9	42.9	42.8	42.8	42.7	42.7	42.7	43.4

Table 4: The $dBL_{A90,10min}$ Wind Farm Noise Level Between 23:00 and 07:00 hours for the 90 Degree Direction Sector

House ID	Standardised 10m Wind Speed, ms^{-1}											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	42.3	42.3	42.3	42.1	41.8	40.0	37.1	33.7	43.2	48.0	51.7	54.8
H2	42.4	42.4	42.4	42.3	42.1	41.1	39.9	39.8	44.9	48.5	51.7	54.5
H3	43.0	43.0	43.0	42.9	42.1	40.7	38.5	35.1	35.0	35.2	37.4	37.3
H4	42.6	42.6	42.6	42.6	42.4	42.0	41.6	40.9	40.8	40.7	40.9	43.1
H5	42.7	42.7	42.7	42.7	42.5	42.2	41.8	41.2	41.0	41.0	41.1	43.2
H6	42.7	42.7	42.7	42.7	42.5	42.1	41.7	41.1	40.9	40.8	42.4	46.1
H10	42.8	42.8	42.8	42.7	42.6	42.2	41.8	41.3	41.1	41.1	42.5	46.2
H11	42.8	42.8	42.8	42.8	42.6	42.3	42.0	41.6	41.5	41.5	42.8	46.3
H12	42.8	42.8	42.8	42.7	42.6	42.3	42.0	41.6	41.4	41.4	42.7	46.3
H13	42.8	42.8	42.8	42.7	42.6	42.2	42.0	41.5	41.3	41.3	42.7	46.2
H14	42.8	42.8	42.8	42.8	42.7	42.4	42.1	41.8	41.6	41.6	42.9	46.3
H16	42.8	42.8	42.8	42.8	42.7	42.3	42.0	41.6	41.4	41.4	42.7	46.3
H22	42.9	42.9	42.9	42.9	42.8	42.6	42.6	42.5	42.4	43.8	46.8	50.1
H24	42.6	42.6	42.6	42.6	42.5	42.4	42.4	42.4	42.3	43.8	46.8	50.1
H27	43.0	43.0	43.0	43.0	42.9	42.9	42.9	42.9	42.8	42.8	42.8	43.5
H33	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	45.4	48.9
H34	42.8	42.8	42.8	42.8	42.6	42.3	42.0	41.6	41.5	41.4	42.8	46.3
H39	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	45.4	48.9
H45	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.8	46.3	49.8

H49	43.0	43.0	43.0	43.0	43.0	42.9	42.9	42.9	42.9	42.9	42.9	43.6
H52	42.8	42.8	42.8	42.8	42.8	42.8	42.7	42.7	42.7	44.1	47.0	50.1
H91	42.5	42.5	42.5	42.5	42.5	42.4	42.4	42.3	42.3	43.8	46.8	50.1
H94	42.8	42.8	42.8	42.8	42.7	42.5	42.4	42.2	42.1	43.6	46.7	50.0
H158	42.7	42.7	42.7	42.6	42.5	42.1	41.8	41.1	41.0	41.0	41.1	43.2
H162	42.8	42.8	42.8	42.8	42.7	42.3	42.1	41.7	41.5	41.5	42.8	46.3
H164	42.8	42.8	42.8	42.7	42.6	42.2	41.8	41.3	41.1	41.1	42.5	46.2
H165	42.8	42.8	42.8	42.7	42.6	42.2	41.8	41.3	41.1	41.0	42.5	46.2
H168	42.6	42.6	42.6	42.5	42.3	42.0	41.9	41.7	41.5	43.1	46.5	49.9
H173	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.8	46.3	49.8
H209	43.0	43.0	43.0	43.0	42.9	42.9	42.9	42.9	42.8	42.8	42.8	43.5
H222	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	45.4	48.9
H224	43.0	43.0	43.0	43.0	43.0	42.9	42.9	42.9	42.9	42.9	42.9	43.6

Table 5: The $dBL_{A90,10min}$ Wind Farm Noise Level Between 23:00 and 07:00 hours for the 120 Degree Direction Sector

House ID	Standardised 10m Wind Speed, ms^{-1}											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	42.2	42.2	42.2	42.0	41.7	39.8	36.6	33.7	43.0	47.9	51.6	54.8
H2	42.4	42.4	42.4	42.3	42.1	41.1	39.9	39.8	44.9	48.5	51.7	54.5
H3	43.0	43.0	43.0	42.9	42.1	40.7	38.5	35.1	35.0	35.2	37.4	37.3
H4	42.6	42.6	42.6	42.6	42.4	42.0	41.6	40.9	40.8	40.7	40.9	43.1
H5	42.7	42.7	42.7	42.7	42.5	42.2	41.8	41.2	41.0	41.0	41.1	43.2
H6	42.8	42.8	42.8	42.7	42.6	42.2	41.8	41.2	41.0	41.0	42.5	46.2
H10	42.8	42.8	42.8	42.7	42.6	42.2	41.9	41.5	41.2	41.2	42.6	46.2
H11	42.8	42.8	42.8	42.8	42.7	42.4	42.1	41.7	41.5	41.5	42.8	46.3
H12	42.8	42.8	42.8	42.8	42.7	42.3	42.1	41.7	41.5	41.5	42.8	46.3
H13	42.8	42.8	42.8	42.8	42.6	42.3	42.0	41.6	41.4	41.4	42.7	46.3
H14	42.8	42.8	42.8	42.8	42.7	42.4	42.2	41.8	41.7	41.7	42.9	46.4
H16	42.8	42.8	42.8	42.8	42.7	42.3	42.1	41.6	41.5	41.5	42.8	46.3
H22	42.9	42.9	42.9	42.9	42.9	42.8	42.7	42.7	42.6	44.0	46.9	50.1
H24	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.5	44.0	46.9	50.1
H27	43.0	43.0	43.0	43.0	43.0	42.9	42.9	42.9	42.9	42.9	42.9	43.6
H33	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	45.4	48.9
H34	42.8	42.8	42.8	42.8	42.7	42.3	42.1	41.7	41.6	41.6	42.8	46.3
H39	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	45.4	48.9
H45	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.0	46.5	49.9
H49	43.0	43.0	43.0	43.0	43.0	43.0	43.0	42.9	42.9	42.9	42.9	43.6
H52	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	44.1	47.0	50.2
H91	42.5	42.5	42.5	42.5	42.6	42.5	42.5	42.5	42.5	43.9	46.9	50.1
H94	42.9	42.9	42.9	42.9	42.9	42.8	42.7	42.7	42.6	44.0	47.0	50.1
H158	42.7	42.7	42.7	42.6	42.5	42.1	41.8	41.1	41.0	41.0	41.1	43.2
H162	42.8	42.8	42.8	42.8	42.7	42.4	42.1	41.7	41.6	41.6	42.9	46.3
H164	42.8	42.8	42.8	42.8	42.6	42.3	41.9	41.4	41.2	41.2	42.6	46.2
H165	42.8	42.8	42.8	42.8	42.6	42.3	41.9	41.4	41.2	41.2	42.6	46.2

H168	42.7	42.7	42.6	42.6	42.4	42.2	42.2	42.0	41.8	43.4	46.6	50.0
H173	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.0	46.5	49.9
H209	43.0	43.0	43.0	43.0	43.0	42.9	42.9	42.9	42.9	42.9	42.9	43.6
H222	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	45.4	48.9
H224	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	42.9	42.9	42.9	43.6

Table 6: The $dBL_{A90,10min}$ Wind Farm Noise Level Between 23:00 and 07:00 hours for the 150 Degree Direction Sector

House ID	Standardised 10m Wind Speed, ms^{-1}											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	42.2	42.2	42.2	42.0	41.7	39.8	36.6	33.7	43.0	47.9	51.6	54.8
H2	42.4	42.4	42.4	42.3	42.1	41.1	39.9	39.8	44.9	48.5	51.7	54.5
H3	43.0	43.0	43.0	42.9	42.1	40.7	38.5	35.0	35.0	35.2	37.5	37.4
H4	42.7	42.7	42.7	42.6	42.5	42.1	41.8	41.2	41.1	41.0	41.2	43.3
H5	42.8	42.8	42.8	42.8	42.7	42.3	42.0	41.5	41.4	41.4	41.4	43.4
H6	42.8	42.8	42.8	42.8	42.7	42.4	42.1	41.7	41.5	41.5	42.8	46.3
H10	42.8	42.8	42.8	42.8	42.7	42.4	42.3	42.0	41.9	41.9	43.1	46.4
H11	42.9	42.9	42.9	42.8	42.7	42.5	42.4	42.2	42.1	42.1	43.3	46.5
H12	42.9	42.9	42.8	42.8	42.7	42.5	42.4	42.2	42.1	42.1	43.2	46.5
H13	42.8	42.8	42.8	42.8	42.7	42.5	42.3	42.1	42.0	42.0	43.2	46.5
H14	42.9	42.9	42.9	42.8	42.8	42.6	42.4	42.3	42.2	42.1	43.3	46.5
H16	42.9	42.9	42.9	42.8	42.8	42.5	42.4	42.2	42.1	42.1	43.3	46.5
H22	43.0	43.0	43.0	43.0	42.9	42.9	42.9	42.9	42.9	44.2	47.0	50.2
H24	42.6	42.6	42.6	42.6	42.7	42.6	42.6	42.6	42.6	44.0	46.9	50.1
H27	43.0	43.0	43.0	43.0	43.0	43.0	42.9	42.9	42.9	42.9	42.9	43.6
H33	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	42.9	42.9	45.4	48.9
H34	42.8	42.8	42.8	42.8	42.7	42.5	42.4	42.2	42.1	42.1	43.2	46.5
H39	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	45.4	48.9
H45	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.3	46.7	50.0
H49	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	42.9	42.9	42.9	43.6
H52	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	44.2	47.0	50.2
H91	42.6	42.6	42.6	42.6	42.6	42.6	42.5	42.5	42.5	43.9	46.9	50.1
H94	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.8	44.2	47.0	50.2
H158	42.7	42.7	42.7	42.7	42.6	42.2	41.9	41.4	41.3	41.2	41.3	43.4
H162	42.9	42.9	42.9	42.8	42.7	42.5	42.3	42.1	42.0	41.9	43.2	46.5
H164	42.8	42.8	42.8	42.8	42.7	42.4	42.2	41.8	41.7	41.7	43.0	46.4
H165	42.8	42.8	42.8	42.8	42.7	42.4	42.2	41.8	41.7	41.7	42.9	46.4
H168	42.8	42.8	42.7	42.7	42.6	42.5	42.4	42.3	42.2	43.7	46.8	50.0
H173	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.3	46.7	50.0
H209	43.0	43.0	43.0	43.0	43.0	42.9	42.9	42.9	42.9	42.9	42.9	43.6
H222	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	42.9	42.9	45.4	48.9
H224	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	42.9	43.7

Table 7: The $dBL_{A90,10min}$ Wind Farm Noise Level Between 23:00 and 07:00 hours for the 180 Degree Direction Sector

Standardised 10m Wind Speed, ms^{-1}												
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House ID	1	2	3	4	5	6	7	8	9	10	11	12
H1	42.3	42.3	42.3	42.1	41.8	40.1	33.0	33.7	43.2	48.0	51.7	54.8
H2	42.5	42.5	42.5	42.4	42.1	41.2	39.1	39.7	45.0	48.5	51.7	54.5
H3	43.0	43.0	43.0	43.0	42.2	41.0	38.6	35.0	35.0	35.0	38.8	38.7
H4	42.8	42.8	42.8	42.8	42.7	42.4	42.1	41.9	41.9	41.8	41.9	43.7
H5	42.9	42.9	42.9	42.9	42.8	42.6	42.4	42.2	42.2	42.2	42.2	43.9
H6	42.9	42.9	42.9	42.9	42.8	42.6	42.5	42.3	42.3	42.3	43.4	46.6
H10	42.9	42.9	42.9	42.9	42.8	42.7	42.6	42.5	42.4	42.4	43.5	46.6
H11	42.9	42.9	42.9	42.9	42.8	42.7	42.6	42.6	42.5	42.5	43.6	46.7
H12	42.9	42.9	42.9	42.9	42.8	42.7	42.6	42.6	42.5	42.5	43.6	46.7
H13	42.9	42.9	42.9	42.9	42.8	42.7	42.6	42.5	42.5	42.5	43.6	46.7
H14	42.9	42.9	42.9	42.9	42.9	42.8	42.7	42.6	42.6	42.6	43.6	46.7
H16	42.9	42.9	42.9	42.9	42.9	42.8	42.7	42.6	42.6	42.6	43.7	46.7
H22	43.0	43.0	43.0	43.0	43.0	42.9	42.9	42.9	42.9	44.2	47.1	50.2
H24	42.6	42.6	42.6	42.6	42.7	42.6	42.6	42.6	42.6	44.0	47.0	50.1
H27	43.0	43.0	43.0	43.0	43.0	42.9	42.9	42.9	42.9	42.9	42.9	43.6
H33	43.0	43.0	43.0	43.0	43.0	42.9	42.9	42.9	42.9	42.9	45.3	48.9
H34	42.9	42.9	42.9	42.9	42.8	42.7	42.7	42.6	42.6	42.5	43.6	46.7
H39	43.0	43.0	43.0	43.0	43.0	43.0	42.9	42.9	42.9	42.9	45.4	48.9
H45	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.3	46.7	50.0
H49	43.0	43.0	43.0	43.0	43.0	43.0	42.9	42.9	42.9	42.9	42.9	43.6
H52	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	44.2	47.0	50.2
H91	42.6	42.6	42.6	42.6	42.6	42.6	42.5	42.5	42.5	43.9	46.9	50.1
H94	43.0	43.0	43.0	43.0	42.9	42.9	42.9	42.9	42.9	44.2	47.0	50.2
H158	42.8	42.8	42.8	42.8	42.7	42.5	42.2	42.0	42.0	42.0	42.0	43.8
H162	42.9	42.9	42.9	42.9	42.8	42.7	42.6	42.5	42.5	42.5	43.5	46.7
H164	42.9	42.9	42.9	42.9	42.8	42.6	42.5	42.4	42.3	42.3	43.4	46.6
H165	42.9	42.9	42.9	42.9	42.8	42.6	42.5	42.4	42.3	42.3	43.4	46.6
H168	42.8	42.8	42.8	42.7	42.6	42.5	42.5	42.4	42.3	43.8	46.8	50.1
H173	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.3	46.7	50.0
H209	43.0	43.0	43.0	43.0	43.0	42.9	42.9	42.9	42.9	42.9	42.9	43.6
H222	43.0	43.0	43.0	43.0	43.0	42.9	42.9	42.9	42.9	42.9	45.3	48.9
H224	43.0	43.0	43.0	43.0	43.0	43.0	43.0	42.9	42.9	42.9	42.9	43.6

Table 8: The $dBL_{A90,10min}$ Wind Farm Noise Level Between 23:00 and 07:00 hours for the 210 Degree Direction Sector

House ID	Standardised 10m Wind Speed, ms^{-1}											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	42.4	42.4	42.4	42.2	41.9	40.2	33.0	34.8	43.8	48.2	51.8	54.8
H2	42.6	42.6	42.6	42.5	42.3	41.6	40.0	41.3	45.5	48.8	51.8	54.5
H3	43.0	43.0	43.0	43.0	42.3	41.4	39.7	36.8	37.9	36.6	40.6	40.5
H4	42.9	42.9	42.9	42.8	42.8	42.7	42.5	42.5	42.4	42.4	42.5	44.1
H5	42.9	42.9	42.9	42.9	42.9	42.8	42.7	42.7	42.6	42.6	42.6	44.2
H6	42.9	42.9	42.9	42.9	42.9	42.8	42.7	42.7	42.7	42.7	43.7	46.8

H10	42.9	42.9	42.9	42.9	42.9	42.8	42.8	42.7	42.7	42.7	43.8	46.8
H11	43.0	43.0	42.9	42.9	42.9	42.9	42.8	42.8	42.8	42.8	43.8	46.8
H12	42.9	42.9	42.9	42.9	42.9	42.9	42.8	42.8	42.8	42.8	43.8	46.8
H13	42.9	42.9	42.9	42.9	42.9	42.8	42.8	42.8	42.7	42.7	43.8	46.8
H14	43.0	43.0	43.0	43.0	42.9	42.9	42.8	42.8	42.8	42.8	43.8	46.8
H16	43.0	43.0	43.0	43.0	42.9	42.9	42.8	42.8	42.8	42.8	43.8	46.8
H22	43.0	43.0	43.0	43.0	42.9	42.9	42.9	42.9	42.9	44.2	47.1	50.2
H24	42.6	42.6	42.6	42.6	42.7	42.6	42.6	42.6	42.6	44.0	46.9	50.1
H27	43.0	43.0	43.0	42.9	42.9	42.9	42.8	42.8	42.8	42.8	42.8	43.5
H33	42.9	42.9	42.9	42.9	42.9	42.8	42.7	42.7	42.7	42.7	45.2	48.8
H34	43.0	43.0	43.0	42.9	42.9	42.9	42.8	42.8	42.8	42.8	43.8	46.8
H39	43.0	43.0	43.0	43.0	42.9	42.9	42.8	42.8	42.8	42.8	45.3	48.8
H45	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.3	46.7	50.0
H49	43.0	43.0	43.0	43.0	42.9	42.9	42.9	42.9	42.8	42.8	42.8	43.5
H52	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	44.1	47.0	50.2
H91	42.6	42.6	42.6	42.6	42.6	42.5	42.5	42.5	42.5	43.9	46.9	50.1
H94	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.8	44.2	47.0	50.2
H158	42.9	42.9	42.9	42.9	42.8	42.7	42.6	42.6	42.6	42.5	42.6	44.2
H162	43.0	43.0	43.0	42.9	42.9	42.9	42.8	42.8	42.8	42.8	43.8	46.8
H164	42.9	42.9	42.9	42.9	42.9	42.8	42.8	42.7	42.7	42.7	43.8	46.8
H165	42.9	42.9	42.9	42.9	42.9	42.8	42.8	42.7	42.7	42.7	43.8	46.8
H168	42.8	42.8	42.8	42.7	42.6	42.5	42.5	42.5	42.4	43.8	46.8	50.1
H173	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.3	46.7	50.0
H209	43.0	43.0	43.0	42.9	42.9	42.9	42.8	42.8	42.8	42.8	42.7	43.5
H222	42.9	42.9	42.9	42.9	42.9	42.8	42.8	42.7	42.7	42.7	45.2	48.8
H224	43.0	43.0	43.0	43.0	43.0	42.9	42.9	42.9	42.9	42.9	42.9	43.6

Table 9: The dBL_{A90,10min} Wind Farm Noise Level Between 23:00 and 07:00 hours for the 240 Degree Direction Sector

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	42.5	42.5	42.5	42.4	42.0	40.3	37.3	38.7	44.6	48.5	51.9	54.9
H2	42.6	42.6	42.6	42.6	42.4	41.9	41.3	42.4	46.0	49.0	51.9	54.6
H3	43.0	43.0	43.0	43.0	42.4	41.6	40.4	38.1	39.0	38.0	41.2	41.2
H4	42.9	42.9	42.9	42.9	42.8	42.8	42.7	42.6	42.6	42.6	42.7	44.3
H5	42.9	42.9	42.9	42.9	42.9	42.9	42.8	42.8	42.8	42.8	42.8	44.3
H6	43.0	43.0	43.0	42.9	42.9	42.9	42.8	42.8	42.8	42.8	43.8	46.8
H10	43.0	43.0	42.9	42.9	42.9	42.9	42.8	42.8	42.8	42.8	43.8	46.8
H11	43.0	43.0	43.0	43.0	42.9	42.9	42.9	42.8	42.8	42.8	43.9	46.8
H12	43.0	43.0	43.0	43.0	42.9	42.9	42.9	42.8	42.8	42.8	43.9	46.8
H13	43.0	43.0	43.0	43.0	42.9	42.9	42.8	42.8	42.8	42.8	43.8	46.8
H14	43.0	43.0	43.0	43.0	42.9	42.9	42.9	42.9	42.9	42.8	43.9	46.8
H16	43.0	43.0	43.0	43.0	42.9	42.9	42.9	42.8	42.8	42.8	43.9	46.8
H22	42.9	42.9	42.9	42.9	42.9	42.9	42.8	42.8	42.8	44.1	47.0	50.2
H24	42.6	42.6	42.6	42.6	42.6	42.6	42.5	42.5	42.5	43.9	46.9	50.1

H27	42.9	42.9	42.9	42.9	42.8	42.6	42.5	42.4	42.4	42.3	42.3	43.0
H33	42.9	42.9	42.9	42.9	42.9	42.7	42.7	42.6	42.6	42.6	45.1	48.8
H34	43.0	43.0	43.0	43.0	42.9	42.9	42.9	42.8	42.8	42.8	43.9	46.8
H39	42.9	42.9	42.9	42.9	42.9	42.8	42.7	42.7	42.6	42.6	45.2	48.8
H45	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.2	46.6	50.0
H49	42.9	42.9	42.9	42.9	42.8	42.7	42.7	42.6	42.6	42.6	42.5	43.2
H52	42.8	42.8	42.8	42.8	42.8	42.7	42.7	42.7	42.7	44.1	47.0	50.1
H91	42.5	42.5	42.5	42.5	42.5	42.5	42.4	42.4	42.4	43.9	46.9	50.1
H94	42.9	42.9	42.9	42.9	42.9	42.8	42.8	42.8	42.7	44.1	47.0	50.1
H158	42.9	42.9	42.9	42.9	42.9	42.8	42.8	42.7	42.7	42.7	42.7	44.3
H162	43.0	43.0	43.0	43.0	42.9	42.9	42.9	42.9	42.8	42.8	43.9	46.8
H164	43.0	43.0	43.0	43.0	42.9	42.9	42.8	42.8	42.8	42.8	43.8	46.8
H165	43.0	43.0	43.0	43.0	42.9	42.9	42.8	42.8	42.8	42.8	43.8	46.8
H168	42.8	42.8	42.7	42.7	42.6	42.5	42.5	42.4	42.3	43.7	46.8	50.1
H173	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.3	46.7	50.0
H209	42.9	42.9	42.9	42.9	42.8	42.6	42.5	42.4	42.3	42.3	42.3	43.0
H222	42.9	42.9	42.9	42.9	42.9	42.7	42.7	42.6	42.6	42.6	45.1	48.8
H224	42.9	42.9	42.9	42.9	42.9	42.8	42.7	42.7	42.6	42.6	42.6	43.3

Table 10: The $dBL_{A90,10min}$ Wind Farm Noise Level Between 23:00 and 07:00 hours for the 270 Degree Direction Sector

House ID	Standardised 10m Wind Speed, ms^{-1}											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	42.5	42.5	42.5	42.4	42.0	40.5	38.4	39.6	44.8	48.6	51.9	54.9
H2	42.8	42.8	42.8	42.7	42.6	42.2	41.8	42.8	46.2	49.1	52.0	54.6
H3	43.0	43.0	43.0	43.0	42.4	41.7	40.5	38.4	39.2	38.4	41.4	41.4
H4	42.9	42.9	42.9	42.9	42.8	42.8	42.7	42.6	42.6	42.6	42.7	44.3
H5	42.9	42.9	42.9	42.9	42.9	42.9	42.8	42.8	42.8	42.8	42.8	44.3
H6	42.9	42.9	42.9	42.9	42.9	42.8	42.8	42.7	42.7	42.7	43.8	46.8
H10	42.9	42.9	42.9	42.9	42.9	42.8	42.8	42.7	42.7	42.7	43.8	46.8
H11	43.0	43.0	43.0	43.0	42.9	42.9	42.8	42.8	42.8	42.8	43.9	46.8
H12	43.0	43.0	43.0	43.0	42.9	42.9	42.8	42.8	42.8	42.8	43.8	46.8
H13	43.0	43.0	43.0	43.0	42.9	42.9	42.8	42.8	42.8	42.8	43.8	46.8
H14	43.0	43.0	43.0	43.0	42.9	42.9	42.9	42.8	42.8	42.8	43.9	46.8
H16	43.0	43.0	43.0	43.0	42.9	42.9	42.8	42.8	42.8	42.8	43.9	46.8
H22	42.9	42.9	42.9	42.9	42.8	42.7	42.7	42.7	42.6	44.0	47.0	50.1
H24	42.6	42.6	42.6	42.6	42.5	42.4	42.4	42.3	42.3	43.8	46.8	50.1
H27	42.8	42.8	42.8	42.8	42.7	42.5	42.3	42.3	42.1	42.1	42.0	42.8
H33	42.9	42.9	42.9	42.9	42.9	42.7	42.7	42.6	42.6	42.6	45.1	48.8
H34	43.0	43.0	43.0	43.0	42.9	42.9	42.8	42.8	42.8	42.8	43.8	46.8
H39	42.9	42.9	42.9	42.9	42.9	42.8	42.7	42.7	42.6	42.6	45.2	48.8
H45	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.1	46.6	50.0
H49	42.9	42.9	42.9	42.9	42.8	42.6	42.6	42.5	42.4	42.4	42.4	43.1
H52	42.7	42.7	42.7	42.7	42.7	42.6	42.5	42.5	42.5	43.9	46.9	50.1
H91	42.5	42.5	42.5	42.5	42.4	42.3	42.2	42.2	42.1	43.6	46.8	50.0

H94	42.9	42.9	42.9	42.9	42.8	42.7	42.6	42.6	42.5	43.9	46.9	50.1
H158	42.9	42.9	42.9	42.9	42.9	42.8	42.8	42.7	42.7	42.7	42.8	44.3
H162	43.0	43.0	43.0	43.0	42.9	42.9	42.9	42.8	42.8	42.8	43.9	46.8
H164	43.0	43.0	43.0	42.9	42.9	42.9	42.8	42.8	42.8	42.8	43.8	46.8
H165	43.0	43.0	43.0	42.9	42.9	42.9	42.8	42.8	42.8	42.8	43.8	46.8
H168	42.7	42.7	42.7	42.6	42.5	42.4	42.4	42.3	42.1	43.6	46.8	50.0
H173	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.1	46.6	49.9
H209	42.8	42.8	42.8	42.8	42.7	42.5	42.3	42.2	42.1	42.1	42.0	42.8
H222	42.9	42.9	42.9	42.9	42.8	42.7	42.7	42.6	42.6	42.6	45.1	48.8
H224	42.9	42.9	42.9	42.9	42.8	42.7	42.6	42.6	42.5	42.5	42.5	43.2

Table 11: The $dBL_{A90,10min}$ Wind Farm Noise Level Between 23:00 and 07:00 hours for the 300 Degree Direction Sector

House ID	Standardised 10m Wind Speed, ms^{-1}											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	42.6	42.6	42.6	42.5	42.1	40.8	38.9	40.0	45.0	48.7	52.0	54.9
H2	42.8	42.8	42.8	42.8	42.6	42.3	42.0	43.0	46.2	49.2	52.0	54.6
H3	43.0	43.0	43.0	43.0	42.4	41.6	40.5	38.3	39.1	38.2	41.3	41.3
H4	42.9	42.9	42.9	42.8	42.8	42.7	42.6	42.5	42.5	42.5	42.6	44.2
H5	42.9	42.9	42.9	42.9	42.9	42.8	42.7	42.7	42.7	42.7	42.7	44.3
H6	42.9	42.9	42.9	42.9	42.8	42.7	42.6	42.5	42.5	42.5	43.6	46.7
H10	42.9	42.9	42.9	42.9	42.8	42.7	42.6	42.5	42.5	42.5	43.6	46.7
H11	42.9	42.9	42.9	42.9	42.9	42.8	42.7	42.6	42.6	42.6	43.7	46.8
H12	42.9	42.9	42.9	42.9	42.9	42.8	42.7	42.6	42.6	42.6	43.7	46.8
H13	42.9	42.9	42.9	42.9	42.9	42.8	42.7	42.6	42.6	42.6	43.7	46.7
H14	42.9	42.9	42.9	42.9	42.9	42.8	42.7	42.7	42.7	42.7	43.7	46.8
H16	42.9	42.9	42.9	42.9	42.9	42.8	42.7	42.6	42.6	42.6	43.7	46.7
H22	42.9	42.9	42.9	42.8	42.7	42.6	42.5	42.4	42.4	43.8	46.8	50.1
H24	42.5	42.5	42.5	42.5	42.5	42.3	42.2	42.1	42.0	43.6	46.7	50.0
H27	42.8	42.8	42.8	42.8	42.7	42.5	42.3	42.3	42.1	42.1	42.0	42.8
H33	42.9	42.9	42.9	42.9	42.8	42.7	42.7	42.6	42.6	42.6	45.1	48.8
H34	42.9	42.9	42.9	42.9	42.9	42.8	42.7	42.6	42.6	42.6	43.7	46.7
H39	42.9	42.9	42.9	42.9	42.9	42.8	42.7	42.7	42.6	42.6	45.2	48.8
H45	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	46.4	49.9
H49	42.9	42.9	42.9	42.9	42.8	42.6	42.6	42.5	42.4	42.4	42.4	43.1
H52	42.7	42.7	42.7	42.7	42.7	42.6	42.5	42.5	42.4	43.9	46.9	50.1
H91	42.5	42.5	42.5	42.4	42.4	42.2	42.1	42.1	42.0	43.6	46.7	50.0
H94	42.8	42.8	42.8	42.8	42.6	42.3	42.2	42.1	41.9	43.5	46.7	50.0
H158	42.9	42.9	42.9	42.9	42.8	42.8	42.7	42.6	42.6	42.6	42.7	44.3
H162	42.9	42.9	42.9	42.9	42.9	42.8	42.7	42.7	42.7	42.7	43.8	46.8
H164	42.9	42.9	42.9	42.9	42.8	42.7	42.6	42.6	42.6	42.5	43.7	46.7
H165	42.9	42.9	42.9	42.9	42.8	42.7	42.6	42.6	42.6	42.6	43.7	46.7
H168	42.7	42.7	42.6	42.5	42.4	42.2	42.1	41.9	41.8	43.3	46.6	50.0
H173	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	46.4	49.9
H209	42.8	42.8	42.8	42.8	42.7	42.5	42.3	42.2	42.1	42.1	42.0	42.8

H222	42.9	42.9	42.9	42.9	42.8	42.7	42.7	42.6	42.6	42.6	45.1	48.8
H224	42.9	42.9	42.9	42.9	42.8	42.7	42.6	42.6	42.5	42.5	42.5	43.2

Table 12: The $dBL_{A90,10min}$ Wind Farm Noise Level Between 23:00 and 07:00 hours for the 330 Degree Direction Sector

House ID	Standardised 10m Wind Speed, ms^{-1}											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	42.6	42.6	42.6	42.5	42.1	40.7	40.1	39.9	44.9	48.7	51.9	54.9
H2	42.8	42.8	42.8	42.8	42.6	42.2	42.1	42.9	46.2	49.1	52.0	54.6
H3	43.0	43.0	43.0	43.0	42.3	41.4	40.4	37.5	38.5	37.4	41.0	41.0
H4	42.8	42.8	42.8	42.7	42.6	42.4	42.3	42.1	42.1	42.1	42.2	44.0
H5	42.8	42.8	42.8	42.8	42.7	42.5	42.4	42.2	42.2	42.2	42.3	44.0
H6	42.9	42.9	42.9	42.8	42.7	42.4	42.3	42.0	42.0	42.0	43.2	46.5
H10	42.9	42.9	42.9	42.8	42.7	42.4	42.2	41.9	41.9	41.9	43.1	46.5
H11	42.9	42.9	42.9	42.9	42.8	42.5	42.4	42.1	42.1	42.1	43.3	46.5
H12	42.9	42.9	42.9	42.9	42.8	42.5	42.4	42.1	42.1	42.1	43.3	46.5
H13	42.9	42.9	42.9	42.9	42.8	42.4	42.3	42.0	42.0	42.0	43.2	46.5
H14	42.9	42.9	42.9	42.9	42.8	42.5	42.4	42.2	42.2	42.2	43.4	46.6
H16	42.9	42.9	42.9	42.9	42.8	42.4	42.3	42.0	42.0	42.0	43.2	46.5
H22	42.8	42.8	42.8	42.8	42.7	42.5	42.4	42.3	42.2	43.7	46.8	50.0
H24	42.5	42.5	42.5	42.5	42.5	42.3	42.2	42.1	42.0	43.6	46.7	50.0
H27	42.8	42.8	42.8	42.8	42.7	42.5	42.4	42.3	42.1	42.1	42.1	42.8
H33	42.9	42.9	42.9	42.9	42.9	42.7	42.7	42.6	42.6	42.6	45.1	48.8
H34	42.9	42.9	42.9	42.9	42.8	42.5	42.4	42.1	42.1	42.1	43.3	46.5
H39	42.9	42.9	42.9	42.9	42.9	42.8	42.7	42.7	42.6	42.6	45.2	48.8
H45	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.6	46.3	49.8
H49	42.9	42.9	42.9	42.9	42.8	42.6	42.6	42.5	42.4	42.4	42.4	43.1
H52	42.7	42.7	42.7	42.7	42.7	42.6	42.5	42.5	42.4	43.9	46.9	50.1
H91	42.5	42.5	42.5	42.4	42.4	42.2	42.1	42.1	42.0	43.6	46.7	50.0
H94	42.8	42.8	42.8	42.8	42.6	42.3	42.2	42.0	41.9	43.5	46.7	50.0
H158	42.8	42.8	42.8	42.8	42.7	42.5	42.5	42.3	42.3	42.3	42.4	44.1
H162	42.9	42.9	42.9	42.9	42.8	42.6	42.5	42.3	42.3	42.3	43.5	46.6
H164	42.9	42.9	42.9	42.8	42.7	42.5	42.4	42.1	42.1	42.1	43.3	46.6
H165	42.9	42.9	42.9	42.8	42.7	42.5	42.4	42.1	42.1	42.1	43.3	46.6
H168	42.6	42.6	42.6	42.5	42.3	42.0	41.9	41.7	41.5	43.2	46.5	49.9
H173	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.6	46.2	49.8
H209	42.8	42.8	42.8	42.8	42.7	42.5	42.4	42.3	42.1	42.1	42.0	42.8
H222	42.9	42.9	42.9	42.9	42.8	42.7	42.7	42.6	42.6	42.6	45.1	48.8
H224	42.9	42.9	42.9	42.9	42.8	42.7	42.7	42.6	42.5	42.5	42.5	43.2

Table 13: The $dBL_{A90,10min}$ Wind Farm Noise Level at other times for the 0 Degree Direction Sector

House ID	Standardised 10m Wind Speed, ms^{-1}											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	35.0	35.0	35.0	34.5	31.9	32.8	40.0	42.9	46.7	49.8	52.5	55.2
H2	35.0	35.0	35.0	35.0	35.3	37.0	40.8	43.5	46.7	49.6	52.4	55.3
H3	35.0	35.0	35.0	35.0	35.0	35.5	37.0	35.0	36.1	35.0	39.8	43.3

H4	35.0	35.0	35.0	35.0	35.0	32.8	31.3	32.3	38.5	41.5	43.9	45.8
H5	35.0	35.0	35.0	35.0	35.0	33.4	32.2	33.0	38.6	41.6	43.9	45.8
H6	35.0	35.5	36.3	36.6	35.9	32.8	31.3	28.1	34.3	40.6	46.2	46.1
H10	35.0	35.5	36.3	36.6	36.0	33.4	32.2	28.0	35.1	40.8	46.2	46.2
H11	35.0	35.5	36.3	36.6	36.3	34.4	33.7	31.7	36.3	41.2	46.3	46.3
H12	35.0	35.5	36.3	36.6	36.2	34.3	33.5	31.3	36.2	41.1	46.3	46.3
H13	35.0	35.5	36.3	36.6	36.2	34.0	33.2	30.4	35.9	41.0	46.3	46.2
H14	35.0	35.5	36.3	36.6	36.4	34.7	34.1	32.7	36.7	41.3	46.3	46.3
H16	35.0	35.5	36.3	36.6	36.2	34.0	33.1	30.2	35.8	41.0	46.3	46.2
H22	35.0	35.0	35.3	36.5	36.5	37.6	39.4	41.6	44.3	47.6	51.5	51.5
H24	35.0	35.0	35.3	35.6	35.6	37.0	39.0	41.4	44.2	47.6	51.5	51.5
H27	35.0	35.0	35.0	35.0	35.0	35.0	34.9	34.0	33.9	38.7	42.5	42.5
H33	35.0	35.0	35.0	35.0	35.0	35.0	35.2	36.2	39.7	43.9	48.6	48.6
H34	35.0	35.5	36.3	36.6	36.2	34.1	33.3	31.2	36.1	41.1	46.3	46.3
H39	35.0	35.0	35.0	35.0	35.0	35.0	35.2	36.3	39.8	43.9	48.6	48.6
H45	35.0	35.0	35.3	36.5	37.7	39.0	40.5	42.4	43.7	47.2	51.3	51.3
H49	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.4	35.5	39.3	42.8	42.8
H52	35.0	35.0	35.3	36.5	36.5	37.9	39.7	41.8	44.4	47.7	51.5	51.5
H91	35.0	35.0	35.2	35.1	35.2	36.7	38.9	41.3	44.1	47.6	51.5	51.5
H94	35.0	35.0	35.3	36.5	36.1	37.0	39.0	41.3	44.1	47.6	51.4	51.4
H158	35.0	35.0	35.0	35.0	35.0	33.7	32.7	33.8	38.8	41.7	44.0	45.9
H162	35.0	35.5	36.3	36.6	36.3	34.6	33.9	32.0	36.5	41.2	46.3	46.3
H164	35.0	35.5	36.3	36.6	36.0	33.4	32.4	28.0	35.2	40.8	46.2	46.2
H165	35.0	35.5	36.3	36.6	36.0	33.4	32.3	28.0	35.1	40.8	46.2	46.2
H168	35.0	35.0	35.3	35.3	34.7	35.9	38.4	40.9	43.9	47.4	51.4	51.4
H173	35.0	35.0	35.3	36.5	37.7	39.0	40.5	42.4	43.7	47.2	51.3	51.3
H209	35.0	35.0	35.0	35.0	35.0	35.0	34.9	33.9	33.8	38.6	42.5	42.4
H222	35.0	35.0	35.0	35.0	35.0	35.0	35.2	36.1	39.7	43.9	48.6	48.6
H224	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.5	35.9	39.5	42.9	42.9

Table 14: The dBL_{A90,10min} Wind Farm Noise Level at other times for the 30 Degree Direction Sector

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	35.0	35.0	35.0	33.8	31.5	32.3	38.8	42.2	46.3	49.6	52.4	55.1
H2	35.0	35.0	35.0	35.0	34.4	35.5	39.6	42.6	46.3	49.4	52.3	55.2
H3	35.0	35.0	35.0	35.0	35.0	35.5	37.0	35.0	35.0	35.1	37.9	42.6
H4	35.0	35.0	35.0	35.0	35.0	31.9	27.5	29.0	37.3	41.0	43.6	45.6
H5	35.0	35.0	35.0	35.0	35.0	33.0	29.6	31.1	37.9	41.2	43.7	45.6
H6	35.0	35.5	36.3	36.3	35.6	32.5	27.9	28.5	32.3	40.2	46.0	46.0
H10	35.0	35.5	36.3	36.5	35.8	33.1	30.1	28.0	33.7	40.5	46.1	46.1
H11	35.0	35.5	36.3	36.6	36.1	34.2	32.6	30.3	35.5	40.9	46.2	46.2
H12	35.0	35.5	36.3	36.6	36.0	34.1	32.3	29.7	35.3	40.9	46.2	46.2
H13	35.0	35.5	36.3	36.6	36.0	33.8	31.8	28.3	34.9	40.8	46.2	46.1
H14	35.0	35.5	36.3	36.6	36.2	34.6	33.2	31.8	36.0	41.1	46.3	46.2

H16	35.0	35.5	36.3	36.6	36.1	34.2	32.4	29.5	35.3	40.9	46.2	46.2
H22	35.0	35.0	35.3	36.5	36.5	37.6	39.4	41.6	44.3	47.6	51.5	51.5
H24	35.0	35.0	35.3	35.6	35.6	37.0	39.0	41.4	44.2	47.6	51.5	51.5
H27	35.0	35.0	35.0	35.0	35.0	35.0	35.0	34.2	34.0	38.7	42.6	42.5
H33	35.0	35.0	35.0	35.0	35.0	35.0	35.2	36.9	40.1	44.0	48.6	48.6
H34	35.0	35.5	36.3	36.6	36.0	34.1	32.5	30.3	35.4	40.9	46.2	46.2
H39	35.0	35.0	35.0	35.0	35.0	35.0	35.2	36.8	40.0	44.0	48.6	48.6
H45	35.0	35.0	35.3	36.5	37.7	39.0	40.5	42.4	43.7	47.2	51.3	51.3
H49	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.5	35.5	39.3	42.8	42.8
H52	35.0	35.0	35.3	36.5	36.6	38.0	39.7	41.8	44.4	47.7	51.5	51.5
H91	35.0	35.0	35.2	35.1	35.2	36.8	38.9	41.3	44.1	47.6	51.5	51.5
H94	35.0	35.0	35.3	36.5	36.2	37.1	39.0	41.3	44.1	47.6	51.4	51.4
H158	35.0	35.0	35.0	35.0	35.0	32.8	29.1	30.7	37.8	41.2	43.7	45.6
H162	35.0	35.5	36.3	36.6	36.1	34.4	32.8	30.5	35.6	41.0	46.2	46.2
H164	35.0	35.5	36.3	36.4	35.8	33.2	30.1	28.1	33.7	40.5	46.1	46.1
H165	35.0	35.5	36.3	36.4	35.7	33.1	29.9	28.1	33.6	40.4	46.1	46.1
H168	35.0	35.0	35.3	35.3	34.7	36.0	38.4	40.9	43.9	47.4	51.4	51.4
H173	35.0	35.0	35.3	36.5	37.7	39.0	40.5	42.4	43.7	47.2	51.3	51.3
H209	35.0	35.0	35.0	35.0	35.0	35.0	34.9	34.1	33.8	38.7	42.5	42.4
H222	35.0	35.0	35.0	35.0	35.0	35.0	35.2	36.8	40.1	44.0	48.6	48.6
H224	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.5	36.0	39.5	42.9	42.9

Table 15: The dBL_{A90,10min} Wind Farm Noise Level at other times for the 60 Degree Direction Sector

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	34.5	34.5	34.5	32.9	30.4	30.9	37.5	41.3	46.0	49.5	52.4	55.1
H2	35.0	35.0	35.0	34.7	33.5	34.5	38.7	42.0	46.0	49.3	52.2	55.2
H3	35.0	35.0	35.0	35.0	35.0	35.5	37.0	35.0	35.0	35.2	37.5	42.4
H4	35.0	35.0	35.0	35.0	35.0	32.2	27.5	29.0	37.2	40.9	43.5	45.6
H5	35.0	35.0	35.0	35.0	35.0	33.3	29.3	30.9	37.8	41.2	43.6	45.6
H6	35.0	35.5	36.3	36.3	35.7	33.0	27.8	28.5	32.2	40.2	46.0	46.0
H10	35.0	35.5	36.3	36.4	35.8	33.4	30.0	28.0	33.7	40.5	46.1	46.1
H11	35.0	35.5	36.3	36.6	36.1	34.4	32.4	30.0	35.4	40.9	46.2	46.2
H12	35.0	35.5	36.3	36.6	36.0	34.2	32.1	29.3	35.2	40.8	46.2	46.2
H13	35.0	35.5	36.3	36.5	36.0	34.0	31.6	28.0	34.8	40.7	46.2	46.1
H14	35.0	35.5	36.3	36.6	36.2	34.7	33.1	31.6	36.0	41.1	46.3	46.2
H16	35.0	35.5	36.3	36.6	36.2	34.4	32.3	29.2	35.2	40.8	46.2	46.2
H22	35.0	35.0	35.3	36.5	36.7	37.8	39.5	41.7	44.3	47.7	51.5	51.5
H24	35.0	35.0	35.3	35.6	35.7	37.1	39.1	41.4	44.2	47.6	51.5	51.5
H27	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.5	36.1	39.6	43.0	42.9
H33	35.0	35.0	35.0	35.0	35.0	35.0	35.2	37.4	40.4	44.1	48.7	48.7
H34	35.0	35.5	36.3	36.6	36.0	34.3	32.3	30.0	35.3	40.9	46.2	46.2
H39	35.0	35.0	35.0	35.0	35.0	35.0	35.2	37.3	40.3	44.1	48.7	48.7
H45	35.0	35.0	35.3	36.5	37.7	39.0	40.5	42.4	43.7	47.3	51.3	51.3

H49	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.5	36.8	39.9	43.1	43.1
H52	35.0	35.0	35.3	36.5	36.7	38.0	39.7	41.9	44.5	47.7	51.5	51.5
H91	35.0	35.0	35.2	35.2	35.3	36.8	38.9	41.3	44.2	47.6	51.5	51.5
H94	35.0	35.0	35.3	36.5	36.3	37.3	39.1	41.4	44.1	47.6	51.5	51.4
H158	35.0	35.0	35.0	35.0	35.0	33.0	28.3	30.1	37.7	41.1	43.6	45.6
H162	35.0	35.5	36.3	36.6	36.2	34.6	32.7	30.3	35.6	40.9	46.2	46.2
H164	35.0	35.5	36.3	36.4	35.8	33.5	29.9	28.1	33.6	40.4	46.1	46.1
H165	35.0	35.5	36.3	36.4	35.8	33.4	29.7	28.2	33.4	40.4	46.1	46.1
H168	35.0	35.0	35.3	35.2	34.7	36.0	38.4	40.9	43.9	47.4	51.4	51.4
H173	35.0	35.0	35.3	36.5	37.7	39.0	40.5	42.4	43.7	47.2	51.3	51.3
H209	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.5	36.1	39.5	43.0	42.9
H222	35.0	35.0	35.0	35.0	35.0	35.0	35.2	37.3	40.3	44.1	48.7	48.7
H224	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.5	36.9	39.9	43.1	43.1

Table 16: The dBL_{A90,10min} Wind Farm Noise Level at other times for the 90 Degree Direction Sector

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	34.1	34.1	34.1	32.3	28.9	30.3	37.1	41.2	45.9	49.5	52.3	55.1
H2	34.9	34.9	34.9	34.1	32.5	33.6	38.3	41.8	45.9	49.2	52.2	55.2
H3	35.0	35.0	35.0	35.0	35.0	35.5	37.0	35.1	35.0	35.2	37.4	42.4
H4	35.0	35.0	35.0	35.0	35.0	32.1	27.5	29.0	37.1	40.9	43.5	45.5
H5	35.0	35.0	35.0	35.0	35.0	33.2	29.0	30.7	37.7	41.2	43.6	45.6
H6	35.0	35.5	36.3	36.2	35.6	32.8	27.5	28.5	32.0	40.2	46.0	46.0
H10	35.0	35.5	36.3	36.4	35.8	33.4	29.8	28.0	33.6	40.5	46.1	46.0
H11	35.0	35.5	36.3	36.6	36.0	34.3	32.3	29.7	35.3	40.9	46.2	46.2
H12	35.0	35.5	36.3	36.5	36.0	34.1	32.0	28.9	35.1	40.8	46.2	46.2
H13	35.0	35.5	36.3	36.5	35.9	33.9	31.4	28.0	34.7	40.7	46.2	46.1
H14	35.0	35.5	36.3	36.6	36.2	34.6	33.0	31.5	35.9	41.0	46.3	46.2
H16	35.0	35.5	36.3	36.6	36.1	34.3	32.1	28.9	35.1	40.8	46.2	46.2
H22	35.0	35.0	35.3	36.5	36.9	38.0	39.7	41.8	44.4	47.7	51.5	51.5
H24	35.0	35.0	35.3	35.8	35.9	37.5	39.4	41.7	44.3	47.7	51.5	51.5
H27	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.5	37.3	40.1	43.2	43.2
H33	35.0	35.0	35.0	35.0	35.0	35.0	35.2	37.5	40.4	44.2	48.7	48.7
H34	35.0	35.5	36.3	36.5	36.0	34.2	32.1	29.7	35.3	40.9	46.2	46.2
H39	35.0	35.0	35.0	35.0	35.0	35.0	35.2	37.5	40.4	44.2	48.7	48.7
H45	35.0	35.0	35.3	36.5	37.7	39.0	40.5	42.4	43.8	47.3	51.3	51.3
H49	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.5	37.4	40.2	43.3	43.3
H52	35.0	35.0	35.3	36.5	37.0	38.4	40.0	42.1	44.6	47.8	51.6	51.6
H91	35.0	35.0	35.3	35.4	35.7	37.4	39.3	41.6	44.3	47.7	51.5	51.5
H94	35.0	35.0	35.3	36.5	36.5	37.5	39.3	41.5	44.2	47.6	51.5	51.5
H158	35.0	35.0	35.0	35.0	35.0	32.9	28.1	30.0	37.7	41.1	43.6	45.6
H162	35.0	35.5	36.3	36.6	36.1	34.5	32.6	30.1	35.5	40.9	46.2	46.2
H164	35.0	35.5	36.3	36.4	35.8	33.4	29.7	28.1	33.5	40.4	46.1	46.1
H165	35.0	35.5	36.3	36.3	35.7	33.4	29.5	28.2	33.3	40.4	46.1	46.1

H168	35.0	35.0	35.3	35.3	34.7	36.0	38.4	40.9	43.9	47.4	51.4	51.4
H173	35.0	35.0	35.3	36.5	37.7	39.0	40.5	42.4	43.8	47.3	51.3	51.3
H209	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.5	37.2	40.1	43.2	43.2
H222	35.0	35.0	35.0	35.0	35.0	35.0	35.2	37.5	40.4	44.2	48.7	48.7
H224	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.5	37.5	40.2	43.3	43.3

Table 17: The $dBL_{A90,10min}$ Wind Farm Noise Level at other times for the 120 Degree Direction Sector

House ID	Standardised 10m Wind Speed, ms^{-1}											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	33.5	33.5	33.5	31.3	27.5	30.3	36.6	40.9	45.9	49.4	52.3	55.1
H2	34.9	34.9	34.9	34.1	32.5	33.6	38.3	41.8	45.9	49.2	52.2	55.2
H3	35.0	35.0	35.0	35.0	35.0	35.5	37.0	35.1	35.0	35.2	37.4	42.4
H4	35.0	35.0	35.0	35.0	35.0	32.1	27.5	29.0	37.1	40.9	43.5	45.5
H5	35.0	35.0	35.0	35.0	35.0	33.2	29.0	30.7	37.7	41.2	43.6	45.6
H6	35.0	35.5	36.3	36.5	36.0	33.6	29.7	28.2	33.1	40.4	46.1	46.0
H10	35.0	35.5	36.3	36.5	35.9	33.8	31.0	28.0	34.3	40.6	46.1	46.1
H11	35.0	35.5	36.3	36.6	36.2	34.6	32.8	30.7	35.6	41.0	46.2	46.2
H12	35.0	35.5	36.3	36.6	36.1	34.4	32.5	30.1	35.4	40.9	46.2	46.2
H13	35.0	35.5	36.3	36.6	36.1	34.2	32.0	28.7	35.0	40.8	46.2	46.1
H14	35.0	35.5	36.3	36.6	36.3	34.8	33.4	32.0	36.1	41.1	46.3	46.2
H16	35.0	35.5	36.3	36.6	36.2	34.5	32.5	29.8	35.3	40.9	46.2	46.2
H22	35.0	35.0	35.3	36.5	37.2	38.4	40.0	42.0	44.6	47.8	51.5	51.5
H24	35.0	35.0	35.3	36.0	36.3	37.9	39.7	41.9	44.5	47.8	51.5	51.5
H27	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.5	37.5	40.2	43.3	43.3
H33	35.0	35.0	35.0	35.0	35.0	35.0	35.2	37.5	40.4	44.2	48.7	48.7
H34	35.0	35.5	36.3	36.6	36.1	34.5	32.8	31.1	35.7	41.0	46.2	46.2
H39	35.0	35.0	35.0	35.0	35.0	35.0	35.2	37.5	40.4	44.2	48.7	48.7
H45	35.0	35.0	35.3	36.5	37.7	39.0	40.5	42.4	44.1	47.4	51.4	51.4
H49	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.5	37.6	40.3	43.3	43.3
H52	35.0	35.0	35.3	36.5	37.1	38.5	40.1	42.2	44.7	47.8	51.6	51.6
H91	35.0	35.0	35.3	35.6	36.0	37.7	39.6	41.8	44.5	47.7	51.5	51.5
H94	35.0	35.0	35.3	36.5	37.2	38.4	40.0	42.1	44.6	47.8	51.5	51.5
H158	35.0	35.0	35.0	35.0	35.0	32.9	28.1	30.0	37.7	41.1	43.6	45.6
H162	35.0	35.5	36.3	36.6	36.3	34.7	33.0	30.9	35.7	41.0	46.2	46.2
H164	35.0	35.5	36.3	36.6	36.1	34.1	31.2	28.0	34.3	40.6	46.1	46.1
H165	35.0	35.5	36.3	36.6	36.1	34.0	31.0	28.0	34.1	40.6	46.1	46.1
H168	35.0	35.0	35.3	35.7	35.4	36.7	38.9	41.3	44.1	47.5	51.4	51.4
H173	35.0	35.0	35.3	36.5	37.7	39.0	40.5	42.4	44.1	47.4	51.4	51.4
H209	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.5	37.5	40.2	43.3	43.3
H222	35.0	35.0	35.0	35.0	35.0	35.0	35.2	37.5	40.4	44.2	48.7	48.7
H224	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.5	37.6	40.3	43.3	43.3

Table 18: The $dBL_{A90,10min}$ Wind Farm Noise Level at other times for the 150 Degree Direction Sector

House ID	Standardised 10m Wind Speed, ms^{-1}											
	1	2	3	4	5	6	7	8	9	10	11	12

H1	33.5	33.5	33.5	31.3	27.5	30.3	36.6	40.9	45.9	49.4	52.3	55.1
H2	34.9	34.9	34.9	34.1	32.5	33.6	38.3	41.8	45.9	49.2	52.2	55.2
H3	35.0	35.0	35.0	35.0	35.0	35.5	37.0	35.0	35.0	35.2	37.5	42.4
H4	35.0	35.0	35.0	35.0	35.0	33.1	28.8	30.5	37.8	41.2	43.7	45.6
H5	35.0	35.0	35.0	35.0	35.0	34.4	32.1	33.5	38.5	41.5	43.8	45.7
H6	35.0	35.5	36.3	36.6	36.3	34.7	32.8	30.7	35.6	41.0	46.2	46.2
H10	35.0	35.5	36.3	36.6	36.2	35.0	34.0	33.7	36.9	41.4	46.3	46.3
H11	35.0	35.5	36.3	36.6	36.5	35.6	34.9	34.8	37.5	41.6	46.4	46.4
H12	35.0	35.5	36.3	36.6	36.4	35.5	34.7	34.6	37.4	41.6	46.4	46.4
H13	35.0	35.5	36.3	36.6	36.4	35.3	34.5	34.4	37.2	41.5	46.4	46.4
H14	35.0	35.5	36.3	36.6	36.5	35.7	35.1	35.1	37.6	41.7	46.4	46.4
H16	35.0	35.5	36.3	36.6	36.5	35.6	34.9	34.9	37.5	41.6	46.4	46.4
H22	35.0	35.0	35.3	36.5	37.5	38.8	40.3	42.3	44.7	47.9	51.6	51.6
H24	35.0	35.0	35.3	36.1	36.4	38.0	39.8	42.0	44.5	47.8	51.5	51.5
H27	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.5	37.5	40.2	43.3	43.3
H33	35.0	35.0	35.0	35.0	35.0	35.0	35.2	37.4	40.4	44.2	48.7	48.7
H34	35.0	35.5	36.3	36.6	36.4	35.4	34.7	34.6	37.4	41.5	46.4	46.4
H39	35.0	35.0	35.0	35.0	35.0	35.0	35.2	37.5	40.4	44.2	48.7	48.7
H45	35.0	35.0	35.3	36.5	37.7	39.0	40.5	42.4	44.4	47.6	51.5	51.5
H49	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.5	37.6	40.3	43.3	43.3
H52	35.0	35.0	35.3	36.5	37.1	38.5	40.2	42.2	44.7	47.8	51.6	51.6
H91	35.0	35.0	35.3	35.7	36.1	37.8	39.6	41.9	44.5	47.7	51.5	51.5
H94	35.0	35.0	35.3	36.5	37.4	38.7	40.3	42.2	44.7	47.8	51.6	51.6
H158	35.0	35.0	35.0	35.0	35.0	33.8	30.9	32.5	38.2	41.4	43.8	45.7
H162	35.0	35.5	36.3	36.6	36.5	35.5	34.5	33.9	37.0	41.4	46.4	46.4
H164	35.0	35.5	36.3	36.6	36.4	35.0	33.5	32.2	36.2	41.1	46.3	46.3
H165	35.0	35.5	36.3	36.6	36.3	34.9	33.4	32.0	36.1	41.1	46.3	46.2
H168	35.0	35.0	35.3	36.2	36.1	37.5	39.4	41.6	44.3	47.6	51.5	51.5
H173	35.0	35.0	35.3	36.5	37.7	39.0	40.5	42.4	44.4	47.6	51.5	51.5
H209	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.5	37.5	40.2	43.3	43.3
H222	35.0	35.0	35.0	35.0	35.0	35.0	35.2	37.4	40.4	44.2	48.7	48.7
H224	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.5	37.6	40.3	43.4	43.3

Table 19: The $dB_{LA90,10min}$ Wind Farm Noise Level at other times for the 180 Degree Direction Sector

House ID	Standardised 10m Wind Speed, ms^{-1}											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	34.4	34.4	34.4	32.8	29.4	30.3	33.0	40.8	46.0	49.5	52.4	55.1
H2	35.0	35.0	35.0	34.6	33.2	34.1	37.2	41.7	46.0	49.3	52.2	55.2
H3	35.0	35.0	35.0	35.0	35.0	35.5	37.0	35.0	35.0	35.0	38.8	42.9
H4	35.0	35.0	35.0	35.0	35.0	35.1	33.1	35.4	39.3	42.0	44.1	45.9
H5	35.0	35.0	35.0	35.0	35.0	35.5	34.8	36.8	39.9	42.3	44.3	46.0
H6	35.0	35.5	36.3	36.6	36.6	35.9	35.1	35.4	37.9	41.8	46.5	46.5
H10	35.0	35.5	36.3	36.6	36.6	36.1	35.7	36.1	38.3	41.9	46.5	46.5
H11	35.0	35.5	36.3	36.6	36.6	36.4	36.1	36.5	38.6	42.1	46.6	46.6

H12	35.0	35.5	36.3	36.6	36.6	36.4	36.0	36.4	38.5	42.0	46.6	46.6
H13	35.0	35.5	36.3	36.6	36.6	36.3	35.9	36.3	38.5	42.0	46.6	46.6
H14	35.0	35.5	36.3	36.6	36.6	36.6	36.3	36.7	38.7	42.1	46.6	46.6
H16	35.0	35.5	36.3	36.6	36.6	36.6	36.3	36.7	38.8	42.1	46.6	46.6
H22	35.0	35.0	35.3	36.5	37.5	38.8	40.4	42.3	44.7	47.9	51.6	51.6
H24	35.0	35.0	35.3	36.1	36.4	38.0	39.8	42.0	44.6	47.8	51.5	51.5
H27	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.5	37.4	40.2	43.3	43.3
H33	35.0	35.0	35.0	35.0	35.0	35.0	35.2	37.3	40.3	44.1	48.7	48.7
H34	35.0	35.5	36.3	36.6	36.6	36.5	36.2	36.6	38.7	42.1	46.6	46.6
H39	35.0	35.0	35.0	35.0	35.0	35.0	35.2	37.4	40.4	44.1	48.7	48.7
H45	35.0	35.0	35.3	36.5	37.7	39.0	40.5	42.4	44.5	47.6	51.5	51.5
H49	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.5	37.5	40.3	43.3	43.3
H52	35.0	35.0	35.3	36.5	37.1	38.5	40.2	42.2	44.7	47.8	51.6	51.6
H91	35.0	35.0	35.3	35.7	36.1	37.8	39.6	41.9	44.5	47.8	51.5	51.5
H94	35.0	35.0	35.3	36.5	37.5	38.8	40.3	42.3	44.7	47.9	51.6	51.6
H158	35.0	35.0	35.0	35.0	35.0	35.4	33.9	36.0	39.6	42.1	44.2	46.0
H162	35.0	35.5	36.3	36.6	36.6	36.4	35.9	36.2	38.5	42.0	46.6	46.6
H164	35.0	35.5	36.3	36.6	36.6	36.1	35.4	35.7	38.1	41.9	46.5	46.5
H165	35.0	35.5	36.3	36.6	36.6	36.1	35.4	35.7	38.1	41.8	46.5	46.5
H168	35.0	35.0	35.3	36.4	36.3	37.7	39.6	41.8	44.4	47.7	51.5	51.5
H173	35.0	35.0	35.3	36.5	37.7	39.0	40.5	42.4	44.5	47.6	51.5	51.5
H209	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.5	37.4	40.2	43.3	43.3
H222	35.0	35.0	35.0	35.0	35.0	35.0	35.2	37.3	40.3	44.1	48.7	48.7
H224	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.5	37.6	40.3	43.3	43.3
H224	34.4	34.4	34.4	32.8	29.4	30.3	33.0	40.8	46.0	49.5	52.4	55.1

Table 20: The $dB_{LA90,10min}$ Wind Farm Noise Level at other times for the 210 Degree Direction Sector

House ID	Standardised 10m Wind Speed, ms^{-1}											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	34.9	34.9	34.9	33.7	30.4	30.6	33.0	41.8	46.3	49.6	52.4	55.1
H2	35.0	35.0	35.0	35.0	34.1	35.7	38.5	42.8	46.4	49.5	52.3	55.3
H3	35.0	35.0	35.0	35.0	35.0	35.5	37.0	36.8	37.9	36.6	40.6	43.7
H4	35.0	35.0	35.0	35.0	35.0	35.5	35.5	37.5	40.3	42.5	44.5	46.2
H5	35.0	35.0	35.0	35.0	35.0	35.5	36.3	38.1	40.7	42.7	44.6	46.2
H6	35.0	35.5	36.3	36.6	36.6	36.7	36.4	36.9	39.0	42.2	46.7	46.7
H10	35.0	35.5	36.3	36.6	36.6	36.7	36.6	37.1	39.1	42.3	46.7	46.7
H11	35.0	35.5	36.3	36.6	36.6	36.7	36.8	37.3	39.2	42.3	46.7	46.7
H12	35.0	35.5	36.3	36.6	36.6	36.7	36.7	37.3	39.2	42.3	46.7	46.7
H13	35.0	35.5	36.3	36.6	36.6	36.7	36.7	37.2	39.1	42.3	46.7	46.7
H14	35.0	35.5	36.3	36.6	36.6	36.7	36.9	37.4	39.3	42.4	46.7	46.7
H16	35.0	35.5	36.3	36.6	36.6	36.7	36.8	37.4	39.2	42.4	46.7	46.7
H22	35.0	35.0	35.3	36.5	37.5	38.8	40.3	42.3	44.7	47.9	51.6	51.6
H24	35.0	35.0	35.3	36.1	36.4	38.0	39.8	42.0	44.5	47.8	51.5	51.5
H27	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.5	37.0	40.0	43.2	43.2

H33	35.0	35.0	35.0	35.0	35.0	35.0	35.2	36.5	39.9	43.9	48.6	48.6
H34	35.0	35.5	36.3	36.6	36.6	36.7	36.8	37.3	39.2	42.3	46.7	46.7
H39	35.0	35.0	35.0	35.0	35.0	35.0	35.2	36.9	40.1	44.0	48.6	48.6
H45	35.0	35.0	35.3	36.5	37.7	39.0	40.5	42.4	44.4	47.6	51.5	51.5
H49	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.5	37.3	40.1	43.2	43.2
H52	35.0	35.0	35.3	36.5	37.0	38.4	40.1	42.1	44.6	47.8	51.6	51.6
H91	35.0	35.0	35.3	35.6	36.0	37.7	39.6	41.8	44.5	47.7	51.5	51.5
H94	35.0	35.0	35.3	36.5	37.4	38.7	40.3	42.2	44.7	47.9	51.6	51.6
H158	35.0	35.0	35.0	35.0	35.0	35.5	36.0	37.8	40.5	42.7	44.5	46.2
H162	35.0	35.5	36.3	36.6	36.6	36.7	36.8	37.3	39.2	42.3	46.7	46.7
H164	35.0	35.5	36.3	36.6	36.6	36.7	36.6	37.1	39.0	42.3	46.7	46.7
H165	35.0	35.5	36.3	36.6	36.6	36.7	36.5	37.1	39.0	42.3	46.7	46.7
H168	35.0	35.0	35.3	36.4	36.3	37.8	39.6	41.8	44.4	47.7	51.5	51.5
H173	35.0	35.0	35.3	36.5	37.7	39.0	40.5	42.4	44.4	47.6	51.5	51.5
H209	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.5	37.0	40.0	43.2	43.2
H222	35.0	35.0	35.0	35.0	35.0	35.0	35.2	36.6	39.9	44.0	48.6	48.6
H224	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.5	37.4	40.2	43.3	43.3

Table 21: The dBL_{A90,10min} Wind Farm Noise Level at other times for the 240 Degree Direction Sector

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	35.0	35.0	35.0	34.6	31.3	31.9	37.3	42.9	46.7	49.8	52.5	55.2
H2	35.0	35.0	35.0	35.0	34.9	36.9	40.2	43.6	46.8	49.7	52.4	55.3
H3	35.0	35.0	35.0	35.0	35.0	35.5	37.0	38.1	39.0	38.0	41.2	44.0
H4	35.0	35.0	35.0	35.0	35.0	35.5	36.2	38.0	40.6	42.7	44.6	46.2
H5	35.0	35.0	35.0	35.0	35.0	35.5	36.7	38.4	40.8	42.9	44.7	46.3
H6	35.0	35.5	36.3	36.6	36.6	36.7	36.7	37.2	39.2	42.3	46.7	46.7
H10	35.0	35.5	36.3	36.6	36.6	36.7	36.8	37.3	39.2	42.3	46.7	46.7
H11	35.0	35.5	36.3	36.6	36.6	36.7	37.0	37.5	39.3	42.4	46.7	46.7
H12	35.0	35.5	36.3	36.6	36.6	36.7	37.0	37.5	39.3	42.4	46.7	46.7
H13	35.0	35.5	36.3	36.6	36.6	36.7	36.9	37.4	39.3	42.4	46.7	46.7
H14	35.0	35.5	36.3	36.6	36.6	36.7	37.0	37.5	39.4	42.4	46.7	46.7
H16	35.0	35.5	36.3	36.6	36.6	36.7	37.0	37.5	39.3	42.4	46.7	46.7
H22	35.0	35.0	35.3	36.5	37.3	38.6	40.2	42.2	44.7	47.8	51.6	51.6
H24	35.0	35.0	35.3	36.0	36.3	37.8	39.7	41.9	44.5	47.7	51.5	51.5
H27	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.1	35.1	39.1	42.8	42.7
H33	35.0	35.0	35.0	35.0	35.0	35.0	35.2	36.2	39.7	43.9	48.6	48.6
H34	35.0	35.5	36.3	36.6	36.6	36.7	37.0	37.5	39.3	42.4	46.7	46.7
H39	35.0	35.0	35.0	35.0	35.0	35.0	35.2	36.3	39.8	43.9	48.6	48.6
H45	35.0	35.0	35.3	36.5	37.7	39.0	40.5	42.4	44.3	47.5	51.4	51.4
H49	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.5	36.1	39.5	43.0	42.9
H52	35.0	35.0	35.3	36.5	36.9	38.3	40.0	42.1	44.6	47.8	51.6	51.6
H91	35.0	35.0	35.3	35.5	35.9	37.5	39.4	41.7	44.4	47.7	51.5	51.5
H94	35.0	35.0	35.3	36.5	37.3	38.5	40.1	42.1	44.6	47.8	51.6	51.6

H158	35.0	35.0	35.0	35.0	35.0	35.5	36.5	38.2	40.8	42.8	44.6	46.3
H162	35.0	35.5	36.3	36.6	36.6	36.7	37.0	37.5	39.4	42.4	46.7	46.7
H164	35.0	35.5	36.3	36.6	36.6	36.7	36.9	37.4	39.3	42.4	46.7	46.7
H165	35.0	35.5	36.3	36.6	36.6	36.7	36.8	37.3	39.2	42.4	46.7	46.7
H168	35.0	35.0	35.3	36.3	36.2	37.6	39.5	41.7	44.4	47.7	51.5	51.5
H173	35.0	35.0	35.3	36.5	37.7	39.0	40.5	42.4	44.3	47.5	51.4	51.4
H209	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.1	39.1	42.7	42.7
H222	35.0	35.0	35.0	35.0	35.0	35.0	35.2	36.1	39.7	43.9	48.6	48.6
H224	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.5	36.5	39.7	43.0	43.0

Table 22: The dBL_{A90,10min} Wind Farm Noise Level at other times for the 270 Degree Direction Sector

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	35.0	35.0	35.0	34.9	31.7	33.1	38.4	43.2	46.9	49.9	52.6	55.2
H2	35.0	35.0	35.0	35.0	35.7	37.8	40.9	44.0	47.0	49.8	52.5	55.3
H3	35.0	35.0	35.0	35.0	35.0	35.5	37.0	38.4	39.2	38.4	41.4	44.1
H4	35.0	35.0	35.0	35.0	35.0	35.5	36.3	38.0	40.6	42.7	44.6	46.3
H5	35.0	35.0	35.0	35.0	35.0	35.5	36.8	38.4	40.9	42.9	44.7	46.3
H6	35.0	35.5	36.3	36.6	36.6	36.7	36.6	37.1	39.1	42.3	46.7	46.7
H10	35.0	35.5	36.3	36.6	36.6	36.7	36.6	37.2	39.1	42.3	46.7	46.7
H11	35.0	35.5	36.3	36.6	36.6	36.7	36.9	37.4	39.3	42.4	46.7	46.7
H12	35.0	35.5	36.3	36.6	36.6	36.7	36.9	37.4	39.3	42.4	46.7	46.7
H13	35.0	35.5	36.3	36.6	36.6	36.7	36.9	37.4	39.3	42.4	46.7	46.7
H14	35.0	35.5	36.3	36.6	36.6	36.7	37.0	37.5	39.3	42.4	46.7	46.7
H16	35.0	35.5	36.3	36.6	36.6	36.7	36.9	37.4	39.3	42.4	46.7	46.7
H22	35.0	35.0	35.3	36.5	37.1	38.3	40.0	42.0	44.6	47.8	51.5	51.5
H24	35.0	35.0	35.3	35.8	35.9	37.4	39.3	41.6	44.3	47.7	51.5	51.5
H27	35.0	35.0	35.0	35.0	35.0	35.0	34.5	34.0	33.9	38.7	42.5	42.5
H33	35.0	35.0	35.0	35.0	35.0	35.0	35.2	36.2	39.7	43.9	48.6	48.6
H34	35.0	35.5	36.3	36.6	36.6	36.7	36.9	37.4	39.3	42.4	46.7	46.7
H39	35.0	35.0	35.0	35.0	35.0	35.0	35.2	36.3	39.8	43.9	48.6	48.6
H45	35.0	35.0	35.3	36.5	37.7	39.0	40.5	42.4	44.2	47.5	51.4	51.4
H49	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.4	35.5	39.3	42.8	42.8
H52	35.0	35.0	35.3	36.5	36.6	37.9	39.7	41.9	44.5	47.7	51.5	51.5
H91	35.0	35.0	35.3	35.3	35.4	36.9	39.0	41.4	44.2	47.6	51.5	51.5
H94	35.0	35.0	35.3	36.5	37.0	38.1	39.8	41.9	44.5	47.7	51.5	51.5
H158	35.0	35.0	35.0	35.0	35.0	35.5	36.6	38.3	40.8	42.8	44.6	46.3
H162	35.0	35.5	36.3	36.6	36.6	36.7	37.0	37.5	39.4	42.4	46.7	46.7
H164	35.0	35.5	36.3	36.6	36.6	36.7	36.8	37.3	39.2	42.3	46.7	46.7
H165	35.0	35.5	36.3	36.6	36.6	36.7	36.8	37.3	39.2	42.3	46.7	46.7
H168	35.0	35.0	35.3	36.0	35.9	37.3	39.3	41.6	44.3	47.6	51.5	51.5
H173	35.0	35.0	35.3	36.5	37.7	39.0	40.5	42.4	44.2	47.5	51.4	51.4
H209	35.0	35.0	35.0	35.0	35.0	35.0	34.4	33.9	33.7	38.6	42.5	42.4
H222	35.0	35.0	35.0	35.0	35.0	35.0	35.2	36.1	39.7	43.9	48.6	48.6

H224	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.5	35.9	39.5	42.9	42.9
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Table 23: The dBL_{A90,10min} Wind Farm Noise Level at other times for the 300 Degree Direction Sector

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	35.0	35.0	35.0	35.0	32.8	34.4	38.9	43.5	47.0	49.9	52.6	55.2
H2	35.0	35.0	35.0	35.0	36.0	38.1	41.1	44.1	47.0	49.8	52.5	55.3
H3	35.0	35.0	35.0	35.0	35.0	35.5	37.0	38.3	39.1	38.2	41.3	44.1
H4	35.0	35.0	35.0	35.0	35.0	35.5	35.9	37.7	40.5	42.6	44.5	46.2
H5	35.0	35.0	35.0	35.0	35.0	35.5	36.3	38.1	40.7	42.8	44.6	46.3
H6	35.0	35.5	36.3	36.6	36.6	36.3	35.7	36.2	38.6	42.0	46.6	46.6
H10	35.0	35.5	36.3	36.6	36.6	36.3	35.7	36.3	38.6	42.1	46.6	46.6
H11	35.0	35.5	36.3	36.6	36.6	36.6	36.2	36.7	38.9	42.2	46.7	46.7
H12	35.0	35.5	36.3	36.6	36.6	36.6	36.2	36.7	38.8	42.2	46.7	46.6
H13	35.0	35.5	36.3	36.6	36.6	36.6	36.1	36.6	38.8	42.2	46.6	46.6
H14	35.0	35.5	36.3	36.6	36.6	36.7	36.4	36.9	39.0	42.2	46.7	46.7
H16	35.0	35.5	36.3	36.6	36.6	36.6	36.2	36.7	38.8	42.2	46.6	46.6
H22	35.0	35.0	35.3	36.5	36.8	37.9	39.5	41.7	44.4	47.7	51.5	51.5
H24	35.0	35.0	35.3	35.6	35.5	36.9	38.9	41.4	44.2	47.6	51.5	51.5
H27	35.0	35.0	35.0	35.0	35.0	35.0	34.5	34.0	33.9	38.7	42.5	42.5
H33	35.0	35.0	35.0	35.0	35.0	35.0	35.2	36.2	39.7	43.9	48.6	48.6
H34	35.0	35.5	36.3	36.6	36.6	36.6	36.1	36.7	38.8	42.2	46.6	46.6
H39	35.0	35.0	35.0	35.0	35.0	35.0	35.2	36.3	39.8	43.9	48.6	48.6
H45	35.0	35.0	35.3	36.5	37.7	39.0	40.5	42.4	44.0	47.4	51.4	51.4
H49	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.4	35.5	39.3	42.8	42.8
H52	35.0	35.0	35.3	36.5	36.5	37.9	39.6	41.8	44.4	47.7	51.5	51.5
H91	35.0	35.0	35.2	35.1	35.2	36.7	38.8	41.3	44.1	47.6	51.5	51.5
H94	35.0	35.0	35.3	36.5	36.2	37.1	38.9	41.3	44.1	47.6	51.5	51.4
H158	35.0	35.0	35.0	35.0	35.0	35.5	36.3	38.0	40.7	42.7	44.6	46.3
H162	35.0	35.5	36.3	36.6	36.6	36.7	36.5	37.0	39.0	42.3	46.7	46.7
H164	35.0	35.5	36.3	36.6	36.6	36.4	35.9	36.4	38.7	42.1	46.6	46.6
H165	35.0	35.5	36.3	36.6	36.6	36.4	36.0	36.4	38.7	42.1	46.6	46.6
H168	35.0	35.0	35.3	35.5	35.1	36.5	38.7	41.2	44.0	47.5	51.4	51.4
H173	35.0	35.0	35.3	36.5	37.7	39.0	40.5	42.4	43.9	47.4	51.4	51.4
H209	35.0	35.0	35.0	35.0	35.0	35.0	34.4	33.9	33.7	38.6	42.5	42.4
H222	35.0	35.0	35.0	35.0	35.0	35.0	35.2	36.1	39.7	43.9	48.6	48.6
H224	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.5	35.9	39.5	42.9	42.9

Table 24: The dBL_{A90,10min} Wind Farm Noise Level at other times for the 330 Degree Direction Sector

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	35.0	35.0	35.0	35.0	33.0	34.1	40.1	43.4	46.9	49.9	52.6	55.2
H2	35.0	35.0	35.0	35.0	36.0	37.9	41.2	44.0	47.0	49.8	52.5	55.3
H3	35.0	35.0	35.0	35.0	35.0	35.5	37.0	37.5	38.5	37.4	41.0	43.9
H4	35.0	35.0	35.0	35.0	35.0	35.1	34.5	36.3	39.8	42.2	44.3	46.1

H5	35.0	35.0	35.0	35.0	35.0	35.4	35.0	36.6	39.9	42.3	44.3	46.1
H6	35.0	35.5	36.3	36.6	36.4	34.8	34.1	33.3	37.1	41.4	46.4	46.4
H10	35.0	35.5	36.3	36.6	36.4	34.6	33.9	32.8	36.8	41.4	46.4	46.4
H11	35.0	35.5	36.3	36.6	36.6	35.2	34.7	34.1	37.4	41.6	46.4	46.4
H12	35.0	35.5	36.3	36.6	36.6	35.2	34.6	34.0	37.4	41.6	46.4	46.4
H13	35.0	35.5	36.3	36.6	36.5	35.0	34.4	33.7	37.2	41.5	46.4	46.4
H14	35.0	35.5	36.3	36.6	36.6	35.5	35.1	34.8	37.7	41.7	46.5	46.5
H16	35.0	35.5	36.3	36.6	36.6	34.9	34.3	33.5	37.1	41.5	46.4	46.4
H22	35.0	35.0	35.3	36.5	36.5	37.5	39.4	41.6	44.3	47.6	51.5	51.5
H24	35.0	35.0	35.3	35.6	35.5	36.9	39.0	41.4	44.2	47.6	51.5	51.5
H27	35.0	35.0	35.0	35.0	35.0	35.0	34.8	34.0	33.9	38.7	42.5	42.5
H33	35.0	35.0	35.0	35.0	35.0	35.0	35.2	36.2	39.7	43.9	48.6	48.6
H34	35.0	35.5	36.3	36.6	36.6	35.3	34.8	34.3	37.5	41.6	46.4	46.4
H39	35.0	35.0	35.0	35.0	35.0	35.0	35.2	36.3	39.8	43.9	48.6	48.6
H45	35.0	35.0	35.3	36.5	37.7	39.0	40.5	42.4	43.7	47.2	51.3	51.3
H49	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.4	35.5	39.3	42.8	42.8
H52	35.0	35.0	35.3	36.5	36.5	37.9	39.7	41.8	44.4	47.7	51.5	51.5
H91	35.0	35.0	35.2	35.1	35.2	36.7	38.8	41.3	44.1	47.6	51.5	51.5
H94	35.0	35.0	35.3	36.5	36.1	37.0	39.0	41.3	44.1	47.6	51.4	51.4
H158	35.0	35.0	35.0	35.0	35.0	35.5	35.2	36.9	40.1	42.4	44.4	46.1
H162	35.0	35.5	36.3	36.6	36.6	35.8	35.4	35.2	38.0	41.8	46.5	46.5
H164	35.0	35.5	36.3	36.6	36.5	35.1	34.6	34.0	37.4	41.6	46.5	46.4
H165	35.0	35.5	36.3	36.6	36.5	35.2	34.6	34.0	37.4	41.6	46.5	46.4
H168	35.0	35.0	35.3	35.3	34.7	35.9	38.4	40.9	43.9	47.4	51.4	51.4
H173	35.0	35.0	35.3	36.5	37.7	39.0	40.5	42.4	43.7	47.2	51.3	51.3
H209	35.0	35.0	35.0	35.0	35.0	35.0	34.7	33.9	33.8	38.6	42.5	42.4
H222	35.0	35.0	35.0	35.0	35.0	35.0	35.2	36.1	39.7	43.9	48.6	48.6
H224	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.5	35.9	39.5	42.9	42.9

Coordinate Locations of Properties

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

Table 25: Coordinate locations of the properties listed in acoustic assessment

House ID	Co-ordinates	
	X (m)	Y (m)
H1	309979	422676
H2	309761	422704
H3	309656	422220
H4	309384	421839
H5	309407	421621
H6	309586	421332
H10	309697	420992
H11	309512	421032
H12	309551	421004
H13	309596	420995
H14	309508	420901
H16	309474	420886
H22	310478	419181
H24	311566	418066
H27	313138	419356
H33	314432	420189
H34	309622	420847
H39	314273	419792
H45	310324	419519
H49	313292	419204
H52	312066	418151
H91	311806	418089
H94	311025	418993
H158	309337	421817
H162	309385	421272
H164	309513	421335
H165	309536	421306
H168	310037	419469
H173	310346	419531
H209	313135	419377
H222	314326	420005
H224	313231	419053

Technical Appendix 11.9: Cumulative Directional Predictions

Table 11.9.1: Cumulative Predicted Noise Levels without Proposed Development for 0 Degree Sector - Day

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	33.5	33.5	33.5	34.5	36.1	39.5	40.0	42.1	42.1	42.1	42.0	42.0
H2	31.3	31.3	31.3	32.0	33.5	36.3	36.9	38.8	38.9	38.9	38.7	38.7
H3	40.6	40.6	40.6	40.7	41.8	42.8	43.5	44.6	44.4	44.6	43.5	43.5
H4	31.4	31.4	31.4	31.9	33.4	35.7	36.3	37.9	37.9	38.0	37.6	37.6
H5	30.1	30.1	30.1	30.8	32.5	35.4	36.0	37.7	37.8	37.8	37.6	37.6
H6	29.5	29.5	29.5	30.4	32.4	35.7	36.3	38.1	38.2	38.2	38.2	38.2
H10	29.0	29.0	29.0	29.9	32.1	35.4	36.0	37.6	37.8	37.9	37.9	38.1
H11	28.4	28.4	28.4	29.3	31.4	34.6	35.2	36.8	37.0	37.1	37.1	37.2
H12	28.5	28.5	28.5	29.3	31.5	34.7	35.3	36.9	37.1	37.2	37.2	37.4
H13	28.7	28.7	28.7	29.5	31.7	34.9	35.5	37.2	37.4	37.4	37.4	37.6
H14	28.1	28.1	28.1	28.9	31.1	34.3	34.8	36.5	36.7	36.7	36.8	37.0
H16	28.5	28.5	28.5	29.4	31.7	35.0	35.5	37.2	37.4	37.4	37.5	37.7
H22	28.9	28.9	29.2	29.7	31.5	33.5	33.9	34.8	35.4	35.5	35.7	36.0
H24	33.0	33.0	33.0	33.1	33.6	34.7	35.0	35.5	36.0	36.0	36.2	36.4
H27	28.4	28.4	28.4	28.7	31.1	33.5	34.0	34.9	35.5	35.5	35.9	36.3
H33	25.4	25.4	25.4	25.7	28.1	30.6	31.1	32.1	32.8	32.8	33.1	33.5
H34	28.7	28.7	28.7	29.5	31.8	34.8	35.4	37.0	37.2	37.3	37.4	37.6
H39	24.8	24.8	24.8	25.1	27.6	30.0	30.6	31.6	32.2	32.2	32.6	32.9
H45	33.3	33.3	33.9	34.6	35.9	37.5	37.8	38.6	39.2	39.4	39.6	39.7
H49	26.7	26.7	26.7	27.0	29.4	31.8	32.4	33.3	33.9	33.9	34.3	34.7
H52	30.7	30.7	30.7	30.8	31.4	32.6	32.9	33.5	33.9	33.9	34.2	34.4
H91	33.7	33.7	33.7	33.8	34.1	35.1	35.4	35.9	36.3	36.3	36.5	36.7
H94	29.9	29.9	30.0	30.4	32.5	34.7	35.1	36.0	36.6	36.6	37.0	37.3
H158	30.7	30.7	30.7	31.2	32.7	35.2	35.8	37.4	37.4	37.5	37.1	37.2
H162	28.2	28.2	28.2	29.2	31.2	34.4	35.0	36.7	36.9	36.9	36.8	36.9
H164	29.2	29.2	29.2	30.1	32.1	35.3	35.9	37.7	37.8	37.8	37.8	37.9
H165	29.1	29.1	29.1	30.1	32.1	35.4	35.9	37.7	37.8	37.9	37.8	37.9
H168	32.2	32.2	32.8	33.5	34.7	36.1	36.3	37.1	37.7	38.0	38.1	38.2
H173	33.3	33.3	33.9	34.6	35.9	37.5	37.8	38.6	39.2	39.5	39.6	39.8
H209	28.5	28.5	28.5	28.8	31.2	33.6	34.1	35.0	35.6	35.6	36.0	36.4
H222	25.5	25.5	25.5	25.8	28.2	30.7	31.2	32.2	32.8	32.8	33.2	33.6
H224	25.9	25.9	25.9	26.2	28.7	31.1	31.6	32.6	33.2	33.2	33.6	34.0

Table 11.9.2: Cumulative Predicted Noise Levels without Proposed Development for 30 Degree Sector - Day

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	33.9	33.9	33.9	35.1	36.2	39.5	40.9	42.8	43.1	43.1	43.0	43.0
H2	32.4	32.4	32.4	33.4	34.5	37.6	39.0	40.8	41.0	41.1	40.9	41.0
H3	40.7	40.7	40.7	40.8	41.9	43.0	43.8	45.0	44.9	45.1	44.1	44.1
H4	31.9	31.9	31.9	32.5	33.8	36.1	37.2	38.7	38.9	39.0	38.7	38.8
H5	30.8	30.8	30.8	31.5	33.0	35.6	36.7	38.2	38.5	38.6	38.4	38.5
H6	30.5	30.5	30.5	31.3	33.0	35.9	37.0	38.5	38.8	38.9	38.9	39.0
H10	30.0	30.0	30.0	30.8	32.7	35.5	36.6	38.0	38.4	38.4	38.6	38.8
H11	29.4	29.4	29.4	30.1	31.9	34.7	35.8	37.2	37.6	37.6	37.7	37.9
H12	29.5	29.5	29.5	30.2	32.1	34.9	35.9	37.3	37.7	37.8	37.9	38.1
H13	29.6	29.6	29.7	30.4	32.3	35.1	36.1	37.5	37.9	38.0	38.1	38.3
H14	29.0	29.0	29.0	29.7	31.6	34.4	35.5	36.8	37.3	37.3	37.4	37.6
H16	29.1	29.1	29.1	29.9	31.8	34.8	35.9	37.3	37.8	37.8	37.9	38.1
H22	29.0	29.0	29.3	29.8	31.5	33.4	33.9	34.8	35.4	35.5	35.8	36.0
H24	33.0	33.0	33.0	33.1	33.5	34.6	35.0	35.5	36.0	36.0	36.2	36.4
H27	28.3	28.3	28.3	28.6	30.9	33.2	33.9	34.8	35.5	35.5	35.9	36.3
H33	22.3	22.3	22.3	22.7	24.9	27.4	28.2	29.2	29.9	29.9	30.2	30.6
H34	29.4	29.4	29.4	30.1	32.1	34.8	35.9	37.2	37.7	37.7	37.8	38.0
H39	23.2	23.2	23.2	23.5	25.8	28.3	29.1	30.1	30.8	30.8	31.1	31.5
H45	33.3	33.3	33.9	34.6	35.9	37.4	37.8	38.5	39.2	39.4	39.6	39.7
H49	26.6	26.6	26.7	26.9	29.3	31.6	32.3	33.2	33.9	33.9	34.3	34.7
H52	30.3	30.3	30.4	30.5	31.1	32.3	32.7	33.2	33.8	33.8	34.0	34.3
H91	33.7	33.7	33.7	33.8	34.1	35.0	35.4	35.8	36.3	36.3	36.5	36.7
H94	30.0	30.0	30.1	30.5	32.5	34.5	35.1	35.9	36.6	36.6	37.0	37.3
H158	31.4	31.4	31.4	32.0	33.3	35.7	36.8	38.3	38.5	38.6	38.4	38.4
H162	29.3	29.3	29.3	30.1	31.8	34.6	35.7	37.2	37.5	37.6	37.6	37.8
H164	30.2	30.2	30.2	31.0	32.7	35.5	36.6	38.1	38.4	38.5	38.5	38.6
H165	30.2	30.2	30.2	31.0	32.7	35.5	36.7	38.1	38.5	38.5	38.5	38.7
H168	32.2	32.2	32.8	33.6	34.7	36.0	36.3	37.0	37.7	38.0	38.1	38.2
H173	33.3	33.3	33.9	34.6	35.9	37.4	37.8	38.6	39.2	39.5	39.6	39.8
H209	28.4	28.4	28.4	28.7	31.0	33.3	34.0	34.9	35.6	35.6	36.0	36.3
H222	23.0	23.0	23.0	23.3	25.6	28.0	28.8	29.7	30.4	30.4	30.8	31.1
H224	25.8	25.8	25.8	26.1	28.5	30.8	31.6	32.5	33.2	33.2	33.6	33.9

Table 11.9.3: Cumulative Predicted Noise Levels without Proposed Development for 60 Degree Sector - Day

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	34.5	34.5	34.5	35.6	36.6	39.8	41.6	43.4	43.7	43.7	43.6	43.7
H2	33.3	33.3	33.3	34.3	35.3	38.1	39.8	41.5	41.8	41.8	41.7	41.8
H3	40.7	40.7	40.7	40.9	41.9	43.0	43.9	45.0	45.0	45.2	44.2	44.2
H4	32.1	32.1	32.1	32.6	33.8	36.0	37.3	38.8	39.0	39.1	38.8	38.9
H5	30.9	30.9	30.9	31.6	32.9	35.4	36.8	38.3	38.6	38.6	38.5	38.6
H6	30.5	30.5	30.6	31.3	32.9	35.6	37.0	38.5	38.8	38.9	38.9	39.0
H10	30.1	30.1	30.1	30.9	32.6	35.3	36.7	38.0	38.5	38.5	38.6	38.8
H11	29.5	29.5	29.6	30.3	31.9	34.6	35.9	37.3	37.7	37.7	37.8	38.0
H12	29.6	29.6	29.7	30.4	32.1	34.7	36.0	37.4	37.8	37.8	37.9	38.1
H13	29.8	29.8	29.9	30.6	32.3	34.9	36.2	37.6	38.0	38.0	38.1	38.3
H14	29.2	29.2	29.2	29.9	31.6	34.3	35.5	36.9	37.3	37.3	37.5	37.7
H16	29.2	29.2	29.3	30.1	31.8	34.6	36.0	37.4	37.8	37.8	37.9	38.1
H22	28.5	28.5	28.7	29.1	30.9	32.8	33.5	34.4	35.0	35.1	35.4	35.6
H24	32.9	32.9	32.9	33.0	33.4	34.5	34.9	35.4	35.9	35.9	36.1	36.4
H27	25.8	25.8	25.8	26.0	28.3	30.6	31.3	32.1	32.8	32.8	33.2	33.6
H33	18.0	18.0	18.0	18.3	20.6	22.9	23.8	24.8	25.5	25.5	25.8	26.2
H34	29.6	29.6	29.6	30.3	32.1	34.7	35.9	37.3	37.7	37.7	37.9	38.1
H39	18.6	18.6	18.6	19.0	21.2	23.6	24.5	25.5	26.2	26.2	26.5	26.9
H45	33.2	33.2	33.7	34.4	35.7	37.2	37.7	38.4	39.0	39.3	39.4	39.6
H49	23.9	23.9	23.9	24.1	26.4	28.7	29.5	30.4	31.1	31.1	31.5	31.9
H52	30.1	30.1	30.1	30.2	30.8	32.0	32.5	33.1	33.6	33.6	33.9	34.1
H91	33.6	33.6	33.6	33.7	34.0	34.9	35.4	35.8	36.2	36.2	36.4	36.6
H94	29.7	29.7	29.8	30.0	32.1	34.1	34.9	35.7	36.3	36.3	36.7	37.1
H158	31.5	31.5	31.5	32.1	33.3	35.6	36.9	38.4	38.6	38.7	38.5	38.6
H162	29.4	29.4	29.5	30.2	31.8	34.4	35.8	37.2	37.6	37.6	37.6	37.8
H164	30.3	30.3	30.3	31.1	32.6	35.3	36.7	38.1	38.5	38.5	38.5	38.7
H165	30.3	30.3	30.3	31.1	32.6	35.3	36.7	38.2	38.5	38.6	38.6	38.7
H168	32.2	32.2	32.9	33.6	34.7	36.0	36.3	37.0	37.7	38.0	38.1	38.2
H173	33.2	33.2	33.8	34.4	35.7	37.2	37.7	38.4	39.1	39.3	39.5	39.6
H209	25.9	25.9	25.9	26.1	28.4	30.6	31.4	32.2	32.9	32.9	33.3	33.7
H222	18.6	18.6	18.6	18.9	21.1	23.5	24.3	25.2	26.0	26.0	26.3	26.7
H224	23.4	23.4	23.4	23.6	25.9	28.2	29.1	29.9	30.7	30.7	31.0	31.4

Table 11.9.4: Cumulative Predicted Noise Levels without Proposed Development for 90 Degree Sector - Day

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	34.8	34.8	34.8	35.9	36.9	39.9	41.7	43.5	43.8	43.8	43.7	43.8
H2	34.0	34.0	34.0	34.8	35.8	38.5	40.1	41.8	42.0	42.1	41.9	41.9
H3	40.7	40.7	40.7	40.9	41.9	43.0	43.9	45.1	45.0	45.2	44.2	44.2
H4	32.1	32.1	32.1	32.7	33.9	36.0	37.4	38.8	39.0	39.1	38.8	38.9
H5	31.0	31.0	31.0	31.7	33.0	35.5	36.8	38.3	38.6	38.7	38.5	38.6
H6	30.7	30.7	30.7	31.5	33.0	35.7	37.1	38.5	38.9	38.9	38.9	39.1
H10	30.1	30.1	30.1	30.9	32.7	35.4	36.7	38.0	38.5	38.5	38.7	38.8
H11	29.6	29.6	29.7	30.4	32.1	34.7	35.9	37.3	37.7	37.8	37.9	38.0
H12	29.8	29.8	29.8	30.5	32.2	34.8	36.1	37.4	37.9	37.9	38.0	38.2
H13	29.9	29.9	30.0	30.7	32.4	35.0	36.3	37.6	38.1	38.1	38.2	38.4
H14	29.3	29.3	29.3	30.0	31.7	34.3	35.6	36.9	37.4	37.4	37.5	37.7
H16	29.3	29.3	29.4	30.2	31.9	34.7	36.0	37.4	37.9	37.9	38.0	38.2
H22	27.5	27.5	27.6	27.9	29.9	32.0	32.8	33.7	34.3	34.3	34.6	35.0
H24	32.6	32.6	32.6	32.7	32.9	33.8	34.1	34.4	34.8	34.8	35.1	35.3
H27	21.5	21.5	21.5	21.7	24.0	26.2	27.0	27.8	28.5	28.5	28.9	29.3
H33	15.9	15.9	15.9	16.2	18.4	20.7	21.6	22.5	23.2	23.3	23.6	24.0
H34	29.7	29.7	29.8	30.4	32.2	34.8	36.0	37.3	37.8	37.8	37.9	38.1
H39	15.8	15.8	15.8	16.1	18.3	20.7	21.6	22.5	23.2	23.2	23.6	23.9
H45	32.8	32.8	33.3	33.9	35.3	36.8	37.3	38.1	38.7	39.0	39.1	39.3
H49	19.6	19.6	19.6	19.9	22.1	24.4	25.2	26.0	26.7	26.7	27.1	27.5
H52	29.3	29.3	29.3	29.3	29.6	30.3	30.7	31.0	31.4	31.4	31.6	31.8
H91	33.3	33.3	33.3	33.3	33.3	34.0	34.3	34.5	34.8	34.8	35.0	35.2
H94	29.4	29.4	29.4	29.6	31.6	33.7	34.4	35.1	35.8	35.8	36.2	36.6
H158	31.6	31.6	31.6	32.1	33.4	35.6	37.0	38.4	38.7	38.7	38.5	38.6
H162	29.5	29.5	29.6	30.3	31.8	34.5	35.8	37.2	37.6	37.7	37.7	37.8
H164	30.4	30.4	30.4	31.2	32.7	35.3	36.7	38.1	38.5	38.6	38.6	38.7
H165	30.4	30.4	30.4	31.2	32.7	35.4	36.7	38.2	38.6	38.6	38.6	38.8
H168	32.2	32.2	32.8	33.6	34.7	35.9	36.3	37.0	37.7	38.0	38.1	38.2
H173	32.8	32.8	33.3	33.9	35.3	36.8	37.3	38.1	38.7	39.0	39.1	39.3
H209	21.6	21.6	21.6	21.8	24.1	26.3	27.1	27.9	28.6	28.6	29.0	29.4
H222	16.2	16.2	16.2	16.5	18.7	21.0	21.8	22.7	23.5	23.5	23.8	24.2
H224	19.0	19.0	19.0	19.3	21.6	23.8	24.7	25.5	26.3	26.3	26.6	27.0

Table 11.9.5: Cumulative Predicted Noise Levels without Proposed Development for 120 Degree Sector - Day

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	35.3	35.3	35.3	36.3	37.2	40.2	41.9	43.6	43.9	43.9	43.8	43.8
H2	34.0	34.0	34.0	34.8	35.8	38.5	40.1	41.8	42.0	42.1	41.9	41.9
H3	40.7	40.7	40.7	40.9	41.9	43.0	43.9	45.1	45.0	45.2	44.2	44.2
H4	32.1	32.1	32.1	32.7	33.9	36.0	37.4	38.8	39.0	39.1	38.8	38.9
H5	31.0	31.0	31.0	31.7	33.0	35.5	36.8	38.3	38.6	38.7	38.5	38.6
H6	29.6	29.6	29.6	30.6	32.2	35.2	36.7	38.2	38.6	38.6	38.7	38.9
H10	29.6	29.6	29.7	30.5	32.3	35.1	36.4	37.8	38.2	38.2	38.4	38.6
H11	29.0	29.0	29.1	29.9	31.6	34.4	35.7	37.1	37.6	37.6	37.7	37.9
H12	29.1	29.1	29.2	30.0	31.8	34.6	35.9	37.2	37.7	37.7	37.9	38.1
H13	29.4	29.4	29.4	30.2	32.0	34.8	36.1	37.5	37.9	37.9	38.1	38.3
H14	28.7	28.7	28.8	29.6	31.3	34.1	35.4	36.7	37.2	37.2	37.4	37.6
H16	28.8	28.8	28.9	29.8	31.5	34.4	35.8	37.3	37.7	37.7	37.9	38.1
H22	25.8	25.8	25.9	26.1	28.0	30.0	30.6	31.3	32.0	32.0	32.4	32.8
H24	32.1	32.1	32.1	32.1	32.1	32.5	32.7	32.8	33.0	33.0	33.2	33.3
H27	19.2	19.2	19.3	19.5	21.7	23.9	24.6	25.4	26.1	26.1	26.5	26.9
H33	15.6	15.6	15.6	15.9	18.1	20.4	21.2	22.1	22.8	22.8	23.2	23.6
H34	29.2	29.2	29.2	30.0	31.8	34.5	35.7	37.0	37.5	37.5	37.7	37.9
H39	15.0	15.0	15.0	15.3	17.5	19.8	20.7	21.6	22.3	22.3	22.7	23.0
H45	32.3	32.3	32.8	33.4	34.7	36.1	36.5	37.1	37.8	38.1	38.2	38.4
H49	17.6	17.6	17.6	17.8	20.0	22.2	22.9	23.8	24.5	24.5	24.9	25.2
H52	28.8	28.8	28.8	28.9	28.8	29.2	29.4	29.5	29.8	29.8	29.9	30.0
H91	32.9	32.9	33.0	33.0	32.8	33.1	33.3	33.3	33.5	33.6	33.7	33.7
H94	26.2	26.2	26.2	26.4	28.2	30.0	30.6	31.3	32.0	32.0	32.4	32.8
H158	31.6	31.6	31.6	32.1	33.4	35.6	37.0	38.4	38.7	38.7	38.5	38.6
H162	29.0	29.0	29.0	29.8	31.5	34.2	35.6	37.1	37.5	37.5	37.6	37.7
H164	29.3	29.3	29.3	30.3	31.9	34.9	36.3	37.8	38.2	38.2	38.3	38.5
H165	29.4	29.4	29.4	30.3	32.0	34.9	36.4	37.9	38.3	38.3	38.4	38.6
H168	31.4	31.4	32.1	32.7	33.9	35.1	35.4	36.0	36.7	37.0	37.2	37.3
H173	32.3	32.3	32.8	33.4	34.7	36.1	36.5	37.1	37.8	38.1	38.2	38.4
H209	19.4	19.4	19.4	19.6	21.8	24.0	24.7	25.5	26.2	26.2	26.6	27.0
H222	15.7	15.7	15.7	16.0	18.2	20.5	21.3	22.2	22.9	22.9	23.3	23.6
H224	16.8	16.8	16.8	17.1	19.2	21.5	22.3	23.2	23.9	23.9	24.2	24.6

Table 11.9.6: Cumulative Predicted Noise Levels without Proposed Development for 150 Degree Sector - Day

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	35.3	35.3	35.3	36.3	37.2	40.2	41.9	43.6	43.9	43.9	43.8	43.8
H2	34.0	34.0	34.0	34.8	35.8	38.5	40.1	41.8	42.0	42.1	41.9	41.9
H3	40.7	40.7	40.7	40.8	41.9	43.0	43.9	45.0	44.9	45.2	44.1	44.2
H4	31.4	31.4	31.4	32.0	33.3	35.5	36.9	38.3	38.6	38.6	38.4	38.5
H5	29.4	29.4	29.4	30.3	31.7	34.6	36.0	37.5	37.9	37.9	37.9	38.0
H6	28.7	28.7	28.8	29.6	31.4	34.3	35.7	37.1	37.5	37.6	37.7	37.9
H10	28.9	28.9	29.0	29.5	31.5	33.9	34.9	36.0	36.5	36.6	36.8	37.1
H11	28.1	28.1	28.2	28.7	30.6	33.0	34.1	35.2	35.7	35.7	36.0	36.3
H12	28.3	28.3	28.4	28.9	30.8	33.2	34.2	35.3	35.9	35.9	36.2	36.4
H13	28.5	28.5	28.6	29.1	31.1	33.5	34.5	35.5	36.1	36.1	36.4	36.7
H14	27.9	27.9	28.0	28.5	30.5	32.9	33.8	34.9	35.5	35.5	35.8	36.1
H16	27.9	27.9	27.9	28.5	30.5	32.9	34.0	35.1	35.7	35.7	36.0	36.2
H22	22.6	22.6	22.8	23.1	24.5	26.2	26.8	27.5	28.1	28.2	28.5	28.8
H24	32.0	32.0	32.0	32.0	31.8	32.1	32.2	32.2	32.4	32.4	32.5	32.6
H27	19.3	19.3	19.3	19.6	21.5	23.6	24.3	25.1	25.7	25.8	26.1	26.5
H33	16.9	16.9	17.0	17.2	19.4	21.6	22.4	23.2	24.0	24.0	24.3	24.7
H34	28.5	28.5	28.5	29.0	31.0	33.4	34.3	35.3	35.9	35.9	36.2	36.5
H39	15.8	15.8	15.9	16.2	18.3	20.5	21.3	22.2	22.9	23.0	23.3	23.7
H45	31.2	31.2	31.8	32.5	33.6	34.7	35.0	35.5	36.2	36.6	36.7	36.8
H49	17.9	17.9	17.9	18.1	20.0	22.0	22.7	23.5	24.2	24.2	24.5	24.9
H52	28.8	28.8	28.8	28.8	28.7	28.9	29.1	29.2	29.3	29.4	29.5	29.5
H91	32.9	32.9	32.9	32.9	32.6	32.9	33.0	33.0	33.2	33.2	33.3	33.3
H94	23.8	23.8	23.9	24.1	25.4	26.9	27.5	28.1	28.7	28.7	29.1	29.4
H158	30.8	30.8	30.8	31.4	32.7	35.1	36.4	37.9	38.2	38.2	38.0	38.2
H162	27.9	27.9	27.9	28.7	30.5	33.2	34.5	35.8	36.3	36.3	36.5	36.7
H164	28.4	28.4	28.5	29.3	31.1	34.0	35.3	36.7	37.1	37.1	37.3	37.5
H165	28.5	28.5	28.6	29.4	31.2	34.0	35.4	36.8	37.2	37.2	37.4	37.6
H168	30.2	30.2	30.9	31.6	32.6	33.7	33.9	34.5	35.1	35.5	35.6	35.7
H173	31.1	31.1	31.8	32.5	33.6	34.7	34.9	35.5	36.2	36.6	36.7	36.8
H209	19.6	19.6	19.7	19.9	21.7	23.7	24.4	25.2	25.9	25.9	26.2	26.6
H222	16.9	16.9	16.9	17.2	19.3	21.5	22.3	23.2	23.9	23.9	24.3	24.6
H224	17.0	17.0	17.0	17.3	19.1	21.2	21.9	22.8	23.5	23.5	23.8	24.2

Table 11.9.7: Cumulative Predicted Noise Levels without Proposed Development for 180 Degree Sector - Day

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	34.6	34.6	34.6	35.7	36.8	39.9	42.6	43.7	43.7	43.8	43.6	43.7
H2	33.5	33.5	33.5	34.4	35.5	38.3	40.7	41.8	41.9	41.9	41.7	41.8
H3	40.6	40.6	40.6	40.7	41.8	42.8	43.9	44.8	44.7	44.9	43.8	43.8
H4	29.9	29.9	29.9	30.4	31.7	33.8	35.5	36.5	36.6	36.7	36.5	36.6
H5	27.7	27.7	27.7	28.3	30.0	32.4	34.1	35.0	35.3	35.4	35.4	35.6
H6	27.3	27.3	27.4	27.9	29.9	32.3	33.7	34.5	34.9	35.0	35.2	35.5
H10	27.2	27.2	27.3	27.7	29.7	31.8	32.8	33.5	34.0	34.1	34.4	34.7
H11	26.3	26.3	26.4	26.8	28.8	30.9	32.0	32.7	33.2	33.2	33.5	33.8
H12	26.5	26.5	26.6	27.0	29.0	31.1	32.1	32.9	33.4	33.4	33.7	34.0
H13	26.7	26.7	26.8	27.2	29.2	31.3	32.3	33.0	33.6	33.6	33.9	34.2
H14	25.8	25.8	25.9	26.3	28.3	30.4	31.5	32.2	32.7	32.8	33.1	33.4
H16	25.3	25.3	25.4	25.9	27.8	30.1	31.3	32.1	32.5	32.6	32.9	33.1
H22	21.5	21.5	21.7	22.1	23.2	24.7	25.4	25.9	26.4	26.5	26.8	27.0
H24	31.9	31.9	31.9	31.9	31.7	32.0	32.2	32.1	32.2	32.3	32.3	32.4
H27	20.7	20.7	20.7	20.9	22.8	24.8	25.7	26.3	26.9	26.9	27.3	27.7
H33	20.1	20.1	20.2	20.4	22.6	24.8	25.7	26.4	27.1	27.1	27.5	27.9
H34	26.0	26.0	26.1	26.5	28.5	30.6	31.7	32.4	32.9	32.9	33.2	33.5
H39	18.5	18.5	18.5	18.8	20.9	23.1	24.1	24.8	25.5	25.5	25.9	26.2
H45	30.9	30.9	31.6	32.4	33.3	34.3	34.6	35.1	35.7	36.2	36.2	36.3
H49	19.3	19.3	19.3	19.5	21.3	23.2	24.1	24.8	25.4	25.4	25.7	26.1
H52	29.0	29.0	29.0	29.1	28.9	29.1	29.3	29.3	29.5	29.5	29.6	29.7
H91	32.9	32.9	32.9	32.9	32.6	32.9	33.0	33.0	33.1	33.2	33.2	33.3
H94	23.2	23.2	23.3	23.6	24.6	26.0	26.6	27.1	27.6	27.7	28.0	28.3
H158	29.0	29.0	29.0	29.6	31.1	33.3	35.0	36.0	36.2	36.2	36.1	36.3
H162	26.3	26.3	26.4	26.9	28.8	31.1	32.4	33.2	33.7	33.7	34.0	34.3
H164	27.0	27.0	27.1	27.6	29.5	31.9	33.3	34.1	34.5	34.5	34.8	35.1
H165	27.1	27.1	27.2	27.7	29.6	32.0	33.4	34.2	34.6	34.7	34.9	35.2
H168	29.7	29.7	30.4	31.2	32.1	33.1	33.3	33.8	34.4	34.9	34.9	35.0
H173	30.8	30.8	31.6	32.3	33.3	34.3	34.5	35.1	35.7	36.1	36.2	36.2
H209	20.7	20.7	20.8	21.0	22.8	24.8	25.8	26.4	27.0	27.0	27.4	27.7
H222	20.0	20.0	20.0	20.2	22.4	24.6	25.5	26.2	26.9	26.9	27.3	27.7
H224	18.3	18.3	18.4	18.6	20.4	22.3	23.3	24.0	24.6	24.6	24.9	25.3

Table 11.9.8: Cumulative Predicted Noise Levels without Proposed Development for 210 Degree Sector - Day

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	34.0	34.0	34.0	35.1	36.6	39.8	42.7	43.1	43.1	43.2	43.0	43.0
H2	32.8	32.8	32.8	33.5	34.9	37.5	39.9	40.4	40.4	40.5	40.3	40.3
H3	40.5	40.5	40.5	40.6	41.6	42.5	43.5	44.3	44.1	44.3	43.1	43.1
H4	28.1	28.1	28.2	28.5	29.8	31.5	33.1	33.7	33.8	33.9	33.5	33.6
H5	25.0	25.0	25.0	25.6	27.2	29.4	31.2	31.7	31.9	32.0	32.0	32.2
H6	24.2	24.2	24.3	24.9	26.7	29.1	30.9	31.3	31.7	31.7	31.8	32.1
H10	24.3	24.3	24.6	25.1	26.8	28.9	30.2	30.7	31.1	31.2	31.3	31.6
H11	23.4	23.4	23.7	24.3	25.9	28.0	29.3	29.8	30.2	30.3	30.5	30.7
H12	23.6	23.6	23.9	24.5	26.1	28.2	29.5	30.0	30.4	30.5	30.6	30.9
H13	23.8	23.8	24.1	24.7	26.3	28.4	29.7	30.2	30.6	30.7	30.8	31.1
H14	22.8	22.8	23.0	23.6	25.3	27.4	28.8	29.2	29.6	29.7	29.9	30.1
H16	22.6	22.6	22.8	23.5	25.1	27.4	28.9	29.4	29.7	29.8	30.0	30.2
H22	21.8	21.8	22.1	22.6	23.7	25.1	25.9	26.3	26.8	27.0	27.2	27.4
H24	31.9	31.9	32.0	32.0	31.8	32.1	32.3	32.3	32.4	32.5	32.5	32.6
H27	23.4	23.4	23.5	23.8	25.8	27.9	29.0	29.4	30.0	30.1	30.4	30.8
H33	24.6	24.6	24.6	24.8	27.2	29.4	30.5	31.0	31.7	31.7	32.1	32.5
H34	23.2	23.2	23.5	24.1	25.7	27.8	29.1	29.6	30.0	30.1	30.3	30.5
H39	22.7	22.7	22.7	23.0	25.3	27.6	28.8	29.2	29.9	29.9	30.3	30.7
H45	31.1	31.1	31.9	32.6	33.6	34.6	34.8	35.3	35.9	36.4	36.4	36.5
H49	21.9	21.9	21.9	22.2	24.2	26.3	27.4	27.8	28.5	28.5	28.8	29.2
H52	29.6	29.6	29.6	29.6	29.4	29.8	30.0	30.0	30.2	30.2	30.3	30.4
H91	32.9	32.9	32.9	32.9	32.7	33.0	33.2	33.2	33.3	33.4	33.4	33.5
H94	23.9	23.9	24.1	24.4	25.5	26.8	27.5	27.9	28.3	28.5	28.7	29.0
H158	26.8	26.8	26.8	27.2	28.7	30.6	32.2	32.8	32.9	33.0	32.8	32.9
H162	23.1	23.1	23.3	23.9	25.6	27.9	29.4	29.9	30.3	30.3	30.5	30.7
H164	23.8	23.8	24.0	24.6	26.4	28.7	30.4	30.8	31.2	31.2	31.4	31.6
H165	23.9	23.9	24.1	24.7	26.5	28.8	30.5	30.9	31.3	31.3	31.5	31.7
H168	29.5	29.5	30.3	31.1	32.0	33.0	33.2	33.7	34.3	34.8	34.8	34.8
H173	31.1	31.1	31.8	32.6	33.5	34.5	34.8	35.3	35.9	36.4	36.4	36.4
H209	23.5	23.5	23.5	23.8	25.9	28.0	29.1	29.5	30.1	30.1	30.5	30.8
H222	24.3	24.3	24.3	24.6	26.9	29.2	30.3	30.8	31.4	31.5	31.8	32.2
H224	20.9	20.9	21.0	21.3	23.3	25.4	26.5	27.0	27.6	27.6	27.9	28.3

Table 11.9.9: Cumulative Predicted Noise Levels without Proposed Development for 240 Degree Sector - Day

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	33.3	33.3	33.3	34.4	36.3	39.6	41.6	42.1	42.1	42.1	41.9	41.9
H2	32.0	32.0	32.0	32.5	34.1	36.5	38.1	38.6	38.6	38.7	38.3	38.3
H3	40.4	40.4	40.5	40.5	41.5	42.3	43.2	44.0	43.8	44.0	42.6	42.6
H4	27.2	27.2	27.3	27.5	28.9	30.5	31.6	32.2	32.2	32.4	31.7	31.8
H5	23.7	23.7	23.8	24.3	25.9	28.2	29.6	30.1	30.2	30.3	30.1	30.2
H6	23.0	23.0	23.2	24.0	25.7	28.3	29.7	30.1	30.4	30.4	30.4	30.6
H10	23.5	23.5	23.8	24.5	26.1	28.3	29.4	29.9	30.2	30.3	30.4	30.5
H11	21.8	21.8	22.0	22.7	24.4	26.8	28.1	28.5	28.8	28.9	29.0	29.1
H12	21.9	21.9	22.2	22.9	24.6	27.0	28.2	28.7	29.0	29.1	29.1	29.3
H13	22.1	22.1	22.4	23.1	24.8	27.2	28.4	28.9	29.2	29.3	29.3	29.5
H14	21.1	21.1	21.4	22.0	23.9	26.3	27.5	28.0	28.3	28.4	28.5	28.7
H16	21.1	21.1	21.3	22.1	23.9	26.5	27.9	28.4	28.6	28.7	28.8	29.0
H22	24.2	24.2	24.7	25.4	26.6	28.0	28.6	29.0	29.5	29.8	29.9	30.0
H24	32.1	32.1	32.1	32.2	32.1	32.7	33.0	33.0	33.1	33.2	33.3	33.4
H27	27.4	27.4	27.4	27.7	30.1	32.4	33.4	33.8	34.4	34.4	34.8	35.2
H33	25.5	25.5	25.5	25.8	28.2	30.7	31.7	32.1	32.8	32.8	33.1	33.5
H34	21.6	21.6	21.9	22.5	24.4	26.8	28.0	28.4	28.8	28.9	29.0	29.2
H39	24.9	24.9	24.9	25.2	27.6	30.1	31.2	31.6	32.2	32.3	32.6	33.0
H45	31.7	31.7	32.4	33.2	34.2	35.2	35.4	35.9	36.6	37.0	37.0	37.1
H49	25.9	25.9	25.9	26.1	28.5	30.9	31.8	32.3	32.9	32.9	33.3	33.6
H52	29.9	29.9	29.9	29.9	30.0	30.6	31.0	31.1	31.3	31.4	31.5	31.6
H91	33.1	33.1	33.1	33.1	33.1	33.5	33.8	33.8	34.0	34.1	34.2	34.3
H94	25.2	25.2	25.7	26.2	27.6	29.2	29.8	30.2	30.7	30.9	31.1	31.3
H158	25.6	25.6	25.7	26.0	27.4	29.2	30.4	31.0	31.1	31.2	30.7	30.8
H162	21.2	21.2	21.4	22.1	23.9	26.4	27.8	28.3	28.5	28.6	28.6	28.8
H164	22.3	22.3	22.4	23.1	24.9	27.5	28.9	29.4	29.6	29.7	29.7	29.8
H165	22.3	22.3	22.5	23.1	25.0	27.6	29.0	29.4	29.7	29.7	29.7	29.9
H168	29.8	29.8	30.5	31.3	32.3	33.3	33.5	34.0	34.6	35.1	35.1	35.1
H173	31.6	31.6	32.4	33.2	34.1	35.2	35.4	35.9	36.6	37.0	37.0	37.1
H209	27.5	27.5	27.5	27.8	30.1	32.5	33.5	33.9	34.5	34.5	34.9	35.3
H222	25.6	25.6	25.6	25.9	28.3	30.7	31.7	32.2	32.8	32.8	33.2	33.6
H224	24.8	24.8	24.9	25.2	27.5	29.9	30.9	31.4	32.0	32.0	32.3	32.7

Table 11.9.10: Cumulative Predicted Noise Levels without Proposed Development for 270 Degree Sector - Day

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	33.0	33.0	33.0	34.0	36.2	39.4	41.1	41.6	41.5	41.6	41.4	41.4
H2	30.4	30.4	30.5	31.0	32.8	35.2	36.8	37.3	37.2	37.3	36.9	36.9
H3	40.4	40.4	40.4	40.5	41.5	42.3	43.1	43.9	43.7	43.9	42.5	42.5
H4	27.2	27.2	27.2	27.4	28.8	30.3	31.4	32.1	32.0	32.1	31.4	31.4
H5	23.7	23.7	23.8	24.2	25.9	28.1	29.4	29.9	30.0	30.1	29.7	29.8
H6	23.7	23.7	23.8	24.4	26.2	28.7	30.1	30.6	30.7	30.8	30.6	30.7
H10	23.7	23.7	23.9	24.4	26.3	28.7	30.0	30.5	30.6	30.7	30.6	30.7
H11	21.9	21.9	22.0	22.6	24.6	27.2	28.6	29.0	29.2	29.3	29.2	29.3
H12	22.0	22.0	22.1	22.7	24.7	27.3	28.7	29.1	29.3	29.4	29.3	29.4
H13	22.1	22.1	22.2	22.8	24.9	27.5	28.8	29.3	29.5	29.5	29.5	29.6
H14	21.3	21.3	21.4	22.0	24.1	26.7	28.0	28.5	28.7	28.8	28.7	28.9
H16	21.3	21.3	21.4	22.2	24.3	27.2	28.6	29.1	29.3	29.3	29.3	29.4
H22	26.2	26.2	26.8	27.6	28.9	30.5	31.1	31.6	32.0	32.3	32.4	32.5
H24	32.5	32.5	32.5	32.6	32.9	33.9	34.4	34.5	34.8	34.9	35.0	35.2
H27	28.5	28.5	28.6	28.8	31.3	33.6	34.5	34.9	35.6	35.6	35.9	36.3
H33	25.5	25.5	25.5	25.8	28.3	30.7	31.7	32.1	32.8	32.8	33.1	33.5
H34	21.6	21.6	21.7	22.4	24.5	27.2	28.6	29.0	29.3	29.3	29.3	29.5
H39	24.9	24.9	24.9	25.2	27.7	30.2	31.2	31.6	32.2	32.3	32.6	33.0
H45	32.1	32.1	32.8	33.6	34.6	35.8	36.1	36.6	37.2	37.6	37.6	37.7
H49	26.9	26.9	26.9	27.2	29.6	32.0	32.9	33.3	34.0	34.0	34.3	34.7
H52	30.5	30.5	30.5	30.6	31.2	32.4	32.9	33.1	33.5	33.6	33.8	34.0
H91	33.5	33.5	33.5	33.6	33.8	34.8	35.3	35.4	35.7	35.8	35.9	36.1
H94	26.8	26.8	27.1	27.7	29.5	31.6	32.4	32.8	33.3	33.4	33.7	33.9
H158	25.5	25.5	25.5	25.8	27.2	29.0	30.1	30.7	30.7	30.9	30.2	30.3
H162	21.2	21.2	21.3	21.9	23.9	26.6	28.0	28.4	28.6	28.6	28.6	28.7
H164	23.3	23.3	23.3	23.8	25.7	28.1	29.5	30.0	30.1	30.1	29.9	30.0
H165	23.2	23.2	23.2	23.8	25.7	28.1	29.5	30.0	30.1	30.2	29.9	30.1
H168	30.5	30.5	31.3	32.1	33.1	34.1	34.4	34.9	35.5	36.0	36.0	36.0
H173	32.1	32.1	32.8	33.6	34.6	35.8	36.1	36.6	37.2	37.6	37.7	37.7
H209	28.6	28.6	28.6	28.9	31.3	33.7	34.6	35.0	35.6	35.6	36.0	36.4
H222	25.6	25.6	25.6	25.9	28.4	30.8	31.7	32.2	32.8	32.8	33.2	33.6
H224	26.1	26.1	26.1	26.4	28.8	31.3	32.2	32.6	33.2	33.3	33.6	34.0

Table 11.9.11: Cumulative Predicted Noise Levels without Proposed Development for 300 Degree Sector - Day

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	32.2	32.2	32.2	33.4	35.7	39.0	40.8	41.2	41.2	41.3	41.1	41.1
H2	29.5	29.5	29.5	30.2	32.1	34.7	36.3	36.8	36.7	36.8	36.4	36.5
H3	40.4	40.4	40.4	40.5	41.5	42.3	43.1	44.0	43.7	44.0	42.6	42.6
H4	28.2	28.2	28.2	28.4	29.8	31.3	32.4	33.1	33.0	33.2	32.4	32.4
H5	25.9	25.9	25.9	26.3	27.9	29.9	31.2	31.8	31.7	31.9	31.4	31.4
H6	27.1	27.1	27.1	27.6	29.3	31.5	32.8	33.3	33.3	33.4	33.0	33.1
H10	25.4	25.4	25.5	26.2	28.4	31.2	32.7	33.2	33.3	33.3	33.2	33.2
H11	25.0	25.0	25.0	25.6	27.6	30.2	31.6	32.1	32.2	32.2	32.0	32.1
H12	25.0	25.0	25.0	25.6	27.6	30.2	31.7	32.1	32.2	32.3	32.1	32.2
H13	25.1	25.1	25.1	25.7	27.7	30.4	31.8	32.3	32.4	32.4	32.3	32.4
H14	24.3	24.3	24.3	24.9	26.9	29.6	31.0	31.5	31.6	31.6	31.5	31.6
H16	24.4	24.4	24.4	25.2	27.3	30.2	31.8	32.2	32.3	32.4	32.2	32.3
H22	27.8	27.8	28.2	28.9	30.6	32.6	33.4	33.9	34.3	34.5	34.7	34.9
H24	33.0	33.0	33.0	33.1	33.6	34.8	35.3	35.5	35.9	36.0	36.2	36.4
H27	28.5	28.5	28.6	28.8	31.3	33.6	34.5	34.9	35.6	35.6	35.9	36.3
H33	25.5	25.5	25.5	25.8	28.3	30.7	31.7	32.1	32.8	32.8	33.1	33.5
H34	24.6	24.6	24.6	25.3	27.5	30.3	31.8	32.2	32.3	32.4	32.3	32.4
H39	24.9	24.9	24.9	25.2	27.7	30.2	31.2	31.6	32.2	32.3	32.6	33.0
H45	32.6	32.6	33.2	34.0	35.3	36.7	37.3	37.8	38.3	38.6	38.7	38.8
H49	26.9	26.9	26.9	27.2	29.6	32.0	32.9	33.3	34.0	34.0	34.3	34.7
H52	30.7	30.7	30.7	30.8	31.4	32.7	33.2	33.5	33.9	33.9	34.2	34.4
H91	33.7	33.7	33.7	33.8	34.2	35.2	35.7	35.9	36.3	36.3	36.5	36.7
H94	29.6	29.6	29.8	30.1	32.4	34.5	35.3	35.8	36.3	36.4	36.7	37.1
H158	26.7	26.7	26.7	27.0	28.4	30.2	31.3	32.0	31.9	32.1	31.4	31.5
H162	24.4	24.4	24.4	24.9	26.8	29.2	30.6	31.1	31.2	31.2	31.0	31.0
H164	26.8	26.8	26.8	27.2	28.9	31.0	32.3	32.8	32.8	32.9	32.5	32.6
H165	26.7	26.7	26.7	27.1	28.8	30.9	32.3	32.8	32.8	32.9	32.5	32.6
H168	31.6	31.6	32.3	33.1	34.2	35.5	35.9	36.4	36.9	37.3	37.4	37.4
H173	32.6	32.6	33.2	34.0	35.3	36.7	37.3	37.8	38.3	38.6	38.7	38.8
H209	28.6	28.6	28.6	28.9	31.4	33.7	34.6	35.0	35.6	35.6	36.0	36.4
H222	25.6	25.6	25.6	25.9	28.4	30.8	31.7	32.2	32.8	32.8	33.2	33.6
H224	26.1	26.1	26.1	26.4	28.9	31.3	32.2	32.6	33.2	33.3	33.6	34.0

Table 11.9.12: Cumulative Predicted Noise Levels without Proposed Development for 330 Degree Sector - Day

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	32.2	32.2	32.2	33.4	35.6	39.1	39.8	41.4	41.4	41.4	41.3	41.3
H2	29.7	29.7	29.7	30.5	32.2	35.1	35.8	37.2	37.2	37.3	37.0	37.0
H3	40.5	40.5	40.5	40.5	41.6	42.5	43.2	44.2	43.9	44.2	42.8	42.8
H4	30.2	30.2	30.2	30.5	31.9	33.8	34.4	35.6	35.6	35.7	35.0	35.1
H5	29.2	29.2	29.2	29.6	31.1	33.3	34.0	35.2	35.2	35.3	34.8	34.8
H6	28.2	28.2	28.2	29.0	31.1	34.2	34.8	36.2	36.3	36.3	36.1	36.2
H10	27.2	27.2	27.2	28.4	30.8	34.3	35.0	36.5	36.5	36.6	36.5	36.6
H11	26.8	26.8	26.8	27.9	30.2	33.6	34.3	35.7	35.8	35.8	35.8	35.8
H12	26.8	26.8	26.8	27.9	30.3	33.7	34.4	35.8	35.9	35.9	35.9	35.9
H13	27.0	27.0	27.0	28.1	30.4	33.9	34.6	36.0	36.1	36.1	36.1	36.1
H14	26.2	26.2	26.2	27.3	29.7	33.1	33.8	35.2	35.3	35.3	35.3	35.4
H16	26.6	26.6	26.7	27.9	30.4	34.0	34.7	36.1	36.2	36.2	36.2	36.3
H22	28.8	28.8	29.2	29.7	31.6	33.6	34.0	34.8	35.4	35.5	35.7	36.0
H24	33.0	33.0	33.0	33.1	33.6	34.8	35.1	35.5	36.0	36.0	36.2	36.4
H27	28.5	28.5	28.5	28.7	31.2	33.6	34.1	34.9	35.5	35.6	35.9	36.3
H33	25.4	25.4	25.5	25.7	28.3	30.7	31.3	32.1	32.8	32.8	33.1	33.5
H34	26.6	26.6	26.6	27.6	30.1	33.5	34.2	35.6	35.7	35.7	35.7	35.8
H39	24.8	24.8	24.8	25.2	27.7	30.2	30.8	31.6	32.2	32.2	32.6	33.0
H45	33.3	33.3	33.9	34.6	36.0	37.5	37.9	38.6	39.2	39.4	39.6	39.7
H49	26.8	26.8	26.8	27.1	29.6	32.0	32.5	33.3	33.9	34.0	34.3	34.7
H52	30.7	30.7	30.7	30.8	31.4	32.7	33.0	33.5	33.9	33.9	34.2	34.4
H91	33.7	33.7	33.7	33.8	34.2	35.2	35.5	35.9	36.3	36.3	36.5	36.7
H94	29.8	29.8	30.0	30.4	32.6	34.7	35.2	36.0	36.6	36.6	37.0	37.3
H158	29.3	29.3	29.3	29.6	31.1	33.0	33.7	34.9	34.8	35.0	34.4	34.4
H162	26.8	26.8	26.8	27.6	29.7	32.7	33.4	34.7	34.8	34.8	34.6	34.7
H164	27.9	27.9	27.9	28.7	30.7	33.7	34.4	35.8	35.8	35.9	35.7	35.7
H165	27.8	27.8	27.8	28.6	30.7	33.7	34.4	35.8	35.8	35.9	35.7	35.7
H168	32.1	32.1	32.8	33.5	34.7	36.1	36.4	37.0	37.6	38.0	38.0	38.1
H173	33.3	33.3	33.9	34.6	36.0	37.6	37.9	38.6	39.2	39.5	39.6	39.8
H209	28.5	28.5	28.6	28.8	31.3	33.7	34.2	35.0	35.6	35.6	36.0	36.4
H222	25.5	25.5	25.5	25.8	28.3	30.8	31.4	32.2	32.8	32.8	33.2	33.6
H224	26.0	26.0	26.0	26.3	28.8	31.2	31.8	32.6	33.2	33.2	33.6	34.0

Table 11.9.13: Cumulative Predicted Noise Levels without Proposed Development for 0 Degree Sector - Night

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	33.5	33.5	33.5	34.5	37.0	39.8	41.6	42.1	42.1	42.1	42.0	42.0
H2	31.3	31.3	31.3	32.0	34.2	36.7	38.3	38.8	38.9	38.9	38.7	38.7
H3	40.6	40.6	40.6	40.7	41.9	42.9	43.8	44.6	44.4	44.6	43.5	43.5
H4	31.4	31.4	31.4	31.9	33.8	36.0	37.4	37.9	37.9	38.0	37.6	37.6
H5	30.1	30.1	30.1	30.8	33.2	35.7	37.3	37.7	37.8	37.8	37.6	37.6
H6	29.5	29.5	29.5	30.4	33.2	36.0	37.7	38.1	38.2	38.2	38.2	38.2
H10	29.0	29.0	29.0	29.9	32.8	35.7	37.2	37.6	37.8	37.9	37.9	38.1
H11	28.4	28.4	28.4	29.3	32.1	34.9	36.4	36.8	37.0	37.1	37.1	37.2
H12	28.5	28.5	28.5	29.3	32.2	35.0	36.5	36.9	37.1	37.2	37.2	37.4
H13	28.7	28.7	28.7	29.5	32.4	35.2	36.8	37.2	37.4	37.4	37.4	37.6
H14	28.1	28.1	28.1	28.9	31.8	34.6	36.1	36.5	36.7	36.7	36.8	37.0
H16	28.5	28.5	28.5	29.4	32.4	35.3	36.8	37.2	37.4	37.4	37.5	37.7
H22	28.9	28.9	29.2	29.7	31.7	33.6	34.4	34.8	35.4	35.5	35.7	36.0
H24	33.0	33.0	33.0	33.1	33.7	34.8	35.3	35.5	36.0	36.0	36.2	36.4
H27	28.4	28.4	28.4	28.7	31.3	33.6	34.5	34.9	35.5	35.5	35.9	36.3
H33	25.4	25.4	25.4	25.7	28.4	30.7	31.7	32.1	32.8	32.8	33.1	33.5
H34	28.7	28.7	28.7	29.5	32.4	35.1	36.6	37.0	37.2	37.3	37.4	37.6
H39	24.8	24.8	24.8	25.1	27.8	30.2	31.1	31.6	32.2	32.2	32.6	32.9
H45	33.3	33.3	33.9	34.6	36.0	37.5	38.1	38.6	39.2	39.4	39.6	39.7
H49	26.7	26.7	26.7	27.0	29.6	31.9	32.8	33.3	33.9	33.9	34.3	34.7
H52	30.7	30.7	30.7	30.8	31.5	32.7	33.2	33.5	33.9	33.9	34.2	34.4
H91	33.7	33.7	33.7	33.8	34.2	35.2	35.7	35.9	36.3	36.3	36.5	36.7
H94	29.9	29.9	30.0	30.4	32.7	34.7	35.5	36.0	36.6	36.6	37.0	37.3
H158	30.7	30.7	30.7	31.2	33.2	35.4	36.9	37.4	37.4	37.5	37.1	37.2
H162	28.2	28.2	28.2	29.2	31.9	34.7	36.3	36.7	36.9	36.9	36.8	36.9
H164	29.2	29.2	29.2	30.1	32.8	35.7	37.3	37.7	37.8	37.8	37.8	37.9
H165	29.1	29.1	29.1	30.1	32.8	35.7	37.3	37.7	37.8	37.9	37.8	37.9
H168	32.2	32.2	32.8	33.5	34.8	36.1	36.6	37.1	37.7	38.0	38.1	38.2
H173	33.3	33.3	33.9	34.6	36.0	37.6	38.2	38.6	39.2	39.5	39.6	39.8
H209	28.5	28.5	28.5	28.8	31.4	33.7	34.5	35.0	35.6	35.6	36.0	36.4
H222	25.5	25.5	25.5	25.8	28.4	30.8	31.7	32.2	32.8	32.8	33.2	33.6
H224	25.9	25.9	25.9	26.2	28.9	31.2	32.2	32.6	33.2	33.2	33.6	34.0

Table 11.9.14: Cumulative Predicted Noise Levels without Proposed Development for 30 Degree Sector - Night

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	33.9	33.9	33.9	35.1	36.2	39.5	40.9	42.8	43.1	43.1	43.0	43.0
H2	32.4	32.4	32.4	33.4	34.5	37.6	39.0	40.8	41.0	41.1	40.9	41.0
H3	40.7	40.7	40.7	40.8	41.9	43.0	43.8	45.0	44.9	45.1	44.1	44.1
H4	31.9	31.9	31.9	32.5	33.8	36.1	37.2	38.7	38.9	39.0	38.7	38.8
H5	30.8	30.8	30.8	31.5	33.0	35.6	36.7	38.2	38.5	38.6	38.4	38.5
H6	30.5	30.5	30.5	31.3	33.0	35.9	37.0	38.5	38.8	38.9	38.9	39.0
H10	30.0	30.0	30.0	30.8	32.7	35.5	36.6	38.0	38.4	38.4	38.6	38.8
H11	29.4	29.4	29.4	30.1	31.9	34.7	35.8	37.2	37.6	37.6	37.7	37.9
H12	29.5	29.5	29.5	30.2	32.1	34.9	35.9	37.3	37.7	37.8	37.9	38.1
H13	29.6	29.6	29.7	30.4	32.3	35.1	36.1	37.5	37.9	38.0	38.1	38.3
H14	29.0	29.0	29.0	29.7	31.6	34.4	35.5	36.8	37.3	37.3	37.4	37.6
H16	29.1	29.1	29.1	29.9	31.8	34.8	35.9	37.3	37.8	37.8	37.9	38.1
H22	29.0	29.0	29.3	29.8	31.5	33.4	33.9	34.8	35.4	35.5	35.8	36.0
H24	33.0	33.0	33.0	33.1	33.5	34.6	35.0	35.5	36.0	36.0	36.2	36.4
H27	28.3	28.3	28.3	28.6	30.9	33.2	33.9	34.8	35.5	35.5	35.9	36.3
H33	22.3	22.3	22.3	22.7	24.9	27.4	28.2	29.2	29.9	29.9	30.2	30.6
H34	29.4	29.4	29.4	30.1	32.1	34.8	35.9	37.2	37.7	37.7	37.8	38.0
H39	23.2	23.2	23.2	23.5	25.8	28.3	29.1	30.1	30.8	30.8	31.1	31.5
H45	33.3	33.3	33.9	34.6	35.9	37.4	37.8	38.5	39.2	39.4	39.6	39.7
H49	26.6	26.6	26.7	26.9	29.3	31.6	32.3	33.2	33.9	33.9	34.3	34.7
H52	30.3	30.3	30.4	30.5	31.1	32.3	32.7	33.2	33.8	33.8	34.0	34.3
H91	33.7	33.7	33.7	33.8	34.1	35.0	35.4	35.8	36.3	36.3	36.5	36.7
H94	30.0	30.0	30.1	30.5	32.5	34.5	35.1	35.9	36.6	36.6	37.0	37.3
H158	31.4	31.4	31.4	32.0	33.3	35.7	36.8	38.3	38.5	38.6	38.4	38.4
H162	29.3	29.3	29.3	30.1	31.8	34.6	35.7	37.2	37.5	37.6	37.6	37.8
H164	30.2	30.2	30.2	31.0	32.7	35.5	36.6	38.1	38.4	38.5	38.5	38.6
H165	30.2	30.2	30.2	31.0	32.7	35.5	36.7	38.1	38.5	38.5	38.5	38.7
H168	32.2	32.2	32.8	33.6	34.7	36.0	36.3	37.0	37.7	38.0	38.1	38.2
H173	33.3	33.3	33.9	34.6	35.9	37.4	37.8	38.6	39.2	39.5	39.6	39.8
H209	28.4	28.4	28.4	28.7	31.0	33.3	34.0	34.9	35.6	35.6	36.0	36.3
H222	23.0	23.0	23.0	23.3	25.6	28.0	28.8	29.7	30.4	30.4	30.8	31.1
H224	25.8	25.8	25.8	26.1	28.5	30.8	31.6	32.5	33.2	33.2	33.6	33.9

Table 11.9.15: Cumulative Predicted Noise Levels without Proposed Development for 60 Degree Sector - Night

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	34.5	34.5	34.5	35.6	36.6	39.8	41.6	43.4	43.7	43.7	43.6	43.7
H2	33.3	33.3	33.3	34.3	35.3	38.1	39.8	41.5	41.8	41.8	41.7	41.8
H3	40.7	40.7	40.7	40.9	41.9	43.0	43.9	45.0	45.0	45.2	44.2	44.2
H4	32.1	32.1	32.1	32.6	33.8	36.0	37.3	38.8	39.0	39.1	38.8	38.9
H5	30.9	30.9	30.9	31.6	32.9	35.4	36.8	38.3	38.6	38.6	38.5	38.6
H6	30.5	30.5	30.6	31.3	32.9	35.6	37.0	38.5	38.8	38.9	38.9	39.0
H10	30.1	30.1	30.1	30.9	32.6	35.3	36.7	38.0	38.5	38.5	38.6	38.8
H11	29.5	29.5	29.6	30.3	31.9	34.6	35.9	37.3	37.7	37.7	37.8	38.0
H12	29.6	29.6	29.7	30.4	32.1	34.7	36.0	37.4	37.8	37.8	37.9	38.1
H13	29.8	29.8	29.9	30.6	32.3	34.9	36.2	37.6	38.0	38.0	38.1	38.3
H14	29.2	29.2	29.2	29.9	31.6	34.3	35.5	36.9	37.3	37.3	37.5	37.7
H16	29.2	29.2	29.3	30.1	31.8	34.6	36.0	37.4	37.8	37.8	37.9	38.1
H22	28.5	28.5	28.7	29.1	30.9	32.8	33.5	34.4	35.0	35.1	35.4	35.6
H24	32.9	32.9	32.9	33.0	33.4	34.5	34.9	35.4	35.9	35.9	36.1	36.4
H27	25.8	25.8	25.8	26.0	28.3	30.6	31.3	32.1	32.8	32.8	33.2	33.6
H33	18.0	18.0	18.0	18.3	20.6	22.9	23.8	24.8	25.5	25.5	25.8	26.2
H34	29.6	29.6	29.6	30.3	32.1	34.7	35.9	37.3	37.7	37.7	37.9	38.1
H39	18.6	18.6	18.6	19.0	21.2	23.6	24.5	25.5	26.2	26.2	26.5	26.9
H45	33.2	33.2	33.7	34.4	35.7	37.2	37.7	38.4	39.0	39.3	39.4	39.6
H49	23.9	23.9	23.9	24.1	26.4	28.7	29.5	30.4	31.1	31.1	31.5	31.9
H52	30.1	30.1	30.1	30.2	30.8	32.0	32.5	33.1	33.6	33.6	33.9	34.1
H91	33.6	33.6	33.6	33.7	34.0	34.9	35.4	35.8	36.2	36.2	36.4	36.6
H94	29.7	29.7	29.8	30.0	32.1	34.1	34.9	35.7	36.3	36.3	36.7	37.1
H158	31.5	31.5	31.5	32.1	33.3	35.6	36.9	38.4	38.6	38.7	38.5	38.6
H162	29.4	29.4	29.5	30.2	31.8	34.4	35.8	37.2	37.6	37.6	37.6	37.8
H164	30.3	30.3	30.3	31.1	32.6	35.3	36.7	38.1	38.5	38.5	38.5	38.7
H165	30.3	30.3	30.3	31.1	32.6	35.3	36.7	38.2	38.5	38.6	38.6	38.7
H168	32.2	32.2	32.9	33.6	34.7	36.0	36.3	37.0	37.7	38.0	38.1	38.2
H173	33.2	33.2	33.8	34.4	35.7	37.2	37.7	38.4	39.1	39.3	39.5	39.6
H209	25.9	25.9	25.9	26.1	28.4	30.6	31.4	32.2	32.9	32.9	33.3	33.7
H222	18.6	18.6	18.6	18.9	21.1	23.5	24.3	25.2	26.0	26.0	26.3	26.7
H224	23.4	23.4	23.4	23.6	25.9	28.2	29.1	29.9	30.7	30.7	31.0	31.4

Table 11.9.16: Cumulative Predicted Noise Levels without Proposed Development for 90 Degree Sector - Night

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	34.8	34.8	34.8	35.9	36.9	39.9	41.7	43.5	43.8	43.8	43.7	43.8
H2	34.0	34.0	34.0	34.8	35.8	38.5	40.1	41.8	42.0	42.1	41.9	41.9
H3	40.7	40.7	40.7	40.9	41.9	43.0	43.9	45.1	45.0	45.2	44.2	44.2
H4	32.1	32.1	32.1	32.7	33.9	36.0	37.4	38.8	39.0	39.1	38.8	38.9
H5	31.0	31.0	31.0	31.7	33.0	35.5	36.8	38.3	38.6	38.7	38.5	38.6
H6	30.7	30.7	30.7	31.5	33.0	35.7	37.1	38.5	38.9	38.9	38.9	39.1
H10	30.1	30.1	30.1	30.9	32.7	35.4	36.7	38.0	38.5	38.5	38.7	38.8
H11	29.6	29.6	29.7	30.4	32.1	34.7	35.9	37.3	37.7	37.8	37.9	38.0
H12	29.8	29.8	29.8	30.5	32.2	34.8	36.1	37.4	37.9	37.9	38.0	38.2
H13	29.9	29.9	30.0	30.7	32.4	35.0	36.3	37.6	38.1	38.1	38.2	38.4
H14	29.3	29.3	29.3	30.0	31.7	34.3	35.6	36.9	37.4	37.4	37.5	37.7
H16	29.3	29.3	29.4	30.2	31.9	34.7	36.0	37.4	37.9	37.9	38.0	38.2
H22	27.5	27.5	27.6	27.9	29.9	32.0	32.8	33.7	34.3	34.3	34.6	35.0
H24	32.6	32.6	32.6	32.7	32.9	33.8	34.1	34.4	34.8	34.8	35.1	35.3
H27	21.5	21.5	21.5	21.7	24.0	26.2	27.0	27.8	28.5	28.5	28.9	29.3
H33	15.9	15.9	15.9	16.2	18.4	20.7	21.6	22.5	23.2	23.3	23.6	24.0
H34	29.7	29.7	29.8	30.4	32.2	34.8	36.0	37.3	37.8	37.8	37.9	38.1
H39	15.8	15.8	15.8	16.1	18.3	20.7	21.6	22.5	23.2	23.2	23.6	23.9
H45	32.8	32.8	33.3	33.9	35.3	36.8	37.3	38.1	38.7	39.0	39.1	39.3
H49	19.6	19.6	19.6	19.9	22.1	24.4	25.2	26.0	26.7	26.7	27.1	27.5
H52	29.3	29.3	29.3	29.3	29.6	30.3	30.7	31.0	31.4	31.4	31.6	31.8
H91	33.3	33.3	33.3	33.3	33.3	34.0	34.3	34.5	34.8	34.8	35.0	35.2
H94	29.4	29.4	29.4	29.6	31.6	33.7	34.4	35.1	35.8	35.8	36.2	36.6
H158	31.6	31.6	31.6	32.1	33.4	35.6	37.0	38.4	38.7	38.7	38.5	38.6
H162	29.5	29.5	29.6	30.3	31.8	34.5	35.8	37.2	37.6	37.7	37.7	37.8
H164	30.4	30.4	30.4	31.2	32.7	35.3	36.7	38.1	38.5	38.6	38.6	38.7
H165	30.4	30.4	30.4	31.2	32.7	35.4	36.7	38.2	38.6	38.6	38.6	38.8
H168	32.2	32.2	32.8	33.6	34.7	35.9	36.3	37.0	37.7	38.0	38.1	38.2
H173	32.8	32.8	33.3	33.9	35.3	36.8	37.3	38.1	38.7	39.0	39.1	39.3
H209	21.6	21.6	21.6	21.8	24.1	26.3	27.1	27.9	28.6	28.6	29.0	29.4
H222	16.2	16.2	16.2	16.5	18.7	21.0	21.8	22.7	23.5	23.5	23.8	24.2
H224	19.0	19.0	19.0	19.3	21.6	23.8	24.7	25.5	26.3	26.3	26.6	27.0

Table 11.9.17: Cumulative Predicted Noise Levels without Proposed Development for 120 Degree Sector - Night

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	35.3	35.3	35.3	36.3	37.2	40.2	41.9	43.6	43.9	43.9	43.8	43.8
H2	34.0	34.0	34.0	34.8	35.8	38.5	40.1	41.8	42.0	42.1	41.9	41.9
H3	40.7	40.7	40.7	40.9	41.9	43.0	43.9	45.1	45.0	45.2	44.2	44.2
H4	32.1	32.1	32.1	32.7	33.9	36.0	37.4	38.8	39.0	39.1	38.8	38.9
H5	31.0	31.0	31.0	31.7	33.0	35.5	36.8	38.3	38.6	38.7	38.5	38.6
H6	29.6	29.6	29.6	30.6	32.2	35.2	36.7	38.2	38.6	38.6	38.7	38.9
H10	29.6	29.6	29.7	30.5	32.3	35.1	36.4	37.8	38.2	38.2	38.4	38.6
H11	29.0	29.0	29.1	29.9	31.6	34.4	35.7	37.1	37.6	37.6	37.7	37.9
H12	29.1	29.1	29.2	30.0	31.8	34.6	35.9	37.2	37.7	37.7	37.9	38.1
H13	29.4	29.4	29.4	30.2	32.0	34.8	36.1	37.5	37.9	37.9	38.1	38.3
H14	28.7	28.7	28.8	29.6	31.3	34.1	35.4	36.7	37.2	37.2	37.4	37.6
H16	28.8	28.8	28.9	29.8	31.5	34.4	35.8	37.3	37.7	37.7	37.9	38.1
H22	25.8	25.8	25.9	26.1	28.0	30.0	30.6	31.3	32.0	32.0	32.4	32.8
H24	32.1	32.1	32.1	32.1	32.1	32.5	32.7	32.8	33.0	33.0	33.2	33.3
H27	19.2	19.2	19.3	19.5	21.7	23.9	24.6	25.4	26.1	26.1	26.5	26.9
H33	15.6	15.6	15.6	15.9	18.1	20.4	21.2	22.1	22.8	22.8	23.2	23.6
H34	29.2	29.2	29.2	30.0	31.8	34.5	35.7	37.0	37.5	37.5	37.7	37.9
H39	15.0	15.0	15.0	15.3	17.5	19.8	20.7	21.6	22.3	22.3	22.7	23.0
H45	32.3	32.3	32.8	33.4	34.7	36.1	36.5	37.1	37.8	38.1	38.2	38.4
H49	17.6	17.6	17.6	17.8	20.0	22.2	22.9	23.8	24.5	24.5	24.9	25.2
H52	28.8	28.8	28.8	28.9	28.8	29.2	29.4	29.5	29.8	29.8	29.9	30.0
H91	32.9	32.9	33.0	33.0	32.8	33.1	33.3	33.3	33.5	33.6	33.7	33.7
H94	26.2	26.2	26.2	26.4	28.2	30.0	30.6	31.3	32.0	32.0	32.4	32.8
H158	31.6	31.6	31.6	32.1	33.4	35.6	37.0	38.4	38.7	38.7	38.5	38.6
H162	29.0	29.0	29.0	29.8	31.5	34.2	35.6	37.1	37.5	37.5	37.6	37.7
H164	29.3	29.3	29.3	30.3	31.9	34.9	36.3	37.8	38.2	38.2	38.3	38.5
H165	29.4	29.4	29.4	30.3	32.0	34.9	36.4	37.9	38.3	38.3	38.4	38.6
H168	31.4	31.4	32.1	32.7	33.9	35.1	35.4	36.0	36.7	37.0	37.2	37.3
H173	32.3	32.3	32.8	33.4	34.7	36.1	36.5	37.1	37.8	38.1	38.2	38.4
H209	19.4	19.4	19.4	19.6	21.8	24.0	24.7	25.5	26.2	26.2	26.6	27.0
H222	15.7	15.7	15.7	16.0	18.2	20.5	21.3	22.2	22.9	22.9	23.3	23.6
H224	16.8	16.8	16.8	17.1	19.2	21.5	22.3	23.2	23.9	23.9	24.2	24.6

Table 11.9.18: Cumulative Predicted Noise Levels without Proposed Development for 150 Degree Sector - Night

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	35.3	35.3	35.3	36.3	37.2	40.2	41.9	43.6	43.9	43.9	43.8	43.8
H2	34.0	34.0	34.0	34.8	35.8	38.5	40.1	41.8	42.0	42.1	41.9	41.9
H3	40.7	40.7	40.7	40.8	41.9	43.0	43.9	45.0	44.9	45.2	44.1	44.2
H4	31.4	31.4	31.4	32.0	33.3	35.5	36.9	38.3	38.6	38.6	38.4	38.5
H5	29.4	29.4	29.4	30.3	31.7	34.6	36.0	37.5	37.9	37.9	37.9	38.0
H6	28.7	28.7	28.8	29.6	31.4	34.3	35.7	37.1	37.5	37.6	37.7	37.9
H10	28.9	28.9	29.0	29.5	31.5	33.9	34.9	36.0	36.5	36.6	36.8	37.1
H11	28.1	28.1	28.2	28.7	30.6	33.0	34.1	35.2	35.7	35.7	36.0	36.3
H12	28.3	28.3	28.4	28.9	30.8	33.2	34.2	35.3	35.9	35.9	36.2	36.4
H13	28.5	28.5	28.6	29.1	31.1	33.5	34.5	35.5	36.1	36.1	36.4	36.7
H14	27.9	27.9	28.0	28.5	30.5	32.9	33.8	34.9	35.5	35.5	35.8	36.1
H16	27.9	27.9	27.9	28.5	30.5	32.9	34.0	35.1	35.7	35.7	36.0	36.2
H22	22.6	22.6	22.8	23.1	24.5	26.2	26.8	27.5	28.1	28.2	28.5	28.8
H24	32.0	32.0	32.0	32.0	31.8	32.1	32.2	32.2	32.4	32.4	32.5	32.6
H27	19.3	19.3	19.3	19.6	21.5	23.6	24.3	25.1	25.7	25.8	26.1	26.5
H33	16.9	16.9	17.0	17.2	19.4	21.6	22.4	23.2	24.0	24.0	24.3	24.7
H34	28.5	28.5	28.5	29.0	31.0	33.4	34.3	35.3	35.9	35.9	36.2	36.5
H39	15.8	15.8	15.9	16.2	18.3	20.5	21.3	22.2	22.9	23.0	23.3	23.7
H45	31.2	31.2	31.8	32.5	33.6	34.7	35.0	35.5	36.2	36.6	36.7	36.8
H49	17.9	17.9	17.9	18.1	20.0	22.0	22.7	23.5	24.2	24.2	24.5	24.9
H52	28.8	28.8	28.8	28.8	28.7	28.9	29.1	29.2	29.3	29.4	29.5	29.5
H91	32.9	32.9	32.9	32.9	32.6	32.9	33.0	33.0	33.2	33.2	33.3	33.3
H94	23.8	23.8	23.9	24.1	25.4	26.9	27.5	28.1	28.7	28.7	29.1	29.4
H158	30.8	30.8	30.8	31.4	32.7	35.1	36.4	37.9	38.2	38.2	38.0	38.2
H162	27.9	27.9	27.9	28.7	30.5	33.2	34.5	35.8	36.3	36.3	36.5	36.7
H164	28.4	28.4	28.5	29.3	31.1	34.0	35.3	36.7	37.1	37.1	37.3	37.5
H165	28.5	28.5	28.6	29.4	31.2	34.0	35.4	36.8	37.2	37.2	37.4	37.6
H168	30.2	30.2	30.9	31.6	32.6	33.7	33.9	34.5	35.1	35.5	35.6	35.7
H173	31.1	31.1	31.8	32.5	33.6	34.7	34.9	35.5	36.2	36.6	36.7	36.8
H209	19.6	19.6	19.7	19.9	21.7	23.7	24.4	25.2	25.9	25.9	26.2	26.6
H222	16.9	16.9	16.9	17.2	19.3	21.5	22.3	23.2	23.9	23.9	24.3	24.6
H224	17.0	17.0	17.0	17.3	19.1	21.2	21.9	22.8	23.5	23.5	23.8	24.2

Table 11.9.19: Cumulative Predicted Noise Levels without Proposed Development for 180 Degree Sector - Night

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	34.6	34.6	34.6	35.7	36.8	39.9	42.6	43.7	43.7	43.8	43.6	43.7
H2	33.5	33.5	33.5	34.4	35.5	38.3	40.7	41.8	41.9	41.9	41.7	41.8
H3	40.6	40.6	40.6	40.7	41.8	42.8	43.9	44.8	44.7	44.9	43.8	43.8
H4	29.9	29.9	29.9	30.4	31.7	33.8	35.5	36.5	36.6	36.7	36.5	36.6
H5	27.7	27.7	27.7	28.3	30.0	32.4	34.1	35.0	35.3	35.4	35.4	35.6
H6	27.3	27.3	27.4	27.9	29.9	32.3	33.7	34.5	34.9	35.0	35.2	35.5
H10	27.2	27.2	27.3	27.7	29.7	31.8	32.8	33.5	34.0	34.1	34.4	34.7
H11	26.3	26.3	26.4	26.8	28.8	30.9	32.0	32.7	33.2	33.2	33.5	33.8
H12	26.5	26.5	26.6	27.0	29.0	31.1	32.1	32.9	33.4	33.4	33.7	34.0
H13	26.7	26.7	26.8	27.2	29.2	31.3	32.3	33.0	33.6	33.6	33.9	34.2
H14	25.8	25.8	25.9	26.3	28.3	30.4	31.5	32.2	32.7	32.8	33.1	33.4
H16	25.3	25.3	25.4	25.9	27.8	30.1	31.3	32.1	32.5	32.6	32.9	33.1
H22	21.5	21.5	21.7	22.1	23.2	24.7	25.4	25.9	26.4	26.5	26.8	27.0
H24	31.9	31.9	31.9	31.9	31.7	32.0	32.2	32.1	32.2	32.3	32.3	32.4
H27	20.7	20.7	20.7	20.9	22.8	24.8	25.7	26.3	26.9	26.9	27.3	27.7
H33	20.1	20.1	20.2	20.4	22.6	24.8	25.7	26.4	27.1	27.1	27.5	27.9
H34	26.0	26.0	26.1	26.5	28.5	30.6	31.7	32.4	32.9	32.9	33.2	33.5
H39	18.5	18.5	18.5	18.8	20.9	23.1	24.1	24.8	25.5	25.5	25.9	26.2
H45	30.9	30.9	31.6	32.4	33.3	34.3	34.6	35.1	35.7	36.2	36.2	36.3
H49	19.3	19.3	19.3	19.5	21.3	23.2	24.1	24.8	25.4	25.4	25.7	26.1
H52	29.0	29.0	29.0	29.1	28.9	29.1	29.3	29.3	29.5	29.5	29.6	29.7
H91	32.9	32.9	32.9	32.9	32.6	32.9	33.0	33.0	33.1	33.2	33.2	33.3
H94	23.2	23.2	23.3	23.6	24.6	26.0	26.6	27.1	27.6	27.7	28.0	28.3
H158	29.0	29.0	29.0	29.6	31.1	33.3	35.0	36.0	36.2	36.2	36.1	36.3
H162	26.3	26.3	26.4	26.9	28.8	31.1	32.4	33.2	33.7	33.7	34.0	34.3
H164	27.0	27.0	27.1	27.6	29.5	31.9	33.3	34.1	34.5	34.5	34.8	35.1
H165	27.1	27.1	27.2	27.7	29.6	32.0	33.4	34.2	34.6	34.7	34.9	35.2
H168	29.7	29.7	30.4	31.2	32.1	33.1	33.3	33.8	34.4	34.9	34.9	35.0
H173	30.8	30.8	31.6	32.3	33.3	34.3	34.5	35.1	35.7	36.1	36.2	36.2
H209	20.7	20.7	20.8	21.0	22.8	24.8	25.8	26.4	27.0	27.0	27.4	27.7
H222	20.0	20.0	20.0	20.2	22.4	24.6	25.5	26.2	26.9	26.9	27.3	27.7
H224	18.3	18.3	18.4	18.6	20.4	22.3	23.3	24.0	24.6	24.6	24.9	25.3

Table 11.9.20: Cumulative Predicted Noise Levels without Proposed Development for 210 Degree Sector - Night

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	34.0	34.0	34.0	35.1	36.6	39.8	42.7	43.1	43.1	43.2	43.0	43.0
H2	32.8	32.8	32.8	33.5	34.9	37.5	39.9	40.4	40.4	40.5	40.3	40.3
H3	40.5	40.5	40.5	40.6	41.6	42.5	43.5	44.3	44.1	44.3	43.1	43.1
H4	28.1	28.1	28.2	28.5	29.8	31.5	33.1	33.7	33.8	33.9	33.5	33.6
H5	25.0	25.0	25.0	25.6	27.2	29.4	31.2	31.7	31.9	32.0	32.0	32.2
H6	24.2	24.2	24.3	24.9	26.7	29.1	30.9	31.3	31.7	31.7	31.8	32.1
H10	24.3	24.3	24.6	25.1	26.8	28.9	30.2	30.7	31.1	31.2	31.3	31.6
H11	23.4	23.4	23.7	24.3	25.9	28.0	29.3	29.8	30.2	30.3	30.5	30.7
H12	23.6	23.6	23.9	24.5	26.1	28.2	29.5	30.0	30.4	30.5	30.6	30.9
H13	23.8	23.8	24.1	24.7	26.3	28.4	29.7	30.2	30.6	30.7	30.8	31.1
H14	22.8	22.8	23.0	23.6	25.3	27.4	28.8	29.2	29.6	29.7	29.9	30.1
H16	22.6	22.6	22.8	23.5	25.1	27.4	28.9	29.4	29.7	29.8	30.0	30.2
H22	21.8	21.8	22.1	22.6	23.7	25.1	25.9	26.3	26.8	27.0	27.2	27.4
H24	31.9	31.9	32.0	32.0	31.8	32.1	32.3	32.3	32.4	32.5	32.5	32.6
H27	23.4	23.4	23.5	23.8	25.8	27.9	29.0	29.4	30.0	30.1	30.4	30.8
H33	24.6	24.6	24.6	24.8	27.2	29.4	30.5	31.0	31.7	31.7	32.1	32.5
H34	23.2	23.2	23.5	24.1	25.7	27.8	29.1	29.6	30.0	30.1	30.3	30.5
H39	22.7	22.7	22.7	23.0	25.3	27.6	28.8	29.2	29.9	29.9	30.3	30.7
H45	31.1	31.1	31.9	32.6	33.6	34.6	34.8	35.3	35.9	36.4	36.4	36.5
H49	21.9	21.9	21.9	22.2	24.2	26.3	27.4	27.8	28.5	28.5	28.8	29.2
H52	29.6	29.6	29.6	29.6	29.4	29.8	30.0	30.0	30.2	30.2	30.3	30.4
H91	32.9	32.9	32.9	32.9	32.7	33.0	33.2	33.2	33.3	33.4	33.4	33.5
H94	23.9	23.9	24.1	24.4	25.5	26.8	27.5	27.9	28.3	28.5	28.7	29.0
H158	26.8	26.8	26.8	27.2	28.7	30.6	32.2	32.8	32.9	33.0	32.8	32.9
H162	23.1	23.1	23.3	23.9	25.6	27.9	29.4	29.9	30.3	30.3	30.5	30.7
H164	23.8	23.8	24.0	24.6	26.4	28.7	30.4	30.8	31.2	31.2	31.4	31.6
H165	23.9	23.9	24.1	24.7	26.5	28.8	30.5	30.9	31.3	31.3	31.5	31.7
H168	29.5	29.5	30.3	31.1	32.0	33.0	33.2	33.7	34.3	34.8	34.8	34.8
H173	31.1	31.1	31.8	32.6	33.5	34.5	34.8	35.3	35.9	36.4	36.4	36.4
H209	23.5	23.5	23.5	23.8	25.9	28.0	29.1	29.5	30.1	30.1	30.5	30.8
H222	24.3	24.3	24.3	24.6	26.9	29.2	30.3	30.8	31.4	31.5	31.8	32.2
H224	20.9	20.9	21.0	21.3	23.3	25.4	26.5	27.0	27.6	27.6	27.9	28.3

Table 11.9.21: Cumulative Predicted Noise Levels without Proposed Development for 240 Degree Sector - Night

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	33.3	33.3	33.3	34.4	36.3	39.6	41.6	42.1	42.1	42.1	41.9	41.9
H2	32.0	32.0	32.0	32.5	34.1	36.5	38.1	38.6	38.6	38.7	38.3	38.3
H3	40.4	40.4	40.5	40.5	41.5	42.3	43.2	44.0	43.8	44.0	42.6	42.6
H4	27.2	27.2	27.3	27.5	28.9	30.5	31.6	32.2	32.2	32.4	31.7	31.8
H5	23.7	23.7	23.8	24.3	25.9	28.2	29.6	30.1	30.2	30.3	30.1	30.2
H6	23.0	23.0	23.2	24.0	25.7	28.3	29.7	30.1	30.4	30.4	30.4	30.6
H10	23.5	23.5	23.8	24.5	26.1	28.3	29.4	29.9	30.2	30.3	30.4	30.5
H11	21.8	21.8	22.0	22.7	24.4	26.8	28.1	28.5	28.8	28.9	29.0	29.1
H12	21.9	21.9	22.2	22.9	24.6	27.0	28.2	28.7	29.0	29.1	29.1	29.3
H13	22.1	22.1	22.4	23.1	24.8	27.2	28.4	28.9	29.2	29.3	29.3	29.5
H14	21.1	21.1	21.4	22.0	23.9	26.3	27.5	28.0	28.3	28.4	28.5	28.7
H16	21.1	21.1	21.3	22.1	23.9	26.5	27.9	28.4	28.6	28.7	28.8	29.0
H22	24.2	24.2	24.7	25.4	26.6	28.0	28.6	29.0	29.5	29.8	29.9	30.0
H24	32.1	32.1	32.1	32.2	32.1	32.7	33.0	33.0	33.1	33.2	33.3	33.4
H27	27.4	27.4	27.4	27.7	30.1	32.4	33.4	33.8	34.4	34.4	34.8	35.2
H33	25.5	25.5	25.5	25.8	28.2	30.7	31.7	32.1	32.8	32.8	33.1	33.5
H34	21.6	21.6	21.9	22.5	24.4	26.8	28.0	28.4	28.8	28.9	29.0	29.2
H39	24.9	24.9	24.9	25.2	27.6	30.1	31.2	31.6	32.2	32.3	32.6	33.0
H45	31.7	31.7	32.4	33.2	34.2	35.2	35.4	35.9	36.6	37.0	37.0	37.1
H49	25.9	25.9	25.9	26.1	28.5	30.9	31.8	32.3	32.9	32.9	33.3	33.6
H52	29.9	29.9	29.9	29.9	30.0	30.6	31.0	31.1	31.3	31.4	31.5	31.6
H91	33.1	33.1	33.1	33.1	33.1	33.5	33.8	33.8	34.0	34.1	34.2	34.3
H94	25.2	25.2	25.7	26.2	27.6	29.2	29.8	30.2	30.7	30.9	31.1	31.3
H158	25.6	25.6	25.7	26.0	27.4	29.2	30.4	31.0	31.1	31.2	30.7	30.8
H162	21.2	21.2	21.4	22.1	23.9	26.4	27.8	28.3	28.5	28.6	28.6	28.8
H164	22.3	22.3	22.4	23.1	24.9	27.5	28.9	29.4	29.6	29.7	29.7	29.8
H165	22.3	22.3	22.5	23.1	25.0	27.6	29.0	29.4	29.7	29.7	29.7	29.9
H168	29.8	29.8	30.5	31.3	32.3	33.3	33.5	34.0	34.6	35.1	35.1	35.1
H173	31.6	31.6	32.4	33.2	34.1	35.2	35.4	35.9	36.6	37.0	37.0	37.1
H209	27.5	27.5	27.5	27.8	30.1	32.5	33.5	33.9	34.5	34.5	34.9	35.3
H222	25.6	25.6	25.6	25.9	28.3	30.7	31.7	32.2	32.8	32.8	33.2	33.6
H224	24.8	24.8	24.9	25.2	27.5	29.9	30.9	31.4	32.0	32.0	32.3	32.7

Table 11.9.22: Cumulative Predicted Noise Levels without Proposed Development for 270 Degree Sector - Night

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	33.0	33.0	33.0	34.0	36.2	39.4	41.1	41.6	41.5	41.6	41.4	41.4
H2	30.4	30.4	30.5	31.0	32.8	35.2	36.8	37.3	37.2	37.3	36.9	36.9
H3	40.4	40.4	40.4	40.5	41.5	42.3	43.1	43.9	43.7	43.9	42.5	42.5
H4	27.2	27.2	27.2	27.4	28.8	30.3	31.4	32.1	32.0	32.1	31.4	31.4
H5	23.7	23.7	23.8	24.2	25.9	28.1	29.4	29.9	30.0	30.1	29.7	29.8
H6	23.7	23.7	23.8	24.4	26.2	28.7	30.1	30.6	30.7	30.8	30.6	30.7
H10	23.7	23.7	23.9	24.4	26.3	28.7	30.0	30.5	30.6	30.7	30.6	30.7
H11	21.9	21.9	22.0	22.6	24.6	27.2	28.6	29.0	29.2	29.3	29.2	29.3
H12	22.0	22.0	22.1	22.7	24.7	27.3	28.7	29.1	29.3	29.4	29.3	29.4
H13	22.1	22.1	22.2	22.8	24.9	27.5	28.8	29.3	29.5	29.5	29.5	29.6
H14	21.3	21.3	21.4	22.0	24.1	26.7	28.0	28.5	28.7	28.8	28.7	28.9
H16	21.3	21.3	21.4	22.2	24.3	27.2	28.6	29.1	29.3	29.3	29.3	29.4
H22	26.2	26.2	26.8	27.6	28.9	30.5	31.1	31.6	32.0	32.3	32.4	32.5
H24	32.5	32.5	32.5	32.6	32.9	33.9	34.4	34.5	34.8	34.9	35.0	35.2
H27	28.5	28.5	28.6	28.8	31.3	33.6	34.5	34.9	35.6	35.6	35.9	36.3
H33	25.5	25.5	25.5	25.8	28.3	30.7	31.7	32.1	32.8	32.8	33.1	33.5
H34	21.6	21.6	21.7	22.4	24.5	27.2	28.6	29.0	29.3	29.3	29.3	29.5
H39	24.9	24.9	24.9	25.2	27.7	30.2	31.2	31.6	32.2	32.3	32.6	33.0
H45	32.1	32.1	32.8	33.6	34.6	35.8	36.1	36.6	37.2	37.6	37.6	37.7
H49	26.9	26.9	26.9	27.2	29.6	32.0	32.9	33.3	34.0	34.0	34.3	34.7
H52	30.5	30.5	30.5	30.6	31.2	32.4	32.9	33.1	33.5	33.6	33.8	34.0
H91	33.5	33.5	33.5	33.6	33.8	34.8	35.3	35.4	35.7	35.8	35.9	36.1
H94	26.8	26.8	27.1	27.7	29.5	31.6	32.4	32.8	33.3	33.4	33.7	33.9
H158	25.5	25.5	25.5	25.8	27.2	29.0	30.1	30.7	30.7	30.9	30.2	30.3
H162	21.2	21.2	21.3	21.9	23.9	26.6	28.0	28.4	28.6	28.6	28.6	28.7
H164	23.3	23.3	23.3	23.8	25.7	28.1	29.5	30.0	30.1	30.1	29.9	30.0
H165	23.2	23.2	23.2	23.8	25.7	28.1	29.5	30.0	30.1	30.2	29.9	30.1
H168	30.5	30.5	31.3	32.1	33.1	34.1	34.4	34.9	35.5	36.0	36.0	36.0
H173	32.1	32.1	32.8	33.6	34.6	35.8	36.1	36.6	37.2	37.6	37.7	37.7
H209	28.6	28.6	28.6	28.9	31.3	33.7	34.6	35.0	35.6	35.6	36.0	36.4
H222	25.6	25.6	25.6	25.9	28.4	30.8	31.7	32.2	32.8	32.8	33.2	33.6
H224	26.1	26.1	26.1	26.4	28.8	31.3	32.2	32.6	33.2	33.3	33.6	34.0

Table 11.9.23: Cumulative Predicted Noise Levels without Proposed Development for 300 Degree Sector - Night

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	32.2	32.2	32.2	33.4	35.7	39.0	40.8	41.2	41.2	41.3	41.1	41.1
H2	29.5	29.5	29.5	30.2	32.1	34.7	36.3	36.8	36.7	36.8	36.4	36.5
H3	40.4	40.4	40.4	40.5	41.5	42.3	43.1	44.0	43.7	44.0	42.6	42.6
H4	28.2	28.2	28.2	28.4	29.8	31.3	32.4	33.1	33.0	33.2	32.4	32.4
H5	25.9	25.9	25.9	26.3	27.9	29.9	31.2	31.8	31.7	31.9	31.4	31.4
H6	27.1	27.1	27.1	27.6	29.3	31.5	32.8	33.3	33.3	33.4	33.0	33.1
H10	25.4	25.4	25.5	26.2	28.4	31.2	32.7	33.2	33.3	33.3	33.2	33.2
H11	25.0	25.0	25.0	25.6	27.6	30.2	31.6	32.1	32.2	32.2	32.0	32.1
H12	25.0	25.0	25.0	25.6	27.6	30.2	31.7	32.1	32.2	32.3	32.1	32.2
H13	25.1	25.1	25.1	25.7	27.7	30.4	31.8	32.3	32.4	32.4	32.3	32.4
H14	24.3	24.3	24.3	24.9	26.9	29.6	31.0	31.5	31.6	31.6	31.5	31.6
H16	24.4	24.4	24.4	25.2	27.3	30.2	31.8	32.2	32.3	32.4	32.2	32.3
H22	27.8	27.8	28.2	28.9	30.6	32.6	33.4	33.9	34.3	34.5	34.7	34.9
H24	33.0	33.0	33.0	33.1	33.6	34.8	35.3	35.5	35.9	36.0	36.2	36.4
H27	28.5	28.5	28.6	28.8	31.3	33.6	34.5	34.9	35.6	35.6	35.9	36.3
H33	25.5	25.5	25.5	25.8	28.3	30.7	31.7	32.1	32.8	32.8	33.1	33.5
H34	24.6	24.6	24.6	25.3	27.5	30.3	31.8	32.2	32.3	32.4	32.3	32.4
H39	24.9	24.9	24.9	25.2	27.7	30.2	31.2	31.6	32.2	32.3	32.6	33.0
H45	32.6	32.6	33.2	34.0	35.3	36.7	37.3	37.8	38.3	38.6	38.7	38.8
H49	26.9	26.9	26.9	27.2	29.6	32.0	32.9	33.3	34.0	34.0	34.3	34.7
H52	30.7	30.7	30.7	30.8	31.4	32.7	33.2	33.5	33.9	33.9	34.2	34.4
H91	33.7	33.7	33.7	33.8	34.2	35.2	35.7	35.9	36.3	36.3	36.5	36.7
H94	29.6	29.6	29.8	30.1	32.4	34.5	35.3	35.8	36.3	36.4	36.7	37.1
H158	26.7	26.7	26.7	27.0	28.4	30.2	31.3	32.0	31.9	32.1	31.4	31.5
H162	24.4	24.4	24.4	24.9	26.8	29.2	30.6	31.1	31.2	31.2	31.0	31.0
H164	26.8	26.8	26.8	27.2	28.9	31.0	32.3	32.8	32.8	32.9	32.5	32.6
H165	26.7	26.7	26.7	27.1	28.8	30.9	32.3	32.8	32.8	32.9	32.5	32.6
H168	31.6	31.6	32.3	33.1	34.2	35.5	35.9	36.4	36.9	37.3	37.4	37.4
H173	32.6	32.6	33.2	34.0	35.3	36.7	37.3	37.8	38.3	38.6	38.7	38.8
H209	28.6	28.6	28.6	28.9	31.4	33.7	34.6	35.0	35.6	35.6	36.0	36.4
H222	25.6	25.6	25.6	25.9	28.4	30.8	31.7	32.2	32.8	32.8	33.2	33.6
H224	26.1	26.1	26.1	26.4	28.9	31.3	32.2	32.6	33.2	33.3	33.6	34.0

Table 11.9.24: Cumulative Predicted Noise Levels without Proposed Development for 330 Degree Sector - Night

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	32.2	32.2	32.2	33.4	35.6	39.1	39.8	41.4	41.4	41.4	41.3	41.3
H2	29.7	29.7	29.7	30.5	32.2	35.1	35.8	37.2	37.2	37.3	37.0	37.0
H3	40.5	40.5	40.5	40.5	41.6	42.5	43.2	44.2	43.9	44.2	42.8	42.8
H4	30.2	30.2	30.2	30.5	31.9	33.8	34.4	35.6	35.6	35.7	35.0	35.1
H5	29.2	29.2	29.2	29.6	31.1	33.3	34.0	35.2	35.2	35.3	34.8	34.8
H6	28.2	28.2	28.2	29.0	31.1	34.2	34.8	36.2	36.3	36.3	36.1	36.2
H10	27.2	27.2	27.2	28.4	30.8	34.3	35.0	36.5	36.5	36.6	36.5	36.6
H11	26.8	26.8	26.8	27.9	30.2	33.6	34.3	35.7	35.8	35.8	35.8	35.8
H12	26.8	26.8	26.8	27.9	30.3	33.7	34.4	35.8	35.9	35.9	35.9	35.9
H13	27.0	27.0	27.0	28.1	30.4	33.9	34.6	36.0	36.1	36.1	36.1	36.1
H14	26.2	26.2	26.2	27.3	29.7	33.1	33.8	35.2	35.3	35.3	35.3	35.4
H16	26.6	26.6	26.7	27.9	30.4	34.0	34.7	36.1	36.2	36.2	36.2	36.3
H22	28.8	28.8	29.2	29.7	31.6	33.6	34.0	34.8	35.4	35.5	35.7	36.0
H24	33.0	33.0	33.0	33.1	33.6	34.8	35.1	35.5	36.0	36.0	36.2	36.4
H27	28.5	28.5	28.5	28.7	31.2	33.6	34.1	34.9	35.5	35.6	35.9	36.3
H33	25.4	25.4	25.5	25.7	28.3	30.7	31.3	32.1	32.8	32.8	33.1	33.5
H34	26.6	26.6	26.6	27.6	30.1	33.5	34.2	35.6	35.7	35.7	35.7	35.8
H39	24.8	24.8	24.8	25.2	27.7	30.2	30.8	31.6	32.2	32.2	32.6	33.0
H45	33.3	33.3	33.9	34.6	36.0	37.5	37.9	38.6	39.2	39.4	39.6	39.7
H49	26.8	26.8	26.8	27.1	29.6	32.0	32.5	33.3	33.9	34.0	34.3	34.7
H52	30.7	30.7	30.7	30.8	31.4	32.7	33.0	33.5	33.9	33.9	34.2	34.4
H91	33.7	33.7	33.7	33.8	34.2	35.2	35.5	35.9	36.3	36.3	36.5	36.7
H94	29.8	29.8	30.0	30.4	32.6	34.7	35.2	36.0	36.6	36.6	37.0	37.3
H158	29.3	29.3	29.3	29.6	31.1	33.0	33.7	34.9	34.8	35.0	34.4	34.4
H162	26.8	26.8	26.8	27.6	29.7	32.7	33.4	34.7	34.8	34.8	34.6	34.7
H164	27.9	27.9	27.9	28.7	30.7	33.7	34.4	35.8	35.8	35.9	35.7	35.7
H165	27.8	27.8	27.8	28.6	30.7	33.7	34.4	35.8	35.8	35.9	35.7	35.7
H168	32.1	32.1	32.8	33.5	34.7	36.1	36.4	37.0	37.6	38.0	38.0	38.1
H173	33.3	33.3	33.9	34.6	36.0	37.6	37.9	38.6	39.2	39.5	39.6	39.8
H209	28.5	28.5	28.6	28.8	31.3	33.7	34.2	35.0	35.6	35.6	36.0	36.4
H222	25.5	25.5	25.5	25.8	28.3	30.8	31.4	32.2	32.8	32.8	33.2	33.6
H224	26.0	26.0	26.0	26.3	28.8	31.2	31.8	32.6	33.2	33.2	33.6	34.0

Technical Appendix 11.10: Directional Predictions for Proposed Development

Table 11.10.1: Predicted Noise Levels for Proposed Development for 0 Degree Sector - Vestas Option

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	8.2	8.2	8.2	11.9	16.9	20.0	20.3	20.3	20.3	20.3	20.3	20.3
H2	7.8	7.8	7.8	11.5	16.5	19.6	19.9	19.9	19.9	19.9	19.9	19.9
H3	10.3	10.3	10.3	14.0	19.0	22.1	22.4	22.4	22.4	22.4	22.4	22.4
H4	11.4	11.4	11.4	15.1	20.1	23.2	23.5	23.5	23.5	23.5	23.5	23.5
H5	13.8	13.8	13.8	17.5	22.5	25.6	25.9	25.9	25.9	25.9	25.9	25.9
H6	16.9	16.9	16.9	20.6	25.6	28.7	29.0	29.0	29.0	29.0	29.0	29.0
H10	19.9	19.9	19.9	23.6	28.6	31.7	32.0	32.0	32.0	32.0	32.0	32.0
H11	18.1	18.1	18.1	21.8	26.8	29.9	30.2	30.2	30.2	30.2	30.2	30.2
H12	18.5	18.5	18.5	22.2	27.2	30.3	30.6	30.6	30.6	30.6	30.6	30.6
H13	18.9	18.9	18.9	22.6	27.6	30.7	31.0	31.0	31.0	31.0	31.0	31.0
H14	18.3	18.3	18.3	22.0	27.0	30.1	30.4	30.4	30.4	30.4	30.4	30.4
H16	18.0	18.0	18.0	21.7	26.7	29.8	30.1	30.1	30.1	30.1	30.1	30.1
H22	23.1	23.1	23.1	26.8	31.8	34.9	35.2	35.2	35.2	35.2	35.2	35.2
H24	20.4	20.4	20.4	24.1	29.1	32.2	32.5	32.5	32.5	32.5	32.5	32.5
H27	26.2	26.2	26.2	29.9	34.9	38.0	38.3	38.3	38.3	38.3	38.3	38.3
H33	20.4	20.4	20.4	24.1	29.1	32.2	32.5	32.5	32.5	32.5	32.5	32.5
H34	19.8	19.8	19.8	23.5	28.5	31.6	31.9	31.9	31.9	31.9	31.9	31.9
H39	19.9	19.9	19.9	23.6	28.6	31.7	32.0	32.0	32.0	32.0	32.0	32.0
H45	23.8	23.8	23.8	27.5	32.5	35.6	35.9	35.9	35.9	35.9	35.9	35.9
H49	24.4	24.4	24.4	28.1	33.1	36.2	36.5	36.5	36.5	36.5	36.5	36.5
H52	20.7	20.7	20.7	24.4	29.4	32.5	32.8	32.8	32.8	32.8	32.8	32.8
H91	21.0	21.0	21.0	24.7	29.7	32.8	33.1	33.1	33.1	33.1	33.1	33.1
H94	24.5	24.5	24.5	28.2	33.2	36.3	36.6	36.6	36.6	36.6	36.6	36.6
H158	11.2	11.2	11.2	14.9	19.9	23.0	23.3	23.3	23.3	23.3	23.3	23.3
H162	15.2	15.2	15.2	18.9	23.9	27.0	27.3	27.3	27.3	27.3	27.3	27.3
H164	16.1	16.1	16.1	19.8	24.8	27.9	28.2	28.2	28.2	28.2	28.2	28.2
H165	16.4	16.4	16.4	20.1	25.1	28.2	28.5	28.5	28.5	28.5	28.5	28.5
H168	21.7	21.7	21.7	25.4	30.4	33.5	33.8	33.8	33.8	33.8	33.8	33.8
H173	24.0	24.0	24.0	27.7	32.7	35.8	36.1	36.1	36.1	36.1	36.1	36.1
H209	26.3	26.3	26.3	30.0	35.0	38.1	38.4	38.4	38.4	38.4	38.4	38.4
H222	20.2	20.2	20.2	23.9	28.9	32.0	32.3	32.3	32.3	32.3	32.3	32.3
H224	24.1	24.1	24.1	27.8	32.8	35.9	36.2	36.2	36.2	36.2	36.2	36.2

Table 11.10.2: Predicted Noise Levels for Proposed Development for 30 Degree Sector - Vestas Option

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	11.6	11.6	11.6	15.3	20.3	23.4	23.7	23.7	23.7	23.7	23.7	23.7
H2	11.2	11.2	11.2	14.9	19.9	23.0	23.3	23.3	23.3	23.3	23.3	23.3
H3	13.9	13.9	13.9	17.6	22.6	25.7	26.0	26.0	26.0	26.0	26.0	26.0
H4	15.6	15.6	15.6	19.3	24.3	27.4	27.7	27.7	27.7	27.7	27.7	27.7
H5	17.7	17.7	17.7	21.4	26.4	29.5	29.8	29.8	29.8	29.8	29.8	29.8
H6	20.0	20.0	20.0	23.7	28.7	31.8	32.1	32.1	32.1	32.1	32.1	32.1
H10	21.9	21.9	21.9	25.6	30.6	33.7	34.0	34.0	34.0	34.0	34.0	34.0
H11	20.6	20.6	20.6	24.3	29.3	32.4	32.7	32.7	32.7	32.7	32.7	32.7
H12	20.9	20.9	20.9	24.6	29.6	32.7	33.0	33.0	33.0	33.0	33.0	33.0
H13	21.2	21.2	21.2	24.9	29.9	33.0	33.3	33.3	33.3	33.3	33.3	33.3
H14	20.7	20.7	20.7	24.4	29.4	32.5	32.8	32.8	32.8	32.8	32.8	32.8
H16	20.5	20.5	20.5	24.2	29.2	32.3	32.6	32.6	32.6	32.6	32.6	32.6
H22	23.1	23.1	23.1	26.8	31.8	34.9	35.2	35.2	35.2	35.2	35.2	35.2
H24	20.4	20.4	20.4	24.1	29.1	32.2	32.5	32.5	32.5	32.5	32.5	32.5
H27	25.8	25.8	25.8	29.5	34.5	37.6	37.9	37.9	37.9	37.9	37.9	37.9
H33	17.9	17.9	17.9	21.6	26.6	29.7	30.0	30.0	30.0	30.0	30.0	30.0
H34	21.5	21.5	21.5	25.2	30.2	33.3	33.6	33.6	33.6	33.6	33.6	33.6
H39	17.9	17.9	17.9	21.6	26.6	29.7	30.0	30.0	30.0	30.0	30.0	30.0
H45	24.0	24.0	24.0	27.7	32.7	35.8	36.1	36.1	36.1	36.1	36.1	36.1
H49	23.9	23.9	23.9	27.6	32.6	35.7	36.0	36.0	36.0	36.0	36.0	36.0
H52	20.7	20.7	20.7	24.4	29.4	32.5	32.8	32.8	32.8	32.8	32.8	32.8
H91	21.0	21.0	21.0	24.7	29.7	32.8	33.1	33.1	33.1	33.1	33.1	33.1
H94	24.5	24.5	24.5	28.2	33.2	36.3	36.6	36.6	36.6	36.6	36.6	36.6
H158	15.4	15.4	15.4	19.1	24.1	27.2	27.5	27.5	27.5	27.5	27.5	27.5
H162	18.8	18.8	18.8	22.5	27.5	30.6	30.9	30.9	30.9	30.9	30.9	30.9
H164	19.5	19.5	19.5	23.2	28.2	31.3	31.6	31.6	31.6	31.6	31.6	31.6
H165	19.7	19.7	19.7	23.4	28.4	31.5	31.8	31.8	31.8	31.8	31.8	31.8
H168	21.9	21.9	21.9	25.6	30.6	33.7	34.0	34.0	34.0	34.0	34.0	34.0
H173	24.1	24.1	24.1	27.8	32.8	35.9	36.2	36.2	36.2	36.2	36.2	36.2
H209	25.9	25.9	25.9	29.6	34.6	37.7	38.0	38.0	38.0	38.0	38.0	38.0
H222	18.5	18.5	18.5	22.2	27.2	30.3	30.6	30.6	30.6	30.6	30.6	30.6
H224	23.6	23.6	23.6	27.3	32.3	35.4	35.7	35.7	35.7	35.7	35.7	35.7

Table 11.10.3: Predicted Noise Levels for Proposed Development for 60 Degree Sector - Vestas Option

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	15.5	15.5	15.5	19.2	24.2	27.3	27.6	27.6	27.6	27.6	27.6	27.6
H2	15.2	15.2	15.2	18.9	23.9	27.0	27.3	27.3	27.3	27.3	27.3	27.3
H3	17.4	17.4	17.4	21.1	26.1	29.2	29.5	29.5	29.5	29.5	29.5	29.5
H4	18.0	18.0	18.0	21.7	26.7	29.8	30.1	30.1	30.1	30.1	30.1	30.1
H5	18.8	18.8	18.8	22.5	27.5	30.6	30.9	30.9	30.9	30.9	30.9	30.9
H6	20.7	20.7	20.7	24.4	29.4	32.5	32.8	32.8	32.8	32.8	32.8	32.8
H10	22.1	22.1	22.1	25.8	30.8	33.9	34.2	34.2	34.2	34.2	34.2	34.2
H11	20.9	20.9	20.9	24.6	29.6	32.7	33.0	33.0	33.0	33.0	33.0	33.0
H12	21.1	21.1	21.1	24.8	29.8	32.9	33.2	33.2	33.2	33.2	33.2	33.2
H13	21.4	21.4	21.4	25.1	30.1	33.2	33.5	33.5	33.5	33.5	33.5	33.5
H14	21.0	21.0	21.0	24.7	29.7	32.8	33.1	33.1	33.1	33.1	33.1	33.1
H16	20.8	20.8	20.8	24.5	29.5	32.6	32.9	32.9	32.9	32.9	32.9	32.9
H22	23.1	23.1	23.1	26.8	31.8	34.9	35.2	35.2	35.2	35.2	35.2	35.2
H24	20.4	20.4	20.4	24.1	29.1	32.2	32.5	32.5	32.5	32.5	32.5	32.5
H27	25.2	25.2	25.2	28.9	33.9	37.0	37.3	37.3	37.3	37.3	37.3	37.3
H33	15.0	15.0	15.0	18.7	23.7	26.8	27.1	27.1	27.1	27.1	27.1	27.1
H34	21.8	21.8	21.8	25.5	30.5	33.6	33.9	33.9	33.9	33.9	33.9	33.9
H39	14.4	14.4	14.4	18.1	23.1	26.2	26.5	26.5	26.5	26.5	26.5	26.5
H45	24.0	24.0	24.0	27.7	32.7	35.8	36.1	36.1	36.1	36.1	36.1	36.1
H49	22.5	22.5	22.5	26.2	31.2	34.3	34.6	34.6	34.6	34.6	34.6	34.6
H52	20.4	20.4	20.4	24.1	29.1	32.2	32.5	32.5	32.5	32.5	32.5	32.5
H91	21.0	21.0	21.0	24.7	29.7	32.8	33.1	33.1	33.1	33.1	33.1	33.1
H94	24.5	24.5	24.5	28.2	33.2	36.3	36.6	36.6	36.6	36.6	36.6	36.6
H158	17.9	17.9	17.9	21.6	26.6	29.7	30.0	30.0	30.0	30.0	30.0	30.0
H162	19.6	19.6	19.6	23.3	28.3	31.4	31.7	31.7	31.7	31.7	31.7	31.7
H164	20.3	20.3	20.3	24.0	29.0	32.1	32.4	32.4	32.4	32.4	32.4	32.4
H165	20.5	20.5	20.5	24.2	29.2	32.3	32.6	32.6	32.6	32.6	32.6	32.6
H168	21.9	21.9	21.9	25.6	30.6	33.7	34.0	34.0	34.0	34.0	34.0	34.0
H173	24.1	24.1	24.1	27.8	32.8	35.9	36.2	36.2	36.2	36.2	36.2	36.2
H209	25.3	25.3	25.3	29.0	34.0	37.1	37.4	37.4	37.4	37.4	37.4	37.4
H222	15.2	15.2	15.2	18.9	23.9	27.0	27.3	27.3	27.3	27.3	27.3	27.3
H224	22.4	22.4	22.4	26.1	31.1	34.2	34.5	34.5	34.5	34.5	34.5	34.5

Table 11.10.4: Predicted Noise Levels for Proposed Development for 90 Degree Sector - Vestas Option

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	16.9	16.9	16.9	20.6	25.6	28.7	29.0	29.0	29.0	29.0	29.0	29.0
H2	16.4	16.4	16.4	20.1	25.1	28.2	28.5	28.5	28.5	28.5	28.5	28.5
H3	17.9	17.9	17.9	21.6	26.6	29.7	30.0	30.0	30.0	30.0	30.0	30.0
H4	18.0	18.0	18.0	21.7	26.7	29.8	30.1	30.1	30.1	30.1	30.1	30.1
H5	18.8	18.8	18.8	22.5	27.5	30.6	30.9	30.9	30.9	30.9	30.9	30.9
H6	20.7	20.7	20.7	24.4	29.4	32.5	32.8	32.8	32.8	32.8	32.8	32.8
H10	22.1	22.1	22.1	25.8	30.8	33.9	34.2	34.2	34.2	34.2	34.2	34.2
H11	20.9	20.9	20.9	24.6	29.6	32.7	33.0	33.0	33.0	33.0	33.0	33.0
H12	21.1	21.1	21.1	24.8	29.8	32.9	33.2	33.2	33.2	33.2	33.2	33.2
H13	21.4	21.4	21.4	25.1	30.1	33.2	33.5	33.5	33.5	33.5	33.5	33.5
H14	21.0	21.0	21.0	24.7	29.7	32.8	33.1	33.1	33.1	33.1	33.1	33.1
H16	20.8	20.8	20.8	24.5	29.5	32.6	32.9	32.9	32.9	32.9	32.9	32.9
H22	23.1	23.1	23.1	26.8	31.8	34.9	35.2	35.2	35.2	35.2	35.2	35.2
H24	19.7	19.7	19.7	23.4	28.4	31.5	31.8	31.8	31.8	31.8	31.8	31.8
H27	23.9	23.9	23.9	27.6	32.6	35.7	36.0	36.0	36.0	36.0	36.0	36.0
H33	13.7	13.7	13.7	17.4	22.4	25.5	25.8	25.8	25.8	25.8	25.8	25.8
H34	21.8	21.8	21.8	25.5	30.5	33.6	33.9	33.9	33.9	33.9	33.9	33.9
H39	12.2	12.2	12.2	15.9	20.9	24.0	24.3	24.3	24.3	24.3	24.3	24.3
H45	24.0	24.0	24.0	27.7	32.7	35.8	36.1	36.1	36.1	36.1	36.1	36.1
H49	20.1	20.1	20.1	23.8	28.8	31.9	32.2	32.2	32.2	32.2	32.2	32.2
H52	19.3	19.3	19.3	23.0	28.0	31.1	31.4	31.4	31.4	31.4	31.4	31.4
H91	19.6	19.6	19.6	23.3	28.3	31.4	31.7	31.7	31.7	31.7	31.7	31.7
H94	24.3	24.3	24.3	28.0	33.0	36.1	36.4	36.4	36.4	36.4	36.4	36.4
H158	17.9	17.9	17.9	21.6	26.6	29.7	30.0	30.0	30.0	30.0	30.0	30.0
H162	19.6	19.6	19.6	23.3	28.3	31.4	31.7	31.7	31.7	31.7	31.7	31.7
H164	20.3	20.3	20.3	24.0	29.0	32.1	32.4	32.4	32.4	32.4	32.4	32.4
H165	20.5	20.5	20.5	24.2	29.2	32.3	32.6	32.6	32.6	32.6	32.6	32.6
H168	21.9	21.9	21.9	25.6	30.6	33.7	34.0	34.0	34.0	34.0	34.0	34.0
H173	24.1	24.1	24.1	27.8	32.8	35.9	36.2	36.2	36.2	36.2	36.2	36.2
H209	24.2	24.2	24.2	27.9	32.9	36.0	36.3	36.3	36.3	36.3	36.3	36.3
H222	13.2	13.2	13.2	16.9	21.9	25.0	25.3	25.3	25.3	25.3	25.3	25.3
H224	19.9	19.9	19.9	23.6	28.6	31.7	32.0	32.0	32.0	32.0	32.0	32.0

Table 11.10.5: Predicted Noise Levels for Proposed Development for 120 Degree Sector - Vestas Option

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	16.9	16.9	16.9	20.6	25.6	28.7	29.0	29.0	29.0	29.0	29.0	29.0
H2	16.4	16.4	16.4	20.1	25.1	28.2	28.5	28.5	28.5	28.5	28.5	28.5
H3	17.9	17.9	17.9	21.6	26.6	29.7	30.0	30.0	30.0	30.0	30.0	30.0
H4	18.0	18.0	18.0	21.7	26.7	29.8	30.1	30.1	30.1	30.1	30.1	30.1
H5	18.8	18.8	18.8	22.5	27.5	30.6	30.9	30.9	30.9	30.9	30.9	30.9
H6	20.7	20.7	20.7	24.4	29.4	32.5	32.8	32.8	32.8	32.8	32.8	32.8
H10	22.1	22.1	22.1	25.8	30.8	33.9	34.2	34.2	34.2	34.2	34.2	34.2
H11	20.9	20.9	20.9	24.6	29.6	32.7	33.0	33.0	33.0	33.0	33.0	33.0
H12	21.1	21.1	21.1	24.8	29.8	32.9	33.2	33.2	33.2	33.2	33.2	33.2
H13	21.4	21.4	21.4	25.1	30.1	33.2	33.5	33.5	33.5	33.5	33.5	33.5
H14	21.0	21.0	21.0	24.7	29.7	32.8	33.1	33.1	33.1	33.1	33.1	33.1
H16	20.8	20.8	20.8	24.5	29.5	32.6	32.9	32.9	32.9	32.9	32.9	32.9
H22	22.5	22.5	22.5	26.2	31.2	34.3	34.6	34.6	34.6	34.6	34.6	34.6
H24	16.2	16.2	16.2	19.9	24.9	28.0	28.3	28.3	28.3	28.3	28.3	28.3
H27	22.8	22.8	22.8	26.5	31.5	34.6	34.9	34.9	34.9	34.9	34.9	34.9
H33	13.6	13.6	13.6	17.3	22.3	25.4	25.7	25.7	25.7	25.7	25.7	25.7
H34	21.8	21.8	21.8	25.5	30.5	33.6	33.9	33.9	33.9	33.9	33.9	33.9
H39	11.8	11.8	11.8	15.5	20.5	23.6	23.9	23.9	23.9	23.9	23.9	23.9
H45	23.6	23.6	23.6	27.3	32.3	35.4	35.7	35.7	35.7	35.7	35.7	35.7
H49	18.8	18.8	18.8	22.5	27.5	30.6	30.9	30.9	30.9	30.9	30.9	30.9
H52	15.6	15.6	15.6	19.3	24.3	27.4	27.7	27.7	27.7	27.7	27.7	27.7
H91	15.9	15.9	15.9	19.6	24.6	27.7	28.0	28.0	28.0	28.0	28.0	28.0
H94	23.8	23.8	23.8	27.5	32.5	35.6	35.9	35.9	35.9	35.9	35.9	35.9
H158	17.9	17.9	17.9	21.6	26.6	29.7	30.0	30.0	30.0	30.0	30.0	30.0
H162	19.6	19.6	19.6	23.3	28.3	31.4	31.7	31.7	31.7	31.7	31.7	31.7
H164	20.3	20.3	20.3	24.0	29.0	32.1	32.4	32.4	32.4	32.4	32.4	32.4
H165	20.5	20.5	20.5	24.2	29.2	32.3	32.6	32.6	32.6	32.6	32.6	32.6
H168	21.8	21.8	21.8	25.5	30.5	33.6	33.9	33.9	33.9	33.9	33.9	33.9
H173	23.8	23.8	23.8	27.5	32.5	35.6	35.9	35.9	35.9	35.9	35.9	35.9
H209	23.1	23.1	23.1	26.8	31.8	34.9	35.2	35.2	35.2	35.2	35.2	35.2
H222	12.8	12.8	12.8	16.5	21.5	24.6	24.9	24.9	24.9	24.9	24.9	24.9
H224	18.0	18.0	18.0	21.7	26.7	29.8	30.1	30.1	30.1	30.1	30.1	30.1

Table 11.10.6: Predicted Noise Levels for Proposed Development for 150 Degree Sector - Vestas Option

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	16.9	16.9	16.9	20.6	25.6	28.7	29.0	29.0	29.0	29.0	29.0	29.0
H2	16.4	16.4	16.4	20.1	25.1	28.2	28.5	28.5	28.5	28.5	28.5	28.5
H3	17.9	17.9	17.9	21.6	26.6	29.7	30.0	30.0	30.0	30.0	30.0	30.0
H4	18.0	18.0	18.0	21.7	26.7	29.8	30.1	30.1	30.1	30.1	30.1	30.1
H5	18.8	18.8	18.8	22.5	27.5	30.6	30.9	30.9	30.9	30.9	30.9	30.9
H6	20.7	20.7	20.7	24.4	29.4	32.5	32.8	32.8	32.8	32.8	32.8	32.8
H10	22.1	22.1	22.1	25.8	30.8	33.9	34.2	34.2	34.2	34.2	34.2	34.2
H11	20.9	20.9	20.9	24.6	29.6	32.7	33.0	33.0	33.0	33.0	33.0	33.0
H12	21.1	21.1	21.1	24.8	29.8	32.9	33.2	33.2	33.2	33.2	33.2	33.2
H13	21.4	21.4	21.4	25.1	30.1	33.2	33.5	33.5	33.5	33.5	33.5	33.5
H14	21.0	21.0	21.0	24.7	29.7	32.8	33.1	33.1	33.1	33.1	33.1	33.1
H16	20.8	20.8	20.8	24.5	29.5	32.6	32.9	32.9	32.9	32.9	32.9	32.9
H22	20.9	20.9	20.9	24.6	29.6	32.7	33.0	33.0	33.0	33.0	33.0	33.0
H24	12.8	12.8	12.8	16.5	21.5	24.6	24.9	24.9	24.9	24.9	24.9	24.9
H27	22.6	22.6	22.6	26.3	31.3	34.4	34.7	34.7	34.7	34.7	34.7	34.7
H33	14.8	14.8	14.8	18.5	23.5	26.6	26.9	26.9	26.9	26.9	26.9	26.9
H34	21.8	21.8	21.8	25.5	30.5	33.6	33.9	33.9	33.9	33.9	33.9	33.9
H39	12.8	12.8	12.8	16.5	21.5	24.6	24.9	24.9	24.9	24.9	24.9	24.9
H45	22.8	22.8	22.8	26.5	31.5	34.6	34.9	34.9	34.9	34.9	34.9	34.9
H49	18.7	18.7	18.7	22.4	27.4	30.5	30.8	30.8	30.8	30.8	30.8	30.8
H52	13.3	13.3	13.3	17.0	22.0	25.1	25.4	25.4	25.4	25.4	25.4	25.4
H91	13.1	13.1	13.1	16.8	21.8	24.9	25.2	25.2	25.2	25.2	25.2	25.2
H94	22.1	22.1	22.1	25.8	30.8	33.9	34.2	34.2	34.2	34.2	34.2	34.2
H158	17.9	17.9	17.9	21.6	26.6	29.7	30.0	30.0	30.0	30.0	30.0	30.0
H162	19.6	19.6	19.6	23.3	28.3	31.4	31.7	31.7	31.7	31.7	31.7	31.7
H164	20.3	20.3	20.3	24.0	29.0	32.1	32.4	32.4	32.4	32.4	32.4	32.4
H165	20.5	20.5	20.5	24.2	29.2	32.3	32.6	32.6	32.6	32.6	32.6	32.6
H168	20.6	20.6	20.6	24.3	29.3	32.4	32.7	32.7	32.7	32.7	32.7	32.7
H173	23.0	23.0	23.0	26.7	31.7	34.8	35.1	35.1	35.1	35.1	35.1	35.1
H209	22.9	22.9	22.9	26.6	31.6	34.7	35.0	35.0	35.0	35.0	35.0	35.0
H222	13.7	13.7	13.7	17.4	22.4	25.5	25.8	25.8	25.8	25.8	25.8	25.8
H224	17.7	17.7	17.7	21.4	26.4	29.5	29.8	29.8	29.8	29.8	29.8	29.8

Table 11.10.7: Predicted Noise Levels for Proposed Development for 180 Degree Sector - Vestas Option

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	16.9	16.9	16.9	20.6	25.6	28.7	29.0	29.0	29.0	29.0	29.0	29.0
H2	16.4	16.4	16.4	20.1	25.1	28.2	28.5	28.5	28.5	28.5	28.5	28.5
H3	17.9	17.9	17.9	21.6	26.6	29.7	30.0	30.0	30.0	30.0	30.0	30.0
H4	18.0	18.0	18.0	21.7	26.7	29.8	30.1	30.1	30.1	30.1	30.1	30.1
H5	18.8	18.8	18.8	22.5	27.5	30.6	30.9	30.9	30.9	30.9	30.9	30.9
H6	20.7	20.7	20.7	24.4	29.4	32.5	32.8	32.8	32.8	32.8	32.8	32.8
H10	21.8	21.8	21.8	25.5	30.5	33.6	33.9	33.9	33.9	33.9	33.9	33.9
H11	20.4	20.4	20.4	24.1	29.1	32.2	32.5	32.5	32.5	32.5	32.5	32.5
H12	20.7	20.7	20.7	24.4	29.4	32.5	32.8	32.8	32.8	32.8	32.8	32.8
H13	21.0	21.0	21.0	24.7	29.7	32.8	33.1	33.1	33.1	33.1	33.1	33.1
H14	20.4	20.4	20.4	24.1	29.1	32.2	32.5	32.5	32.5	32.5	32.5	32.5
H16	20.2	20.2	20.2	23.9	28.9	32.0	32.3	32.3	32.3	32.3	32.3	32.3
H22	18.4	18.4	18.4	22.1	27.1	30.2	30.5	30.5	30.5	30.5	30.5	30.5
H24	11.5	11.5	11.5	15.2	20.2	23.3	23.6	23.6	23.6	23.6	23.6	23.6
H27	23.0	23.0	23.0	26.7	31.7	34.8	35.1	35.1	35.1	35.1	35.1	35.1
H33	17.7	17.7	17.7	21.4	26.4	29.5	29.8	29.8	29.8	29.8	29.8	29.8
H34	21.0	21.0	21.0	24.7	29.7	32.8	33.1	33.1	33.1	33.1	33.1	33.1
H39	15.9	15.9	15.9	19.6	24.6	27.7	28.0	28.0	28.0	28.0	28.0	28.0
H45	20.9	20.9	20.9	24.6	29.6	32.7	33.0	33.0	33.0	33.0	33.0	33.0
H49	19.6	19.6	19.6	23.3	28.3	31.4	31.7	31.7	31.7	31.7	31.7	31.7
H52	12.7	12.7	12.7	16.4	21.4	24.5	24.8	24.8	24.8	24.8	24.8	24.8
H91	12.3	12.3	12.3	16.0	21.0	24.1	24.4	24.4	24.4	24.4	24.4	24.4
H94	20.6	20.6	20.6	24.3	29.3	32.4	32.7	32.7	32.7	32.7	32.7	32.7
H158	17.9	17.9	17.9	21.6	26.6	29.7	30.0	30.0	30.0	30.0	30.0	30.0
H162	19.5	19.5	19.5	23.2	28.2	31.3	31.6	31.6	31.6	31.6	31.6	31.6
H164	20.2	20.2	20.2	23.9	28.9	32.0	32.3	32.3	32.3	32.3	32.3	32.3
H165	20.4	20.4	20.4	24.1	29.1	32.2	32.5	32.5	32.5	32.5	32.5	32.5
H168	17.6	17.6	17.6	21.3	26.3	29.4	29.7	29.7	29.7	29.7	29.7	29.7
H173	21.3	21.3	21.3	25.0	30.0	33.1	33.4	33.4	33.4	33.4	33.4	33.4
H209	23.3	23.3	23.3	27.0	32.0	35.1	35.4	35.4	35.4	35.4	35.4	35.4
H222	16.6	16.6	16.6	20.3	25.3	28.4	28.7	28.7	28.7	28.7	28.7	28.7
H224	18.6	18.6	18.6	22.3	27.3	30.4	30.7	30.7	30.7	30.7	30.7	30.7

Table 11.10.8: Predicted Noise Levels for Proposed Development for 210 Degree Sector - Vestas Option

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	16.6	16.6	16.6	20.3	25.3	28.4	28.7	28.7	28.7	28.7	28.7	28.7
H2	16.1	16.1	16.1	19.8	24.8	27.9	28.2	28.2	28.2	28.2	28.2	28.2
H3	17.6	17.6	17.6	21.3	26.3	29.4	29.7	29.7	29.7	29.7	29.7	29.7
H4	16.7	16.7	16.7	20.4	25.4	28.5	28.8	28.8	28.8	28.8	28.8	28.8
H5	16.4	16.4	16.4	20.1	25.1	28.2	28.5	28.5	28.5	28.5	28.5	28.5
H6	18.4	18.4	18.4	22.1	27.1	30.2	30.5	30.5	30.5	30.5	30.5	30.5
H10	19.5	19.5	19.5	23.2	28.2	31.3	31.6	31.6	31.6	31.6	31.6	31.6
H11	17.4	17.4	17.4	21.1	26.1	29.2	29.5	29.5	29.5	29.5	29.5	29.5
H12	17.8	17.8	17.8	21.5	26.5	29.6	29.9	29.9	29.9	29.9	29.9	29.9
H13	18.3	18.3	18.3	22.0	27.0	30.1	30.4	30.4	30.4	30.4	30.4	30.4
H14	17.5	17.5	17.5	21.2	26.2	29.3	29.6	29.6	29.6	29.6	29.6	29.6
H16	17.2	17.2	17.2	20.9	25.9	29.0	29.3	29.3	29.3	29.3	29.3	29.3
H22	17.3	17.3	17.3	21.0	26.0	29.1	29.4	29.4	29.4	29.4	29.4	29.4
H24	11.7	11.7	11.7	15.4	20.4	23.5	23.8	23.8	23.8	23.8	23.8	23.8
H27	24.2	24.2	24.2	27.9	32.9	36.0	36.3	36.3	36.3	36.3	36.3	36.3
H33	20.4	20.4	20.4	24.1	29.1	32.2	32.5	32.5	32.5	32.5	32.5	32.5
H34	18.6	18.6	18.6	22.3	27.3	30.4	30.7	30.7	30.7	30.7	30.7	30.7
H39	19.1	19.1	19.1	22.8	27.8	30.9	31.2	31.2	31.2	31.2	31.2	31.2
H45	19.8	19.8	19.8	23.5	28.5	31.6	31.9	31.9	31.9	31.9	31.9	31.9
H49	21.7	21.7	21.7	25.4	30.4	33.5	33.8	33.8	33.8	33.8	33.8	33.8
H52	13.4	13.4	13.4	17.1	22.1	25.2	25.5	25.5	25.5	25.5	25.5	25.5
H91	12.8	12.8	12.8	16.5	21.5	24.6	24.9	24.9	24.9	24.9	24.9	24.9
H94	20.2	20.2	20.2	23.9	28.9	32.0	32.3	32.3	32.3	32.3	32.3	32.3
H158	16.6	16.6	16.6	20.3	25.3	28.4	28.7	28.7	28.7	28.7	28.7	28.7
H162	16.9	16.9	16.9	20.6	25.6	28.7	29.0	29.0	29.0	29.0	29.0	29.0
H164	17.8	17.8	17.8	21.5	26.5	29.6	29.9	29.9	29.9	29.9	29.9	29.9
H165	18.1	18.1	18.1	21.8	26.8	29.9	30.2	30.2	30.2	30.2	30.2	30.2
H168	15.5	15.5	15.5	19.2	24.2	27.3	27.6	27.6	27.6	27.6	27.6	27.6
H173	20.2	20.2	20.2	23.9	28.9	32.0	32.3	32.3	32.3	32.3	32.3	32.3
H209	24.4	24.4	24.4	28.1	33.1	36.2	36.5	36.5	36.5	36.5	36.5	36.5
H222	19.4	19.4	19.4	23.1	28.1	31.2	31.5	31.5	31.5	31.5	31.5	31.5
H224	20.7	20.7	20.7	24.4	29.4	32.5	32.8	32.8	32.8	32.8	32.8	32.8

Table 11.10.9: Predicted Noise Levels for Proposed Development for 240 Degree Sector - Vestas Option

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	14.2	14.2	14.2	17.9	22.9	26.0	26.3	26.3	26.3	26.3	26.3	26.3
H2	13.5	13.5	13.5	17.2	22.2	25.3	25.6	25.6	25.6	25.6	25.6	25.6
H3	14.2	14.2	14.2	17.9	22.9	26.0	26.3	26.3	26.3	26.3	26.3	26.3
H4	12.3	12.3	12.3	16.0	21.0	24.1	24.4	24.4	24.4	24.4	24.4	24.4
H5	12.5	12.5	12.5	16.2	21.2	24.3	24.6	24.6	24.6	24.6	24.6	24.6
H6	15.4	15.4	15.4	19.1	24.1	27.2	27.5	27.5	27.5	27.5	27.5	27.5
H10	17.6	17.6	17.6	21.3	26.3	29.4	29.7	29.7	29.7	29.7	29.7	29.7
H11	14.8	14.8	14.8	18.5	23.5	26.6	26.9	26.9	26.9	26.9	26.9	26.9
H12	15.4	15.4	15.4	19.1	24.1	27.2	27.5	27.5	27.5	27.5	27.5	27.5
H13	16.0	16.0	16.0	19.7	24.7	27.8	28.1	28.1	28.1	28.1	28.1	28.1
H14	14.9	14.9	14.9	18.6	23.6	26.7	27.0	27.0	27.0	27.0	27.0	27.0
H16	14.5	14.5	14.5	18.2	23.2	26.3	26.6	26.6	26.6	26.6	26.6	26.6
H22	17.3	17.3	17.3	21.0	26.0	29.1	29.4	29.4	29.4	29.4	29.4	29.4
H24	13.7	13.7	13.7	17.4	22.4	25.5	25.8	25.8	25.8	25.8	25.8	25.8
H27	25.1	25.1	25.1	28.8	33.8	36.9	37.2	37.2	37.2	37.2	37.2	37.2
H33	20.9	20.9	20.9	24.6	29.6	32.7	33.0	33.0	33.0	33.0	33.0	33.0
H34	16.5	16.5	16.5	20.2	25.2	28.3	28.6	28.6	28.6	28.6	28.6	28.6
H39	20.2	20.2	20.2	23.9	28.9	32.0	32.3	32.3	32.3	32.3	32.3	32.3
H45	19.6	19.6	19.6	23.3	28.3	31.4	31.7	31.7	31.7	31.7	31.7	31.7
H49	23.5	23.5	23.5	27.2	32.2	35.3	35.6	35.6	35.6	35.6	35.6	35.6
H52	15.9	15.9	15.9	19.6	24.6	27.7	28.0	28.0	28.0	28.0	28.0	28.0
H91	15.1	15.1	15.1	18.8	23.8	26.9	27.2	27.2	27.2	27.2	27.2	27.2
H94	20.4	20.4	20.4	24.1	29.1	32.2	32.5	32.5	32.5	32.5	32.5	32.5
H158	12.2	12.2	12.2	15.9	20.9	24.0	24.3	24.3	24.3	24.3	24.3	24.3
H162	13.2	13.2	13.2	16.9	21.9	25.0	25.3	25.3	25.3	25.3	25.3	25.3
H164	14.5	14.5	14.5	18.2	23.2	26.3	26.6	26.6	26.6	26.6	26.6	26.6
H165	14.9	14.9	14.9	18.6	23.6	26.7	27.0	27.0	27.0	27.0	27.0	27.0
H168	15.0	15.0	15.0	18.7	23.7	26.8	27.1	27.1	27.1	27.1	27.1	27.1
H173	20.0	20.0	20.0	23.7	28.7	31.8	32.1	32.1	32.1	32.1	32.1	32.1
H209	25.3	25.3	25.3	29.0	34.0	37.1	37.4	37.4	37.4	37.4	37.4	37.4
H222	20.6	20.6	20.6	24.3	29.3	32.4	32.7	32.7	32.7	32.7	32.7	32.7
H224	22.7	22.7	22.7	26.4	31.4	34.5	34.8	34.8	34.8	34.8	34.8	34.8

Table 11.10.10: Predicted Noise Levels for Proposed Development for 270 Degree Sector - Vestas Option

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	9.7	9.7	9.7	13.4	18.4	21.5	21.8	21.8	21.8	21.8	21.8	21.8
H2	9.1	9.1	9.1	12.8	17.8	20.9	21.2	21.2	21.2	21.2	21.2	21.2
H3	10.4	10.4	10.4	14.1	19.1	22.2	22.5	22.5	22.5	22.5	22.5	22.5
H4	9.5	9.5	9.5	13.2	18.2	21.3	21.6	21.6	21.6	21.6	21.6	21.6
H5	10.4	10.4	10.4	14.1	19.1	22.2	22.5	22.5	22.5	22.5	22.5	22.5
H6	14.1	14.1	14.1	17.8	22.8	25.9	26.2	26.2	26.2	26.2	26.2	26.2
H10	17.0	17.0	17.0	20.7	25.7	28.8	29.1	29.1	29.1	29.1	29.1	29.1
H11	13.8	13.8	13.8	17.5	22.5	25.6	25.9	25.9	25.9	25.9	25.9	25.9
H12	14.5	14.5	14.5	18.2	23.2	26.3	26.6	26.6	26.6	26.6	26.6	26.6
H13	15.2	15.2	15.2	18.9	23.9	27.0	27.3	27.3	27.3	27.3	27.3	27.3
H14	13.9	13.9	13.9	17.6	22.6	25.7	26.0	26.0	26.0	26.0	26.0	26.0
H16	13.4	13.4	13.4	17.1	22.1	25.2	25.5	25.5	25.5	25.5	25.5	25.5
H22	18.4	18.4	18.4	22.1	27.1	30.2	30.5	30.5	30.5	30.5	30.5	30.5
H24	17.4	17.4	17.4	21.1	26.1	29.2	29.5	29.5	29.5	29.5	29.5	29.5
H27	26.0	26.0	26.0	29.7	34.7	37.8	38.1	38.1	38.1	38.1	38.1	38.1
H33	20.9	20.9	20.9	24.6	29.6	32.7	33.0	33.0	33.0	33.0	33.0	33.0
H34	15.8	15.8	15.8	19.5	24.5	27.6	27.9	27.9	27.9	27.9	27.9	27.9
H39	20.2	20.2	20.2	23.9	28.9	32.0	32.3	32.3	32.3	32.3	32.3	32.3
H45	20.2	20.2	20.2	23.9	28.9	32.0	32.3	32.3	32.3	32.3	32.3	32.3
H49	24.4	24.4	24.4	28.1	33.1	36.2	36.5	36.5	36.5	36.5	36.5	36.5
H52	18.8	18.8	18.8	22.5	27.5	30.6	30.9	30.9	30.9	30.9	30.9	30.9
H91	19.0	19.0	19.0	22.7	27.7	30.8	31.1	31.1	31.1	31.1	31.1	31.1
H94	21.6	21.6	21.6	25.3	30.3	33.4	33.7	33.7	33.7	33.7	33.7	33.7
H158	9.2	9.2	9.2	12.9	17.9	21.0	21.3	21.3	21.3	21.3	21.3	21.3
H162	11.5	11.5	11.5	15.2	20.2	23.3	23.6	23.6	23.6	23.6	23.6	23.6
H164	13.0	13.0	13.0	16.7	21.7	24.8	25.1	25.1	25.1	25.1	25.1	25.1
H165	13.5	13.5	13.5	17.2	22.2	25.3	25.6	25.6	25.6	25.6	25.6	25.6
H168	15.6	15.6	15.6	19.3	24.3	27.4	27.7	27.7	27.7	27.7	27.7	27.7
H173	20.6	20.6	20.6	24.3	29.3	32.4	32.7	32.7	32.7	32.7	32.7	32.7
H209	26.1	26.1	26.1	29.8	34.8	37.9	38.2	38.2	38.2	38.2	38.2	38.2
H222	20.6	20.6	20.6	24.3	29.3	32.4	32.7	32.7	32.7	32.7	32.7	32.7
H224	23.9	23.9	23.9	27.6	32.6	35.7	36.0	36.0	36.0	36.0	36.0	36.0

Table 11.10.11: Predicted Noise Levels for Proposed Development for 300 Degree Sector - Vestas Option

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	7.4	7.4	7.4	11.1	16.1	19.2	19.5	19.5	19.5	19.5	19.5	19.5
H2	6.9	6.9	6.9	10.6	15.6	18.7	19.0	19.0	19.0	19.0	19.0	19.0
H3	8.7	8.7	8.7	12.4	17.4	20.5	20.8	20.8	20.8	20.8	20.8	20.8
H4	8.5	8.5	8.5	12.2	17.2	20.3	20.6	20.6	20.6	20.6	20.6	20.6
H5	10.0	10.0	10.0	13.7	18.7	21.8	22.1	22.1	22.1	22.1	22.1	22.1
H6	13.9	13.9	13.9	17.6	22.6	25.7	26.0	26.0	26.0	26.0	26.0	26.0
H10	17.1	17.1	17.1	20.8	25.8	28.9	29.2	29.2	29.2	29.2	29.2	29.2
H11	14.0	14.0	14.0	17.7	22.7	25.8	26.1	26.1	26.1	26.1	26.1	26.1
H12	14.6	14.6	14.6	18.3	23.3	26.4	26.7	26.7	26.7	26.7	26.7	26.7
H13	15.4	15.4	15.4	19.1	24.1	27.2	27.5	27.5	27.5	27.5	27.5	27.5
H14	14.1	14.1	14.1	17.8	22.8	25.9	26.2	26.2	26.2	26.2	26.2	26.2
H16	13.6	13.6	13.6	17.3	22.3	25.4	25.7	25.7	25.7	25.7	25.7	25.7
H22	20.6	20.6	20.6	24.3	29.3	32.4	32.7	32.7	32.7	32.7	32.7	32.7
H24	20.1	20.1	20.1	23.8	28.8	31.9	32.2	32.2	32.2	32.2	32.2	32.2
H27	26.2	26.2	26.2	29.9	34.9	38.0	38.3	38.3	38.3	38.3	38.3	38.3
H33	20.9	20.9	20.9	24.6	29.6	32.7	33.0	33.0	33.0	33.0	33.0	33.0
H34	16.2	16.2	16.2	19.9	24.9	28.0	28.3	28.3	28.3	28.3	28.3	28.3
H39	20.2	20.2	20.2	23.9	28.9	32.0	32.3	32.3	32.3	32.3	32.3	32.3
H45	21.6	21.6	21.6	25.3	30.3	33.4	33.7	33.7	33.7	33.7	33.7	33.7
H49	24.4	24.4	24.4	28.1	33.1	36.2	36.5	36.5	36.5	36.5	36.5	36.5
H52	20.7	20.7	20.7	24.4	29.4	32.5	32.8	32.8	32.8	32.8	32.8	32.8
H91	20.9	20.9	20.9	24.6	29.6	32.7	33.0	33.0	33.0	33.0	33.0	33.0
H94	23.0	23.0	23.0	26.7	31.7	34.8	35.1	35.1	35.1	35.1	35.1	35.1
H158	8.3	8.3	8.3	12.0	17.0	20.1	20.4	20.4	20.4	20.4	20.4	20.4
H162	11.3	11.3	11.3	15.0	20.0	23.1	23.4	23.4	23.4	23.4	23.4	23.4
H164	12.8	12.8	12.8	16.5	21.5	24.6	24.9	24.9	24.9	24.9	24.9	24.9
H165	13.3	13.3	13.3	17.0	22.0	25.1	25.4	25.4	25.4	25.4	25.4	25.4
H168	17.6	17.6	17.6	21.3	26.3	29.4	29.7	29.7	29.7	29.7	29.7	29.7
H173	21.9	21.9	21.9	25.6	30.6	33.7	34.0	34.0	34.0	34.0	34.0	34.0
H209	26.3	26.3	26.3	30.0	35.0	38.1	38.4	38.4	38.4	38.4	38.4	38.4
H222	20.6	20.6	20.6	24.3	29.3	32.4	32.7	32.7	32.7	32.7	32.7	32.7
H224	24.1	24.1	24.1	27.8	32.8	35.9	36.2	36.2	36.2	36.2	36.2	36.2

Table 11.10.12: Predicted Noise Levels for Proposed Development for 330 Degree Sector - Vestas Option

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	7.0	7.0	7.0	10.7	15.7	18.8	19.1	19.1	19.1	19.1	19.1	19.1
H2	6.5	6.5	6.5	10.2	15.2	18.3	18.6	18.6	18.6	18.6	18.6	18.6
H3	8.6	8.6	8.6	12.3	17.3	20.4	20.7	20.7	20.7	20.7	20.7	20.7
H4	9.0	9.0	9.0	12.7	17.7	20.8	21.1	21.1	21.1	21.1	21.1	21.1
H5	11.0	11.0	11.0	14.7	19.7	22.8	23.1	23.1	23.1	23.1	23.1	23.1
H6	14.7	14.7	14.7	18.4	23.4	26.5	26.8	26.8	26.8	26.8	26.8	26.8
H10	18.0	18.0	18.0	21.7	26.7	29.8	30.1	30.1	30.1	30.1	30.1	30.1
H11	15.3	15.3	15.3	19.0	24.0	27.1	27.4	27.4	27.4	27.4	27.4	27.4
H12	15.9	15.9	15.9	19.6	24.6	27.7	28.0	28.0	28.0	28.0	28.0	28.0
H13	16.5	16.5	16.5	20.2	25.2	28.3	28.6	28.6	28.6	28.6	28.6	28.6
H14	15.5	15.5	15.5	19.2	24.2	27.3	27.6	27.6	27.6	27.6	27.6	27.6
H16	15.0	15.0	15.0	18.7	23.7	26.8	27.1	27.1	27.1	27.1	27.1	27.1
H22	22.3	22.3	22.3	26.0	31.0	34.1	34.4	34.4	34.4	34.4	34.4	34.4
H24	20.4	20.4	20.4	24.1	29.1	32.2	32.5	32.5	32.5	32.5	32.5	32.5
H27	26.2	26.2	26.2	29.9	34.9	38.0	38.3	38.3	38.3	38.3	38.3	38.3
H33	20.9	20.9	20.9	24.6	29.6	32.7	33.0	33.0	33.0	33.0	33.0	33.0
H34	17.5	17.5	17.5	21.2	26.2	29.3	29.6	29.6	29.6	29.6	29.6	29.6
H39	20.2	20.2	20.2	23.9	28.9	32.0	32.3	32.3	32.3	32.3	32.3	32.3
H45	22.7	22.7	22.7	26.4	31.4	34.5	34.8	34.8	34.8	34.8	34.8	34.8
H49	24.4	24.4	24.4	28.1	33.1	36.2	36.5	36.5	36.5	36.5	36.5	36.5
H52	20.7	20.7	20.7	24.4	29.4	32.5	32.8	32.8	32.8	32.8	32.8	32.8
H91	21.0	21.0	21.0	24.7	29.7	32.8	33.1	33.1	33.1	33.1	33.1	33.1
H94	24.3	24.3	24.3	28.0	33.0	36.1	36.4	36.4	36.4	36.4	36.4	36.4
H158	8.8	8.8	8.8	12.5	17.5	20.6	20.9	20.9	20.9	20.9	20.9	20.9
H162	12.3	12.3	12.3	16.0	21.0	24.1	24.4	24.4	24.4	24.4	24.4	24.4
H164	13.7	13.7	13.7	17.4	22.4	25.5	25.8	25.8	25.8	25.8	25.8	25.8
H165	14.1	14.1	14.1	17.8	22.8	25.9	26.2	26.2	26.2	26.2	26.2	26.2
H168	20.3	20.3	20.3	24.0	29.0	32.1	32.4	32.4	32.4	32.4	32.4	32.4
H173	23.0	23.0	23.0	26.7	31.7	34.8	35.1	35.1	35.1	35.1	35.1	35.1
H209	26.3	26.3	26.3	30.0	35.0	38.1	38.4	38.4	38.4	38.4	38.4	38.4
H222	20.6	20.6	20.6	24.3	29.3	32.4	32.7	32.7	32.7	32.7	32.7	32.7
H224	24.1	24.1	24.1	27.8	32.8	35.9	36.2	36.2	36.2	36.2	36.2	36.2

Table 11.10.13: Predicted Noise Levels for Proposed Development for 0 Degree Sector - Enercon Option

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	7.6	7.6	7.6	14.0	17.3	18.3	19.2	20.0	20.2	20.2	20.2	20.2
H2	7.1	7.1	7.1	13.5	16.8	17.8	18.7	19.5	19.7	19.7	19.7	19.7
H3	9.7	9.7	9.7	16.1	19.4	20.4	21.3	22.1	22.3	22.3	22.3	22.3
H4	10.8	10.8	10.8	17.2	20.5	21.5	22.4	23.2	23.4	23.4	23.4	23.4
H5	13.3	13.3	13.3	19.7	23.0	24.0	24.9	25.7	25.9	25.9	25.9	25.9
H6	16.4	16.4	16.4	22.8	26.1	27.1	28.0	28.8	29.0	29.0	29.0	29.0
H10	19.6	19.6	19.6	26.0	29.3	30.3	31.2	32.0	32.2	32.2	32.2	32.2
H11	17.7	17.7	17.7	24.1	27.4	28.4	29.3	30.1	30.3	30.3	30.3	30.3
H12	18.1	18.1	18.1	24.5	27.8	28.8	29.7	30.5	30.7	30.7	30.7	30.7
H13	18.5	18.5	18.5	24.9	28.2	29.2	30.1	30.9	31.1	31.1	31.1	31.1
H14	17.8	17.8	17.8	24.2	27.5	28.5	29.4	30.2	30.4	30.4	30.4	30.4
H16	17.5	17.5	17.5	23.9	27.2	28.2	29.1	29.9	30.1	30.1	30.1	30.1
H22	22.7	22.7	22.7	29.1	32.4	33.4	34.3	35.1	35.3	35.3	35.3	35.3
H24	19.8	19.8	19.8	26.2	29.5	30.5	31.4	32.2	32.4	32.4	32.4	32.4
H27	25.9	25.9	25.9	32.3	35.6	36.6	37.5	38.3	38.5	38.5	38.5	38.5
H33	19.9	19.9	19.9	26.3	29.6	30.6	31.5	32.3	32.5	32.5	32.5	32.5
H34	19.4	19.4	19.4	25.8	29.1	30.1	31.0	31.8	32.0	32.0	32.0	32.0
H39	19.4	19.4	19.4	25.8	29.1	30.1	31.0	31.8	32.0	32.0	32.0	32.0
H45	23.5	23.5	23.5	29.9	33.2	34.2	35.1	35.9	36.1	36.1	36.1	36.1
H49	24.0	24.0	24.0	30.4	33.7	34.7	35.6	36.4	36.6	36.6	36.6	36.6
H52	20.2	20.2	20.2	26.6	29.9	30.9	31.8	32.6	32.8	32.8	32.8	32.8
H91	20.4	20.4	20.4	26.8	30.1	31.1	32.0	32.8	33.0	33.0	33.0	33.0
H94	24.2	24.2	24.2	30.6	33.9	34.9	35.8	36.6	36.8	36.8	36.8	36.8
H158	10.6	10.6	10.6	17.0	20.3	21.3	22.2	23.0	23.2	23.2	23.2	23.2
H162	14.7	14.7	14.7	21.1	24.4	25.4	26.3	27.1	27.3	27.3	27.3	27.3
H164	15.6	15.6	15.6	22.0	25.3	26.3	27.2	28.0	28.2	28.2	28.2	28.2
H165	16.0	16.0	16.0	22.4	25.7	26.7	27.6	28.4	28.6	28.6	28.6	28.6
H168	21.3	21.3	21.3	27.7	31.0	32.0	32.9	33.7	33.9	33.9	33.9	33.9
H173	23.7	23.7	23.7	30.1	33.4	34.4	35.3	36.1	36.3	36.3	36.3	36.3
H209	26.1	26.1	26.1	32.5	35.8	36.8	37.7	38.5	38.7	38.7	38.7	38.7
H222	19.7	19.7	19.7	26.1	29.4	30.4	31.3	32.1	32.3	32.3	32.3	32.3
H224	23.6	23.6	23.6	30.0	33.3	34.3	35.2	36.0	36.2	36.2	36.2	36.2

Table 11.10.14: Predicted Noise Levels for Proposed Development for 30 Degree Sector - Enercon Option

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	10.9	10.9	10.9	17.3	20.6	21.6	22.5	23.3	23.5	23.5	23.5	23.5
H2	10.5	10.5	10.5	16.9	20.2	21.2	22.1	22.9	23.1	23.1	23.1	23.1
H3	13.3	13.3	13.3	19.7	23.0	24.0	24.9	25.7	25.9	25.9	25.9	25.9
H4	15.0	15.0	15.0	21.4	24.7	25.7	26.6	27.4	27.6	27.6	27.6	27.6
H5	17.2	17.2	17.2	23.6	26.9	27.9	28.8	29.6	29.8	29.8	29.8	29.8
H6	19.5	19.5	19.5	25.9	29.2	30.2	31.1	31.9	32.1	32.1	32.1	32.1
H10	21.5	21.5	21.5	27.9	31.2	32.2	33.1	33.9	34.1	34.1	34.1	34.1
H11	20.1	20.1	20.1	26.5	29.8	30.8	31.7	32.5	32.7	32.7	32.7	32.7
H12	20.4	20.4	20.4	26.8	30.1	31.1	32.0	32.8	33.0	33.0	33.0	33.0
H13	20.7	20.7	20.7	27.1	30.4	31.4	32.3	33.1	33.3	33.3	33.3	33.3
H14	20.2	20.2	20.2	26.6	29.9	30.9	31.8	32.6	32.8	32.8	32.8	32.8
H16	20.0	20.0	20.0	26.4	29.7	30.7	31.6	32.4	32.6	32.6	32.6	32.6
H22	22.7	22.7	22.7	29.1	32.4	33.4	34.3	35.1	35.3	35.3	35.3	35.3
H24	19.8	19.8	19.8	26.2	29.5	30.5	31.4	32.2	32.4	32.4	32.4	32.4
H27	25.5	25.5	25.5	31.9	35.2	36.2	37.1	37.9	38.1	38.1	38.1	38.1
H33	17.5	17.5	17.5	23.9	27.2	28.2	29.1	29.9	30.1	30.1	30.1	30.1
H34	21.1	21.1	21.1	27.5	30.8	31.8	32.7	33.5	33.7	33.7	33.7	33.7
H39	17.4	17.4	17.4	23.8	27.1	28.1	29.0	29.8	30.0	30.0	30.0	30.0
H45	23.6	23.6	23.6	30.0	33.3	34.3	35.2	36.0	36.2	36.2	36.2	36.2
H49	23.5	23.5	23.5	29.9	33.2	34.2	35.1	35.9	36.1	36.1	36.1	36.1
H52	20.2	20.2	20.2	26.6	29.9	30.9	31.8	32.6	32.8	32.8	32.8	32.8
H91	20.4	20.4	20.4	26.8	30.1	31.1	32.0	32.8	33.0	33.0	33.0	33.0
H94	24.2	24.2	24.2	30.6	33.9	34.9	35.8	36.6	36.8	36.8	36.8	36.8
H158	14.8	14.8	14.8	21.2	24.5	25.5	26.4	27.2	27.4	27.4	27.4	27.4
H162	18.3	18.3	18.3	24.7	28.0	29.0	29.9	30.7	30.9	30.9	30.9	30.9
H164	19.0	19.0	19.0	25.4	28.7	29.7	30.6	31.4	31.6	31.6	31.6	31.6
H165	19.2	19.2	19.2	25.6	28.9	29.9	30.8	31.6	31.8	31.8	31.8	31.8
H168	21.5	21.5	21.5	27.9	31.2	32.2	33.1	33.9	34.1	34.1	34.1	34.1
H173	23.8	23.8	23.8	30.2	33.5	34.5	35.4	36.2	36.4	36.4	36.4	36.4
H209	25.7	25.7	25.7	32.1	35.4	36.4	37.3	38.1	38.3	38.3	38.3	38.3
H222	18.0	18.0	18.0	24.4	27.7	28.7	29.6	30.4	30.6	30.6	30.6	30.6
H224	23.2	23.2	23.2	29.6	32.9	33.9	34.8	35.6	35.8	35.8	35.8	35.8

Table 11.10.15: Predicted Noise Levels for Proposed Development for 60 Degree Sector - Enercon Option

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	14.9	14.9	14.9	21.3	24.6	25.6	26.5	27.3	27.5	27.5	27.5	27.5
H2	14.5	14.5	14.5	20.9	24.2	25.2	26.1	26.9	27.1	27.1	27.1	27.1
H3	16.8	16.8	16.8	23.2	26.5	27.5	28.4	29.2	29.4	29.4	29.4	29.4
H4	17.4	17.4	17.4	23.8	27.1	28.1	29.0	29.8	30.0	30.0	30.0	30.0
H5	18.3	18.3	18.3	24.7	28.0	29.0	29.9	30.7	30.9	30.9	30.9	30.9
H6	20.2	20.2	20.2	26.6	29.9	30.9	31.8	32.6	32.8	32.8	32.8	32.8
H10	21.7	21.7	21.7	28.1	31.4	32.4	33.3	34.1	34.3	34.3	34.3	34.3
H11	20.4	20.4	20.4	26.8	30.1	31.1	32.0	32.8	33.0	33.0	33.0	33.0
H12	20.7	20.7	20.7	27.1	30.4	31.4	32.3	33.1	33.3	33.3	33.3	33.3
H13	21.0	21.0	21.0	27.4	30.7	31.7	32.6	33.4	33.6	33.6	33.6	33.6
H14	20.5	20.5	20.5	26.9	30.2	31.2	32.1	32.9	33.1	33.1	33.1	33.1
H16	20.3	20.3	20.3	26.7	30.0	31.0	31.9	32.7	32.9	32.9	32.9	32.9
H22	22.7	22.7	22.7	29.1	32.4	33.4	34.3	35.1	35.3	35.3	35.3	35.3
H24	19.8	19.8	19.8	26.2	29.5	30.5	31.4	32.2	32.4	32.4	32.4	32.4
H27	24.9	24.9	24.9	31.3	34.6	35.6	36.5	37.3	37.5	37.5	37.5	37.5
H33	14.6	14.6	14.6	21.0	24.3	25.3	26.2	27.0	27.2	27.2	27.2	27.2
H34	21.3	21.3	21.3	27.7	31.0	32.0	32.9	33.7	33.9	33.9	33.9	33.9
H39	13.9	13.9	13.9	20.3	23.6	24.6	25.5	26.3	26.5	26.5	26.5	26.5
H45	23.6	23.6	23.6	30.0	33.3	34.3	35.2	36.0	36.2	36.2	36.2	36.2
H49	22.1	22.1	22.1	28.5	31.8	32.8	33.7	34.5	34.7	34.7	34.7	34.7
H52	19.9	19.9	19.9	26.3	29.6	30.6	31.5	32.3	32.5	32.5	32.5	32.5
H91	20.4	20.4	20.4	26.8	30.1	31.1	32.0	32.8	33.0	33.0	33.0	33.0
H94	24.2	24.2	24.2	30.6	33.9	34.9	35.8	36.6	36.8	36.8	36.8	36.8
H158	17.3	17.3	17.3	23.7	27.0	28.0	28.9	29.7	29.9	29.9	29.9	29.9
H162	19.1	19.1	19.1	25.5	28.8	29.8	30.7	31.5	31.7	31.7	31.7	31.7
H164	19.8	19.8	19.8	26.2	29.5	30.5	31.4	32.2	32.4	32.4	32.4	32.4
H165	20.0	20.0	20.0	26.4	29.7	30.7	31.6	32.4	32.6	32.6	32.6	32.6
H168	21.5	21.5	21.5	27.9	31.2	32.2	33.1	33.9	34.1	34.1	34.1	34.1
H173	23.8	23.8	23.8	30.2	33.5	34.5	35.4	36.2	36.4	36.4	36.4	36.4
H209	25.1	25.1	25.1	31.5	34.8	35.8	36.7	37.5	37.7	37.7	37.7	37.7
H222	14.8	14.8	14.8	21.2	24.5	25.5	26.4	27.2	27.4	27.4	27.4	27.4
H224	22.0	22.0	22.0	28.4	31.7	32.7	33.6	34.4	34.6	34.6	34.6	34.6

Table 11.10.16: Predicted Noise Levels for Proposed Development for 90 Degree Sector - Enercon Option

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	16.3	16.3	16.3	22.7	26.0	27.0	27.9	28.7	28.9	28.9	28.9	28.9
H2	15.7	15.7	15.7	22.1	25.4	26.4	27.3	28.1	28.3	28.3	28.3	28.3
H3	17.3	17.3	17.3	23.7	27.0	28.0	28.9	29.7	29.9	29.9	29.9	29.9
H4	17.4	17.4	17.4	23.8	27.1	28.1	29.0	29.8	30.0	30.0	30.0	30.0
H5	18.3	18.3	18.3	24.7	28.0	29.0	29.9	30.7	30.9	30.9	30.9	30.9
H6	20.2	20.2	20.2	26.6	29.9	30.9	31.8	32.6	32.8	32.8	32.8	32.8
H10	21.7	21.7	21.7	28.1	31.4	32.4	33.3	34.1	34.3	34.3	34.3	34.3
H11	20.4	20.4	20.4	26.8	30.1	31.1	32.0	32.8	33.0	33.0	33.0	33.0
H12	20.7	20.7	20.7	27.1	30.4	31.4	32.3	33.1	33.3	33.3	33.3	33.3
H13	21.0	21.0	21.0	27.4	30.7	31.7	32.6	33.4	33.6	33.6	33.6	33.6
H14	20.5	20.5	20.5	26.9	30.2	31.2	32.1	32.9	33.1	33.1	33.1	33.1
H16	20.3	20.3	20.3	26.7	30.0	31.0	31.9	32.7	32.9	32.9	32.9	32.9
H22	22.7	22.7	22.7	29.1	32.4	33.4	34.3	35.1	35.3	35.3	35.3	35.3
H24	19.1	19.1	19.1	25.5	28.8	29.8	30.7	31.5	31.7	31.7	31.7	31.7
H27	23.7	23.7	23.7	30.1	33.4	34.4	35.3	36.1	36.3	36.3	36.3	36.3
H33	13.3	13.3	13.3	19.7	23.0	24.0	24.9	25.7	25.9	25.9	25.9	25.9
H34	21.3	21.3	21.3	27.7	31.0	32.0	32.9	33.7	33.9	33.9	33.9	33.9
H39	11.8	11.8	11.8	18.2	21.5	22.5	23.4	24.2	24.4	24.4	24.4	24.4
H45	23.6	23.6	23.6	30.0	33.3	34.3	35.2	36.0	36.2	36.2	36.2	36.2
H49	19.8	19.8	19.8	26.2	29.5	30.5	31.4	32.2	32.4	32.4	32.4	32.4
H52	18.8	18.8	18.8	25.2	28.5	29.5	30.4	31.2	31.4	31.4	31.4	31.4
H91	19.0	19.0	19.0	25.4	28.7	29.7	30.6	31.4	31.6	31.6	31.6	31.6
H94	24.0	24.0	24.0	30.4	33.7	34.7	35.6	36.4	36.6	36.6	36.6	36.6
H158	17.3	17.3	17.3	23.7	27.0	28.0	28.9	29.7	29.9	29.9	29.9	29.9
H162	19.1	19.1	19.1	25.5	28.8	29.8	30.7	31.5	31.7	31.7	31.7	31.7
H164	19.8	19.8	19.8	26.2	29.5	30.5	31.4	32.2	32.4	32.4	32.4	32.4
H165	20.0	20.0	20.0	26.4	29.7	30.7	31.6	32.4	32.6	32.6	32.6	32.6
H168	21.5	21.5	21.5	27.9	31.2	32.2	33.1	33.9	34.1	34.1	34.1	34.1
H173	23.8	23.8	23.8	30.2	33.5	34.5	35.4	36.2	36.4	36.4	36.4	36.4
H209	23.9	23.9	23.9	30.3	33.6	34.6	35.5	36.3	36.5	36.5	36.5	36.5
H222	12.8	12.8	12.8	19.2	22.5	23.5	24.4	25.2	25.4	25.4	25.4	25.4
H224	19.4	19.4	19.4	25.8	29.1	30.1	31.0	31.8	32.0	32.0	32.0	32.0

Table 11.10.17: Predicted Noise Levels for Proposed Development for 120 Degree Sector - Enercon Option

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	16.3	16.3	16.3	22.7	26.0	27.0	27.9	28.7	28.9	28.9	28.9	28.9
H2	15.7	15.7	15.7	22.1	25.4	26.4	27.3	28.1	28.3	28.3	28.3	28.3
H3	17.3	17.3	17.3	23.7	27.0	28.0	28.9	29.7	29.9	29.9	29.9	29.9
H4	17.4	17.4	17.4	23.8	27.1	28.1	29.0	29.8	30.0	30.0	30.0	30.0
H5	18.3	18.3	18.3	24.7	28.0	29.0	29.9	30.7	30.9	30.9	30.9	30.9
H6	20.2	20.2	20.2	26.6	29.9	30.9	31.8	32.6	32.8	32.8	32.8	32.8
H10	21.7	21.7	21.7	28.1	31.4	32.4	33.3	34.1	34.3	34.3	34.3	34.3
H11	20.4	20.4	20.4	26.8	30.1	31.1	32.0	32.8	33.0	33.0	33.0	33.0
H12	20.7	20.7	20.7	27.1	30.4	31.4	32.3	33.1	33.3	33.3	33.3	33.3
H13	21.0	21.0	21.0	27.4	30.7	31.7	32.6	33.4	33.6	33.6	33.6	33.6
H14	20.5	20.5	20.5	26.9	30.2	31.2	32.1	32.9	33.1	33.1	33.1	33.1
H16	20.3	20.3	20.3	26.7	30.0	31.0	31.9	32.7	32.9	32.9	32.9	32.9
H22	22.1	22.1	22.1	28.5	31.8	32.8	33.7	34.5	34.7	34.7	34.7	34.7
H24	15.6	15.6	15.6	22.0	25.3	26.3	27.2	28.0	28.2	28.2	28.2	28.2
H27	22.6	22.6	22.6	29.0	32.3	33.3	34.2	35.0	35.2	35.2	35.2	35.2
H33	13.2	13.2	13.2	19.6	22.9	23.9	24.8	25.6	25.8	25.8	25.8	25.8
H34	21.3	21.3	21.3	27.7	31.0	32.0	32.9	33.7	33.9	33.9	33.9	33.9
H39	11.3	11.3	11.3	17.7	21.0	22.0	22.9	23.7	23.9	23.9	23.9	23.9
H45	23.2	23.2	23.2	29.6	32.9	33.9	34.8	35.6	35.8	35.8	35.8	35.8
H49	18.5	18.5	18.5	24.9	28.2	29.2	30.1	30.9	31.1	31.1	31.1	31.1
H52	15.1	15.1	15.1	21.5	24.8	25.8	26.7	27.5	27.7	27.7	27.7	27.7
H91	15.3	15.3	15.3	21.7	25.0	26.0	26.9	27.7	27.9	27.9	27.9	27.9
H94	23.4	23.4	23.4	29.8	33.1	34.1	35.0	35.8	36.0	36.0	36.0	36.0
H158	17.3	17.3	17.3	23.7	27.0	28.0	28.9	29.7	29.9	29.9	29.9	29.9
H162	19.1	19.1	19.1	25.5	28.8	29.8	30.7	31.5	31.7	31.7	31.7	31.7
H164	19.8	19.8	19.8	26.2	29.5	30.5	31.4	32.2	32.4	32.4	32.4	32.4
H165	20.0	20.0	20.0	26.4	29.7	30.7	31.6	32.4	32.6	32.6	32.6	32.6
H168	21.3	21.3	21.3	27.7	31.0	32.0	32.9	33.7	33.9	33.9	33.9	33.9
H173	23.4	23.4	23.4	29.8	33.1	34.1	35.0	35.8	36.0	36.0	36.0	36.0
H209	22.9	22.9	22.9	29.3	32.6	33.6	34.5	35.3	35.5	35.5	35.5	35.5
H222	12.3	12.3	12.3	18.7	22.0	23.0	23.9	24.7	24.9	24.9	24.9	24.9
H224	17.6	17.6	17.6	24.0	27.3	28.3	29.2	30.0	30.2	30.2	30.2	30.2

Table 11.10.18: Predicted Noise Levels for Proposed Development for 150 Degree Sector - Enercon Option

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	16.3	16.3	16.3	22.7	26.0	27.0	27.9	28.7	28.9	28.9	28.9	28.9
H2	15.7	15.7	15.7	22.1	25.4	26.4	27.3	28.1	28.3	28.3	28.3	28.3
H3	17.3	17.3	17.3	23.7	27.0	28.0	28.9	29.7	29.9	29.9	29.9	29.9
H4	17.4	17.4	17.4	23.8	27.1	28.1	29.0	29.8	30.0	30.0	30.0	30.0
H5	18.3	18.3	18.3	24.7	28.0	29.0	29.9	30.7	30.9	30.9	30.9	30.9
H6	20.2	20.2	20.2	26.6	29.9	30.9	31.8	32.6	32.8	32.8	32.8	32.8
H10	21.7	21.7	21.7	28.1	31.4	32.4	33.3	34.1	34.3	34.3	34.3	34.3
H11	20.4	20.4	20.4	26.8	30.1	31.1	32.0	32.8	33.0	33.0	33.0	33.0
H12	20.7	20.7	20.7	27.1	30.4	31.4	32.3	33.1	33.3	33.3	33.3	33.3
H13	21.0	21.0	21.0	27.4	30.7	31.7	32.6	33.4	33.6	33.6	33.6	33.6
H14	20.5	20.5	20.5	26.9	30.2	31.2	32.1	32.9	33.1	33.1	33.1	33.1
H16	20.3	20.3	20.3	26.7	30.0	31.0	31.9	32.7	32.9	32.9	32.9	32.9
H22	20.5	20.5	20.5	26.9	30.2	31.2	32.1	32.9	33.1	33.1	33.1	33.1
H24	12.3	12.3	12.3	18.7	22.0	23.0	23.9	24.7	24.9	24.9	24.9	24.9
H27	22.4	22.4	22.4	28.8	32.1	33.1	34.0	34.8	35.0	35.0	35.0	35.0
H33	14.3	14.3	14.3	20.7	24.0	25.0	25.9	26.7	26.9	26.9	26.9	26.9
H34	21.3	21.3	21.3	27.7	31.0	32.0	32.9	33.7	33.9	33.9	33.9	33.9
H39	12.3	12.3	12.3	18.7	22.0	23.0	23.9	24.7	24.9	24.9	24.9	24.9
H45	22.5	22.5	22.5	28.9	32.2	33.2	34.1	34.9	35.1	35.1	35.1	35.1
H49	18.4	18.4	18.4	24.8	28.1	29.1	30.0	30.8	31.0	31.0	31.0	31.0
H52	12.8	12.8	12.8	19.2	22.5	23.5	24.4	25.2	25.4	25.4	25.4	25.4
H91	12.6	12.6	12.6	19.0	22.3	23.3	24.2	25.0	25.2	25.2	25.2	25.2
H94	21.8	21.8	21.8	28.2	31.5	32.5	33.4	34.2	34.4	34.4	34.4	34.4
H158	17.3	17.3	17.3	23.7	27.0	28.0	28.9	29.7	29.9	29.9	29.9	29.9
H162	19.1	19.1	19.1	25.5	28.8	29.8	30.7	31.5	31.7	31.7	31.7	31.7
H164	19.8	19.8	19.8	26.2	29.5	30.5	31.4	32.2	32.4	32.4	32.4	32.4
H165	20.0	20.0	20.0	26.4	29.7	30.7	31.6	32.4	32.6	32.6	32.6	32.6
H168	20.1	20.1	20.1	26.5	29.8	30.8	31.7	32.5	32.7	32.7	32.7	32.7
H173	22.7	22.7	22.7	29.1	32.4	33.4	34.3	35.1	35.3	35.3	35.3	35.3
H209	22.7	22.7	22.7	29.1	32.4	33.4	34.3	35.1	35.3	35.3	35.3	35.3
H222	13.3	13.3	13.3	19.7	23.0	24.0	24.9	25.7	25.9	25.9	25.9	25.9
H224	17.3	17.3	17.3	23.7	27.0	28.0	28.9	29.7	29.9	29.9	29.9	29.9

Table 11.10.19: Predicted Noise Levels for Proposed Development for 180 Degree Sector - Enercon Option

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	16.3	16.3	16.3	22.7	26.0	27.0	27.9	28.7	28.9	28.9	28.9	28.9
H2	15.7	15.7	15.7	22.1	25.4	26.4	27.3	28.1	28.3	28.3	28.3	28.3
H3	17.3	17.3	17.3	23.7	27.0	28.0	28.9	29.7	29.9	29.9	29.9	29.9
H4	17.4	17.4	17.4	23.8	27.1	28.1	29.0	29.8	30.0	30.0	30.0	30.0
H5	18.2	18.2	18.2	24.6	27.9	28.9	29.8	30.6	30.8	30.8	30.8	30.8
H6	20.2	20.2	20.2	26.6	29.9	30.9	31.8	32.6	32.8	32.8	32.8	32.8
H10	21.4	21.4	21.4	27.8	31.1	32.1	33.0	33.8	34.0	34.0	34.0	34.0
H11	19.9	19.9	19.9	26.3	29.6	30.6	31.5	32.3	32.5	32.5	32.5	32.5
H12	20.2	20.2	20.2	26.6	29.9	30.9	31.8	32.6	32.8	32.8	32.8	32.8
H13	20.6	20.6	20.6	27.0	30.3	31.3	32.2	33.0	33.2	33.2	33.2	33.2
H14	19.9	19.9	19.9	26.3	29.6	30.6	31.5	32.3	32.5	32.5	32.5	32.5
H16	19.7	19.7	19.7	26.1	29.4	30.4	31.3	32.1	32.3	32.3	32.3	32.3
H22	18.0	18.0	18.0	24.4	27.7	28.7	29.6	30.4	30.6	30.6	30.6	30.6
H24	10.9	10.9	10.9	17.3	20.6	21.6	22.5	23.3	23.5	23.5	23.5	23.5
H27	22.8	22.8	22.8	29.2	32.5	33.5	34.4	35.2	35.4	35.4	35.4	35.4
H33	17.3	17.3	17.3	23.7	27.0	28.0	28.9	29.7	29.9	29.9	29.9	29.9
H34	20.6	20.6	20.6	27.0	30.3	31.3	32.2	33.0	33.2	33.2	33.2	33.2
H39	15.4	15.4	15.4	21.8	25.1	26.1	27.0	27.8	28.0	28.0	28.0	28.0
H45	20.6	20.6	20.6	27.0	30.3	31.3	32.2	33.0	33.2	33.2	33.2	33.2
H49	19.3	19.3	19.3	25.7	29.0	30.0	30.9	31.7	31.9	31.9	31.9	31.9
H52	12.2	12.2	12.2	18.6	21.9	22.9	23.8	24.6	24.8	24.8	24.8	24.8
H91	11.8	11.8	11.8	18.2	21.5	22.5	23.4	24.2	24.4	24.4	24.4	24.4
H94	20.4	20.4	20.4	26.8	30.1	31.1	32.0	32.8	33.0	33.0	33.0	33.0
H158	17.3	17.3	17.3	23.7	27.0	28.0	28.9	29.7	29.9	29.9	29.9	29.9
H162	19.0	19.0	19.0	25.4	28.7	29.7	30.6	31.4	31.6	31.6	31.6	31.6
H164	19.7	19.7	19.7	26.1	29.4	30.4	31.3	32.1	32.3	32.3	32.3	32.3
H165	19.9	19.9	19.9	26.3	29.6	30.6	31.5	32.3	32.5	32.5	32.5	32.5
H168	17.2	17.2	17.2	23.6	26.9	27.9	28.8	29.6	29.8	29.8	29.8	29.8
H173	21.0	21.0	21.0	27.4	30.7	31.7	32.6	33.4	33.6	33.6	33.6	33.6
H209	23.1	23.1	23.1	29.5	32.8	33.8	34.7	35.5	35.7	35.7	35.7	35.7
H222	16.0	16.0	16.0	22.4	25.7	26.7	27.6	28.4	28.6	28.6	28.6	28.6
H224	18.2	18.2	18.2	24.6	27.9	28.9	29.8	30.6	30.8	30.8	30.8	30.8

Table 11.10.20: Predicted Noise Levels for Proposed Development for 210 Degree Sector - Enercon Option

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	16.0	16.0	16.0	22.4	25.7	26.7	27.6	28.4	28.6	28.6	28.6	28.6
H2	15.5	15.5	15.5	21.9	25.2	26.2	27.1	27.9	28.1	28.1	28.1	28.1
H3	17.0	17.0	17.0	23.4	26.7	27.7	28.6	29.4	29.6	29.6	29.6	29.6
H4	16.2	16.2	16.2	22.6	25.9	26.9	27.8	28.6	28.8	28.8	28.8	28.8
H5	15.9	15.9	15.9	22.3	25.6	26.6	27.5	28.3	28.5	28.5	28.5	28.5
H6	18.0	18.0	18.0	24.4	27.7	28.7	29.6	30.4	30.6	30.6	30.6	30.6
H10	19.1	19.1	19.1	25.5	28.8	29.8	30.7	31.5	31.7	31.7	31.7	31.7
H11	16.9	16.9	16.9	23.3	26.6	27.6	28.5	29.3	29.5	29.5	29.5	29.5
H12	17.4	17.4	17.4	23.8	27.1	28.1	29.0	29.8	30.0	30.0	30.0	30.0
H13	17.9	17.9	17.9	24.3	27.6	28.6	29.5	30.3	30.5	30.5	30.5	30.5
H14	17.0	17.0	17.0	23.4	26.7	27.7	28.6	29.4	29.6	29.6	29.6	29.6
H16	16.7	16.7	16.7	23.1	26.4	27.4	28.3	29.1	29.3	29.3	29.3	29.3
H22	16.9	16.9	16.9	23.3	26.6	27.6	28.5	29.3	29.5	29.5	29.5	29.5
H24	11.2	11.2	11.2	17.6	20.9	21.9	22.8	23.6	23.8	23.8	23.8	23.8
H27	24.0	24.0	24.0	30.4	33.7	34.7	35.6	36.4	36.6	36.6	36.6	36.6
H33	20.0	20.0	20.0	26.4	29.7	30.7	31.6	32.4	32.6	32.6	32.6	32.6
H34	18.1	18.1	18.1	24.5	27.8	28.8	29.7	30.5	30.7	30.7	30.7	30.7
H39	18.6	18.6	18.6	25.0	28.3	29.3	30.2	31.0	31.2	31.2	31.2	31.2
H45	19.5	19.5	19.5	25.9	29.2	30.2	31.1	31.9	32.1	32.1	32.1	32.1
H49	21.4	21.4	21.4	27.8	31.1	32.1	33.0	33.8	34.0	34.0	34.0	34.0
H52	12.9	12.9	12.9	19.3	22.6	23.6	24.5	25.3	25.5	25.5	25.5	25.5
H91	12.3	12.3	12.3	18.7	22.0	23.0	23.9	24.7	24.9	24.9	24.9	24.9
H94	19.9	19.9	19.9	26.3	29.6	30.6	31.5	32.3	32.5	32.5	32.5	32.5
H158	16.0	16.0	16.0	22.4	25.7	26.7	27.6	28.4	28.6	28.6	28.6	28.6
H162	16.4	16.4	16.4	22.8	26.1	27.1	28.0	28.8	29.0	29.0	29.0	29.0
H164	17.3	17.3	17.3	23.7	27.0	28.0	28.9	29.7	29.9	29.9	29.9	29.9
H165	17.6	17.6	17.6	24.0	27.3	28.3	29.2	30.0	30.2	30.2	30.2	30.2
H168	15.1	15.1	15.1	21.5	24.8	25.8	26.7	27.5	27.7	27.7	27.7	27.7
H173	20.0	20.0	20.0	26.4	29.7	30.7	31.6	32.4	32.6	32.6	32.6	32.6
H209	24.2	24.2	24.2	30.6	33.9	34.9	35.8	36.6	36.8	36.8	36.8	36.8
H222	18.9	18.9	18.9	25.3	28.6	29.6	30.5	31.3	31.5	31.5	31.5	31.5
H224	20.3	20.3	20.3	26.7	30.0	31.0	31.9	32.7	32.9	32.9	32.9	32.9

Table 11.10.21: Predicted Noise Levels for Proposed Development for 240 Degree Sector - Enercon Option

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	13.5	13.5	13.5	19.9	23.2	24.2	25.1	25.9	26.1	26.1	26.1	26.1
H2	12.9	12.9	12.9	19.3	22.6	23.6	24.5	25.3	25.5	25.5	25.5	25.5
H3	13.6	13.6	13.6	20.0	23.3	24.3	25.2	26.0	26.2	26.2	26.2	26.2
H4	11.8	11.8	11.8	18.2	21.5	22.5	23.4	24.2	24.4	24.4	24.4	24.4
H5	12.0	12.0	12.0	18.4	21.7	22.7	23.6	24.4	24.6	24.6	24.6	24.6
H6	15.0	15.0	15.0	21.4	24.7	25.7	26.6	27.4	27.6	27.6	27.6	27.6
H10	17.3	17.3	17.3	23.7	27.0	28.0	28.9	29.7	29.9	29.9	29.9	29.9
H11	14.4	14.4	14.4	20.8	24.1	25.1	26.0	26.8	27.0	27.0	27.0	27.0
H12	15.0	15.0	15.0	21.4	24.7	25.7	26.6	27.4	27.6	27.6	27.6	27.6
H13	15.7	15.7	15.7	22.1	25.4	26.4	27.3	28.1	28.3	28.3	28.3	28.3
H14	14.5	14.5	14.5	20.9	24.2	25.2	26.1	26.9	27.1	27.1	27.1	27.1
H16	14.0	14.0	14.0	20.4	23.7	24.7	25.6	26.4	26.6	26.6	26.6	26.6
H22	16.9	16.9	16.9	23.3	26.6	27.6	28.5	29.3	29.5	29.5	29.5	29.5
H24	13.2	13.2	13.2	19.6	22.9	23.9	24.8	25.6	25.8	25.8	25.8	25.8
H27	24.9	24.9	24.9	31.3	34.6	35.6	36.5	37.3	37.5	37.5	37.5	37.5
H33	20.5	20.5	20.5	26.9	30.2	31.2	32.1	32.9	33.1	33.1	33.1	33.1
H34	16.1	16.1	16.1	22.5	25.8	26.8	27.7	28.5	28.7	28.7	28.7	28.7
H39	19.7	19.7	19.7	26.1	29.4	30.4	31.3	32.1	32.3	32.3	32.3	32.3
H45	19.3	19.3	19.3	25.7	29.0	30.0	30.9	31.7	31.9	31.9	31.9	31.9
H49	23.1	23.1	23.1	29.5	32.8	33.8	34.7	35.5	35.7	35.7	35.7	35.7
H52	15.4	15.4	15.4	21.8	25.1	26.1	27.0	27.8	28.0	28.0	28.0	28.0
H91	14.6	14.6	14.6	21.0	24.3	25.3	26.2	27.0	27.2	27.2	27.2	27.2
H94	20.2	20.2	20.2	26.6	29.9	30.9	31.8	32.6	32.8	32.8	32.8	32.8
H158	11.6	11.6	11.6	18.0	21.3	22.3	23.2	24.0	24.2	24.2	24.2	24.2
H162	12.7	12.7	12.7	19.1	22.4	23.4	24.3	25.1	25.3	25.3	25.3	25.3
H164	14.1	14.1	14.1	20.5	23.8	24.8	25.7	26.5	26.7	26.7	26.7	26.7
H165	14.5	14.5	14.5	20.9	24.2	25.2	26.1	26.9	27.1	27.1	27.1	27.1
H168	14.6	14.6	14.6	21.0	24.3	25.3	26.2	27.0	27.2	27.2	27.2	27.2
H173	19.8	19.8	19.8	26.2	29.5	30.5	31.4	32.2	32.4	32.4	32.4	32.4
H209	25.0	25.0	25.0	31.4	34.7	35.7	36.6	37.4	37.6	37.6	37.6	37.6
H222	20.1	20.1	20.1	26.5	29.8	30.8	31.7	32.5	32.7	32.7	32.7	32.7
H224	22.3	22.3	22.3	28.7	32.0	33.0	33.9	34.7	34.9	34.9	34.9	34.9

Table 11.10.22: Predicted Noise Levels for Proposed Development for 270 Degree Sector - Enercon Option

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	9.1	9.1	9.1	15.5	18.8	19.8	20.7	21.5	21.7	21.7	21.7	21.7
H2	8.5	8.5	8.5	14.9	18.2	19.2	20.1	20.9	21.1	21.1	21.1	21.1
H3	9.8	9.8	9.8	16.2	19.5	20.5	21.4	22.2	22.4	22.4	22.4	22.4
H4	8.9	8.9	8.9	15.3	18.6	19.6	20.5	21.3	21.5	21.5	21.5	21.5
H5	9.9	9.9	9.9	16.3	19.6	20.6	21.5	22.3	22.5	22.5	22.5	22.5
H6	13.7	13.7	13.7	20.1	23.4	24.4	25.3	26.1	26.3	26.3	26.3	26.3
H10	16.7	16.7	16.7	23.1	26.4	27.4	28.3	29.1	29.3	29.3	29.3	29.3
H11	13.4	13.4	13.4	19.8	23.1	24.1	25.0	25.8	26.0	26.0	26.0	26.0
H12	14.1	14.1	14.1	20.5	23.8	24.8	25.7	26.5	26.7	26.7	26.7	26.7
H13	14.9	14.9	14.9	21.3	24.6	25.6	26.5	27.3	27.5	27.5	27.5	27.5
H14	13.5	13.5	13.5	19.9	23.2	24.2	25.1	25.9	26.1	26.1	26.1	26.1
H16	13.0	13.0	13.0	19.4	22.7	23.7	24.6	25.4	25.6	25.6	25.6	25.6
H22	18.0	18.0	18.0	24.4	27.7	28.7	29.6	30.4	30.6	30.6	30.6	30.6
H24	16.9	16.9	16.9	23.3	26.6	27.6	28.5	29.3	29.5	29.5	29.5	29.5
H27	25.7	25.7	25.7	32.1	35.4	36.4	37.3	38.1	38.3	38.3	38.3	38.3
H33	20.5	20.5	20.5	26.9	30.2	31.2	32.1	32.9	33.1	33.1	33.1	33.1
H34	15.5	15.5	15.5	21.9	25.2	26.2	27.1	27.9	28.1	28.1	28.1	28.1
H39	19.7	19.7	19.7	26.1	29.4	30.4	31.3	32.1	32.3	32.3	32.3	32.3
H45	19.9	19.9	19.9	26.3	29.6	30.6	31.5	32.3	32.5	32.5	32.5	32.5
H49	24.0	24.0	24.0	30.4	33.7	34.7	35.6	36.4	36.6	36.6	36.6	36.6
H52	18.3	18.3	18.3	24.7	28.0	29.0	29.9	30.7	30.9	30.9	30.9	30.9
H91	18.5	18.5	18.5	24.9	28.2	29.2	30.1	30.9	31.1	31.1	31.1	31.1
H94	21.3	21.3	21.3	27.7	31.0	32.0	32.9	33.7	33.9	33.9	33.9	33.9
H158	8.6	8.6	8.6	15.0	18.3	19.3	20.2	21.0	21.2	21.2	21.2	21.2
H162	11.0	11.0	11.0	17.4	20.7	21.7	22.6	23.4	23.6	23.6	23.6	23.6
H164	12.6	12.6	12.6	19.0	22.3	23.3	24.2	25.0	25.2	25.2	25.2	25.2
H165	13.0	13.0	13.0	19.4	22.7	23.7	24.6	25.4	25.6	25.6	25.6	25.6
H168	15.2	15.2	15.2	21.6	24.9	25.9	26.8	27.6	27.8	27.8	27.8	27.8
H173	20.3	20.3	20.3	26.7	30.0	31.0	31.9	32.7	32.9	32.9	32.9	32.9
H209	25.8	25.8	25.8	32.2	35.5	36.5	37.4	38.2	38.4	38.4	38.4	38.4
H222	20.1	20.1	20.1	26.5	29.8	30.8	31.7	32.5	32.7	32.7	32.7	32.7
H224	23.5	23.5	23.5	29.9	33.2	34.2	35.1	35.9	36.1	36.1	36.1	36.1

Table 11.10.23: Predicted Noise Levels for Proposed Development for 300 Degree Sector - Enercon Option

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	6.8	6.8	6.8	13.2	16.5	17.5	18.4	19.2	19.4	19.4	19.4	19.4
H2	6.2	6.2	6.2	12.6	15.9	16.9	17.8	18.6	18.8	18.8	18.8	18.8
H3	8.1	8.1	8.1	14.5	17.8	18.8	19.7	20.5	20.7	20.7	20.7	20.7
H4	7.9	7.9	7.9	14.3	17.6	18.6	19.5	20.3	20.5	20.5	20.5	20.5
H5	9.5	9.5	9.5	15.9	19.2	20.2	21.1	21.9	22.1	22.1	22.1	22.1
H6	13.5	13.5	13.5	19.9	23.2	24.2	25.1	25.9	26.1	26.1	26.1	26.1
H10	16.8	16.8	16.8	23.2	26.5	27.5	28.4	29.2	29.4	29.4	29.4	29.4
H11	13.6	13.6	13.6	20.0	23.3	24.3	25.2	26.0	26.2	26.2	26.2	26.2
H12	14.3	14.3	14.3	20.7	24.0	25.0	25.9	26.7	26.9	26.9	26.9	26.9
H13	15.0	15.0	15.0	21.4	24.7	25.7	26.6	27.4	27.6	27.6	27.6	27.6
H14	13.7	13.7	13.7	20.1	23.4	24.4	25.3	26.1	26.3	26.3	26.3	26.3
H16	13.2	13.2	13.2	19.6	22.9	23.9	24.8	25.6	25.8	25.8	25.8	25.8
H22	20.2	20.2	20.2	26.6	29.9	30.9	31.8	32.6	32.8	32.8	32.8	32.8
H24	19.5	19.5	19.5	25.9	29.2	30.2	31.1	31.9	32.1	32.1	32.1	32.1
H27	25.9	25.9	25.9	32.3	35.6	36.6	37.5	38.3	38.5	38.5	38.5	38.5
H33	20.5	20.5	20.5	26.9	30.2	31.2	32.1	32.9	33.1	33.1	33.1	33.1
H34	15.8	15.8	15.8	22.2	25.5	26.5	27.4	28.2	28.4	28.4	28.4	28.4
H39	19.7	19.7	19.7	26.1	29.4	30.4	31.3	32.1	32.3	32.3	32.3	32.3
H45	21.3	21.3	21.3	27.7	31.0	32.0	32.9	33.7	33.9	33.9	33.9	33.9
H49	24.0	24.0	24.0	30.4	33.7	34.7	35.6	36.4	36.6	36.6	36.6	36.6
H52	20.2	20.2	20.2	26.6	29.9	30.9	31.8	32.6	32.8	32.8	32.8	32.8
H91	20.3	20.3	20.3	26.7	30.0	31.0	31.9	32.7	32.9	32.9	32.9	32.9
H94	22.7	22.7	22.7	29.1	32.4	33.4	34.3	35.1	35.3	35.3	35.3	35.3
H158	7.7	7.7	7.7	14.1	17.4	18.4	19.3	20.1	20.3	20.3	20.3	20.3
H162	10.8	10.8	10.8	17.2	20.5	21.5	22.4	23.2	23.4	23.4	23.4	23.4
H164	12.4	12.4	12.4	18.8	22.1	23.1	24.0	24.8	25.0	25.0	25.0	25.0
H165	12.9	12.9	12.9	19.3	22.6	23.6	24.5	25.3	25.5	25.5	25.5	25.5
H168	17.2	17.2	17.2	23.6	26.9	27.9	28.8	29.6	29.8	29.8	29.8	29.8
H173	21.6	21.6	21.6	28.0	31.3	32.3	33.2	34.0	34.2	34.2	34.2	34.2
H209	26.1	26.1	26.1	32.5	35.8	36.8	37.7	38.5	38.7	38.7	38.7	38.7
H222	20.1	20.1	20.1	26.5	29.8	30.8	31.7	32.5	32.7	32.7	32.7	32.7
H224	23.6	23.6	23.6	30.0	33.3	34.3	35.2	36.0	36.2	36.2	36.2	36.2

Table 11.10.24: Predicted Noise Levels for Proposed Development for 330 Degree Sector - Enercon Option

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	6.4	6.4	6.4	12.8	16.1	17.1	18.0	18.8	19.0	19.0	19.0	19.0
H2	5.9	5.9	5.9	12.3	15.6	16.6	17.5	18.3	18.5	18.5	18.5	18.5
H3	8.1	8.1	8.1	14.5	17.8	18.8	19.7	20.5	20.7	20.7	20.7	20.7
H4	8.5	8.5	8.5	14.9	18.2	19.2	20.1	20.9	21.1	21.1	21.1	21.1
H5	10.5	10.5	10.5	16.9	20.2	21.2	22.1	22.9	23.1	23.1	23.1	23.1
H6	14.3	14.3	14.3	20.7	24.0	25.0	25.9	26.7	26.9	26.9	26.9	26.9
H10	17.7	17.7	17.7	24.1	27.4	28.4	29.3	30.1	30.3	30.3	30.3	30.3
H11	14.9	14.9	14.9	21.3	24.6	25.6	26.5	27.3	27.5	27.5	27.5	27.5
H12	15.5	15.5	15.5	21.9	25.2	26.2	27.1	27.9	28.1	28.1	28.1	28.1
H13	16.1	16.1	16.1	22.5	25.8	26.8	27.7	28.5	28.7	28.7	28.7	28.7
H14	15.0	15.0	15.0	21.4	24.7	25.7	26.6	27.4	27.6	27.6	27.6	27.6
H16	14.6	14.6	14.6	21.0	24.3	25.3	26.2	27.0	27.2	27.2	27.2	27.2
H22	21.9	21.9	21.9	28.3	31.6	32.6	33.5	34.3	34.5	34.5	34.5	34.5
H24	19.8	19.8	19.8	26.2	29.5	30.5	31.4	32.2	32.4	32.4	32.4	32.4
H27	25.9	25.9	25.9	32.3	35.6	36.6	37.5	38.3	38.5	38.5	38.5	38.5
H33	20.5	20.5	20.5	26.9	30.2	31.2	32.1	32.9	33.1	33.1	33.1	33.1
H34	17.1	17.1	17.1	23.5	26.8	27.8	28.7	29.5	29.7	29.7	29.7	29.7
H39	19.7	19.7	19.7	26.1	29.4	30.4	31.3	32.1	32.3	32.3	32.3	32.3
H45	22.4	22.4	22.4	28.8	32.1	33.1	34.0	34.8	35.0	35.0	35.0	35.0
H49	24.0	24.0	24.0	30.4	33.7	34.7	35.6	36.4	36.6	36.6	36.6	36.6
H52	20.2	20.2	20.2	26.6	29.9	30.9	31.8	32.6	32.8	32.8	32.8	32.8
H91	20.4	20.4	20.4	26.8	30.1	31.1	32.0	32.8	33.0	33.0	33.0	33.0
H94	24.0	24.0	24.0	30.4	33.7	34.7	35.6	36.4	36.6	36.6	36.6	36.6
H158	8.2	8.2	8.2	14.6	17.9	18.9	19.8	20.6	20.8	20.8	20.8	20.8
H162	11.8	11.8	11.8	18.2	21.5	22.5	23.4	24.2	24.4	24.4	24.4	24.4
H164	13.3	13.3	13.3	19.7	23.0	24.0	24.9	25.7	25.9	25.9	25.9	25.9
H165	13.7	13.7	13.7	20.1	23.4	24.4	25.3	26.1	26.3	26.3	26.3	26.3
H168	19.9	19.9	19.9	26.3	29.6	30.6	31.5	32.3	32.5	32.5	32.5	32.5
H173	22.7	22.7	22.7	29.1	32.4	33.4	34.3	35.1	35.3	35.3	35.3	35.3
H209	26.1	26.1	26.1	32.5	35.8	36.8	37.7	38.5	38.7	38.7	38.7	38.7
H222	20.1	20.1	20.1	26.5	29.8	30.8	31.7	32.5	32.7	32.7	32.7	32.7
H224	23.6	23.6	23.6	30.0	33.3	34.3	35.2	36.0	36.2	36.2	36.2	36.2

Technical Appendix 11.11: Directional Margins for Proposed Development

Table 11.11.1: Margins for Vestas Option for 0 Degree Sector - Day

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	-26.8	-26.8	-26.8	-22.5	-14.9	-12.7	-19.6	-22.5	-26.4	-29.5	-32.2	-34.9
H2	-27.2	-27.2	-27.2	-23.5	-18.8	-17.4	-21.0	-23.7	-26.9	-29.8	-32.5	-35.4
H3	-24.7	-24.7	-24.7	-21.0	-16.0	-13.4	-14.6	-12.6	-13.7	-12.6	-17.4	-20.9
H4	-23.6	-23.6	-23.6	-19.9	-14.9	-9.6	-7.8	-8.9	-15.0	-18.0	-20.4	-22.3
H5	-21.2	-21.2	-21.2	-17.5	-12.5	-7.7	-6.3	-7.1	-12.6	-15.6	-17.9	-19.8
H6	-18.1	-18.6	-19.4	-16.0	-10.3	-4.1	-2.4	0.8	-5.4	-11.7	-17.2	-17.2
H10	-15.1	-15.6	-16.4	-13.0	-7.4	-1.6	-0.2	4.0	-3.1	-8.8	-14.2	-14.2
H11	-16.9	-17.4	-18.2	-14.8	-9.5	-4.5	-3.5	-1.5	-6.1	-11.0	-16.1	-16.1
H12	-16.5	-17.0	-17.8	-14.4	-9.0	-4.0	-3.0	-0.7	-5.6	-10.5	-15.7	-15.7
H13	-16.1	-16.6	-17.4	-14.0	-8.5	-3.3	-2.2	0.6	-4.9	-10.0	-15.2	-15.2
H14	-16.7	-17.2	-18.0	-14.6	-9.4	-4.6	-3.7	-2.3	-6.3	-10.9	-16.0	-15.9
H16	-17.0	-17.5	-18.3	-14.9	-9.5	-4.2	-3.0	-0.1	-5.7	-10.9	-16.1	-16.1
H22	-11.9	-11.9	-12.2	-9.7	-4.7	-2.6	-4.2	-6.3	-9.0	-12.4	-16.2	-16.2
H24	-14.6	-14.6	-14.9	-11.5	-6.5	-4.8	-6.6	-8.9	-11.7	-15.1	-19.0	-19.0
H27	-8.8	-8.8	-8.8	-5.1	-0.1	3.0	3.4	4.3	4.4	-0.4	-4.2	-4.2
H33	-14.6	-14.6	-14.6	-10.9	-5.9	-2.8	-2.7	-3.7	-7.2	-11.4	-16.1	-16.1
H34	-15.2	-15.7	-16.5	-13.1	-7.7	-2.5	-1.5	0.7	-4.2	-9.2	-14.4	-14.4
H39	-15.1	-15.1	-15.1	-11.4	-6.4	-3.3	-3.2	-4.4	-7.8	-12.0	-16.6	-16.6
H45	-11.2	-11.2	-11.5	-9.0	-5.2	-3.4	-4.6	-6.5	-7.8	-11.3	-15.4	-15.4
H49	-10.6	-10.6	-10.6	-6.9	-1.9	1.2	1.5	1.1	1.0	-2.8	-6.3	-6.2
H52	-14.3	-14.3	-14.6	-12.0	-7.1	-5.3	-6.8	-9.0	-11.6	-14.9	-18.7	-18.7
H91	-14.0	-14.0	-14.2	-10.4	-5.5	-3.9	-5.8	-8.2	-11.1	-14.5	-18.4	-18.4
H94	-10.5	-10.5	-10.8	-8.3	-2.9	-0.7	-2.4	-4.7	-7.5	-11.0	-14.8	-14.8
H158	-23.8	-23.8	-23.8	-20.1	-15.1	-10.7	-9.4	-10.5	-15.6	-18.4	-20.7	-22.6
H162	-19.8	-20.3	-21.1	-17.7	-12.5	-7.6	-6.7	-4.7	-9.2	-14.0	-19.1	-19.1
H164	-18.9	-19.4	-20.2	-16.8	-11.2	-5.5	-4.1	0.2	-7.0	-12.6	-18.0	-18.0
H165	-18.6	-19.1	-19.9	-16.5	-10.9	-5.2	-3.8	0.5	-6.6	-12.3	-17.7	-17.7
H168	-13.3	-13.3	-13.6	-9.8	-4.2	-2.4	-4.6	-7.1	-10.0	-13.6	-17.6	-17.6
H173	-11.0	-11.0	-11.3	-8.8	-5.0	-3.2	-4.4	-6.3	-7.6	-11.1	-15.2	-15.2
H209	-8.7	-8.7	-8.7	-5.0	0.0	3.1	3.6	4.5	4.7	-0.2	-4.1	-4.0
H222	-14.8	-14.8	-14.8	-11.1	-6.1	-3.0	-2.9	-3.9	-7.4	-11.6	-16.3	-16.3
H224	-10.9	-10.9	-10.9	-7.2	-2.2	0.9	1.2	0.7	0.2	-3.3	-6.8	-6.7

Table 11.11.2: Margins for Vestas Option for 30 Degree Sector - Day

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	-23.4	-23.4	-23.4	-18.5	-11.3	-8.9	-15.1	-18.5	-22.6	-25.9	-28.7	-31.5
H2	-23.8	-23.8	-23.8	-20.1	-14.6	-12.5	-16.3	-19.4	-23.0	-26.1	-29.0	-32.0
H3	-21.1	-21.1	-21.1	-17.4	-12.4	-9.8	-11.0	-9.0	-9.0	-9.1	-11.9	-16.6
H4	-19.4	-19.4	-19.4	-15.7	-10.7	-4.5	0.2	-1.3	-9.7	-13.3	-15.9	-17.9
H5	-17.3	-17.3	-17.3	-13.6	-8.6	-3.5	0.2	-1.3	-8.0	-11.4	-13.8	-15.8
H6	-15.0	-15.5	-16.3	-12.6	-6.9	-0.7	4.1	3.6	-0.2	-8.1	-14.0	-13.9
H10	-13.1	-13.6	-14.4	-10.9	-5.2	0.6	3.8	6.0	0.2	-6.5	-12.1	-12.1
H11	-14.4	-14.9	-15.7	-12.3	-6.8	-1.8	0.1	2.4	-2.8	-8.3	-13.5	-13.5
H12	-14.1	-14.6	-15.4	-12.0	-6.5	-1.4	0.6	3.3	-2.3	-7.9	-13.2	-13.2
H13	-13.8	-14.3	-15.1	-11.7	-6.1	-0.9	1.4	5.0	-1.7	-7.5	-12.9	-12.9
H14	-14.3	-14.8	-15.6	-12.2	-6.8	-2.1	-0.5	1.0	-3.3	-8.3	-13.5	-13.5
H16	-14.5	-15.0	-15.8	-12.4	-7.0	-1.9	0.2	3.1	-2.7	-8.3	-13.6	-13.6
H22	-11.9	-11.9	-12.2	-9.7	-4.7	-2.7	-4.2	-6.3	-9.0	-12.4	-16.2	-16.2
H24	-14.6	-14.6	-14.9	-11.5	-6.5	-4.8	-6.6	-8.9	-11.7	-15.1	-19.0	-19.0
H27	-9.2	-9.2	-9.2	-5.5	-0.5	2.6	2.9	3.7	3.9	-0.8	-4.7	-4.6
H33	-17.1	-17.1	-17.1	-13.4	-8.4	-5.3	-5.2	-7.0	-10.1	-14.1	-18.7	-18.7
H34	-13.5	-14.0	-14.8	-11.4	-5.9	-0.8	1.1	3.3	-1.9	-7.3	-12.6	-12.6
H39	-17.1	-17.1	-17.1	-13.4	-8.4	-5.3	-5.2	-6.7	-10.0	-14.0	-18.6	-18.6
H45	-11.0	-11.0	-11.3	-8.8	-5.0	-3.2	-4.4	-6.3	-7.6	-11.2	-15.3	-15.2
H49	-11.1	-11.1	-11.1	-7.4	-2.4	0.7	1.0	0.5	0.5	-3.3	-6.9	-6.8
H52	-14.3	-14.3	-14.6	-12.1	-7.2	-5.4	-6.9	-9.0	-11.6	-14.9	-18.7	-18.7
H91	-14.0	-14.0	-14.2	-10.4	-5.5	-4.0	-5.8	-8.2	-11.1	-14.5	-18.4	-18.4
H94	-10.5	-10.5	-10.8	-8.3	-2.9	-0.8	-2.4	-4.7	-7.5	-11.0	-14.8	-14.8
H158	-19.6	-19.6	-19.6	-15.9	-10.9	-5.5	-1.5	-3.2	-10.3	-13.7	-16.1	-18.1
H162	-16.2	-16.7	-17.5	-14.1	-8.6	-3.7	-1.9	0.4	-4.7	-10.1	-15.3	-15.3
H164	-15.5	-16.0	-16.8	-13.2	-7.6	-1.9	1.5	3.5	-2.1	-8.9	-14.5	-14.5
H165	-15.3	-15.8	-16.6	-13.0	-7.3	-1.6	1.9	3.7	-1.8	-8.6	-14.3	-14.3
H168	-13.1	-13.1	-13.4	-9.7	-4.1	-2.3	-4.4	-6.9	-9.9	-13.4	-17.4	-17.4
H173	-10.9	-10.9	-11.2	-8.7	-4.9	-3.1	-4.3	-6.2	-7.4	-11.0	-15.1	-15.1
H209	-9.1	-9.1	-9.1	-5.4	-0.4	2.7	3.1	4.0	4.2	-0.6	-4.5	-4.4
H222	-16.5	-16.5	-16.5	-12.8	-7.8	-4.7	-4.6	-6.3	-9.5	-13.5	-18.1	-18.1
H224	-11.4	-11.4	-11.4	-7.7	-2.7	0.4	0.7	0.2	-0.2	-3.7	-7.2	-7.1

Table 11.11.3: Margins for Vestas Option for 60 Degree Sector - Day

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	-19.0	-19.0	-18.9	-13.7	-6.2	-3.6	-9.8	-13.7	-18.3	-21.8	-24.7	-27.5
H2	-19.8	-19.8	-19.8	-15.8	-9.7	-7.5	-11.4	-14.8	-18.7	-22.0	-25.0	-27.9
H3	-17.6	-17.6	-17.6	-13.9	-8.9	-6.3	-7.5	-5.5	-5.5	-5.6	-8.0	-12.9
H4	-17.0	-17.0	-17.0	-13.3	-8.3	-2.4	2.6	1.1	-7.1	-10.8	-13.5	-15.5
H5	-16.2	-16.2	-16.2	-12.5	-7.5	-2.7	1.7	0.1	-6.9	-10.3	-12.7	-14.7
H6	-14.3	-14.8	-15.6	-11.9	-6.3	-0.5	5.0	4.3	0.6	-7.4	-13.2	-13.2
H10	-12.9	-13.4	-14.2	-10.6	-5.0	0.5	4.3	6.2	0.6	-6.2	-11.9	-11.8
H11	-14.1	-14.6	-15.4	-12.0	-6.5	-1.7	0.5	3.0	-2.4	-7.9	-13.3	-13.2
H12	-13.9	-14.4	-15.2	-11.7	-6.2	-1.3	1.1	4.0	-2.0	-7.6	-13.0	-12.9
H13	-13.6	-14.1	-14.9	-11.4	-5.8	-0.8	1.9	5.5	-1.2	-7.2	-12.6	-12.6
H14	-14.0	-14.5	-15.3	-11.9	-6.5	-1.9	-0.1	1.4	-2.9	-8.0	-13.2	-13.2
H16	-14.2	-14.7	-15.5	-12.1	-6.7	-1.8	0.6	3.6	-2.3	-8.0	-13.3	-13.3
H22	-11.9	-11.9	-12.2	-9.7	-4.9	-2.9	-4.3	-6.4	-9.1	-12.4	-16.3	-16.3
H24	-14.6	-14.6	-14.9	-11.5	-6.6	-4.9	-6.6	-9.0	-11.7	-15.1	-19.0	-19.0
H27	-9.8	-9.8	-9.8	-6.1	-1.1	2.0	2.3	1.8	1.1	-2.3	-5.7	-5.7
H33	-20.0	-20.0	-20.0	-16.3	-11.3	-8.2	-8.1	-10.2	-13.2	-17.0	-21.6	-21.6
H34	-13.2	-13.7	-14.5	-11.1	-5.6	-0.7	1.6	3.9	-1.5	-7.0	-12.3	-12.3
H39	-20.6	-20.6	-20.6	-16.9	-11.9	-8.8	-8.7	-10.9	-13.9	-17.7	-22.2	-22.2
H45	-11.0	-11.0	-11.3	-8.8	-5.0	-3.2	-4.4	-6.3	-7.7	-11.2	-15.3	-15.3
H49	-12.5	-12.5	-12.5	-8.8	-3.8	-0.7	-0.4	-0.9	-2.2	-5.3	-8.5	-8.5
H52	-14.6	-14.6	-14.9	-12.4	-7.6	-5.8	-7.2	-9.3	-11.9	-15.2	-19.0	-19.0
H91	-14.0	-14.0	-14.2	-10.5	-5.6	-4.1	-5.8	-8.3	-11.1	-14.5	-18.4	-18.4
H94	-10.5	-10.5	-10.8	-8.3	-3.1	-1.0	-2.5	-4.8	-7.5	-11.0	-14.8	-14.8
H158	-17.1	-17.1	-17.1	-13.4	-8.4	-3.3	1.6	-0.2	-7.7	-11.2	-13.7	-15.6
H162	-15.4	-15.9	-16.7	-13.3	-7.8	-3.1	-0.9	1.5	-3.8	-9.2	-14.5	-14.5
H164	-14.7	-15.2	-16.0	-12.4	-6.8	-1.5	2.4	4.2	-1.2	-8.1	-13.7	-13.7
H165	-14.5	-15.0	-15.8	-12.2	-6.6	-1.2	2.8	4.4	-0.9	-7.9	-13.5	-13.5
H168	-13.1	-13.1	-13.4	-9.6	-4.1	-2.3	-4.4	-6.9	-9.9	-13.4	-17.4	-17.4
H173	-10.9	-10.9	-11.2	-8.7	-4.9	-3.1	-4.3	-6.2	-7.5	-11.0	-15.1	-15.1
H209	-9.7	-9.7	-9.7	-6.0	-1.0	2.1	2.4	1.9	1.3	-2.1	-5.5	-5.5
H222	-19.8	-19.8	-19.8	-16.1	-11.1	-8.0	-7.9	-10.1	-13.1	-16.8	-21.4	-21.4
H224	-12.6	-12.6	-12.6	-8.9	-3.9	-0.8	-0.5	-1.0	-2.3	-5.4	-8.6	-8.6

Table 11.11.4: Margins for Vestas Option for 90 Degree Sector - Day

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	-17.2	-17.2	-17.2	-11.7	-3.3	-1.6	-8.1	-12.2	-16.9	-20.5	-23.3	-26.1
H2	-18.5	-18.5	-18.5	-14.0	-7.4	-5.4	-9.8	-13.3	-17.4	-20.8	-23.7	-26.7
H3	-17.1	-17.1	-17.1	-13.4	-8.4	-5.8	-7.0	-5.0	-5.0	-5.1	-7.4	-12.4
H4	-17.0	-17.0	-17.0	-13.3	-8.3	-2.3	2.6	1.1	-7.1	-10.8	-13.5	-15.5
H5	-16.2	-16.2	-16.2	-12.5	-7.5	-2.6	1.9	0.2	-6.8	-10.2	-12.7	-14.7
H6	-14.3	-14.8	-15.6	-11.8	-6.2	-0.3	5.3	4.3	0.8	-7.4	-13.2	-13.2
H10	-12.9	-13.4	-14.2	-10.6	-4.9	0.6	4.4	6.2	0.7	-6.2	-11.8	-11.8
H11	-14.1	-14.6	-15.4	-12.0	-6.5	-1.6	0.7	3.3	-2.4	-7.9	-13.3	-13.2
H12	-13.9	-14.4	-15.2	-11.7	-6.1	-1.2	1.3	4.3	-1.8	-7.6	-13.0	-12.9
H13	-13.6	-14.1	-14.9	-11.3	-5.8	-0.6	2.2	5.5	-1.1	-7.2	-12.6	-12.6
H14	-14.0	-14.5	-15.3	-11.9	-6.5	-1.9	0.0	1.6	-2.8	-8.0	-13.2	-13.2
H16	-14.2	-14.7	-15.5	-12.1	-6.6	-1.8	0.7	3.9	-2.2	-7.9	-13.3	-13.3
H22	-11.9	-11.9	-12.2	-9.7	-5.1	-3.1	-4.5	-6.5	-9.2	-12.5	-16.3	-16.3
H24	-15.3	-15.3	-15.6	-12.4	-7.6	-6.0	-7.6	-9.9	-12.6	-15.9	-19.7	-19.7
H27	-11.1	-11.1	-11.1	-7.4	-2.4	0.7	1.0	0.5	-1.3	-4.1	-7.2	-7.2
H33	-21.3	-21.3	-21.3	-17.6	-12.6	-9.5	-9.4	-11.7	-14.6	-18.4	-22.9	-22.9
H34	-13.2	-13.7	-14.5	-11.1	-5.5	-0.6	1.7	4.2	-1.4	-7.0	-12.3	-12.3
H39	-22.8	-22.8	-22.8	-19.1	-14.1	-11.0	-10.9	-13.1	-16.1	-19.8	-24.4	-24.4
H45	-11.0	-11.0	-11.3	-8.8	-5.0	-3.2	-4.4	-6.3	-7.8	-11.2	-15.3	-15.3
H49	-14.9	-14.9	-14.9	-11.2	-6.2	-3.1	-2.8	-3.3	-5.2	-8.0	-11.1	-11.1
H52	-15.7	-15.7	-16.0	-13.5	-9.0	-7.3	-8.6	-10.7	-13.2	-16.4	-20.1	-20.1
H91	-15.4	-15.4	-15.7	-12.1	-7.4	-6.0	-7.6	-9.9	-12.6	-16.0	-19.8	-19.8
H94	-10.7	-10.7	-11.0	-8.5	-3.5	-1.4	-2.9	-5.1	-7.8	-11.2	-15.1	-15.1
H158	-17.1	-17.1	-17.1	-13.4	-8.4	-3.2	1.9	0.0	-7.7	-11.1	-13.7	-15.6
H162	-15.4	-15.9	-16.7	-13.2	-7.8	-3.1	-0.8	1.7	-3.8	-9.2	-14.5	-14.5
H164	-14.7	-15.2	-16.0	-12.4	-6.8	-1.4	2.6	4.2	-1.1	-8.1	-13.7	-13.7
H165	-14.5	-15.0	-15.8	-12.2	-6.6	-1.1	3.0	4.4	-0.8	-7.8	-13.5	-13.5
H168	-13.1	-13.1	-13.4	-9.6	-4.1	-2.3	-4.4	-6.9	-9.9	-13.4	-17.4	-17.4
H173	-10.9	-10.9	-11.2	-8.7	-4.9	-3.1	-4.3	-6.2	-7.6	-11.1	-15.1	-15.1
H209	-10.8	-10.8	-10.8	-7.1	-2.1	1.0	1.3	0.8	-1.0	-3.8	-7.0	-7.0
H222	-21.8	-21.8	-21.8	-18.1	-13.1	-10.0	-9.9	-12.1	-15.1	-18.9	-23.4	-23.4
H224	-15.1	-15.1	-15.1	-11.4	-6.4	-3.3	-3.0	-3.5	-5.5	-8.3	-11.4	-11.3

Table 11.11.5: Margins for Vestas Option for 120 Degree Sector - Day

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	-16.6	-16.6	-16.6	-10.7	-1.9	-1.6	-7.6	-11.9	-16.9	-20.4	-23.3	-26.1
H2	-18.5	-18.5	-18.5	-14.0	-7.4	-5.4	-9.8	-13.3	-17.4	-20.8	-23.7	-26.7
H3	-17.1	-17.1	-17.1	-13.4	-8.4	-5.8	-7.0	-5.0	-5.0	-5.1	-7.4	-12.4
H4	-17.0	-17.0	-17.0	-13.3	-8.3	-2.3	2.6	1.1	-7.1	-10.8	-13.5	-15.5
H5	-16.2	-16.2	-16.2	-12.5	-7.5	-2.6	1.9	0.2	-6.8	-10.2	-12.7	-14.7
H6	-14.3	-14.8	-15.6	-12.1	-6.6	-1.1	3.1	4.6	-0.3	-7.6	-13.3	-13.2
H10	-12.9	-13.4	-14.2	-10.7	-5.1	0.2	3.3	6.2	-0.1	-6.4	-11.9	-11.8
H11	-14.1	-14.6	-15.4	-12.0	-6.7	-1.9	0.2	2.3	-2.6	-8.0	-13.3	-13.2
H12	-13.9	-14.4	-15.2	-11.8	-6.3	-1.5	0.8	3.2	-2.1	-7.7	-13.0	-12.9
H13	-13.6	-14.1	-14.9	-11.5	-5.9	-1.0	1.6	4.8	-1.5	-7.2	-12.6	-12.6
H14	-14.0	-14.5	-15.3	-11.9	-6.6	-2.1	-0.3	1.0	-3.0	-8.0	-13.2	-13.2
H16	-14.2	-14.7	-15.5	-12.1	-6.8	-2.0	0.3	3.0	-2.5	-8.0	-13.3	-13.3
H22	-12.5	-12.5	-12.8	-10.3	-6.0	-4.1	-5.4	-7.4	-9.9	-13.2	-16.9	-16.9
H24	-18.8	-18.8	-19.1	-16.2	-11.5	-9.9	-11.5	-13.6	-16.2	-19.5	-23.3	-23.3
H27	-12.2	-12.2	-12.2	-8.5	-3.5	-0.4	-0.1	-0.6	-2.6	-5.3	-8.4	-8.4
H33	-21.4	-21.4	-21.4	-17.7	-12.7	-9.6	-9.5	-11.8	-14.7	-18.5	-23.0	-23.0
H34	-13.2	-13.7	-14.5	-11.1	-5.7	-0.9	1.0	2.7	-1.9	-7.1	-12.4	-12.3
H39	-23.2	-23.2	-23.2	-19.5	-14.5	-11.4	-11.3	-13.6	-16.6	-20.3	-24.8	-24.8
H45	-11.4	-11.4	-11.7	-9.2	-5.4	-3.6	-4.8	-6.7	-8.4	-11.8	-15.7	-15.7
H49	-16.2	-16.2	-16.2	-12.5	-7.5	-4.4	-4.1	-4.6	-6.7	-9.4	-12.4	-12.4
H52	-19.4	-19.4	-19.7	-17.2	-12.8	-11.1	-12.4	-14.4	-16.9	-20.1	-23.8	-23.8
H91	-19.1	-19.1	-19.4	-16.1	-11.4	-10.0	-11.6	-13.9	-16.5	-19.8	-23.6	-23.6
H94	-11.2	-11.2	-11.5	-9.0	-4.7	-2.9	-4.2	-6.2	-8.7	-11.9	-15.7	-15.7
H158	-17.1	-17.1	-17.1	-13.4	-8.4	-3.2	1.9	0.0	-7.7	-11.1	-13.7	-15.6
H162	-15.4	-15.9	-16.7	-13.3	-7.9	-3.3	-1.2	0.9	-4.0	-9.2	-14.5	-14.5
H164	-14.7	-15.2	-16.0	-12.6	-7.1	-2.0	1.1	4.4	-1.9	-8.3	-13.8	-13.7
H165	-14.5	-15.0	-15.8	-12.4	-6.9	-1.7	1.5	4.6	-1.6	-8.0	-13.6	-13.5
H168	-13.2	-13.2	-13.5	-10.3	-4.9	-3.1	-5.0	-7.4	-10.2	-13.6	-17.6	-17.6
H173	-11.2	-11.2	-11.5	-9.0	-5.2	-3.4	-4.6	-6.5	-8.2	-11.6	-15.5	-15.5
H209	-11.9	-11.9	-11.9	-8.2	-3.2	-0.1	0.2	-0.3	-2.3	-5.0	-8.1	-8.1
H222	-22.2	-22.2	-22.2	-18.5	-13.5	-10.4	-10.3	-12.6	-15.6	-19.3	-23.8	-23.8
H224	-17.0	-17.0	-17.0	-13.3	-8.3	-5.2	-4.9	-5.4	-7.5	-10.2	-13.3	-13.3

Table 11.11.6: Margins for Vestas Option for 150 Degree Sector - Day

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	-16.6	-16.6	-16.6	-10.7	-1.9	-1.6	-7.6	-11.9	-16.9	-20.4	-23.3	-26.1
H2	-18.5	-18.5	-18.5	-14.0	-7.4	-5.4	-9.8	-13.3	-17.4	-20.8	-23.7	-26.7
H3	-17.1	-17.1	-17.1	-13.4	-8.4	-5.8	-7.0	-5.0	-5.0	-5.1	-7.5	-12.4
H4	-17.0	-17.0	-17.0	-13.3	-8.3	-3.4	1.3	-0.5	-7.7	-11.1	-13.6	-15.6
H5	-16.2	-16.2	-16.2	-12.5	-7.5	-3.8	-1.2	-2.6	-7.5	-10.6	-12.9	-14.8
H6	-14.3	-14.8	-15.6	-12.2	-6.9	-2.1	0.0	2.1	-2.8	-8.2	-13.4	-13.4
H10	-12.9	-13.4	-14.2	-10.8	-5.4	-1.1	0.2	0.5	-2.6	-7.1	-12.1	-12.1
H11	-14.1	-14.6	-15.4	-12.0	-6.9	-2.9	-1.9	-1.9	-4.5	-8.6	-13.5	-13.4
H12	-13.9	-14.4	-15.2	-11.8	-6.6	-2.5	-1.5	-1.4	-4.1	-8.3	-13.2	-13.1
H13	-13.6	-14.1	-14.9	-11.5	-6.2	-2.1	-1.0	-0.8	-3.7	-8.0	-12.8	-12.8
H14	-14.0	-14.5	-15.3	-11.9	-6.9	-2.9	-2.0	-2.0	-4.6	-8.6	-13.4	-13.4
H16	-14.2	-14.7	-15.5	-12.1	-7.1	-3.1	-2.1	-2.0	-4.6	-8.7	-13.6	-13.5
H22	-14.1	-14.1	-14.4	-11.9	-7.9	-6.0	-7.3	-9.2	-11.7	-14.8	-18.6	-18.5
H24	-22.2	-22.2	-22.5	-19.6	-14.9	-13.4	-14.9	-17.0	-19.6	-22.9	-26.6	-26.6
H27	-12.4	-12.4	-12.4	-8.7	-3.7	-0.6	-0.3	-0.8	-2.8	-5.6	-8.6	-8.6
H33	-20.2	-20.2	-20.2	-16.5	-11.5	-8.4	-8.3	-10.6	-13.5	-17.3	-21.8	-21.8
H34	-13.2	-13.7	-14.5	-11.1	-5.9	-1.8	-0.8	-0.8	-3.5	-7.7	-12.5	-12.5
H39	-22.2	-22.2	-22.2	-18.5	-13.5	-10.4	-10.3	-12.5	-15.5	-19.2	-23.7	-23.7
H45	-12.2	-12.2	-12.5	-10.0	-6.2	-4.4	-5.6	-7.5	-9.5	-12.7	-16.6	-16.6
H49	-16.3	-16.3	-16.3	-12.6	-7.6	-4.5	-4.2	-4.7	-6.8	-9.5	-12.6	-12.6
H52	-21.7	-21.7	-22.0	-19.5	-15.1	-13.4	-14.8	-16.8	-19.3	-22.4	-26.2	-26.2
H91	-21.9	-21.9	-22.2	-18.8	-14.2	-12.8	-14.4	-16.6	-19.3	-22.5	-26.3	-26.3
H94	-12.9	-12.9	-13.2	-10.7	-6.7	-4.9	-6.1	-8.1	-10.5	-13.7	-17.4	-17.4
H158	-17.1	-17.1	-17.1	-13.4	-8.4	-4.1	-0.9	-2.5	-8.2	-11.4	-13.8	-15.7
H162	-15.4	-15.9	-16.7	-13.3	-8.2	-4.0	-2.7	-2.2	-5.3	-9.7	-14.6	-14.6
H164	-14.7	-15.2	-16.0	-12.6	-7.4	-2.9	-1.2	0.1	-3.8	-8.8	-13.9	-13.9
H165	-14.5	-15.0	-15.8	-12.4	-7.2	-2.6	-0.8	0.6	-3.5	-8.6	-13.7	-13.7
H168	-14.4	-14.4	-14.7	-11.9	-6.8	-5.1	-6.7	-8.9	-11.6	-15.0	-18.8	-18.8
H173	-12.0	-12.0	-12.3	-9.8	-6.0	-4.2	-5.4	-7.3	-9.2	-12.4	-16.3	-16.3
H209	-12.1	-12.1	-12.1	-8.4	-3.4	-0.3	0.0	-0.5	-2.5	-5.2	-8.3	-8.3
H222	-21.3	-21.3	-21.3	-17.6	-12.6	-9.5	-9.4	-11.6	-14.6	-18.3	-22.9	-22.9
H224	-17.3	-17.3	-17.3	-13.6	-8.6	-5.5	-5.2	-5.7	-7.9	-10.5	-13.6	-13.6

Table 11.11.7: Margins for Vestas Option for 180 Degree Sector - Day

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	-17.5	-17.5	-17.5	-12.2	-3.8	-1.6	-4.0	-11.8	-17.0	-20.5	-23.4	-26.1
H2	-18.6	-18.6	-18.6	-14.5	-8.1	-5.9	-8.7	-13.3	-17.5	-20.8	-23.7	-26.7
H3	-17.1	-17.1	-17.1	-13.4	-8.4	-5.8	-7.0	-5.0	-5.0	-5.0	-8.8	-12.9
H4	-17.0	-17.0	-17.0	-13.3	-8.3	-5.3	-3.0	-5.3	-9.3	-11.9	-14.0	-15.9
H5	-16.2	-16.2	-16.2	-12.5	-7.5	-4.9	-3.9	-5.9	-9.0	-11.4	-13.4	-15.1
H6	-14.3	-14.8	-15.6	-12.2	-7.2	-3.5	-2.4	-2.6	-5.2	-9.0	-13.7	-13.7
H10	-13.2	-13.7	-14.5	-11.1	-6.1	-2.6	-1.8	-2.2	-4.4	-8.1	-12.7	-12.6
H11	-14.6	-15.1	-15.9	-12.5	-7.5	-4.3	-3.6	-4.0	-6.1	-9.6	-14.1	-14.1
H12	-14.3	-14.8	-15.6	-12.2	-7.2	-3.9	-3.2	-3.6	-5.8	-9.3	-13.8	-13.8
H13	-14.0	-14.5	-15.3	-11.9	-6.9	-3.5	-2.8	-3.2	-5.4	-8.9	-13.5	-13.4
H14	-14.6	-15.1	-15.9	-12.5	-7.5	-4.3	-3.7	-4.2	-6.2	-9.6	-14.1	-14.1
H16	-14.8	-15.3	-16.1	-12.7	-7.7	-4.6	-4.0	-4.4	-6.5	-9.8	-14.3	-14.3
H22	-16.6	-16.6	-16.9	-14.4	-10.5	-8.6	-9.9	-11.8	-14.2	-17.4	-21.1	-21.1
H24	-23.5	-23.5	-23.8	-20.9	-16.3	-14.8	-16.2	-18.4	-21.0	-24.2	-28.0	-28.0
H27	-12.0	-12.0	-12.0	-8.3	-3.3	-0.2	0.1	-0.4	-2.3	-5.1	-8.1	-8.1
H33	-17.3	-17.3	-17.3	-13.6	-8.6	-5.5	-5.4	-7.4	-10.5	-14.3	-18.8	-18.8
H34	-14.0	-14.5	-15.3	-11.9	-6.9	-3.7	-3.1	-3.5	-5.6	-9.0	-13.5	-13.5
H39	-19.1	-19.1	-19.1	-15.4	-10.4	-7.3	-7.2	-9.3	-12.3	-16.1	-20.6	-20.6
H45	-14.1	-14.1	-14.4	-11.9	-8.1	-6.3	-7.5	-9.4	-11.4	-14.6	-18.5	-18.5
H49	-15.4	-15.4	-15.4	-11.7	-6.7	-3.6	-3.3	-3.8	-5.8	-8.5	-11.6	-11.6
H52	-22.3	-22.3	-22.6	-20.1	-15.7	-14.0	-15.4	-17.4	-19.9	-23.1	-26.8	-26.8
H91	-22.7	-22.7	-23.0	-19.7	-15.1	-13.7	-15.3	-17.5	-20.1	-23.4	-27.2	-27.2
H94	-14.4	-14.4	-14.7	-12.2	-8.1	-6.3	-7.6	-9.5	-12.0	-15.1	-18.8	-18.8
H158	-17.1	-17.1	-17.1	-13.4	-8.4	-5.7	-3.9	-6.0	-9.6	-12.1	-14.2	-16.0
H162	-15.5	-16.0	-16.8	-13.4	-8.4	-5.0	-4.3	-4.6	-6.8	-10.4	-14.9	-14.9
H164	-14.8	-15.3	-16.1	-12.7	-7.7	-4.1	-3.1	-3.4	-5.8	-9.5	-14.2	-14.2
H165	-14.6	-15.1	-15.9	-12.5	-7.5	-3.8	-2.9	-3.2	-5.6	-9.3	-14.0	-14.0
H168	-17.4	-17.4	-17.7	-15.0	-10.0	-8.3	-9.9	-12.0	-14.7	-18.0	-21.8	-21.8
H173	-13.7	-13.7	-14.0	-11.5	-7.7	-5.9	-7.1	-9.0	-11.1	-14.2	-18.1	-18.1
H209	-11.7	-11.7	-11.7	-8.0	-3.0	0.1	0.4	-0.1	-2.0	-4.8	-7.9	-7.9
H222	-18.4	-18.4	-18.4	-14.7	-9.7	-6.6	-6.5	-8.6	-11.7	-15.5	-20.0	-20.0
H224	-16.4	-16.4	-16.4	-12.7	-7.7	-4.6	-4.3	-4.8	-6.9	-9.6	-12.6	-12.6

Table 11.11.8: Margins for Vestas Option for 210 Degree Sector - Day

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	-18.3	-18.3	-18.3	-13.4	-5.1	-2.1	-4.3	-13.0	-17.6	-20.9	-23.7	-26.4
H2	-18.9	-18.9	-18.9	-15.2	-9.2	-7.8	-10.3	-14.6	-18.2	-21.2	-24.1	-27.0
H3	-17.4	-17.4	-17.4	-13.7	-8.7	-6.1	-7.3	-7.1	-8.2	-7.0	-10.9	-14.0
H4	-18.3	-18.3	-18.3	-14.6	-9.6	-7.0	-6.7	-8.6	-11.5	-13.7	-15.6	-17.3
H5	-18.6	-18.6	-18.6	-14.9	-9.9	-7.3	-7.8	-9.6	-12.1	-14.2	-16.0	-17.7
H6	-16.6	-17.1	-17.9	-14.5	-9.5	-6.5	-5.9	-6.4	-8.4	-11.7	-16.1	-16.1
H10	-15.5	-16.0	-16.8	-13.4	-8.4	-5.4	-5.0	-5.5	-7.5	-10.7	-15.1	-15.1
H11	-17.6	-18.1	-18.9	-15.5	-10.5	-7.5	-7.3	-7.8	-9.7	-12.9	-17.2	-17.2
H12	-17.2	-17.7	-18.5	-15.1	-10.1	-7.1	-6.8	-7.3	-9.2	-12.4	-16.8	-16.8
H13	-16.7	-17.2	-18.0	-14.6	-9.6	-6.6	-6.3	-6.8	-8.7	-11.9	-16.3	-16.3
H14	-17.5	-18.0	-18.8	-15.4	-10.4	-7.4	-7.3	-7.8	-9.7	-12.8	-17.1	-17.1
H16	-17.8	-18.3	-19.1	-15.7	-10.7	-7.7	-7.6	-8.1	-10.0	-13.1	-17.5	-17.4
H22	-17.7	-17.7	-18.0	-15.5	-11.6	-9.8	-11.0	-12.9	-15.4	-18.5	-22.2	-22.2
H24	-23.3	-23.3	-23.6	-20.7	-16.0	-14.5	-16.0	-18.1	-20.7	-24.0	-27.7	-27.7
H27	-10.8	-10.8	-10.8	-7.1	-2.1	1.0	1.3	0.8	-0.7	-3.7	-6.9	-6.8
H33	-14.6	-14.6	-14.6	-10.9	-5.9	-2.8	-2.7	-4.0	-7.4	-11.4	-16.1	-16.1
H34	-16.4	-16.9	-17.7	-14.3	-9.3	-6.3	-6.2	-6.7	-8.6	-11.7	-16.0	-16.0
H39	-15.9	-15.9	-15.9	-12.2	-7.2	-4.1	-4.0	-5.7	-8.9	-12.8	-17.4	-17.4
H45	-15.2	-15.2	-15.5	-13.0	-9.2	-7.4	-8.6	-10.5	-12.6	-15.7	-19.6	-19.6
H49	-13.3	-13.3	-13.3	-9.6	-4.6	-1.5	-1.2	-1.7	-3.4	-6.3	-9.4	-9.4
H52	-21.6	-21.6	-21.9	-19.4	-14.9	-13.2	-14.6	-16.6	-19.1	-22.3	-26.1	-26.1
H91	-22.2	-22.2	-22.5	-19.1	-14.5	-13.1	-14.7	-16.9	-19.5	-22.8	-26.6	-26.6
H94	-14.8	-14.8	-15.1	-12.6	-8.6	-6.8	-8.0	-10.0	-12.4	-15.6	-19.3	-19.3
H158	-18.4	-18.4	-18.4	-14.7	-9.7	-7.1	-7.2	-9.1	-11.8	-13.9	-15.8	-17.5
H162	-18.1	-18.6	-19.4	-16.0	-11.0	-8.0	-7.8	-8.3	-10.2	-13.3	-17.7	-17.7
H164	-17.2	-17.7	-18.5	-15.1	-10.1	-7.1	-6.7	-7.2	-9.2	-12.4	-16.8	-16.8
H165	-16.9	-17.4	-18.2	-14.8	-9.8	-6.8	-6.4	-6.9	-8.9	-12.1	-16.5	-16.5
H168	-19.5	-19.5	-19.8	-17.1	-12.1	-10.4	-12.0	-14.1	-16.8	-20.0	-23.9	-23.9
H173	-14.8	-14.8	-15.1	-12.6	-8.8	-7.0	-8.2	-10.1	-12.1	-15.3	-19.2	-19.2
H209	-10.6	-10.6	-10.6	-6.9	-1.9	1.2	1.5	1.0	-0.5	-3.4	-6.6	-6.6
H222	-15.6	-15.6	-15.6	-11.9	-6.9	-3.8	-3.7	-5.1	-8.4	-12.5	-17.1	-17.1
H224	-14.3	-14.3	-14.3	-10.6	-5.6	-2.5	-2.2	-2.7	-4.5	-7.3	-10.5	-10.4

Table 11.11.9: Margins for Vestas Option for 240 Degree Sector - Day

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	-20.8	-20.8	-20.8	-16.7	-8.5	-5.9	-11.1	-16.6	-20.5	-23.6	-26.3	-28.9
H2	-21.5	-21.5	-21.5	-17.8	-12.7	-11.6	-14.6	-18.0	-21.2	-24.0	-26.8	-29.7
H3	-20.8	-20.8	-20.8	-17.1	-12.1	-9.5	-10.7	-11.8	-12.7	-11.8	-15.0	-17.8
H4	-22.7	-22.7	-22.7	-19.0	-14.0	-11.4	-11.8	-13.5	-16.2	-18.3	-20.1	-21.8
H5	-22.5	-22.5	-22.5	-18.8	-13.8	-11.2	-12.1	-13.8	-16.2	-18.3	-20.0	-21.7
H6	-19.6	-20.1	-20.9	-17.5	-12.5	-9.5	-9.2	-9.7	-11.6	-14.8	-19.2	-19.2
H10	-17.4	-17.9	-18.7	-15.3	-10.3	-7.3	-7.1	-7.6	-9.5	-12.6	-17.0	-17.0
H11	-20.2	-20.7	-21.5	-18.1	-13.1	-10.1	-10.1	-10.6	-12.5	-15.5	-19.8	-19.8
H12	-19.6	-20.1	-20.9	-17.5	-12.5	-9.5	-9.5	-10.0	-11.8	-14.9	-19.2	-19.2
H13	-19.0	-19.5	-20.3	-16.9	-11.9	-8.9	-8.8	-9.3	-11.2	-14.2	-18.6	-18.6
H14	-20.1	-20.6	-21.4	-18.0	-13.0	-10.0	-10.0	-10.5	-12.4	-15.4	-19.7	-19.7
H16	-20.5	-21.0	-21.8	-18.4	-13.4	-10.4	-10.4	-10.9	-12.8	-15.9	-20.2	-20.2
H22	-17.7	-17.7	-18.0	-15.5	-11.4	-9.6	-10.8	-12.8	-15.3	-18.5	-22.2	-22.2
H24	-21.3	-21.3	-21.6	-18.6	-13.9	-12.3	-13.8	-16.1	-18.7	-21.9	-25.7	-25.7
H27	-9.9	-9.9	-9.9	-6.2	-1.2	1.9	2.2	2.1	2.1	-1.9	-5.5	-5.5
H33	-14.1	-14.1	-14.1	-10.4	-5.4	-2.3	-2.2	-3.1	-6.7	-10.9	-15.6	-15.6
H34	-18.5	-19.0	-19.8	-16.4	-11.4	-8.4	-8.4	-8.9	-10.8	-13.8	-18.1	-18.1
H39	-14.8	-14.8	-14.8	-11.1	-6.1	-3.0	-2.9	-4.0	-7.5	-11.6	-16.2	-16.2
H45	-15.4	-15.4	-15.7	-13.2	-9.4	-7.6	-8.8	-10.7	-12.6	-15.8	-19.8	-19.8
H49	-11.5	-11.5	-11.5	-7.8	-2.8	0.3	0.6	0.1	-0.5	-4.0	-7.4	-7.3
H52	-19.1	-19.1	-19.4	-16.9	-12.3	-10.6	-12.0	-14.1	-16.6	-19.8	-23.5	-23.5
H91	-19.9	-19.9	-20.2	-16.7	-12.1	-10.6	-12.2	-14.5	-17.2	-20.5	-24.3	-24.3
H94	-14.6	-14.6	-14.9	-12.4	-8.1	-6.3	-7.6	-9.6	-12.1	-15.3	-19.0	-19.0
H158	-22.8	-22.8	-22.8	-19.1	-14.1	-11.5	-12.3	-14.0	-16.5	-18.5	-20.4	-22.0
H162	-21.8	-22.3	-23.1	-19.7	-14.7	-11.7	-11.7	-12.2	-14.0	-17.1	-21.4	-21.4
H164	-20.5	-21.0	-21.8	-18.4	-13.4	-10.4	-10.2	-10.7	-12.6	-15.8	-20.1	-20.1
H165	-20.1	-20.6	-21.4	-18.0	-13.0	-10.0	-9.8	-10.3	-12.2	-15.4	-19.7	-19.7
H168	-20.0	-20.0	-20.3	-17.6	-12.5	-10.8	-12.4	-14.6	-17.2	-20.6	-24.4	-24.4
H173	-15.0	-15.0	-15.3	-12.8	-9.0	-7.2	-8.4	-10.3	-12.2	-15.4	-19.3	-19.3
H209	-9.7	-9.7	-9.7	-6.0	-1.0	2.1	2.4	2.4	2.3	-1.7	-5.3	-5.3
H222	-14.4	-14.4	-14.4	-10.7	-5.7	-2.6	-2.5	-3.5	-7.0	-11.2	-15.9	-15.9
H224	-12.3	-12.3	-12.3	-8.6	-3.6	-0.5	-0.2	-0.7	-1.7	-5.0	-8.3	-8.2

Table 11.11.10: Margins for Vestas Option for 270 Degree Sector - Day

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	-25.3	-25.3	-25.3	-21.5	-13.3	-11.6	-16.6	-21.4	-25.1	-28.1	-30.8	-33.4
H2	-25.9	-25.9	-25.9	-22.2	-17.9	-16.9	-19.7	-22.7	-25.7	-28.5	-31.3	-34.1
H3	-24.6	-24.6	-24.6	-20.9	-15.9	-13.3	-14.5	-15.9	-16.8	-15.9	-18.9	-21.7
H4	-25.5	-25.5	-25.5	-21.8	-16.8	-14.2	-14.7	-16.5	-19.1	-21.2	-23.0	-24.7
H5	-24.6	-24.6	-24.6	-20.9	-15.9	-13.3	-14.3	-15.9	-18.4	-20.4	-22.2	-23.8
H6	-20.9	-21.4	-22.2	-18.8	-13.8	-10.8	-10.4	-10.9	-12.9	-16.1	-20.5	-20.5
H10	-18.0	-18.5	-19.3	-15.9	-10.9	-7.9	-7.6	-8.1	-10.1	-13.3	-17.6	-17.6
H11	-21.2	-21.7	-22.5	-19.1	-14.1	-11.1	-11.0	-11.5	-13.4	-16.5	-20.8	-20.8
H12	-20.5	-21.0	-21.8	-18.4	-13.4	-10.4	-10.3	-10.8	-12.7	-15.8	-20.1	-20.1
H13	-19.8	-20.3	-21.1	-17.7	-12.7	-9.7	-9.5	-10.0	-11.9	-15.0	-19.4	-19.4
H14	-21.1	-21.6	-22.4	-19.0	-14.0	-11.0	-10.9	-11.4	-13.3	-16.4	-20.7	-20.7
H16	-21.6	-22.1	-22.9	-19.5	-14.5	-11.5	-11.3	-11.9	-13.7	-16.8	-21.2	-21.2
H22	-16.6	-16.6	-16.9	-14.4	-10.0	-8.1	-9.5	-11.5	-14.1	-17.3	-21.1	-21.1
H24	-17.6	-17.6	-17.9	-14.7	-9.8	-8.2	-9.8	-12.1	-14.8	-18.2	-22.0	-22.0
H27	-9.0	-9.0	-9.0	-5.3	-0.3	2.8	3.6	4.1	4.2	-0.6	-4.5	-4.4
H33	-14.1	-14.1	-14.1	-10.4	-5.4	-2.3	-2.2	-3.1	-6.7	-10.9	-15.6	-15.6
H34	-19.2	-19.7	-20.5	-17.1	-12.1	-9.1	-9.0	-9.5	-11.4	-14.5	-18.8	-18.8
H39	-14.8	-14.8	-14.8	-11.1	-6.1	-3.0	-2.9	-4.0	-7.5	-11.6	-16.2	-16.2
H45	-14.8	-14.8	-15.1	-12.6	-8.8	-7.0	-8.2	-10.1	-12.0	-15.2	-19.2	-19.2
H49	-10.6	-10.6	-10.6	-6.9	-1.9	1.2	1.5	1.0	1.0	-2.8	-6.4	-6.3
H52	-16.2	-16.2	-16.5	-14.0	-9.1	-7.3	-8.7	-10.9	-13.5	-16.8	-20.6	-20.6
H91	-16.0	-16.0	-16.3	-12.6	-7.7	-6.1	-7.9	-10.3	-13.1	-16.5	-20.4	-20.4
H94	-13.4	-13.4	-13.7	-11.2	-6.7	-4.8	-6.1	-8.2	-10.8	-14.1	-17.9	-17.9
H158	-25.8	-25.8	-25.8	-22.1	-17.1	-14.5	-15.3	-17.0	-19.5	-21.5	-23.3	-25.0
H162	-23.5	-24.0	-24.8	-21.4	-16.4	-13.4	-13.4	-13.9	-15.8	-18.8	-23.1	-23.1
H164	-22.0	-22.5	-23.3	-19.9	-14.9	-11.9	-11.6	-12.1	-14.1	-17.2	-21.6	-21.6
H165	-21.5	-22.0	-22.8	-19.4	-14.4	-11.4	-11.2	-11.7	-13.6	-16.8	-21.1	-21.1
H168	-19.4	-19.4	-19.7	-16.7	-11.5	-9.9	-11.6	-13.8	-16.5	-19.9	-23.8	-23.8
H173	-14.4	-14.4	-14.7	-12.2	-8.4	-6.6	-7.8	-9.7	-11.5	-14.8	-18.8	-18.8
H209	-8.9	-8.9	-8.9	-5.2	-0.2	2.9	3.8	4.3	4.5	-0.4	-4.3	-4.2
H222	-14.4	-14.4	-14.4	-10.7	-5.7	-2.6	-2.5	-3.5	-7.0	-11.2	-15.9	-15.9
H224	-11.1	-11.1	-11.1	-7.4	-2.4	0.7	1.0	0.5	0.1	-3.5	-6.9	-6.9

Table 11.11.11: Margins for Vestas Option for 300 Degree Sector - Day

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	-27.6	-27.6	-27.6	-23.9	-16.7	-15.1	-19.4	-23.9	-27.4	-30.4	-33.1	-35.7
H2	-28.1	-28.1	-28.1	-24.4	-20.5	-19.4	-22.1	-25.1	-28.0	-30.8	-33.5	-36.4
H3	-26.3	-26.3	-26.3	-22.6	-17.6	-15.0	-16.2	-17.5	-18.4	-17.5	-20.6	-23.3
H4	-26.5	-26.5	-26.5	-22.8	-17.8	-15.2	-15.3	-17.1	-19.9	-22.0	-23.9	-25.6
H5	-25.0	-25.0	-25.0	-21.3	-16.3	-13.7	-14.3	-16.0	-18.6	-20.7	-22.5	-24.2
H6	-21.1	-21.6	-22.4	-19.0	-14.0	-10.5	-9.7	-10.2	-12.5	-16.0	-20.6	-20.6
H10	-17.9	-18.4	-19.2	-15.8	-10.8	-7.5	-6.6	-7.1	-9.4	-12.9	-17.4	-17.4
H11	-21.0	-21.5	-22.3	-18.9	-13.9	-10.8	-10.1	-10.6	-12.8	-16.1	-20.6	-20.6
H12	-20.4	-20.9	-21.7	-18.3	-13.3	-10.2	-9.4	-10.0	-12.1	-15.4	-19.9	-19.9
H13	-19.6	-20.1	-20.9	-17.5	-12.5	-9.4	-8.7	-9.2	-11.3	-14.7	-19.2	-19.2
H14	-20.9	-21.4	-22.2	-18.8	-13.8	-10.8	-10.2	-10.7	-12.8	-16.0	-20.5	-20.5
H16	-21.4	-21.9	-22.7	-19.3	-14.3	-11.2	-10.4	-11.0	-13.1	-16.5	-20.9	-20.9
H22	-14.4	-14.4	-14.7	-12.2	-7.4	-5.5	-6.8	-9.0	-11.7	-15.0	-18.8	-18.8
H24	-14.9	-14.9	-15.2	-11.8	-6.7	-5.0	-6.7	-9.2	-12.0	-15.4	-19.3	-19.3
H27	-8.8	-8.8	-8.8	-5.1	-0.1	3.0	3.8	4.3	4.4	-0.4	-4.2	-4.2
H33	-14.1	-14.1	-14.1	-10.4	-5.4	-2.3	-2.2	-3.1	-6.7	-10.9	-15.6	-15.6
H34	-18.8	-19.3	-20.1	-16.7	-11.7	-8.6	-7.9	-8.4	-10.6	-13.9	-18.4	-18.4
H39	-14.8	-14.8	-14.8	-11.1	-6.1	-3.0	-2.9	-4.0	-7.5	-11.6	-16.2	-16.2
H45	-13.4	-13.4	-13.7	-11.2	-7.4	-5.6	-6.8	-8.7	-10.3	-13.7	-17.7	-17.7
H49	-10.6	-10.6	-10.6	-6.9	-1.9	1.2	1.5	1.1	1.0	-2.8	-6.3	-6.2
H52	-14.3	-14.3	-14.6	-12.1	-7.1	-5.3	-6.8	-9.0	-11.6	-14.9	-18.7	-18.7
H91	-14.1	-14.1	-14.3	-10.6	-5.6	-4.0	-5.8	-8.3	-11.2	-14.6	-18.5	-18.5
H94	-12.0	-12.0	-12.3	-9.8	-4.5	-2.3	-3.9	-6.3	-9.1	-12.5	-16.4	-16.4
H158	-26.7	-26.7	-26.7	-23.0	-18.0	-15.4	-15.9	-17.7	-20.3	-22.4	-24.2	-25.9
H162	-23.7	-24.2	-25.0	-21.6	-16.6	-13.6	-13.1	-13.6	-15.7	-18.9	-23.3	-23.3
H164	-22.2	-22.7	-23.5	-20.1	-15.1	-11.8	-11.0	-11.5	-13.8	-17.2	-21.7	-21.7
H165	-21.7	-22.2	-23.0	-19.6	-14.6	-11.3	-10.6	-11.1	-13.3	-16.7	-21.3	-21.3
H168	-17.4	-17.4	-17.7	-14.2	-8.8	-7.0	-8.9	-11.4	-14.3	-17.8	-21.7	-21.7
H173	-13.1	-13.1	-13.4	-10.9	-7.1	-5.3	-6.5	-8.4	-10.0	-13.4	-17.4	-17.4
H209	-8.7	-8.7	-8.7	-5.0	0.0	3.1	4.0	4.5	4.7	-0.2	-4.1	-4.0
H222	-14.4	-14.4	-14.4	-10.7	-5.7	-2.6	-2.5	-3.5	-7.0	-11.2	-15.9	-15.9
H224	-10.9	-10.9	-10.9	-7.2	-2.2	0.9	1.2	0.7	0.2	-3.3	-6.8	-6.7

Table 11.11.12: Margins for Vestas Option for 330 Degree Sector - Day

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	-28.0	-28.0	-28.0	-24.3	-17.3	-15.3	-21.0	-24.3	-27.8	-30.8	-33.5	-36.1
H2	-28.5	-28.5	-28.5	-24.8	-20.7	-19.5	-22.6	-25.4	-28.3	-31.1	-33.9	-36.7
H3	-26.4	-26.4	-26.4	-22.7	-17.7	-15.1	-16.3	-16.8	-17.7	-16.7	-20.2	-23.1
H4	-26.0	-26.0	-26.0	-22.3	-17.3	-14.3	-13.4	-15.2	-18.7	-21.1	-23.2	-24.9
H5	-24.0	-24.0	-24.0	-20.3	-15.3	-12.6	-11.8	-13.5	-16.8	-19.2	-21.2	-23.0
H6	-20.3	-20.8	-21.6	-18.2	-13.0	-8.3	-7.3	-6.4	-10.3	-14.6	-19.6	-19.6
H10	-17.0	-17.5	-18.3	-14.9	-9.8	-4.9	-3.8	-2.7	-6.8	-11.3	-16.3	-16.3
H11	-19.7	-20.2	-21.0	-17.6	-12.6	-8.1	-7.2	-6.7	-10.0	-14.1	-19.0	-19.0
H12	-19.1	-19.6	-20.4	-17.0	-12.0	-7.5	-6.6	-6.0	-9.4	-13.6	-18.5	-18.4
H13	-18.5	-19.0	-19.8	-16.4	-11.3	-6.7	-5.8	-5.1	-8.6	-12.9	-17.8	-17.8
H14	-19.5	-20.0	-20.8	-17.4	-12.4	-8.3	-7.5	-7.2	-10.2	-14.1	-18.9	-18.9
H16	-20.0	-20.5	-21.3	-17.9	-12.8	-8.1	-7.1	-6.3	-10.0	-14.3	-19.3	-19.3
H22	-12.7	-12.7	-13.0	-10.5	-5.5	-3.4	-5.0	-7.2	-9.9	-13.3	-17.1	-17.1
H24	-14.6	-14.6	-14.9	-11.5	-6.5	-4.7	-6.5	-8.9	-11.7	-15.1	-19.0	-19.0
H27	-8.8	-8.8	-8.8	-5.1	-0.1	3.0	3.5	4.3	4.4	-0.4	-4.2	-4.2
H33	-14.1	-14.1	-14.1	-10.4	-5.4	-2.3	-2.2	-3.1	-6.7	-10.9	-15.6	-15.6
H34	-17.5	-18.0	-18.8	-15.4	-10.4	-6.0	-5.2	-4.8	-7.9	-12.0	-16.9	-16.9
H39	-14.8	-14.8	-14.8	-11.1	-6.1	-3.0	-2.9	-4.0	-7.5	-11.6	-16.2	-16.2
H45	-12.3	-12.3	-12.6	-10.1	-6.3	-4.5	-5.7	-7.6	-8.9	-12.4	-16.5	-16.5
H49	-10.6	-10.6	-10.6	-6.9	-1.9	1.2	1.5	1.1	1.0	-2.8	-6.3	-6.2
H52	-14.3	-14.3	-14.6	-12.0	-7.1	-5.3	-6.8	-9.0	-11.6	-14.9	-18.7	-18.7
H91	-14.0	-14.0	-14.2	-10.4	-5.5	-3.9	-5.8	-8.2	-11.1	-14.5	-18.4	-18.4
H94	-10.7	-10.7	-11.0	-8.5	-3.1	-0.9	-2.6	-4.9	-7.7	-11.2	-15.1	-15.0
H158	-26.2	-26.2	-26.2	-22.5	-17.5	-14.9	-14.3	-16.0	-19.1	-21.5	-23.5	-25.2
H162	-22.7	-23.2	-24.0	-20.6	-15.6	-11.6	-10.9	-10.8	-13.6	-17.4	-22.1	-22.1
H164	-21.3	-21.8	-22.6	-19.2	-14.1	-9.6	-8.8	-8.2	-11.6	-15.8	-20.6	-20.6
H165	-20.9	-21.4	-22.2	-18.8	-13.7	-9.2	-8.4	-7.8	-11.2	-15.3	-20.2	-20.2
H168	-14.7	-14.7	-15.0	-11.3	-5.7	-3.8	-6.0	-8.5	-11.5	-15.0	-19.0	-19.0
H173	-12.0	-12.0	-12.3	-9.8	-6.0	-4.2	-5.4	-7.3	-8.6	-12.2	-16.3	-16.2
H209	-8.7	-8.7	-8.7	-5.0	0.0	3.1	3.7	4.5	4.7	-0.2	-4.1	-4.0
H222	-14.4	-14.4	-14.4	-10.7	-5.7	-2.6	-2.5	-3.5	-7.0	-11.2	-15.9	-15.9
H224	-10.9	-10.9	-10.9	-7.2	-2.2	0.9	1.2	0.7	0.2	-3.3	-6.8	-6.7

Table 11.11.13: Margins for Vestas Option for 0 Degree Sector - Night

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	-34.2	-34.2	-34.2	-30.4	-24.8	-20.1	-17.0	-18.3	-24.2	-28.2	-31.5	-34.5
H2	-34.9	-34.9	-34.9	-31.2	-25.9	-22.3	-21.3	-22.4	-26.1	-29.1	-32.0	-34.7
H3	-32.7	-32.7	-32.7	-29.0	-23.1	-18.8	-16.4	-12.6	-13.7	-12.6	-17.4	-17.4
H4	-31.3	-31.3	-31.3	-27.6	-22.4	-18.9	-18.1	-17.9	-17.9	-17.9	-18.1	-20.0
H5	-28.9	-28.9	-28.9	-25.2	-20.0	-16.5	-15.7	-15.5	-15.5	-15.5	-15.6	-17.6
H6	-25.9	-25.9	-25.9	-22.2	-17.0	-13.4	-12.5	-12.3	-12.3	-12.3	-13.7	-17.3
H10	-22.9	-22.9	-22.9	-19.2	-13.9	-10.4	-9.6	-9.5	-9.4	-9.4	-10.8	-14.3
H11	-24.7	-24.7	-24.7	-21.0	-15.8	-12.4	-11.7	-11.6	-11.5	-11.5	-12.8	-16.2
H12	-24.4	-24.4	-24.4	-20.6	-15.4	-12.0	-11.3	-11.2	-11.1	-11.1	-12.4	-15.8
H13	-23.9	-23.9	-23.9	-20.2	-15.0	-11.5	-10.8	-10.7	-10.6	-10.6	-11.9	-15.3
H14	-24.6	-24.6	-24.6	-20.8	-15.7	-12.2	-11.6	-11.5	-11.4	-11.4	-12.7	-16.0
H16	-24.8	-24.8	-24.8	-21.1	-15.9	-12.4	-11.7	-11.6	-11.5	-11.5	-12.8	-16.2
H22	-19.7	-19.7	-19.7	-16.0	-10.8	-7.5	-7.1	-7.0	-6.9	-8.5	-11.5	-14.8
H24	-22.2	-22.2	-22.2	-18.5	-13.4	-10.1	-9.7	-9.7	-9.6	-11.1	-14.3	-17.5
H27	-16.6	-16.6	-16.6	-12.9	-7.8	-4.5	-4.0	-4.0	-3.8	-3.8	-3.8	-4.5
H33	-22.5	-22.5	-22.5	-18.8	-13.8	-10.5	-10.2	-10.1	-10.1	-10.1	-12.6	-16.3
H34	-23.1	-23.1	-23.1	-19.3	-14.1	-10.7	-10.0	-9.9	-9.8	-9.8	-11.1	-14.5
H39	-23.1	-23.1	-23.1	-19.4	-14.3	-11.1	-10.7	-10.7	-10.7	-10.7	-13.2	-16.8
H45	-19.2	-19.2	-19.2	-15.5	-10.5	-7.4	-7.1	-7.1	-7.1	-7.7	-10.3	-13.9
H49	-18.5	-18.5	-18.5	-14.8	-9.7	-6.4	-6.0	-6.0	-5.9	-5.9	-5.8	-6.6
H52	-22.0	-22.0	-22.0	-18.3	-13.2	-10.0	-9.7	-9.6	-9.6	-11.0	-14.0	-17.2
H91	-21.5	-21.5	-21.5	-17.8	-12.7	-9.4	-9.0	-9.0	-8.9	-10.5	-13.6	-16.9
H94	-18.3	-18.3	-18.3	-14.5	-9.4	-6.0	-5.5	-5.4	-5.3	-6.9	-10.0	-13.4
H158	-31.6	-31.6	-31.6	-27.8	-22.6	-19.2	-18.5	-18.3	-18.3	-18.3	-18.4	-20.3
H162	-27.7	-27.7	-27.7	-23.9	-18.8	-15.3	-14.7	-14.6	-14.5	-14.5	-15.8	-19.2
H164	-26.7	-26.7	-26.7	-23.0	-17.8	-14.2	-13.4	-13.3	-13.2	-13.2	-14.6	-18.1
H165	-26.4	-26.4	-26.4	-22.6	-17.4	-13.9	-13.1	-12.9	-12.9	-12.9	-14.3	-17.8
H168	-20.9	-20.9	-20.8	-17.0	-11.8	-8.5	-8.0	-7.9	-7.7	-9.3	-12.7	-16.1
H173	-19.0	-19.0	-19.0	-15.3	-10.3	-7.2	-6.9	-6.9	-6.9	-7.5	-10.1	-13.7
H209	-16.5	-16.5	-16.5	-12.8	-7.7	-4.3	-3.9	-3.8	-3.7	-3.7	-3.6	-4.4
H222	-22.8	-22.8	-22.8	-19.1	-14.0	-10.8	-10.4	-10.4	-10.3	-10.3	-12.9	-16.5
H224	-18.9	-18.9	-18.9	-15.2	-10.1	-6.8	-6.5	-6.4	-6.4	-6.4	-6.3	-7.1

Table 11.11.14: Margins for Vestas Option for 30 Degree Sector - Night

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	-30.8	-30.8	-30.8	-26.9	-21.7	-17.0	-15.1	-12.8	-20.2	-24.6	-28.1	-31.1
H2	-31.4	-31.4	-31.4	-27.6	-22.5	-18.5	-17.5	-17.8	-22.1	-25.4	-28.5	-31.2
H3	-29.1	-29.1	-29.1	-25.3	-19.5	-15.0	-12.7	-9.0	-9.0	-9.1	-11.9	-11.9
H4	-27.1	-27.1	-27.1	-23.3	-18.2	-14.7	-14.0	-13.3	-13.2	-13.2	-13.3	-15.5
H5	-25.0	-25.0	-25.0	-21.2	-16.1	-12.6	-12.0	-11.4	-11.3	-11.2	-11.3	-13.4
H6	-22.8	-22.8	-22.8	-19.0	-13.9	-10.3	-9.7	-9.0	-8.8	-8.8	-10.3	-14.1
H10	-20.9	-20.9	-20.9	-17.2	-12.0	-8.5	-7.9	-7.4	-7.2	-7.2	-8.6	-12.2
H11	-22.2	-22.2	-22.2	-18.5	-13.4	-9.9	-9.4	-9.0	-8.8	-8.8	-10.2	-13.6
H12	-21.9	-21.9	-21.9	-18.2	-13.1	-9.6	-9.1	-8.7	-8.5	-8.5	-9.8	-13.3
H13	-21.6	-21.6	-21.6	-17.9	-12.7	-9.3	-8.7	-8.3	-8.1	-8.1	-9.5	-13.0
H14	-22.1	-22.1	-22.1	-18.4	-13.3	-9.9	-9.4	-9.0	-8.9	-8.9	-10.1	-13.6
H16	-22.3	-22.3	-22.3	-18.6	-13.5	-10.0	-9.5	-9.1	-8.9	-8.9	-10.2	-13.7
H22	-19.7	-19.7	-19.7	-15.9	-10.8	-7.6	-7.2	-7.1	-6.9	-8.4	-11.5	-14.8
H24	-22.2	-22.2	-22.2	-18.5	-13.4	-10.1	-9.8	-9.7	-9.6	-11.1	-14.3	-17.5
H27	-17.1	-17.1	-17.1	-13.4	-8.2	-4.9	-4.6	-4.4	-4.3	-4.3	-4.2	-5.0
H33	-25.1	-25.1	-25.1	-21.4	-16.4	-13.2	-12.9	-12.9	-12.8	-12.8	-15.3	-18.9
H34	-21.3	-21.3	-21.3	-17.6	-12.5	-9.0	-8.5	-8.1	-7.9	-7.9	-9.2	-12.7
H39	-25.0	-25.0	-25.0	-21.3	-16.3	-13.1	-12.8	-12.7	-12.7	-12.7	-15.2	-18.8
H45	-19.0	-19.0	-19.0	-15.3	-10.3	-7.2	-6.9	-6.9	-6.9	-7.5	-10.2	-13.7
H49	-19.0	-19.0	-19.0	-15.3	-10.2	-7.0	-6.6	-6.5	-6.5	-6.5	-6.4	-7.1
H52	-22.0	-22.0	-22.0	-18.3	-13.3	-10.1	-9.7	-9.7	-9.6	-11.1	-14.0	-17.2
H91	-21.5	-21.5	-21.5	-17.8	-12.7	-9.5	-9.1	-9.0	-8.9	-10.5	-13.6	-16.9
H94	-18.3	-18.3	-18.3	-14.5	-9.4	-6.0	-5.6	-5.4	-5.3	-6.9	-10.0	-13.4
H158	-27.2	-27.2	-27.2	-23.5	-18.4	-14.9	-14.3	-13.7	-13.5	-13.5	-13.6	-15.7
H162	-24.0	-24.0	-24.0	-20.3	-15.1	-11.7	-11.2	-10.8	-10.6	-10.6	-12.0	-15.4
H164	-23.3	-23.3	-23.3	-19.5	-14.4	-10.9	-10.3	-9.7	-9.5	-9.5	-11.0	-14.6
H165	-23.1	-23.1	-23.1	-19.3	-14.2	-10.6	-10.1	-9.5	-9.3	-9.3	-10.8	-14.4
H168	-20.7	-20.7	-20.7	-16.9	-11.7	-8.3	-7.9	-7.7	-7.5	-9.1	-12.5	-15.9
H173	-18.9	-18.9	-18.9	-15.2	-10.2	-7.1	-6.8	-6.8	-6.8	-7.3	-10.0	-13.5
H209	-16.9	-16.9	-16.9	-13.2	-8.1	-4.8	-4.4	-4.2	-4.1	-4.1	-4.0	-4.8
H222	-24.5	-24.5	-24.5	-20.8	-15.8	-12.6	-12.3	-12.2	-12.2	-12.2	-14.7	-18.3
H224	-19.3	-19.3	-19.3	-15.6	-10.5	-7.3	-6.9	-6.9	-6.8	-6.8	-6.7	-7.5

Table 11.11.15: Margins for Vestas Option for 60 Degree Sector - Night

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	-26.8	-26.8	-26.8	-22.9	-17.6	-12.9	-9.8	-6.1	-15.6	-20.4	-24.0	-27.1
H2	-27.3	-27.3	-27.3	-23.5	-18.3	-14.3	-12.9	-12.9	-17.7	-21.3	-24.4	-27.2
H3	-25.6	-25.6	-25.6	-21.8	-16.0	-11.5	-9.0	-5.5	-5.5	-5.6	-8.0	-7.8
H4	-24.7	-24.7	-24.7	-20.9	-15.8	-12.3	-11.6	-10.9	-10.7	-10.7	-10.9	-13.1
H5	-23.9	-23.9	-23.9	-20.1	-15.0	-11.5	-10.9	-10.3	-10.1	-10.1	-10.2	-12.3
H6	-22.0	-22.0	-22.0	-18.3	-13.2	-9.6	-8.9	-8.3	-8.1	-8.1	-9.6	-13.3
H10	-20.6	-20.6	-20.6	-16.9	-11.8	-8.2	-7.6	-7.1	-6.9	-6.9	-8.3	-11.9
H11	-22.0	-22.0	-21.9	-18.2	-13.1	-9.7	-9.1	-8.7	-8.5	-8.5	-9.9	-13.4
H12	-21.7	-21.7	-21.7	-17.9	-12.8	-9.4	-8.8	-8.4	-8.2	-8.2	-9.5	-13.0
H13	-21.3	-21.3	-21.3	-17.6	-12.5	-9.0	-8.4	-8.0	-7.8	-7.8	-9.2	-12.7
H14	-21.9	-21.9	-21.9	-18.1	-13.0	-9.6	-9.1	-8.7	-8.6	-8.6	-9.8	-13.3
H16	-22.0	-22.0	-22.0	-18.3	-13.2	-9.8	-9.2	-8.7	-8.6	-8.6	-9.9	-13.4
H22	-19.7	-19.7	-19.7	-16.0	-10.9	-7.6	-7.2	-7.1	-7.0	-8.5	-11.6	-14.8
H24	-22.2	-22.2	-22.2	-18.5	-13.4	-10.2	-9.8	-9.7	-9.6	-11.1	-14.3	-17.5
H27	-17.8	-17.8	-17.8	-14.1	-9.0	-5.8	-5.4	-5.4	-5.3	-5.3	-5.3	-6.0
H33	-28.0	-28.0	-28.0	-24.3	-19.2	-16.1	-15.8	-15.8	-15.8	-15.8	-18.2	-21.8
H34	-21.0	-21.0	-21.0	-17.3	-12.2	-8.7	-8.2	-7.8	-7.6	-7.6	-8.9	-12.4
H39	-28.6	-28.6	-28.6	-24.9	-19.9	-16.8	-16.5	-16.5	-16.5	-16.5	-18.9	-22.4
H45	-19.0	-19.0	-19.0	-15.3	-10.3	-7.2	-6.9	-6.9	-6.9	-7.6	-10.2	-13.7
H49	-20.5	-20.5	-20.5	-16.8	-11.7	-8.5	-8.2	-8.2	-8.1	-8.1	-8.1	-8.8
H52	-22.3	-22.3	-22.3	-18.6	-13.6	-10.4	-10.1	-10.0	-9.9	-11.4	-14.4	-17.6
H91	-21.5	-21.5	-21.5	-17.8	-12.7	-9.5	-9.1	-9.0	-8.9	-10.5	-13.6	-16.9
H94	-18.3	-18.3	-18.3	-14.6	-9.4	-6.1	-5.7	-5.5	-5.3	-6.9	-10.1	-13.4
H158	-24.8	-24.8	-24.8	-21.1	-15.9	-12.5	-11.8	-11.2	-11.0	-11.0	-11.1	-13.2
H162	-23.2	-23.2	-23.2	-19.4	-14.3	-10.9	-10.3	-9.9	-9.8	-9.8	-11.1	-14.6
H164	-22.5	-22.5	-22.5	-18.8	-13.6	-10.1	-9.5	-8.9	-8.7	-8.7	-10.2	-13.8
H165	-22.3	-22.3	-22.3	-18.6	-13.4	-9.9	-9.3	-8.7	-8.5	-8.5	-10.0	-13.6
H168	-20.7	-20.7	-20.6	-16.9	-11.7	-8.3	-7.9	-7.7	-7.5	-9.1	-12.5	-15.9
H173	-18.9	-18.9	-18.9	-15.2	-10.2	-7.1	-6.8	-6.8	-6.8	-7.4	-10.0	-13.6
H209	-17.6	-17.6	-17.6	-13.9	-8.8	-5.6	-5.2	-5.2	-5.1	-5.1	-5.1	-5.8
H222	-27.8	-27.8	-27.8	-24.1	-19.1	-16.0	-15.7	-15.6	-15.6	-15.6	-18.1	-21.6
H224	-20.5	-20.5	-20.5	-16.8	-11.8	-8.6	-8.3	-8.2	-8.2	-8.2	-8.2	-8.9

Table 11.11.16: Margins for Vestas Option for 90 Degree Sector - Night

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	-25.4	-25.4	-25.4	-21.5	-16.2	-11.3	-8.1	-4.7	-14.2	-19.0	-22.7	-25.8
H2	-26.0	-26.0	-26.0	-22.2	-17.0	-12.9	-11.4	-11.3	-16.4	-20.0	-23.2	-26.0
H3	-25.0	-25.0	-25.0	-21.3	-15.5	-11.0	-8.5	-5.0	-5.0	-5.1	-7.4	-7.3
H4	-24.7	-24.7	-24.7	-20.9	-15.8	-12.3	-11.6	-10.9	-10.7	-10.7	-10.8	-13.0
H5	-23.9	-23.9	-23.9	-20.1	-15.0	-11.5	-10.9	-10.3	-10.1	-10.1	-10.2	-12.3
H6	-22.0	-22.0	-22.0	-18.3	-13.1	-9.6	-8.9	-8.3	-8.1	-8.0	-9.6	-13.3
H10	-20.6	-20.6	-20.6	-16.9	-11.7	-8.2	-7.6	-7.1	-6.9	-6.9	-8.3	-11.9
H11	-21.9	-21.9	-21.9	-18.2	-13.1	-9.7	-9.1	-8.7	-8.5	-8.5	-9.8	-13.3
H12	-21.7	-21.7	-21.7	-17.9	-12.8	-9.4	-8.8	-8.4	-8.2	-8.2	-9.5	-13.0
H13	-21.3	-21.3	-21.3	-17.6	-12.5	-9.0	-8.4	-8.0	-7.8	-7.8	-9.1	-12.7
H14	-21.8	-21.8	-21.8	-18.1	-13.0	-9.6	-9.1	-8.7	-8.6	-8.5	-9.8	-13.3
H16	-22.0	-22.0	-22.0	-18.3	-13.2	-9.7	-9.2	-8.7	-8.6	-8.5	-9.9	-13.4
H22	-19.7	-19.7	-19.7	-16.0	-10.9	-7.7	-7.3	-7.2	-7.1	-8.6	-11.6	-14.8
H24	-22.9	-22.9	-22.9	-19.2	-14.2	-11.0	-10.6	-10.6	-10.5	-12.0	-15.0	-18.3
H27	-19.1	-19.1	-19.1	-15.4	-10.3	-7.2	-6.9	-6.9	-6.8	-6.8	-6.8	-7.5
H33	-29.3	-29.3	-29.3	-25.6	-20.6	-17.5	-17.2	-17.2	-17.2	-17.2	-19.6	-23.1
H34	-21.0	-21.0	-21.0	-17.3	-12.2	-8.7	-8.2	-7.8	-7.6	-7.6	-8.9	-12.4
H39	-30.8	-30.8	-30.8	-27.1	-22.1	-18.9	-18.6	-18.6	-18.6	-18.6	-21.0	-24.6
H45	-19.0	-19.0	-19.0	-15.3	-10.3	-7.2	-6.9	-6.9	-6.9	-7.7	-10.3	-13.8
H49	-22.8	-22.8	-22.8	-19.1	-14.1	-11.0	-10.7	-10.7	-10.7	-10.7	-10.7	-11.4
H52	-23.5	-23.5	-23.5	-19.8	-14.8	-11.6	-11.3	-11.3	-11.3	-12.7	-15.6	-18.7
H91	-22.9	-22.9	-22.9	-19.2	-14.2	-11.0	-10.7	-10.6	-10.6	-12.1	-15.1	-18.4
H94	-18.5	-18.5	-18.5	-14.8	-9.7	-6.4	-6.0	-5.8	-5.7	-7.2	-10.3	-13.6
H158	-24.8	-24.8	-24.8	-21.1	-15.9	-12.4	-11.8	-11.2	-11.0	-11.0	-11.1	-13.2
H162	-23.2	-23.2	-23.2	-19.4	-14.3	-10.9	-10.3	-9.9	-9.8	-9.8	-11.1	-14.6
H164	-22.5	-22.5	-22.5	-18.7	-13.6	-10.1	-9.5	-8.9	-8.7	-8.7	-10.2	-13.8
H165	-22.3	-22.3	-22.3	-18.5	-13.4	-9.9	-9.3	-8.7	-8.5	-8.5	-10.0	-13.6
H168	-20.7	-20.7	-20.7	-16.9	-11.7	-8.3	-7.9	-7.7	-7.5	-9.1	-12.5	-15.9
H173	-18.9	-18.9	-18.9	-15.2	-10.2	-7.1	-6.8	-6.8	-6.8	-7.5	-10.1	-13.6
H209	-18.8	-18.8	-18.8	-15.1	-10.1	-6.9	-6.6	-6.6	-6.6	-6.6	-6.6	-7.3
H222	-29.8	-29.8	-29.8	-26.1	-21.1	-18.0	-17.7	-17.6	-17.6	-17.6	-20.1	-23.6
H224	-23.1	-23.1	-23.1	-19.4	-14.4	-11.3	-11.0	-11.0	-11.0	-11.0	-10.9	-11.7

Table 11.11.17: Margins for Vestas Option for 120 Degree Sector - Night

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	-25.3	-25.3	-25.3	-21.4	-16.1	-11.1	-7.6	-4.7	-14.0	-18.9	-22.6	-25.8
H2	-26.0	-26.0	-26.0	-22.2	-17.0	-12.9	-11.4	-11.3	-16.4	-20.0	-23.2	-26.0
H3	-25.0	-25.0	-25.0	-21.3	-15.5	-11.0	-8.5	-5.0	-5.0	-5.1	-7.4	-7.3
H4	-24.7	-24.7	-24.7	-20.9	-15.8	-12.3	-11.6	-10.9	-10.7	-10.7	-10.8	-13.0
H5	-23.9	-23.9	-23.9	-20.1	-15.0	-11.5	-10.9	-10.3	-10.1	-10.1	-10.2	-12.3
H6	-22.1	-22.1	-22.1	-18.3	-13.2	-9.7	-9.0	-8.4	-8.2	-8.2	-9.7	-13.4
H10	-20.7	-20.7	-20.7	-16.9	-11.8	-8.3	-7.7	-7.2	-7.0	-7.0	-8.4	-12.0
H11	-22.0	-22.0	-22.0	-18.2	-13.1	-9.7	-9.2	-8.8	-8.6	-8.6	-9.9	-13.4
H12	-21.7	-21.7	-21.7	-17.9	-12.8	-9.4	-8.8	-8.4	-8.2	-8.2	-9.6	-13.1
H13	-21.4	-21.4	-21.4	-17.6	-12.5	-9.1	-8.5	-8.0	-7.9	-7.8	-9.2	-12.7
H14	-21.9	-21.9	-21.9	-18.1	-13.0	-9.6	-9.1	-8.8	-8.6	-8.6	-9.9	-13.3
H16	-22.1	-22.1	-22.1	-18.3	-13.2	-9.8	-9.2	-8.8	-8.6	-8.6	-9.9	-13.4
H22	-20.4	-20.4	-20.4	-16.7	-11.6	-8.5	-8.1	-8.1	-8.0	-9.4	-12.3	-15.5
H24	-26.5	-26.5	-26.5	-22.8	-17.8	-14.6	-14.3	-14.3	-14.3	-15.7	-18.7	-21.9
H27	-20.2	-20.2	-20.2	-16.5	-11.4	-8.3	-8.0	-8.0	-8.0	-8.0	-8.0	-8.7
H33	-29.4	-29.4	-29.4	-25.7	-20.7	-17.6	-17.3	-17.3	-17.3	-17.3	-19.7	-23.2
H34	-21.1	-21.1	-21.1	-17.3	-12.2	-8.8	-8.2	-7.9	-7.7	-7.7	-9.0	-12.5
H39	-31.2	-31.2	-31.2	-27.5	-22.5	-19.4	-19.1	-19.1	-19.1	-19.1	-21.5	-25.0
H45	-19.4	-19.4	-19.4	-15.7	-10.7	-7.6	-7.3	-7.3	-7.3	-8.4	-10.8	-14.2
H49	-24.2	-24.2	-24.2	-20.5	-15.5	-12.4	-12.1	-12.0	-12.0	-12.0	-12.0	-12.7
H52	-27.2	-27.2	-27.2	-23.5	-18.5	-15.4	-15.1	-15.1	-15.1	-16.4	-19.3	-22.4
H91	-26.7	-26.7	-26.7	-23.0	-18.0	-14.9	-14.5	-14.5	-14.5	-16.0	-18.9	-22.1
H94	-19.2	-19.2	-19.2	-15.5	-10.4	-7.2	-6.9	-6.8	-6.8	-8.2	-11.1	-14.3
H158	-24.8	-24.8	-24.8	-21.1	-15.9	-12.4	-11.8	-11.2	-11.0	-11.0	-11.1	-13.2
H162	-23.2	-23.2	-23.2	-19.4	-14.3	-10.9	-10.4	-10.0	-9.8	-9.8	-11.1	-14.6
H164	-22.6	-22.6	-22.5	-18.8	-13.7	-10.2	-9.6	-9.1	-8.9	-8.9	-10.3	-13.9
H165	-22.4	-22.4	-22.3	-18.6	-13.5	-10.0	-9.4	-8.8	-8.6	-8.6	-10.0	-13.7
H168	-20.9	-20.9	-20.9	-17.1	-12.0	-8.6	-8.3	-8.1	-8.0	-9.5	-12.8	-16.1
H173	-19.2	-19.2	-19.2	-15.5	-10.5	-7.4	-7.1	-7.1	-7.1	-8.1	-10.6	-14.0
H209	-19.8	-19.8	-19.8	-16.1	-11.1	-8.0	-7.7	-7.7	-7.7	-7.7	-7.7	-8.4
H222	-30.2	-30.2	-30.2	-26.5	-21.5	-18.4	-18.1	-18.1	-18.1	-18.1	-20.5	-24.0
H224	-25.0	-25.0	-25.0	-21.3	-16.3	-13.2	-12.9	-12.9	-12.9	-12.9	-12.9	-13.6

Table 11.11.18: Margins for Vestas Option for 150 Degree Sector - Night

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	-25.3	-25.3	-25.3	-21.4	-16.1	-11.1	-7.6	-4.7	-14.0	-18.9	-22.6	-25.8
H2	-26.0	-26.0	-26.0	-22.2	-17.0	-12.9	-11.4	-11.3	-16.4	-20.0	-23.2	-26.0
H3	-25.1	-25.1	-25.1	-21.3	-15.5	-11.0	-8.5	-5.0	-5.0	-5.1	-7.5	-7.4
H4	-24.7	-24.7	-24.7	-21.0	-15.9	-12.4	-11.7	-11.1	-11.0	-11.0	-11.1	-13.2
H5	-24.0	-24.0	-24.0	-20.2	-15.1	-11.7	-11.1	-10.6	-10.5	-10.5	-10.5	-12.5
H6	-22.1	-22.1	-22.1	-18.4	-13.3	-9.9	-9.3	-8.9	-8.7	-8.7	-10.0	-13.5
H10	-20.7	-20.7	-20.7	-17.0	-11.8	-8.5	-8.0	-7.8	-7.7	-7.7	-8.8	-12.2
H11	-22.0	-22.0	-22.0	-18.3	-13.2	-9.9	-9.5	-9.3	-9.2	-9.1	-10.3	-13.6
H12	-21.7	-21.7	-21.7	-18.0	-12.9	-9.6	-9.1	-9.0	-8.8	-8.8	-10.0	-13.3
H13	-21.4	-21.4	-21.4	-17.7	-12.6	-9.2	-8.8	-8.6	-8.5	-8.5	-9.6	-12.9
H14	-21.9	-21.9	-21.9	-18.2	-13.1	-9.8	-9.4	-9.2	-9.1	-9.1	-10.2	-13.5
H16	-22.1	-22.1	-22.1	-18.4	-13.3	-10.0	-9.6	-9.4	-9.2	-9.2	-10.4	-13.6
H22	-22.0	-22.0	-22.0	-18.3	-13.3	-10.2	-9.9	-9.8	-9.8	-11.2	-14.0	-17.1
H24	-29.8	-29.8	-29.8	-26.1	-21.1	-18.0	-17.7	-17.7	-17.7	-19.1	-22.0	-25.2
H27	-20.4	-20.4	-20.4	-16.7	-11.7	-8.6	-8.2	-8.2	-8.2	-8.2	-8.2	-8.9
H33	-28.2	-28.2	-28.2	-24.5	-19.5	-16.4	-16.1	-16.1	-16.1	-16.1	-18.5	-22.0
H34	-21.1	-21.1	-21.1	-17.4	-12.3	-8.9	-8.5	-8.3	-8.2	-8.2	-9.4	-12.6
H39	-30.1	-30.1	-30.1	-26.4	-21.4	-18.3	-18.0	-18.0	-18.0	-18.0	-20.4	-23.9
H45	-20.2	-20.2	-20.2	-16.5	-11.5	-8.4	-8.1	-8.1	-8.1	-9.4	-11.8	-15.1
H49	-24.3	-24.3	-24.3	-20.6	-15.6	-12.5	-12.2	-12.2	-12.2	-12.2	-12.2	-12.9
H52	-29.5	-29.5	-29.5	-25.8	-20.8	-17.7	-17.4	-17.4	-17.4	-18.8	-21.6	-24.8
H91	-29.4	-29.4	-29.4	-25.7	-20.8	-17.6	-17.3	-17.3	-17.3	-18.7	-21.7	-24.9
H94	-20.9	-20.9	-20.9	-17.2	-12.2	-9.0	-8.7	-8.7	-8.7	-10.0	-12.9	-16.0
H158	-24.9	-24.9	-24.9	-21.1	-16.0	-12.6	-11.9	-11.4	-11.3	-11.3	-11.4	-13.4
H162	-23.2	-23.2	-23.2	-19.5	-14.4	-11.1	-10.6	-10.3	-10.2	-10.2	-11.4	-14.7
H164	-22.6	-22.6	-22.6	-18.9	-13.8	-10.4	-9.8	-9.5	-9.3	-9.3	-10.6	-14.0
H165	-22.4	-22.4	-22.4	-18.6	-13.5	-10.2	-9.6	-9.3	-9.1	-9.1	-10.4	-13.8
H168	-22.2	-22.2	-22.1	-18.4	-13.3	-10.1	-9.7	-9.7	-9.5	-11.0	-14.1	-17.4
H173	-20.0	-20.0	-20.0	-16.3	-11.3	-8.2	-7.9	-7.9	-7.9	-9.2	-11.5	-14.9
H209	-20.1	-20.1	-20.1	-16.4	-11.4	-8.2	-7.9	-7.9	-7.9	-7.9	-7.9	-8.6
H222	-29.3	-29.3	-29.3	-25.6	-20.5	-17.4	-17.1	-17.1	-17.1	-17.1	-19.5	-23.1
H224	-25.3	-25.3	-25.3	-21.6	-16.6	-13.5	-13.2	-13.2	-13.2	-13.2	-13.2	-13.9

Table 11.11.19: Margins for Vestas Option for 180 Degree Sector - Night

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	-25.4	-25.4	-25.4	-21.5	-16.2	-11.4	-4.0	-4.7	-14.2	-19.0	-22.7	-25.8
H2	-26.1	-26.1	-26.1	-22.3	-17.1	-13.0	-10.6	-11.2	-16.5	-20.1	-23.2	-26.0
H3	-25.1	-25.1	-25.1	-21.3	-15.6	-11.3	-8.5	-5.0	-5.0	-5.0	-8.8	-8.7
H4	-24.8	-24.8	-24.8	-21.1	-16.0	-12.7	-12.1	-11.8	-11.8	-11.8	-11.8	-13.7
H5	-24.1	-24.1	-24.1	-20.4	-15.3	-12.0	-11.5	-11.4	-11.3	-11.3	-11.3	-13.0
H6	-22.2	-22.2	-22.2	-18.5	-13.4	-10.2	-9.7	-9.6	-9.5	-9.5	-10.6	-13.8
H10	-21.1	-21.1	-21.1	-17.4	-12.3	-9.1	-8.7	-8.6	-8.5	-8.5	-9.6	-12.7
H11	-22.5	-22.5	-22.5	-18.8	-13.8	-10.6	-10.2	-10.1	-10.1	-10.0	-11.1	-14.2
H12	-22.2	-22.2	-22.2	-18.5	-13.4	-10.2	-9.8	-9.8	-9.7	-9.7	-10.8	-13.9
H13	-21.9	-21.9	-21.9	-18.2	-13.1	-9.9	-9.5	-9.4	-9.4	-9.4	-10.4	-13.5
H14	-22.5	-22.5	-22.5	-18.8	-13.7	-10.5	-10.2	-10.1	-10.1	-10.0	-11.1	-14.2
H16	-22.7	-22.7	-22.7	-19.0	-14.0	-10.8	-10.4	-10.3	-10.3	-10.3	-11.4	-14.4
H22	-24.6	-24.6	-24.6	-20.9	-15.9	-12.7	-12.4	-12.4	-12.4	-13.7	-16.6	-19.7
H24	-31.2	-31.2	-31.2	-27.5	-22.5	-19.4	-19.1	-19.1	-19.0	-20.4	-23.4	-26.6
H27	-19.9	-19.9	-19.9	-16.2	-11.2	-8.1	-7.8	-7.8	-7.7	-7.7	-7.7	-8.4
H33	-25.2	-25.2	-25.2	-21.5	-16.5	-13.4	-13.1	-13.1	-13.1	-13.1	-15.5	-19.0
H34	-21.9	-21.9	-21.9	-18.2	-13.1	-9.9	-9.6	-9.5	-9.4	-9.4	-10.5	-13.6
H39	-27.0	-27.0	-27.0	-23.3	-18.3	-15.2	-14.9	-14.9	-14.9	-14.9	-17.3	-20.8
H45	-22.1	-22.1	-22.1	-18.4	-13.4	-10.3	-10.0	-10.0	-10.0	-11.3	-13.7	-17.0
H49	-23.3	-23.3	-23.3	-19.6	-14.6	-11.5	-11.2	-11.2	-11.2	-11.2	-11.2	-11.9
H52	-30.1	-30.1	-30.1	-26.4	-21.5	-18.3	-18.0	-18.0	-18.0	-19.4	-22.2	-25.4
H91	-30.3	-30.3	-30.3	-26.6	-21.6	-18.5	-18.2	-18.2	-18.2	-19.6	-22.5	-25.7
H94	-22.3	-22.3	-22.3	-18.6	-13.6	-10.5	-10.2	-10.1	-10.1	-11.5	-14.3	-17.4
H158	-24.9	-24.9	-24.9	-21.2	-16.1	-12.8	-12.3	-12.1	-12.0	-12.0	-12.0	-13.8
H162	-23.4	-23.4	-23.4	-19.7	-14.6	-11.4	-11.0	-10.9	-10.8	-10.8	-11.9	-15.0
H164	-22.7	-22.7	-22.7	-19.0	-13.9	-10.6	-10.2	-10.1	-10.0	-10.0	-11.1	-14.3
H165	-22.5	-22.5	-22.5	-18.8	-13.7	-10.4	-10.0	-9.9	-9.8	-9.8	-10.9	-14.1
H168	-25.2	-25.2	-25.1	-21.4	-16.3	-13.1	-12.8	-12.7	-12.6	-14.0	-17.1	-20.3
H173	-21.7	-21.7	-21.7	-18.0	-13.0	-9.9	-9.6	-9.6	-9.6	-10.9	-13.4	-16.7
H209	-19.6	-19.6	-19.6	-15.9	-10.9	-7.8	-7.5	-7.5	-7.5	-7.5	-7.4	-8.2
H222	-26.4	-26.4	-26.4	-22.7	-17.7	-14.6	-14.3	-14.3	-14.2	-14.2	-16.7	-20.2
H224	-24.4	-24.4	-24.4	-20.7	-15.7	-12.6	-12.2	-12.2	-12.2	-12.2	-12.2	-12.9

Table 11.11.20: Margins for Vestas Option for 210 Degree Sector - Night

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	-25.8	-25.8	-25.8	-21.9	-16.5	-11.7	-4.3	-6.1	-15.1	-19.5	-23.0	-26.1
H2	-26.4	-26.4	-26.4	-22.6	-17.4	-13.6	-11.8	-13.1	-17.3	-20.6	-23.6	-26.3
H3	-25.4	-25.4	-25.4	-21.7	-16.1	-12.1	-10.1	-7.1	-8.2	-7.0	-10.9	-10.9
H4	-26.1	-26.1	-26.1	-22.4	-17.3	-14.1	-13.7	-13.6	-13.6	-13.6	-13.6	-15.3
H5	-26.5	-26.5	-26.5	-22.8	-17.7	-14.6	-14.2	-14.1	-14.1	-14.1	-14.1	-15.7
H6	-24.5	-24.5	-24.5	-20.8	-15.8	-12.6	-12.2	-12.2	-12.2	-12.1	-13.2	-16.2
H10	-23.5	-23.5	-23.5	-19.7	-14.7	-11.5	-11.2	-11.2	-11.1	-11.1	-12.2	-15.2
H11	-25.6	-25.6	-25.6	-21.9	-16.8	-13.7	-13.3	-13.3	-13.3	-13.3	-14.3	-17.3
H12	-25.1	-25.1	-25.1	-21.4	-16.4	-13.2	-12.9	-12.8	-12.8	-12.8	-13.9	-16.9
H13	-24.6	-24.6	-24.6	-20.9	-15.9	-12.7	-12.4	-12.3	-12.3	-12.3	-13.4	-16.4
H14	-25.5	-25.5	-25.5	-21.8	-16.7	-13.6	-13.3	-13.2	-13.2	-13.2	-14.2	-17.2
H16	-25.8	-25.8	-25.8	-22.1	-17.1	-13.9	-13.6	-13.5	-13.5	-13.5	-14.6	-17.5
H22	-25.7	-25.7	-25.7	-22.0	-17.0	-13.9	-13.6	-13.6	-13.5	-14.9	-17.7	-20.8
H24	-30.9	-30.9	-30.9	-27.2	-22.2	-19.1	-18.8	-18.8	-18.8	-20.2	-23.1	-26.3
H27	-18.7	-18.7	-18.7	-15.0	-10.0	-6.8	-6.5	-6.5	-6.5	-6.5	-6.4	-7.2
H33	-22.5	-22.5	-22.5	-18.8	-13.8	-10.6	-10.2	-10.2	-10.1	-10.1	-12.7	-16.3
H34	-24.4	-24.4	-24.4	-20.7	-15.7	-12.5	-12.2	-12.1	-12.1	-12.1	-13.2	-16.1
H39	-23.9	-23.9	-23.9	-20.2	-15.1	-12.0	-11.6	-11.6	-11.6	-11.6	-14.1	-17.6
H45	-23.2	-23.2	-23.2	-19.5	-14.5	-11.4	-11.1	-11.1	-11.1	-12.4	-14.8	-18.1
H49	-21.2	-21.2	-21.2	-17.5	-12.5	-9.4	-9.0	-9.0	-9.0	-9.0	-9.0	-9.7
H52	-29.4	-29.4	-29.4	-25.7	-20.7	-17.6	-17.3	-17.3	-17.3	-18.6	-21.5	-24.7
H91	-29.7	-29.7	-29.7	-26.0	-21.0	-17.9	-17.6	-17.6	-17.6	-19.0	-22.0	-25.2
H94	-22.8	-22.8	-22.8	-19.1	-14.1	-10.9	-10.6	-10.6	-10.6	-11.9	-14.8	-17.9
H158	-26.3	-26.3	-26.3	-22.6	-17.5	-14.3	-13.9	-13.8	-13.8	-13.8	-13.8	-15.5
H162	-26.1	-26.1	-26.1	-22.4	-17.3	-14.2	-13.8	-13.8	-13.8	-13.8	-14.8	-17.8
H164	-25.2	-25.2	-25.2	-21.4	-16.4	-13.2	-12.9	-12.8	-12.8	-12.8	-13.9	-16.9
H165	-24.9	-24.9	-24.9	-21.2	-16.1	-13.0	-12.6	-12.6	-12.5	-12.5	-13.6	-16.6
H168	-27.3	-27.3	-27.2	-23.5	-18.4	-15.2	-14.9	-14.8	-14.7	-16.1	-19.2	-22.4
H173	-22.8	-22.8	-22.8	-19.1	-14.1	-11.0	-10.7	-10.7	-10.7	-12.0	-14.4	-17.7
H209	-18.5	-18.5	-18.5	-14.8	-9.8	-6.6	-6.3	-6.3	-6.2	-6.2	-6.2	-6.9
H222	-23.6	-23.6	-23.6	-19.9	-14.8	-11.6	-11.3	-11.3	-11.2	-11.2	-13.7	-17.3
H224	-22.3	-22.3	-22.3	-18.6	-13.5	-10.4	-10.1	-10.1	-10.1	-10.1	-10.0	-10.8

Table 11.11.21: Margins for Vestas Option for 240 Degree Sector - Night

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	-28.3	-28.3	-28.3	-24.5	-19.1	-14.4	-11.1	-12.4	-18.3	-22.2	-25.6	-28.6
H2	-29.1	-29.1	-29.1	-25.4	-20.2	-16.6	-15.7	-16.7	-20.4	-23.4	-26.3	-29.0
H3	-28.8	-28.8	-28.8	-25.1	-19.5	-15.6	-14.1	-11.8	-12.7	-11.8	-15.0	-14.9
H4	-30.5	-30.5	-30.5	-26.8	-21.8	-18.6	-18.2	-18.2	-18.2	-18.2	-18.2	-19.8
H5	-30.4	-30.4	-30.4	-26.7	-21.7	-18.6	-18.2	-18.2	-18.2	-18.2	-18.2	-19.7
H6	-27.5	-27.5	-27.5	-23.8	-18.8	-15.6	-15.3	-15.2	-15.2	-15.2	-16.3	-19.3
H10	-25.3	-25.3	-25.3	-21.6	-16.6	-13.4	-13.1	-13.1	-13.1	-13.1	-14.1	-17.1
H11	-28.2	-28.2	-28.2	-24.5	-19.5	-16.3	-16.0	-16.0	-16.0	-15.9	-17.0	-19.9
H12	-27.6	-27.6	-27.6	-23.9	-18.9	-15.7	-15.4	-15.4	-15.3	-15.3	-16.4	-19.3
H13	-26.9	-26.9	-26.9	-23.2	-18.2	-15.0	-14.7	-14.7	-14.7	-14.7	-15.7	-18.7
H14	-28.1	-28.1	-28.1	-24.4	-19.4	-16.2	-15.9	-15.9	-15.9	-15.9	-16.9	-19.8
H16	-28.5	-28.5	-28.5	-24.8	-19.8	-16.7	-16.3	-16.3	-16.3	-16.3	-17.3	-20.3
H22	-25.7	-25.7	-25.7	-21.9	-16.9	-13.8	-13.5	-13.4	-13.4	-14.8	-17.6	-20.8
H24	-28.9	-28.9	-28.9	-25.2	-20.2	-17.1	-16.7	-16.7	-16.7	-18.1	-21.1	-24.3
H27	-17.8	-17.8	-17.8	-14.1	-9.0	-5.7	-5.3	-5.2	-5.1	-5.1	-5.1	-5.8
H33	-22.0	-22.0	-22.0	-18.3	-13.2	-10.0	-9.7	-9.6	-9.6	-9.6	-12.1	-15.8
H34	-26.5	-26.5	-26.5	-22.8	-17.8	-14.6	-14.3	-14.3	-14.3	-14.3	-15.3	-18.2
H39	-22.7	-22.7	-22.7	-19.0	-13.9	-10.7	-10.4	-10.3	-10.3	-10.3	-12.8	-16.4
H45	-23.4	-23.4	-23.4	-19.7	-14.7	-11.6	-11.3	-11.3	-11.3	-12.6	-15.0	-18.3
H49	-19.4	-19.4	-19.4	-15.7	-10.7	-7.4	-7.1	-7.0	-7.0	-7.0	-6.9	-7.7
H52	-26.9	-26.9	-26.9	-23.2	-18.2	-15.0	-14.7	-14.7	-14.7	-16.1	-19.0	-22.1
H91	-27.4	-27.4	-27.4	-23.7	-18.7	-15.6	-15.2	-15.2	-15.2	-16.6	-19.7	-22.9
H94	-22.5	-22.5	-22.5	-18.8	-13.8	-10.6	-10.3	-10.2	-10.2	-11.6	-14.5	-17.6
H158	-30.7	-30.7	-30.7	-27.0	-22.0	-18.8	-18.5	-18.4	-18.4	-18.4	-18.5	-20.0
H162	-29.8	-29.8	-29.7	-26.0	-21.0	-17.9	-17.5	-17.5	-17.5	-17.5	-18.6	-21.5
H164	-28.4	-28.4	-28.4	-24.7	-19.7	-16.6	-16.2	-16.2	-16.2	-16.2	-17.2	-20.2
H165	-28.0	-28.0	-28.0	-24.3	-19.3	-16.2	-15.8	-15.8	-15.8	-15.8	-16.8	-19.8
H168	-27.8	-27.8	-27.7	-24.0	-18.9	-15.7	-15.4	-15.3	-15.2	-16.6	-19.7	-22.9
H173	-23.0	-23.0	-23.0	-19.3	-14.3	-11.2	-10.9	-10.9	-10.9	-12.1	-14.5	-17.9
H209	-17.6	-17.6	-17.6	-13.9	-8.8	-5.5	-5.1	-5.0	-4.9	-4.9	-4.9	-5.6
H222	-22.4	-22.4	-22.4	-18.7	-13.6	-10.4	-10.0	-10.0	-9.9	-9.9	-12.5	-16.1
H224	-20.3	-20.3	-20.3	-16.6	-11.5	-8.3	-8.0	-7.9	-7.9	-7.9	-7.8	-8.6

Table 11.11.22 Margins for Vestas Option for 270 Degree Sector - Night

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	-32.8	-32.8	-32.8	-29.0	-23.6	-19.0	-16.6	-17.8	-23.0	-26.8	-30.1	-33.1
H2	-33.6	-33.6	-33.6	-29.9	-24.8	-21.3	-20.6	-21.6	-25.0	-27.9	-30.8	-33.4
H3	-32.6	-32.6	-32.6	-28.9	-23.4	-19.5	-18.1	-15.9	-16.8	-15.9	-18.9	-18.9
H4	-33.4	-33.4	-33.4	-29.7	-24.7	-21.5	-21.1	-21.1	-21.1	-21.1	-21.1	-22.7
H5	-32.6	-32.6	-32.6	-28.9	-23.8	-20.7	-20.3	-20.3	-20.3	-20.3	-20.3	-21.9
H6	-28.9	-28.9	-28.9	-25.1	-20.1	-16.9	-16.6	-16.5	-16.5	-16.5	-17.6	-20.6
H10	-26.0	-26.0	-26.0	-22.3	-17.3	-14.1	-13.7	-13.7	-13.7	-13.7	-14.7	-17.7
H11	-29.1	-29.1	-29.1	-25.4	-20.4	-17.2	-16.9	-16.9	-16.9	-16.9	-17.9	-20.9
H12	-28.5	-28.5	-28.5	-24.8	-19.7	-16.6	-16.2	-16.2	-16.2	-16.2	-17.3	-20.2
H13	-27.7	-27.7	-27.7	-24.0	-19.0	-15.8	-15.5	-15.5	-15.5	-15.5	-16.5	-19.5
H14	-29.0	-29.0	-29.0	-25.3	-20.3	-17.1	-16.8	-16.8	-16.8	-16.8	-17.8	-20.8
H16	-29.5	-29.5	-29.5	-25.8	-20.8	-17.6	-17.3	-17.3	-17.3	-17.3	-18.3	-21.3
H22	-24.5	-24.5	-24.5	-20.8	-15.7	-12.6	-12.2	-12.2	-12.1	-13.5	-16.5	-19.6
H24	-25.2	-25.2	-25.2	-21.5	-16.4	-13.2	-12.8	-12.8	-12.8	-14.3	-17.3	-20.5
H27	-16.9	-16.9	-16.9	-13.2	-8.0	-4.7	-4.3	-4.2	-4.1	-4.1	-4.0	-4.8
H33	-22.0	-22.0	-22.0	-18.3	-13.2	-10.0	-9.7	-9.6	-9.6	-9.6	-12.1	-15.8
H34	-27.1	-27.1	-27.1	-23.4	-18.4	-15.3	-14.9	-14.9	-14.9	-14.9	-15.9	-18.9
H39	-22.7	-22.7	-22.7	-19.0	-13.9	-10.7	-10.4	-10.3	-10.3	-10.3	-12.8	-16.4
H45	-22.8	-22.8	-22.8	-19.1	-14.1	-11.0	-10.7	-10.7	-10.7	-11.9	-14.3	-17.7
H49	-18.5	-18.5	-18.5	-14.8	-9.7	-6.5	-6.1	-6.1	-6.0	-6.0	-5.9	-6.7
H52	-23.9	-23.9	-23.9	-20.2	-15.2	-12.0	-11.6	-11.6	-11.6	-13.0	-16.0	-19.2
H91	-23.5	-23.5	-23.5	-19.8	-14.7	-11.5	-11.1	-11.1	-11.0	-12.5	-15.7	-18.9
H94	-21.3	-21.3	-21.3	-17.6	-12.5	-9.3	-8.9	-8.9	-8.8	-10.3	-13.2	-16.4
H158	-33.7	-33.7	-33.7	-30.0	-25.0	-21.8	-21.4	-21.4	-21.4	-21.4	-21.4	-23.0
H162	-31.5	-31.5	-31.5	-27.8	-22.8	-19.6	-19.3	-19.3	-19.2	-19.2	-20.3	-23.2
H164	-29.9	-29.9	-29.9	-26.2	-21.2	-18.0	-17.7	-17.7	-17.7	-17.7	-18.7	-21.7
H165	-29.5	-29.5	-29.5	-25.8	-20.8	-17.6	-17.2	-17.2	-17.2	-17.2	-18.3	-21.2
H168	-27.1	-27.1	-27.1	-23.3	-18.2	-15.0	-14.6	-14.6	-14.4	-15.9	-19.0	-22.3
H173	-22.4	-22.4	-22.4	-18.7	-13.7	-10.6	-10.3	-10.3	-10.3	-11.5	-13.9	-17.3
H209	-16.7	-16.7	-16.7	-13.0	-7.9	-4.6	-4.1	-4.0	-3.9	-3.9	-3.8	-4.6
H222	-22.4	-22.4	-22.4	-18.7	-13.6	-10.4	-10.0	-10.0	-9.9	-9.9	-12.5	-16.1
H224	-19.0	-19.0	-19.0	-15.3	-10.2	-7.0	-6.6	-6.6	-6.5	-6.5	-6.5	-7.2

Table 11.11.23 Margins for Vestas Option for 300 Degree Sector - Night

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	-35.2	-35.2	-35.2	-31.4	-26.0	-21.6	-19.4	-20.5	-25.4	-29.1	-32.4	-35.4
H2	-35.9	-35.9	-35.9	-32.2	-27.1	-23.6	-23.0	-24.0	-27.3	-30.2	-33.0	-35.7
H3	-34.3	-34.3	-34.3	-30.6	-25.0	-21.2	-19.7	-17.5	-18.4	-17.5	-20.6	-20.6
H4	-34.3	-34.3	-34.3	-30.6	-25.6	-22.4	-22.0	-21.9	-21.9	-21.9	-22.0	-23.6
H5	-32.9	-32.9	-32.9	-29.2	-24.2	-21.0	-20.6	-20.6	-20.6	-20.6	-20.6	-22.2
H6	-29.0	-29.0	-29.0	-25.3	-20.2	-17.0	-16.5	-16.5	-16.5	-16.5	-17.6	-20.7
H10	-25.9	-25.9	-25.9	-22.1	-17.1	-13.8	-13.4	-13.4	-13.4	-13.3	-14.5	-17.5
H11	-28.9	-28.9	-28.9	-25.2	-20.2	-17.0	-16.6	-16.5	-16.5	-16.5	-17.6	-20.7
H12	-28.3	-28.3	-28.3	-24.6	-19.5	-16.3	-15.9	-15.9	-15.9	-15.9	-17.0	-20.0
H13	-27.6	-27.6	-27.6	-23.8	-18.8	-15.6	-15.2	-15.1	-15.1	-15.1	-16.2	-19.3
H14	-28.8	-28.8	-28.8	-25.1	-20.1	-16.9	-16.5	-16.5	-16.5	-16.5	-17.5	-20.6
H16	-29.3	-29.3	-29.3	-25.6	-20.6	-17.3	-16.9	-16.9	-16.9	-16.9	-18.0	-21.0
H22	-22.3	-22.3	-22.2	-18.5	-13.4	-10.2	-9.8	-9.7	-9.6	-11.1	-14.1	-17.4
H24	-22.4	-22.4	-22.4	-18.7	-13.7	-10.4	-10.0	-9.9	-9.8	-11.4	-14.5	-17.8
H27	-16.6	-16.6	-16.6	-12.9	-7.8	-4.5	-4.0	-4.0	-3.8	-3.8	-3.8	-4.5
H33	-22.0	-22.0	-22.0	-18.3	-13.2	-10.0	-9.7	-9.6	-9.6	-9.6	-12.1	-15.8
H34	-26.8	-26.8	-26.8	-23.1	-18.0	-14.8	-14.4	-14.4	-14.4	-14.4	-15.4	-18.5
H39	-22.7	-22.7	-22.7	-19.0	-13.9	-10.7	-10.4	-10.3	-10.3	-10.3	-12.8	-16.4
H45	-21.4	-21.4	-21.4	-17.7	-12.7	-9.6	-9.3	-9.3	-9.3	-10.2	-12.7	-16.2
H49	-18.5	-18.5	-18.5	-14.8	-9.7	-6.4	-6.0	-6.0	-5.9	-5.9	-5.8	-6.6
H52	-22.0	-22.0	-22.0	-18.3	-13.3	-10.1	-9.7	-9.7	-9.6	-11.1	-14.1	-17.3
H91	-21.6	-21.6	-21.6	-17.9	-12.8	-9.6	-9.1	-9.1	-9.0	-10.6	-13.7	-17.0
H94	-19.8	-19.8	-19.8	-16.1	-11.0	-7.6	-7.1	-7.0	-6.9	-8.5	-11.6	-14.9
H158	-34.6	-34.6	-34.6	-30.9	-25.9	-22.7	-22.3	-22.3	-22.3	-22.3	-22.3	-23.9
H162	-31.7	-31.7	-31.7	-28.0	-22.9	-19.7	-19.4	-19.3	-19.3	-19.3	-20.4	-23.4
H164	-30.1	-30.1	-30.1	-26.4	-21.3	-18.1	-17.7	-17.7	-17.7	-17.6	-18.8	-21.8
H165	-29.6	-29.6	-29.6	-25.9	-20.9	-17.6	-17.2	-17.2	-17.2	-17.2	-18.3	-21.4
H168	-25.1	-25.1	-25.0	-21.2	-16.1	-12.7	-12.4	-12.2	-12.1	-13.6	-16.9	-20.3
H173	-21.1	-21.1	-21.1	-17.4	-12.4	-9.3	-9.0	-9.0	-9.0	-9.9	-12.5	-15.9
H209	-16.5	-16.5	-16.5	-12.8	-7.7	-4.3	-3.9	-3.8	-3.7	-3.7	-3.6	-4.4
H222	-22.4	-22.4	-22.4	-18.7	-13.6	-10.4	-10.0	-10.0	-9.9	-9.9	-12.5	-16.1
H224	-18.9	-18.9	-18.9	-15.2	-10.1	-6.8	-6.5	-6.4	-6.4	-6.4	-6.3	-7.1

Table 11.11.24 Margins for Vestas Option for 330 Degree Sector - Night

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	-35.6	-35.6	-35.6	-31.8	-26.4	-21.9	-21.0	-20.8	-25.8	-29.5	-32.8	-35.8
H2	-36.3	-36.3	-36.3	-32.5	-27.4	-23.9	-23.5	-24.2	-27.6	-30.5	-33.3	-36.0
H3	-34.4	-34.4	-34.4	-30.7	-25.0	-21.0	-19.6	-16.8	-17.7	-16.7	-20.2	-20.2
H4	-33.7	-33.7	-33.7	-30.0	-24.9	-21.6	-21.2	-21.0	-21.0	-21.0	-21.1	-22.8
H5	-31.8	-31.8	-31.8	-28.1	-23.0	-19.7	-19.3	-19.1	-19.1	-19.1	-19.2	-20.9
H6	-28.1	-28.1	-28.1	-24.4	-19.3	-15.9	-15.5	-15.2	-15.2	-15.1	-16.4	-19.7
H10	-24.9	-24.9	-24.9	-21.2	-16.1	-12.6	-12.2	-11.9	-11.8	-11.8	-13.1	-16.4
H11	-27.6	-27.6	-27.6	-23.8	-18.7	-15.3	-14.9	-14.7	-14.7	-14.6	-15.9	-19.1
H12	-27.0	-27.0	-27.0	-23.3	-18.2	-14.8	-14.4	-14.1	-14.1	-14.1	-15.3	-18.6
H13	-26.4	-26.4	-26.4	-22.7	-17.5	-14.1	-13.7	-13.4	-13.4	-13.4	-14.6	-17.9
H14	-27.4	-27.4	-27.4	-23.7	-18.6	-15.3	-14.9	-14.7	-14.6	-14.6	-15.8	-19.0
H16	-27.9	-27.9	-27.9	-24.1	-19.0	-15.6	-15.2	-14.9	-14.8	-14.8	-16.1	-19.4
H22	-20.5	-20.5	-20.5	-16.8	-11.7	-8.4	-8.0	-7.9	-7.8	-9.3	-12.4	-15.7
H24	-22.2	-22.2	-22.2	-18.5	-13.4	-10.1	-9.8	-9.7	-9.6	-11.1	-14.3	-17.5
H27	-16.6	-16.6	-16.6	-12.9	-7.8	-4.5	-4.1	-4.0	-3.8	-3.8	-3.8	-4.5
H33	-22.0	-22.0	-22.0	-18.3	-13.2	-10.0	-9.7	-9.6	-9.6	-9.6	-12.1	-15.8
H34	-25.4	-25.4	-25.4	-21.7	-16.6	-13.2	-12.8	-12.6	-12.5	-12.5	-13.7	-17.0
H39	-22.7	-22.7	-22.7	-19.0	-13.9	-10.7	-10.4	-10.3	-10.3	-10.3	-12.8	-16.4
H45	-20.3	-20.3	-20.3	-16.6	-11.6	-8.5	-8.2	-8.2	-8.2	-8.8	-11.4	-15.0
H49	-18.5	-18.5	-18.5	-14.8	-9.7	-6.4	-6.1	-6.0	-5.9	-5.9	-5.8	-6.6
H52	-22.0	-22.0	-22.0	-18.3	-13.2	-10.0	-9.7	-9.6	-9.6	-11.0	-14.0	-17.2
H91	-21.5	-21.5	-21.5	-17.8	-12.7	-9.4	-9.1	-9.0	-8.9	-10.5	-13.6	-16.9
H94	-18.5	-18.5	-18.5	-14.8	-9.6	-6.2	-5.8	-5.7	-5.5	-7.1	-10.3	-13.6
H158	-34.0	-34.0	-34.0	-30.3	-25.2	-21.9	-21.5	-21.4	-21.4	-21.3	-21.4	-23.1
H162	-30.5	-30.5	-30.5	-26.8	-21.7	-18.4	-18.1	-17.9	-17.8	-17.8	-19.0	-22.2
H164	-29.2	-29.2	-29.2	-25.4	-20.3	-16.9	-16.5	-16.3	-16.3	-16.3	-17.5	-20.8
H165	-28.7	-28.7	-28.7	-25.0	-19.9	-16.5	-16.1	-15.9	-15.8	-15.8	-17.1	-20.3
H168	-22.3	-22.3	-22.3	-18.5	-13.3	-9.9	-9.5	-9.3	-9.1	-10.8	-14.1	-17.5
H173	-20.0	-20.0	-20.0	-16.3	-11.3	-8.2	-7.9	-7.9	-7.9	-8.5	-11.2	-14.7
H209	-16.5	-16.5	-16.5	-12.8	-7.7	-4.3	-3.9	-3.8	-3.7	-3.7	-3.6	-4.4
H222	-22.4	-22.4	-22.4	-18.7	-13.6	-10.4	-10.0	-10.0	-9.9	-9.9	-12.5	-16.1
H224	-18.9	-18.9	-18.9	-15.2	-10.1	-6.8	-6.5	-6.4	-6.4	-6.4	-6.3	-7.1

Table 11.11.25 Margins for Enercon Option for 0 Degree Sector - Day

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	-27.4	-27.4	-27.4	-20.5	-14.6	-14.5	-20.8	-22.9	-26.5	-29.6	-32.3	-35.0
H2	-27.9	-27.9	-27.9	-21.5	-18.5	-19.2	-22.1	-24.0	-27.0	-29.9	-32.7	-35.6
H3	-25.3	-25.3	-25.3	-18.9	-15.6	-15.1	-15.7	-12.9	-13.8	-12.7	-17.5	-21.0
H4	-24.2	-24.2	-24.2	-17.8	-14.5	-11.3	-8.9	-9.1	-15.1	-18.1	-20.5	-22.4
H5	-21.7	-21.7	-21.7	-15.3	-12.0	-9.3	-7.3	-7.3	-12.7	-15.7	-18.0	-19.9
H6	-18.6	-19.1	-19.9	-13.7	-9.7	-5.6	-3.3	0.7	-5.3	-11.6	-17.1	-17.1
H10	-15.4	-15.9	-16.7	-10.6	-6.7	-3.1	-1.1	4.0	-2.9	-8.6	-14.0	-14.0
H11	-17.3	-17.8	-18.6	-12.5	-8.9	-6.0	-4.4	-1.6	-6.0	-10.9	-16.0	-16.0
H12	-16.9	-17.4	-18.2	-12.1	-8.5	-5.5	-3.9	-0.9	-5.5	-10.5	-15.6	-15.6
H13	-16.5	-17.0	-17.8	-11.7	-7.9	-4.8	-3.1	0.5	-4.8	-9.9	-15.1	-15.1
H14	-17.2	-17.7	-18.5	-12.4	-8.8	-6.1	-4.7	-2.5	-6.2	-10.9	-15.9	-15.9
H16	-17.5	-18.0	-18.8	-12.7	-8.9	-5.7	-4.0	-0.2	-5.6	-10.9	-16.1	-16.1
H22	-12.3	-12.3	-12.6	-7.4	-4.1	-4.1	-5.1	-6.4	-9.0	-12.3	-16.2	-16.2
H24	-15.2	-15.2	-15.5	-9.3	-6.1	-6.4	-7.6	-9.2	-11.8	-15.2	-19.1	-19.1
H27	-9.1	-9.1	-9.1	-2.7	0.6	1.6	2.6	4.3	4.6	-0.2	-4.0	-3.9
H33	-15.1	-15.1	-15.1	-8.7	-5.4	-4.4	-3.7	-3.8	-7.2	-11.3	-16.0	-16.0
H34	-15.6	-16.1	-16.9	-10.8	-7.1	-4.0	-2.3	0.6	-4.1	-9.1	-14.3	-14.3
H39	-15.6	-15.6	-15.6	-9.2	-5.9	-4.9	-4.2	-4.6	-7.8	-12.0	-16.6	-16.6
H45	-11.5	-11.5	-11.8	-6.6	-4.5	-4.8	-5.4	-6.5	-7.6	-11.1	-15.2	-15.2
H49	-11.0	-11.0	-11.0	-4.6	-1.3	-0.3	0.6	1.0	1.1	-2.6	-6.2	-6.1
H52	-14.8	-14.8	-15.1	-9.8	-6.6	-6.9	-7.8	-9.2	-11.6	-14.9	-18.7	-18.7
H91	-14.6	-14.6	-14.8	-8.3	-5.1	-5.6	-6.9	-8.5	-11.1	-14.6	-18.4	-18.4
H94	-10.8	-10.8	-11.1	-5.9	-2.3	-2.1	-3.2	-4.7	-7.3	-10.8	-14.7	-14.7
H158	-24.4	-24.4	-24.4	-18.0	-14.7	-12.4	-10.5	-10.8	-15.7	-18.5	-20.8	-22.7
H162	-20.3	-20.8	-21.6	-15.5	-12.0	-9.2	-7.7	-4.9	-9.2	-14.0	-19.1	-19.1
H164	-19.4	-19.9	-20.7	-14.6	-10.7	-7.1	-5.1	0.0	-6.9	-12.6	-18.0	-18.0
H165	-19.0	-19.5	-20.3	-14.2	-10.3	-6.7	-4.7	0.4	-6.5	-12.2	-17.6	-17.6
H168	-13.7	-13.7	-14.0	-7.6	-3.7	-3.9	-5.5	-7.2	-10.0	-13.5	-17.5	-17.5
H173	-11.3	-11.3	-11.6	-6.4	-4.3	-4.6	-5.2	-6.3	-7.4	-10.9	-15.0	-15.0
H209	-8.9	-8.9	-8.9	-2.5	0.8	1.8	2.8	4.5	4.9	0.0	-3.9	-3.8
H222	-15.3	-15.3	-15.3	-8.9	-5.6	-4.6	-3.9	-4.0	-7.4	-11.6	-16.3	-16.3
H224	-11.4	-11.4	-11.4	-5.0	-1.7	-0.7	0.2	0.5	0.3	-3.2	-6.7	-6.6

Table 11.11.26 Margins for Enercon Option for 30 Degree Sector - Day

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	-24.0	-24.0	-24.0	-16.4	-10.9	-10.7	-16.2	-18.8	-22.8	-26.1	-28.9	-31.6
H2	-24.5	-24.5	-24.5	-18.1	-14.2	-14.3	-17.5	-19.7	-23.2	-26.3	-29.2	-32.1
H3	-21.7	-21.7	-21.7	-15.3	-12.0	-11.5	-12.1	-9.3	-9.1	-9.2	-12.0	-16.7
H4	-20.0	-20.0	-20.0	-13.6	-10.3	-6.2	-0.9	-1.6	-9.8	-13.4	-16.0	-18.0
H5	-17.8	-17.8	-17.8	-11.4	-8.1	-5.1	-0.8	-1.5	-8.1	-11.4	-13.9	-15.8
H6	-15.5	-16.0	-16.8	-10.4	-6.4	-2.3	3.2	3.4	-0.2	-8.1	-13.9	-13.9
H10	-13.5	-14.0	-14.8	-8.6	-4.6	-0.9	2.9	5.9	0.3	-6.4	-12.0	-12.0
H11	-14.9	-15.4	-16.2	-10.1	-6.3	-3.4	-0.9	2.2	-2.8	-8.2	-13.5	-13.5
H12	-14.6	-15.1	-15.9	-9.8	-5.9	-3.0	-0.3	3.1	-2.3	-7.9	-13.2	-13.2
H13	-14.3	-14.8	-15.6	-9.4	-5.5	-2.4	0.5	4.9	-1.6	-7.4	-12.8	-12.8
H14	-14.8	-15.3	-16.1	-10.0	-6.3	-3.7	-1.4	0.8	-3.2	-8.3	-13.5	-13.4
H16	-15.0	-15.5	-16.3	-10.2	-6.4	-3.5	-0.8	2.9	-2.7	-8.3	-13.6	-13.6
H22	-12.3	-12.3	-12.6	-7.4	-4.1	-4.2	-5.1	-6.5	-9.0	-12.3	-16.2	-16.2
H24	-15.2	-15.2	-15.5	-9.3	-6.1	-6.5	-7.6	-9.2	-11.8	-15.2	-19.1	-19.1
H27	-9.5	-9.5	-9.5	-3.1	0.2	1.2	2.1	3.7	4.2	-0.6	-4.5	-4.4
H33	-17.5	-17.5	-17.5	-11.1	-7.8	-6.8	-6.1	-7.1	-10.1	-14.0	-18.6	-18.6
H34	-13.9	-14.4	-15.2	-9.1	-5.3	-2.4	0.2	3.2	-1.8	-7.3	-12.6	-12.5
H39	-17.6	-17.6	-17.6	-11.2	-7.9	-6.9	-6.2	-6.9	-10.0	-13.9	-18.6	-18.6
H45	-11.4	-11.4	-11.7	-6.5	-4.4	-4.7	-5.3	-6.4	-7.5	-11.0	-15.1	-15.1
H49	-11.5	-11.5	-11.5	-5.1	-1.8	-0.8	0.1	0.4	0.6	-3.2	-6.7	-6.7
H52	-14.8	-14.8	-15.1	-9.9	-6.7	-7.0	-7.9	-9.2	-11.6	-14.9	-18.7	-18.7
H91	-14.6	-14.6	-14.8	-8.3	-5.1	-5.7	-6.9	-8.5	-11.1	-14.6	-18.4	-18.4
H94	-10.8	-10.8	-11.1	-5.9	-2.3	-2.2	-3.2	-4.7	-7.3	-10.8	-14.7	-14.7
H158	-20.2	-20.2	-20.2	-13.8	-10.5	-7.2	-2.6	-3.5	-10.4	-13.7	-16.2	-18.2
H162	-16.7	-17.2	-18.0	-11.9	-8.1	-5.4	-2.9	0.2	-4.7	-10.1	-15.4	-15.3
H164	-16.0	-16.5	-17.3	-11.0	-7.1	-3.5	0.5	3.3	-2.1	-8.9	-14.5	-14.5
H165	-15.8	-16.3	-17.1	-10.8	-6.8	-3.2	0.9	3.5	-1.7	-8.6	-14.3	-14.2
H168	-13.5	-13.5	-13.8	-7.4	-3.5	-3.8	-5.4	-7.1	-9.8	-13.4	-17.4	-17.3
H173	-11.2	-11.2	-11.5	-6.3	-4.2	-4.5	-5.1	-6.2	-7.3	-10.8	-14.9	-14.9
H209	-9.3	-9.3	-9.3	-2.9	0.4	1.4	2.4	4.0	4.4	-0.4	-4.3	-4.2
H222	-17.0	-17.0	-17.0	-10.6	-7.3	-6.3	-5.6	-6.4	-9.4	-13.4	-18.0	-18.0
H224	-11.8	-11.8	-11.8	-5.4	-2.1	-1.1	-0.2	0.1	-0.1	-3.7	-7.1	-7.1

Table 11.11.27 Margins for Enercon Option for 60 Degree Sector - Day

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	-19.6	-19.6	-19.6	-11.6	-5.8	-5.3	-11.0	-14.0	-18.5	-22.0	-24.8	-27.6
H2	-20.5	-20.5	-20.5	-13.8	-9.3	-9.3	-12.6	-15.1	-18.9	-22.2	-25.1	-28.1
H3	-18.2	-18.2	-18.2	-11.8	-8.5	-8.0	-8.6	-5.8	-5.6	-5.7	-8.1	-13.0
H4	-17.6	-17.6	-17.6	-11.2	-7.9	-4.1	1.5	0.8	-7.2	-10.9	-13.6	-15.6
H5	-16.7	-16.7	-16.7	-10.3	-7.0	-4.4	0.6	-0.2	-6.9	-10.3	-12.8	-14.7
H6	-14.8	-15.3	-16.1	-9.7	-5.7	-2.1	4.1	4.1	0.6	-7.4	-13.2	-13.2
H10	-13.3	-13.8	-14.6	-8.3	-4.4	-1.0	3.4	6.1	0.7	-6.1	-11.7	-11.7
H11	-14.6	-15.1	-15.9	-9.8	-6.0	-3.3	-0.5	2.8	-2.4	-7.9	-13.2	-13.2
H12	-14.3	-14.8	-15.6	-9.5	-5.7	-2.9	0.1	3.8	-1.9	-7.6	-12.9	-12.9
H13	-14.0	-14.5	-15.3	-9.1	-5.3	-2.3	1.0	5.4	-1.2	-7.1	-12.6	-12.5
H14	-14.5	-15.0	-15.8	-9.7	-6.0	-3.5	-1.0	1.3	-2.9	-8.0	-13.2	-13.1
H16	-14.7	-15.2	-16.0	-9.9	-6.2	-3.4	-0.4	3.5	-2.3	-8.0	-13.3	-13.3
H22	-12.3	-12.3	-12.6	-7.4	-4.3	-4.4	-5.2	-6.5	-9.0	-12.3	-16.2	-16.2
H24	-15.2	-15.2	-15.5	-9.4	-6.2	-6.6	-7.7	-9.2	-11.8	-15.2	-19.1	-19.1
H27	-10.1	-10.1	-10.1	-3.7	-0.4	0.6	1.5	1.8	1.4	-2.1	-5.5	-5.4
H33	-20.4	-20.4	-20.4	-14.0	-10.7	-9.7	-9.0	-10.3	-13.1	-16.9	-21.5	-21.5
H34	-13.7	-14.2	-15.0	-8.9	-5.0	-2.2	0.6	3.8	-1.4	-7.0	-12.3	-12.2
H39	-21.1	-21.1	-21.1	-14.7	-11.4	-10.4	-9.7	-11.0	-13.8	-17.6	-22.2	-22.2
H45	-11.4	-11.4	-11.7	-6.5	-4.4	-4.7	-5.3	-6.4	-7.5	-11.0	-15.1	-15.1
H49	-12.9	-12.9	-12.9	-6.5	-3.2	-2.2	-1.3	-1.0	-2.0	-5.1	-8.4	-8.4
H52	-15.1	-15.1	-15.4	-10.2	-7.1	-7.4	-8.2	-9.5	-11.9	-15.2	-19.0	-19.0
H91	-14.6	-14.6	-14.8	-8.3	-5.2	-5.7	-6.9	-8.5	-11.1	-14.6	-18.5	-18.4
H94	-10.8	-10.8	-11.1	-5.9	-2.4	-2.4	-3.3	-4.8	-7.4	-10.8	-14.7	-14.7
H158	-17.7	-17.7	-17.7	-11.3	-8.0	-5.0	0.6	-0.5	-7.8	-11.3	-13.8	-15.7
H162	-15.9	-16.4	-17.2	-11.1	-7.3	-4.7	-2.0	1.2	-3.9	-9.2	-14.5	-14.5
H164	-15.2	-15.7	-16.5	-10.2	-6.3	-3.1	1.4	4.0	-1.2	-8.1	-13.7	-13.7
H165	-15.0	-15.5	-16.3	-10.0	-6.1	-2.8	1.9	4.2	-0.9	-7.9	-13.5	-13.5
H168	-13.5	-13.5	-13.8	-7.4	-3.5	-3.9	-5.3	-7.1	-9.8	-13.4	-17.4	-17.3
H173	-11.2	-11.2	-11.5	-6.3	-4.2	-4.5	-5.1	-6.2	-7.3	-10.8	-14.9	-14.9
H209	-9.9	-9.9	-9.9	-3.5	-0.2	0.8	1.7	2.0	1.6	-1.9	-5.3	-5.2
H222	-20.2	-20.2	-20.2	-13.8	-10.5	-9.5	-8.8	-10.2	-13.0	-16.8	-21.3	-21.3
H224	-13.0	-13.0	-13.0	-6.6	-3.3	-2.3	-1.4	-1.1	-2.3	-5.3	-8.5	-8.5

Table 11.11.28 Margins for Enercon Option for 90 Degree Sector - Day

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	-17.8	-17.8	-17.8	-9.6	-3.0	-3.3	-9.3	-12.5	-17.1	-20.6	-23.5	-26.2
H2	-19.2	-19.2	-19.2	-12.0	-7.1	-7.1	-11.0	-13.7	-17.6	-20.9	-23.9	-26.9
H3	-17.7	-17.7	-17.7	-11.3	-8.0	-7.5	-8.1	-5.3	-5.1	-5.2	-7.5	-12.5
H4	-17.6	-17.6	-17.6	-11.2	-7.9	-4.0	1.5	0.8	-7.2	-10.9	-13.6	-15.6
H5	-16.7	-16.7	-16.7	-10.3	-7.0	-4.3	0.8	0.0	-6.9	-10.3	-12.8	-14.7
H6	-14.8	-15.3	-16.1	-9.6	-5.7	-1.9	4.3	4.1	0.8	-7.3	-13.2	-13.2
H10	-13.3	-13.8	-14.6	-8.3	-4.3	-0.9	3.5	6.1	0.8	-6.1	-11.7	-11.7
H11	-14.6	-15.1	-15.9	-9.8	-6.0	-3.2	-0.3	3.1	-2.3	-7.9	-13.2	-13.2
H12	-14.3	-14.8	-15.6	-9.5	-5.6	-2.8	0.3	4.2	-1.8	-7.5	-12.9	-12.9
H13	-14.0	-14.5	-15.3	-9.1	-5.2	-2.2	1.2	5.4	-1.1	-7.1	-12.6	-12.5
H14	-14.5	-15.0	-15.8	-9.7	-6.0	-3.4	-0.9	1.4	-2.8	-8.0	-13.2	-13.1
H16	-14.7	-15.2	-16.0	-9.9	-6.1	-3.3	-0.3	3.7	-2.2	-7.9	-13.3	-13.3
H22	-12.3	-12.3	-12.6	-7.4	-4.5	-4.6	-5.4	-6.7	-9.1	-12.4	-16.2	-16.2
H24	-15.9	-15.9	-16.2	-10.3	-7.1	-7.6	-8.7	-10.1	-12.6	-16.0	-19.8	-19.8
H27	-11.3	-11.3	-11.3	-4.9	-1.6	-0.6	0.3	0.6	-1.0	-3.8	-7.0	-7.0
H33	-21.7	-21.7	-21.7	-15.3	-12.0	-11.0	-10.3	-11.8	-14.5	-18.3	-22.8	-22.8
H34	-13.7	-14.2	-15.0	-8.8	-5.0	-2.1	0.8	4.1	-1.3	-6.9	-12.3	-12.2
H39	-23.2	-23.2	-23.2	-16.8	-13.5	-12.5	-11.8	-13.3	-16.1	-19.8	-24.3	-24.3
H45	-11.4	-11.4	-11.7	-6.5	-4.4	-4.7	-5.3	-6.4	-7.6	-11.1	-15.1	-15.1
H49	-15.2	-15.2	-15.2	-8.8	-5.5	-4.5	-3.6	-3.3	-5.1	-7.8	-10.9	-10.9
H52	-16.2	-16.2	-16.5	-11.3	-8.5	-8.9	-9.6	-10.9	-13.2	-16.4	-20.2	-20.1
H91	-16.0	-16.0	-16.3	-10.0	-7.0	-7.6	-8.7	-10.2	-12.7	-16.0	-19.9	-19.9
H94	-11.0	-11.0	-11.3	-6.1	-2.8	-2.8	-3.7	-5.1	-7.6	-11.0	-14.9	-14.9
H158	-17.7	-17.7	-17.7	-11.3	-8.0	-4.9	0.8	-0.3	-7.8	-11.2	-13.8	-15.7
H162	-15.9	-16.4	-17.2	-11.1	-7.3	-4.7	-1.9	1.4	-3.8	-9.2	-14.5	-14.5
H164	-15.2	-15.7	-16.5	-10.2	-6.3	-3.0	1.6	4.0	-1.1	-8.1	-13.7	-13.7
H165	-15.0	-15.5	-16.3	-10.0	-6.1	-2.7	2.0	4.2	-0.8	-7.8	-13.5	-13.5
H168	-13.5	-13.5	-13.8	-7.4	-3.6	-3.9	-5.4	-7.1	-9.8	-13.4	-17.4	-17.3
H173	-11.2	-11.2	-11.5	-6.3	-4.2	-4.5	-5.1	-6.2	-7.4	-10.9	-14.9	-14.9
H209	-11.1	-11.1	-11.1	-4.7	-1.4	-0.4	0.5	0.8	-0.7	-3.6	-6.7	-6.7
H222	-22.2	-22.2	-22.2	-15.8	-12.5	-11.5	-10.8	-12.3	-15.0	-18.8	-23.3	-23.3
H224	-15.6	-15.6	-15.6	-9.2	-5.9	-4.9	-4.0	-3.7	-5.4	-8.2	-11.3	-11.3

Table 11.11.29 Margins for Enercon Option for 120 Degree Sector - Day

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	-17.2	-17.2	-17.2	-8.6	-1.5	-3.3	-8.7	-12.3	-17.0	-20.5	-23.5	-26.2
H2	-19.2	-19.2	-19.2	-12.0	-7.1	-7.1	-11.0	-13.7	-17.6	-20.9	-23.9	-26.9
H3	-17.7	-17.7	-17.7	-11.3	-8.0	-7.5	-8.1	-5.3	-5.1	-5.2	-7.5	-12.5
H4	-17.6	-17.6	-17.6	-11.2	-7.9	-4.0	1.5	0.8	-7.2	-10.9	-13.6	-15.6
H5	-16.7	-16.7	-16.7	-10.3	-7.0	-4.3	0.8	0.0	-6.9	-10.3	-12.8	-14.7
H6	-14.8	-15.3	-16.1	-9.9	-6.0	-2.7	2.1	4.4	-0.3	-7.5	-13.2	-13.2
H10	-13.3	-13.8	-14.6	-8.4	-4.5	-1.3	2.4	6.1	0.0	-6.3	-11.8	-11.7
H11	-14.6	-15.1	-15.9	-9.8	-6.1	-3.5	-0.8	2.1	-2.6	-8.0	-13.3	-13.2
H12	-14.3	-14.8	-15.6	-9.5	-5.8	-3.1	-0.2	3.0	-2.1	-7.6	-12.9	-12.9
H13	-14.0	-14.5	-15.3	-9.2	-5.4	-2.5	0.6	4.7	-1.4	-7.2	-12.6	-12.5
H14	-14.5	-15.0	-15.8	-9.7	-6.1	-3.7	-1.3	0.9	-3.0	-8.0	-13.2	-13.2
H16	-14.7	-15.2	-16.0	-9.9	-6.3	-3.6	-0.6	2.8	-2.4	-8.0	-13.3	-13.3
H22	-12.9	-12.9	-13.2	-8.0	-5.4	-5.6	-6.3	-7.5	-9.9	-13.1	-16.8	-16.8
H24	-19.4	-19.4	-19.7	-14.0	-11.0	-11.6	-12.5	-13.9	-16.3	-19.6	-23.3	-23.3
H27	-12.4	-12.4	-12.4	-6.0	-2.7	-1.7	-0.8	-0.5	-2.3	-5.0	-8.1	-8.1
H33	-21.8	-21.8	-21.8	-15.4	-12.1	-11.1	-10.4	-11.9	-14.6	-18.4	-22.9	-22.9
H34	-13.7	-14.2	-15.0	-8.9	-5.1	-2.5	0.1	2.6	-1.8	-7.1	-12.3	-12.3
H39	-23.7	-23.7	-23.7	-17.3	-14.0	-13.0	-12.3	-13.8	-16.5	-20.3	-24.8	-24.8
H45	-11.8	-11.8	-12.1	-6.9	-4.8	-5.1	-5.7	-6.8	-8.3	-11.6	-15.6	-15.6
H49	-16.5	-16.5	-16.5	-10.1	-6.8	-5.8	-4.9	-4.6	-6.5	-9.2	-12.3	-12.3
H52	-19.9	-19.9	-20.2	-15.0	-12.3	-12.7	-13.4	-14.6	-16.9	-20.1	-23.8	-23.8
H91	-19.7	-19.7	-20.0	-13.9	-11.0	-11.7	-12.7	-14.1	-16.6	-19.8	-23.6	-23.6
H94	-11.6	-11.6	-11.9	-6.7	-4.1	-4.3	-5.0	-6.2	-8.5	-11.8	-15.5	-15.5
H158	-17.7	-17.7	-17.7	-11.3	-8.0	-4.9	0.8	-0.3	-7.8	-11.2	-13.8	-15.7
H162	-15.9	-16.4	-17.2	-11.1	-7.4	-4.9	-2.2	0.6	-4.0	-9.3	-14.5	-14.5
H164	-15.2	-15.7	-16.5	-10.4	-6.6	-3.6	0.1	4.2	-1.9	-8.3	-13.8	-13.7
H165	-15.0	-15.5	-16.3	-10.2	-6.4	-3.3	0.6	4.4	-1.6	-8.0	-13.5	-13.5
H168	-13.7	-13.7	-14.0	-8.0	-4.3	-4.7	-6.0	-7.5	-10.1	-13.6	-17.5	-17.5
H173	-11.6	-11.6	-11.9	-6.7	-4.6	-4.9	-5.5	-6.6	-8.0	-11.4	-15.4	-15.3
H209	-12.1	-12.1	-12.1	-5.7	-2.4	-1.4	-0.5	-0.2	-2.0	-4.7	-7.8	-7.8
H222	-22.7	-22.7	-22.7	-16.3	-13.0	-12.0	-11.3	-12.8	-15.5	-19.3	-23.8	-23.8
H224	-17.4	-17.4	-17.4	-11.0	-7.7	-6.7	-5.8	-5.5	-7.4	-10.1	-13.1	-13.1

Table 11.11.30 Margins for Enercon Option for 150 Degree Sector - Day

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	-17.2	-17.2	-17.2	-8.6	-1.5	-3.3	-8.7	-12.3	-17.0	-20.5	-23.5	-26.2
H2	-19.2	-19.2	-19.2	-12.0	-7.1	-7.1	-11.0	-13.7	-17.6	-20.9	-23.9	-26.9
H3	-17.7	-17.7	-17.7	-11.3	-8.0	-7.5	-8.1	-5.3	-5.1	-5.2	-7.6	-12.5
H4	-17.6	-17.6	-17.6	-11.2	-7.9	-5.0	0.2	-0.8	-7.8	-11.2	-13.7	-15.7
H5	-16.7	-16.7	-16.7	-10.3	-7.0	-5.5	-2.2	-2.9	-7.6	-10.7	-12.9	-14.8
H6	-14.8	-15.3	-16.1	-10.0	-6.3	-3.7	-1.0	1.9	-2.8	-8.1	-13.4	-13.4
H10	-13.3	-13.8	-14.6	-8.5	-4.8	-2.6	-0.7	0.4	-2.5	-7.0	-12.0	-12.0
H11	-14.6	-15.1	-15.9	-9.8	-6.4	-4.5	-2.9	-2.0	-4.5	-8.6	-13.5	-13.4
H12	-14.3	-14.8	-15.6	-9.5	-6.1	-4.1	-2.5	-1.6	-4.1	-8.3	-13.1	-13.1
H13	-14.0	-14.5	-15.3	-9.2	-5.7	-3.6	-1.9	-1.0	-3.6	-7.9	-12.8	-12.8
H14	-14.5	-15.0	-15.8	-9.7	-6.4	-4.5	-3.0	-2.2	-4.5	-8.6	-13.4	-13.3
H16	-14.7	-15.2	-16.0	-9.9	-6.6	-4.7	-3.1	-2.2	-4.6	-8.7	-13.6	-13.5
H22	-14.5	-14.5	-14.8	-9.6	-7.3	-7.5	-8.2	-9.3	-11.6	-14.7	-18.5	-18.5
H24	-22.7	-22.7	-23.0	-17.4	-14.4	-15.0	-15.9	-17.3	-19.7	-22.9	-26.7	-26.7
H27	-12.6	-12.6	-12.6	-6.2	-2.9	-1.9	-1.0	-0.7	-2.5	-5.3	-8.3	-8.3
H33	-20.7	-20.7	-20.7	-14.3	-11.0	-10.0	-9.3	-10.7	-13.5	-17.2	-21.7	-21.7
H34	-13.7	-14.2	-15.0	-8.9	-5.4	-3.4	-1.8	-0.9	-3.4	-7.6	-12.5	-12.4
H39	-22.7	-22.7	-22.7	-16.3	-13.0	-12.0	-11.3	-12.7	-15.5	-19.2	-23.7	-23.7
H45	-12.5	-12.5	-12.8	-7.6	-5.5	-5.8	-6.4	-7.5	-9.3	-12.5	-16.4	-16.4
H49	-16.6	-16.6	-16.6	-10.2	-6.9	-5.9	-5.0	-4.7	-6.7	-9.3	-12.4	-12.4
H52	-22.2	-22.2	-22.5	-17.3	-14.6	-15.0	-15.7	-17.0	-19.2	-22.4	-26.1	-26.1
H91	-22.4	-22.4	-22.7	-16.7	-13.8	-14.5	-15.4	-16.9	-19.3	-22.5	-26.3	-26.3
H94	-13.2	-13.2	-13.5	-8.3	-6.0	-6.2	-6.9	-8.1	-10.3	-13.5	-17.2	-17.2
H158	-17.7	-17.7	-17.7	-11.3	-8.0	-5.8	-2.0	-2.8	-8.3	-11.5	-13.9	-15.8
H162	-15.9	-16.4	-17.2	-11.1	-7.7	-5.7	-3.8	-2.4	-5.3	-9.7	-14.7	-14.6
H164	-15.2	-15.7	-16.5	-10.4	-6.9	-4.5	-2.2	-0.1	-3.8	-8.8	-13.9	-13.9
H165	-15.0	-15.5	-16.3	-10.2	-6.7	-4.2	-1.8	0.4	-3.5	-8.5	-13.7	-13.7
H168	-14.9	-14.9	-15.2	-9.7	-6.3	-6.7	-7.7	-9.1	-11.6	-14.9	-18.8	-18.8
H173	-12.3	-12.3	-12.6	-7.4	-5.3	-5.6	-6.2	-7.3	-9.1	-12.2	-16.1	-16.1
H209	-12.3	-12.3	-12.3	-5.9	-2.6	-1.6	-0.7	-0.4	-2.2	-4.9	-8.0	-8.0
H222	-21.7	-21.7	-21.7	-15.3	-12.0	-11.0	-10.3	-11.8	-14.5	-18.3	-22.8	-22.8
H224	-17.7	-17.7	-17.7	-11.3	-8.0	-7.0	-6.1	-5.8	-7.7	-10.4	-13.5	-13.4

Table 11.11.31 Margins for Enercon Option for 180 Degree Sector - Day

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	-18.1	-18.1	-18.1	-10.1	-3.4	-3.3	-5.1	-12.1	-17.1	-20.6	-23.5	-26.2
H2	-19.3	-19.3	-19.3	-12.4	-7.7	-7.6	-9.8	-13.6	-17.6	-20.9	-23.9	-26.9
H3	-17.7	-17.7	-17.7	-11.3	-8.0	-7.5	-8.1	-5.3	-5.1	-5.1	-8.9	-13.0
H4	-17.6	-17.6	-17.6	-11.2	-7.9	-7.0	-4.1	-5.6	-9.4	-12.0	-14.1	-15.9
H5	-16.8	-16.8	-16.8	-10.4	-7.1	-6.6	-5.0	-6.1	-9.1	-11.5	-13.4	-15.2
H6	-14.8	-15.3	-16.1	-10.0	-6.7	-5.1	-3.4	-2.8	-5.1	-9.0	-13.7	-13.7
H10	-13.6	-14.1	-14.9	-8.8	-5.5	-4.1	-2.7	-2.3	-4.3	-8.0	-12.6	-12.5
H11	-15.1	-15.6	-16.4	-10.3	-7.0	-5.8	-4.6	-4.2	-6.1	-9.6	-14.1	-14.1
H12	-14.8	-15.3	-16.1	-10.0	-6.7	-5.5	-4.2	-3.8	-5.7	-9.2	-13.8	-13.7
H13	-14.4	-14.9	-15.7	-9.6	-6.3	-5.0	-3.8	-3.4	-5.3	-8.8	-13.4	-13.4
H14	-15.1	-15.6	-16.4	-10.3	-7.0	-5.9	-4.7	-4.3	-6.2	-9.6	-14.1	-14.1
H16	-15.3	-15.8	-16.6	-10.5	-7.2	-6.2	-5.0	-4.6	-6.5	-9.8	-14.3	-14.3
H22	-17.0	-17.0	-17.3	-12.1	-9.8	-10.1	-10.7	-11.9	-14.1	-17.2	-21.0	-21.0
H24	-24.1	-24.1	-24.4	-18.8	-15.8	-16.4	-17.3	-18.6	-21.0	-24.2	-28.0	-28.0
H27	-12.2	-12.2	-12.2	-5.8	-2.5	-1.5	-0.6	-0.3	-2.0	-4.8	-7.9	-7.8
H33	-17.7	-17.7	-17.7	-11.3	-8.0	-7.0	-6.3	-7.6	-10.4	-14.3	-18.8	-18.8
H34	-14.4	-14.9	-15.7	-9.6	-6.3	-5.2	-4.0	-3.6	-5.5	-8.9	-13.4	-13.4
H39	-19.6	-19.6	-19.6	-13.2	-9.9	-8.9	-8.2	-9.5	-12.3	-16.1	-20.7	-20.7
H45	-14.4	-14.4	-14.7	-9.5	-7.4	-7.7	-8.3	-9.4	-11.2	-14.4	-18.2	-18.2
H49	-15.7	-15.7	-15.7	-9.3	-6.0	-5.0	-4.1	-3.8	-5.6	-8.4	-11.4	-11.4
H52	-22.8	-22.8	-23.1	-17.9	-15.2	-15.6	-16.3	-17.6	-19.9	-23.0	-26.8	-26.8
H91	-23.2	-23.2	-23.5	-17.5	-14.6	-15.3	-16.3	-17.7	-20.1	-23.4	-27.2	-27.2
H94	-14.6	-14.6	-14.9	-9.7	-7.4	-7.7	-8.3	-9.5	-11.7	-14.9	-18.6	-18.6
H158	-17.7	-17.7	-17.7	-11.3	-8.0	-7.4	-5.0	-6.3	-9.7	-12.2	-14.3	-16.1
H162	-16.0	-16.5	-17.3	-11.2	-7.9	-6.7	-5.3	-4.8	-6.9	-10.4	-15.0	-15.0
H164	-15.3	-15.8	-16.6	-10.5	-7.2	-5.7	-4.1	-3.6	-5.8	-9.5	-14.2	-14.2
H165	-15.1	-15.6	-16.4	-10.3	-7.0	-5.4	-3.8	-3.3	-5.6	-9.3	-14.0	-14.0
H168	-17.8	-17.8	-18.1	-12.8	-9.4	-9.8	-10.8	-12.2	-14.6	-17.9	-21.7	-21.7
H173	-14.0	-14.0	-14.3	-9.1	-7.0	-7.3	-7.9	-9.0	-10.9	-14.0	-17.9	-17.9
H209	-11.9	-11.9	-11.9	-5.5	-2.2	-1.2	-0.3	0.0	-1.7	-4.5	-7.6	-7.6
H222	-19.0	-19.0	-19.0	-12.6	-9.3	-8.3	-7.6	-8.8	-11.7	-15.5	-20.0	-20.0
H224	-16.8	-16.8	-16.8	-10.4	-7.1	-6.1	-5.2	-4.9	-6.7	-9.4	-12.5	-12.5

Table 11.11.32 Margins for Enercon Option for 210 Degree Sector - Day

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	-18.9	-18.9	-18.9	-11.3	-4.7	-3.8	-5.4	-13.4	-17.7	-21.0	-23.8	-26.5
H2	-19.5	-19.5	-19.5	-13.1	-8.9	-9.5	-11.4	-14.9	-18.3	-21.4	-24.2	-27.2
H3	-18.0	-18.0	-18.0	-11.6	-8.3	-7.8	-8.4	-7.4	-8.3	-7.0	-11.0	-14.1
H4	-18.8	-18.8	-18.8	-12.4	-9.1	-8.6	-7.8	-8.9	-11.6	-13.8	-15.7	-17.4
H5	-19.1	-19.1	-19.1	-12.7	-9.4	-8.9	-8.9	-9.8	-12.2	-14.3	-16.1	-17.8
H6	-17.0	-17.5	-18.3	-12.2	-8.9	-8.0	-6.9	-6.6	-8.4	-11.7	-16.1	-16.1
H10	-15.9	-16.4	-17.2	-11.1	-7.8	-6.9	-5.9	-5.6	-7.3	-10.5	-14.9	-14.9
H11	-18.1	-18.6	-19.4	-13.3	-10.0	-9.1	-8.3	-8.0	-9.7	-12.8	-17.2	-17.2
H12	-17.6	-18.1	-18.9	-12.8	-9.5	-8.6	-7.8	-7.5	-9.2	-12.3	-16.7	-16.7
H13	-17.1	-17.6	-18.4	-12.3	-9.0	-8.1	-7.2	-6.9	-8.6	-11.8	-16.2	-16.2
H14	-18.0	-18.5	-19.3	-13.2	-9.9	-9.0	-8.3	-8.0	-9.6	-12.7	-17.1	-17.1
H16	-18.3	-18.8	-19.6	-13.5	-10.2	-9.3	-8.6	-8.3	-10.0	-13.1	-17.4	-17.4
H22	-18.1	-18.1	-18.4	-13.2	-10.9	-11.2	-11.8	-13.0	-15.2	-18.4	-22.1	-22.1
H24	-23.8	-23.8	-24.1	-18.5	-15.5	-16.1	-17.0	-18.4	-20.8	-24.0	-27.8	-27.8
H27	-11.0	-11.0	-11.0	-4.6	-1.3	-0.3	0.6	0.9	-0.4	-3.4	-6.6	-6.6
H33	-15.0	-15.0	-15.0	-8.6	-5.3	-4.3	-3.6	-4.2	-7.3	-11.4	-16.0	-16.0
H34	-16.9	-17.4	-18.2	-12.1	-8.8	-7.9	-7.1	-6.8	-8.5	-11.6	-16.0	-15.9
H39	-16.4	-16.4	-16.4	-10.0	-6.7	-5.7	-5.0	-5.9	-8.9	-12.9	-17.5	-17.5
H45	-15.5	-15.5	-15.8	-10.6	-8.5	-8.8	-9.4	-10.5	-12.3	-15.5	-19.3	-19.3
H49	-13.6	-13.6	-13.6	-7.2	-3.9	-2.9	-2.0	-1.7	-3.3	-6.1	-9.3	-9.2
H52	-22.1	-22.1	-22.4	-17.2	-14.4	-14.8	-15.6	-16.8	-19.1	-22.3	-26.0	-26.0
H91	-22.7	-22.7	-23.0	-16.9	-14.0	-14.7	-15.7	-17.1	-19.6	-22.8	-26.6	-26.6
H94	-15.1	-15.1	-15.4	-10.2	-7.8	-8.1	-8.8	-9.9	-12.2	-15.3	-19.1	-19.1
H158	-19.0	-19.0	-19.0	-12.6	-9.3	-8.8	-8.3	-9.4	-11.9	-14.0	-15.9	-17.6
H162	-18.6	-19.1	-19.9	-13.8	-10.5	-9.6	-8.8	-8.5	-10.2	-13.4	-17.7	-17.7
H164	-17.7	-18.2	-19.0	-12.9	-9.6	-8.7	-7.7	-7.4	-9.1	-12.4	-16.8	-16.8
H165	-17.4	-17.9	-18.7	-12.6	-9.3	-8.4	-7.3	-7.1	-8.8	-12.1	-16.5	-16.5
H168	-19.9	-19.9	-20.2	-14.8	-11.5	-11.9	-12.9	-14.2	-16.7	-19.9	-23.8	-23.8
H173	-15.0	-15.0	-15.3	-10.1	-8.0	-8.3	-8.9	-10.0	-11.9	-15.0	-18.9	-18.9
H209	-10.8	-10.8	-10.8	-4.4	-1.1	-0.1	0.8	1.1	-0.2	-3.2	-6.4	-6.3
H222	-16.1	-16.1	-16.1	-9.7	-6.4	-5.4	-4.7	-5.3	-8.4	-12.5	-17.1	-17.1
H224	-14.7	-14.7	-14.7	-8.3	-5.0	-4.0	-3.1	-2.8	-4.4	-7.2	-10.3	-10.3

Table 11.11.33 Margins for Enercon Option for 240 Degree Sector - Day

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	-21.5	-21.5	-21.5	-14.7	-8.1	-7.6	-12.2	-16.9	-20.6	-23.7	-26.4	-29.1
H2	-22.1	-22.1	-22.1	-15.7	-12.3	-13.3	-15.7	-18.3	-21.3	-24.2	-27.0	-29.8
H3	-21.4	-21.4	-21.4	-15.0	-11.7	-11.2	-11.8	-12.1	-12.8	-11.8	-15.0	-17.8
H4	-23.2	-23.2	-23.2	-16.8	-13.5	-13.0	-12.8	-13.8	-16.3	-18.4	-20.2	-21.9
H5	-23.0	-23.0	-23.0	-16.6	-13.3	-12.8	-13.2	-14.1	-16.3	-18.3	-20.1	-21.7
H6	-20.0	-20.5	-21.3	-15.2	-11.9	-11.0	-10.1	-9.8	-11.5	-14.7	-19.1	-19.1
H10	-17.7	-18.2	-19.0	-12.9	-9.6	-8.7	-7.9	-7.6	-9.3	-12.4	-16.8	-16.8
H11	-20.6	-21.1	-21.9	-15.8	-12.5	-11.6	-11.0	-10.7	-12.4	-15.5	-19.8	-19.8
H12	-20.0	-20.5	-21.3	-15.2	-11.9	-11.0	-10.4	-10.1	-11.7	-14.8	-19.2	-19.1
H13	-19.3	-19.8	-20.6	-14.5	-11.2	-10.3	-9.7	-9.4	-11.0	-14.1	-18.5	-18.5
H14	-20.5	-21.0	-21.8	-15.7	-12.4	-11.5	-10.9	-10.7	-12.3	-15.4	-19.7	-19.7
H16	-21.0	-21.5	-22.3	-16.2	-12.9	-12.0	-11.4	-11.1	-12.7	-15.8	-20.1	-20.1
H22	-18.1	-18.1	-18.4	-13.2	-10.7	-11.0	-11.7	-12.9	-15.1	-18.3	-22.0	-22.0
H24	-21.8	-21.8	-22.1	-16.4	-13.4	-14.0	-14.9	-16.3	-18.7	-22.0	-25.8	-25.8
H27	-10.1	-10.1	-10.1	-3.7	-0.4	0.6	1.5	2.2	2.3	-1.7	-5.3	-5.2
H33	-14.5	-14.5	-14.5	-8.1	-4.8	-3.8	-3.1	-3.3	-6.6	-10.8	-15.5	-15.5
H34	-18.9	-19.4	-20.2	-14.1	-10.8	-9.9	-9.3	-9.0	-10.6	-13.7	-18.0	-18.0
H39	-15.3	-15.3	-15.3	-8.9	-5.6	-4.6	-3.9	-4.2	-7.5	-11.6	-16.3	-16.2
H45	-15.7	-15.7	-16.0	-10.8	-8.7	-9.0	-9.6	-10.7	-12.4	-15.6	-19.5	-19.5
H49	-11.9	-11.9	-11.9	-5.5	-2.2	-1.2	-0.3	0.0	-0.4	-3.8	-7.2	-7.2
H52	-19.6	-19.6	-19.9	-14.7	-11.8	-12.2	-13.0	-14.3	-16.6	-19.8	-23.5	-23.5
H91	-20.4	-20.4	-20.7	-14.5	-11.6	-12.3	-13.3	-14.8	-17.2	-20.5	-24.3	-24.3
H94	-14.8	-14.8	-15.1	-9.9	-7.4	-7.7	-8.3	-9.6	-11.9	-15.0	-18.8	-18.8
H158	-23.4	-23.4	-23.4	-17.0	-13.7	-13.2	-13.4	-14.3	-16.6	-18.6	-20.4	-22.1
H162	-22.3	-22.8	-23.6	-17.5	-14.2	-13.3	-12.7	-12.4	-14.0	-17.1	-21.4	-21.4
H164	-20.9	-21.4	-22.2	-16.1	-12.8	-11.9	-11.2	-10.9	-12.6	-15.7	-20.1	-20.1
H165	-20.5	-21.0	-21.8	-15.7	-12.4	-11.5	-10.8	-10.5	-12.2	-15.3	-19.6	-19.6
H168	-20.4	-20.4	-20.7	-15.3	-11.9	-12.3	-13.3	-14.7	-17.1	-20.4	-24.3	-24.3
H173	-15.2	-15.2	-15.5	-10.3	-8.2	-8.5	-9.1	-10.2	-11.9	-15.1	-19.0	-19.0
H209	-10.0	-10.0	-10.0	-3.6	-0.3	0.7	1.6	2.4	2.6	-1.5	-5.1	-5.0
H222	-14.9	-14.9	-14.9	-8.5	-5.2	-4.2	-3.5	-3.6	-7.0	-11.2	-15.9	-15.9
H224	-12.7	-12.7	-12.7	-6.3	-3.0	-2.0	-1.1	-0.8	-1.6	-4.9	-8.2	-8.1

Table 11.11.34 Margins for Enercon Option for 270 Degree Sector - Day

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	-25.9	-25.9	-25.9	-19.4	-12.9	-13.3	-17.7	-21.8	-25.2	-28.2	-30.9	-33.5
H2	-26.5	-26.5	-26.5	-20.1	-17.6	-18.6	-20.8	-23.1	-25.9	-28.7	-31.4	-34.3
H3	-25.2	-25.2	-25.2	-18.8	-15.5	-15.0	-15.6	-16.2	-16.8	-16.0	-19.0	-21.7
H4	-26.1	-26.1	-26.1	-19.7	-16.4	-15.9	-15.8	-16.7	-19.2	-21.3	-23.1	-24.8
H5	-25.1	-25.1	-25.1	-18.7	-15.4	-14.9	-15.3	-16.2	-18.4	-20.4	-22.2	-23.9
H6	-21.3	-21.8	-22.6	-16.5	-13.2	-12.3	-11.3	-11.0	-12.8	-16.0	-20.4	-20.4
H10	-18.3	-18.8	-19.6	-13.5	-10.2	-9.3	-8.4	-8.1	-9.9	-13.0	-17.4	-17.4
H11	-21.6	-22.1	-22.9	-16.8	-13.5	-12.6	-11.9	-11.6	-13.3	-16.4	-20.7	-20.7
H12	-20.9	-21.4	-22.2	-16.1	-12.8	-11.9	-11.2	-10.9	-12.6	-15.7	-20.0	-20.0
H13	-20.1	-20.6	-21.4	-15.3	-12.0	-11.1	-10.4	-10.1	-11.8	-14.9	-19.2	-19.2
H14	-21.5	-22.0	-22.8	-16.7	-13.4	-12.5	-11.8	-11.5	-13.2	-16.3	-20.6	-20.6
H16	-22.0	-22.5	-23.3	-17.2	-13.9	-13.0	-12.3	-12.0	-13.7	-16.8	-21.1	-21.1
H22	-17.0	-17.0	-17.3	-12.1	-9.3	-9.6	-10.3	-11.6	-13.9	-17.1	-20.9	-20.9
H24	-18.1	-18.1	-18.4	-12.5	-9.4	-9.8	-10.8	-12.4	-14.9	-18.2	-22.1	-22.0
H27	-9.3	-9.3	-9.3	-2.9	0.4	1.4	2.8	4.1	4.4	-0.4	-4.3	-4.2
H33	-14.5	-14.5	-14.5	-8.1	-4.8	-3.8	-3.1	-3.3	-6.6	-10.8	-15.5	-15.5
H34	-19.5	-20.0	-20.8	-14.7	-11.4	-10.5	-9.8	-9.5	-11.2	-14.3	-18.6	-18.6
H39	-15.3	-15.3	-15.3	-8.9	-5.6	-4.6	-3.9	-4.2	-7.5	-11.6	-16.3	-16.2
H45	-15.1	-15.1	-15.4	-10.2	-8.1	-8.4	-9.0	-10.1	-11.7	-15.0	-18.9	-18.9
H49	-11.0	-11.0	-11.0	-4.6	-1.3	-0.3	0.6	1.0	1.1	-2.7	-6.3	-6.2
H52	-16.7	-16.7	-17.0	-11.8	-8.6	-8.9	-9.7	-11.1	-13.5	-16.8	-20.6	-20.6
H91	-16.5	-16.5	-16.8	-10.4	-7.2	-7.8	-8.9	-10.6	-13.2	-16.6	-20.4	-20.4
H94	-13.7	-13.7	-14.0	-8.8	-6.0	-6.2	-6.9	-8.2	-10.6	-13.9	-17.6	-17.6
H158	-26.4	-26.4	-26.4	-20.0	-16.7	-16.2	-16.4	-17.2	-19.5	-21.6	-23.4	-25.0
H162	-24.0	-24.5	-25.3	-19.2	-15.9	-15.0	-14.4	-14.1	-15.8	-18.8	-23.1	-23.1
H164	-22.4	-22.9	-23.7	-17.6	-14.3	-13.4	-12.6	-12.3	-14.0	-17.2	-21.5	-21.5
H165	-22.0	-22.5	-23.3	-17.2	-13.9	-13.0	-12.1	-11.8	-13.6	-16.7	-21.1	-21.1
H168	-19.8	-19.8	-20.1	-14.4	-10.9	-11.4	-12.4	-13.9	-16.4	-19.8	-23.7	-23.7
H173	-14.7	-14.7	-15.0	-9.8	-7.7	-8.0	-8.6	-9.7	-11.3	-14.5	-18.5	-18.5
H209	-9.2	-9.2	-9.2	-2.8	0.5	1.5	3.0	4.3	4.7	-0.2	-4.1	-4.0
H222	-14.9	-14.9	-14.9	-8.5	-5.2	-4.2	-3.5	-3.6	-7.0	-11.2	-15.9	-15.9
H224	-11.5	-11.5	-11.5	-5.1	-1.8	-0.8	0.1	0.4	0.1	-3.4	-6.8	-6.8

Table 11.11.35 Margins for Enercon Option for 300 Degree Sector - Day

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	-28.2	-28.2	-28.2	-21.8	-16.3	-16.9	-20.5	-24.2	-27.6	-30.5	-33.2	-35.8
H2	-28.8	-28.8	-28.8	-22.4	-20.1	-21.1	-23.2	-25.4	-28.2	-30.9	-33.7	-36.5
H3	-26.9	-26.9	-26.9	-20.5	-17.2	-16.7	-17.3	-17.8	-18.4	-17.6	-20.7	-23.4
H4	-27.1	-27.1	-27.1	-20.7	-17.4	-16.9	-16.3	-17.4	-19.9	-22.1	-24.0	-25.7
H5	-25.5	-25.5	-25.5	-19.1	-15.8	-15.3	-15.3	-16.2	-18.6	-20.7	-22.5	-24.2
H6	-21.5	-22.0	-22.8	-16.7	-13.4	-12.0	-10.6	-10.3	-12.4	-15.9	-20.5	-20.5
H10	-18.2	-18.7	-19.5	-13.4	-10.1	-8.9	-7.4	-7.1	-9.2	-12.7	-17.2	-17.2
H11	-21.4	-21.9	-22.7	-16.6	-13.3	-12.3	-11.0	-10.7	-12.7	-16.0	-20.5	-20.5
H12	-20.7	-21.2	-22.0	-15.9	-12.6	-11.6	-10.3	-10.0	-12.0	-15.3	-19.8	-19.8
H13	-20.0	-20.5	-21.3	-15.2	-11.9	-10.8	-9.5	-9.2	-11.2	-14.5	-19.0	-19.0
H14	-21.3	-21.8	-22.6	-16.5	-13.2	-12.3	-11.1	-10.8	-12.7	-15.9	-20.4	-20.4
H16	-21.8	-22.3	-23.1	-17.0	-13.7	-12.7	-11.4	-11.1	-13.0	-16.4	-20.9	-20.9
H22	-14.8	-14.8	-15.1	-9.9	-6.8	-6.9	-7.7	-9.1	-11.5	-14.9	-18.7	-18.7
H24	-15.5	-15.5	-15.8	-9.6	-6.3	-6.7	-7.8	-9.5	-12.0	-15.5	-19.3	-19.3
H27	-9.1	-9.1	-9.1	-2.7	0.6	1.6	3.0	4.3	4.7	-0.2	-4.0	-3.9
H33	-14.5	-14.5	-14.5	-8.1	-4.8	-3.8	-3.1	-3.3	-6.6	-10.8	-15.5	-15.5
H34	-19.2	-19.7	-20.5	-14.4	-11.1	-10.1	-8.7	-8.5	-10.4	-13.8	-18.2	-18.2
H39	-15.3	-15.3	-15.3	-8.9	-5.6	-4.6	-3.9	-4.2	-7.5	-11.6	-16.3	-16.2
H45	-13.7	-13.7	-14.0	-8.8	-6.7	-7.0	-7.6	-8.7	-10.1	-13.4	-17.5	-17.5
H49	-11.0	-11.0	-11.0	-4.6	-1.3	-0.3	0.6	1.0	1.2	-2.6	-6.2	-6.1
H52	-14.8	-14.8	-15.1	-9.9	-6.6	-7.0	-7.8	-9.2	-11.6	-14.9	-18.7	-18.7
H91	-14.7	-14.7	-14.9	-8.4	-5.2	-5.7	-6.8	-8.6	-11.2	-14.7	-18.6	-18.6
H94	-12.3	-12.3	-12.6	-7.4	-3.8	-3.7	-4.7	-6.3	-8.9	-12.3	-16.2	-16.2
H158	-27.3	-27.3	-27.3	-20.9	-17.6	-17.1	-17.0	-17.9	-20.4	-22.4	-24.3	-26.0
H162	-24.2	-24.7	-25.5	-19.4	-16.1	-15.2	-14.1	-13.8	-15.7	-18.9	-23.3	-23.3
H164	-22.6	-23.1	-23.9	-17.8	-14.5	-13.3	-12.0	-11.6	-13.7	-17.1	-21.7	-21.7
H165	-22.1	-22.6	-23.4	-17.3	-14.0	-12.9	-11.5	-11.2	-13.2	-16.6	-21.2	-21.2
H168	-17.8	-17.8	-18.1	-11.9	-8.2	-8.5	-9.8	-11.5	-14.2	-17.7	-21.6	-21.6
H173	-13.4	-13.4	-13.7	-8.5	-6.4	-6.7	-7.3	-8.4	-9.7	-13.1	-17.2	-17.2
H209	-8.9	-8.9	-8.9	-2.5	0.8	1.8	3.3	4.6	4.9	0.0	-3.9	-3.8
H222	-14.9	-14.9	-14.9	-8.5	-5.2	-4.2	-3.5	-3.6	-7.0	-11.2	-15.9	-15.9
H224	-11.4	-11.4	-11.4	-5.0	-1.7	-0.7	0.2	0.5	0.3	-3.2	-6.7	-6.6

Table 11.11.36 Margins for Enercon Option for 330 Degree Sector - Day

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	-28.6	-28.6	-28.6	-22.2	-16.9	-17.0	-22.1	-24.6	-27.9	-30.9	-33.6	-36.2
H2	-29.1	-29.1	-29.1	-22.7	-20.4	-21.3	-23.7	-25.7	-28.5	-31.3	-34.0	-36.9
H3	-26.9	-26.9	-26.9	-20.5	-17.2	-16.7	-17.3	-17.0	-17.8	-16.8	-20.3	-23.2
H4	-26.5	-26.5	-26.5	-20.1	-16.8	-15.9	-14.5	-15.4	-18.7	-21.2	-23.2	-25.0
H5	-24.5	-24.5	-24.5	-18.1	-14.8	-14.2	-12.9	-13.8	-16.9	-19.2	-21.3	-23.0
H6	-20.7	-21.2	-22.0	-15.9	-12.4	-9.8	-8.2	-6.5	-10.2	-14.5	-19.5	-19.5
H10	-17.3	-17.8	-18.6	-12.5	-9.1	-6.3	-4.6	-2.7	-6.6	-11.1	-16.1	-16.1
H11	-20.1	-20.6	-21.4	-15.3	-12.0	-9.6	-8.2	-6.8	-9.9	-14.1	-18.9	-18.9
H12	-19.5	-20.0	-20.8	-14.7	-11.4	-9.0	-7.5	-6.1	-9.3	-13.5	-18.3	-18.3
H13	-18.9	-19.4	-20.2	-14.1	-10.7	-8.2	-6.7	-5.2	-8.5	-12.8	-17.7	-17.7
H14	-20.0	-20.5	-21.3	-15.2	-11.9	-9.8	-8.4	-7.3	-10.1	-14.1	-18.8	-18.8
H16	-20.4	-20.9	-21.7	-15.6	-12.3	-9.6	-8.1	-6.5	-9.9	-14.3	-19.2	-19.2
H22	-13.1	-13.1	-13.4	-8.2	-4.9	-4.9	-5.9	-7.3	-9.8	-13.2	-17.0	-17.0
H24	-15.2	-15.2	-15.5	-9.3	-6.0	-6.4	-7.6	-9.2	-11.8	-15.2	-19.1	-19.1
H27	-9.1	-9.1	-9.1	-2.7	0.6	1.6	2.7	4.3	4.6	-0.2	-4.0	-3.9
H33	-14.5	-14.5	-14.5	-8.1	-4.8	-3.8	-3.1	-3.3	-6.6	-10.8	-15.5	-15.5
H34	-17.9	-18.4	-19.2	-13.1	-9.8	-7.5	-6.0	-4.8	-7.8	-11.9	-16.7	-16.7
H39	-15.3	-15.3	-15.3	-8.9	-5.6	-4.6	-3.9	-4.2	-7.5	-11.6	-16.3	-16.2
H45	-12.6	-12.6	-12.9	-7.7	-5.6	-5.9	-6.5	-7.6	-8.7	-12.2	-16.3	-16.3
H49	-11.0	-11.0	-11.0	-4.6	-1.3	-0.3	0.6	1.0	1.1	-2.6	-6.2	-6.1
H52	-14.8	-14.8	-15.1	-9.8	-6.6	-6.9	-7.8	-9.2	-11.6	-14.9	-18.7	-18.7
H91	-14.6	-14.6	-14.8	-8.3	-5.0	-5.5	-6.8	-8.5	-11.1	-14.6	-18.4	-18.4
H94	-11.0	-11.0	-11.3	-6.1	-2.5	-2.3	-3.4	-4.9	-7.5	-11.0	-14.9	-14.9
H158	-26.8	-26.8	-26.8	-20.4	-17.1	-16.6	-15.3	-16.2	-19.2	-21.5	-23.6	-25.3
H162	-23.2	-23.7	-24.5	-18.4	-15.1	-13.2	-11.9	-11.0	-13.6	-17.4	-22.1	-22.1
H164	-21.7	-22.2	-23.0	-16.9	-13.5	-11.2	-9.7	-8.4	-11.6	-15.7	-20.6	-20.6
H165	-21.3	-21.8	-22.6	-16.5	-13.1	-10.7	-9.3	-7.9	-11.1	-15.3	-20.1	-20.1
H168	-15.1	-15.1	-15.4	-9.0	-5.1	-5.3	-6.9	-8.6	-11.4	-15.0	-18.9	-18.9
H173	-12.3	-12.3	-12.6	-7.4	-5.3	-5.6	-6.2	-7.3	-8.4	-12.0	-16.0	-16.0
H209	-8.9	-8.9	-8.9	-2.5	0.8	1.8	2.9	4.6	4.9	0.0	-3.9	-3.8
H222	-14.9	-14.9	-14.9	-8.5	-5.2	-4.2	-3.5	-3.7	-7.0	-11.2	-15.9	-15.9
H224	-11.4	-11.4	-11.4	-5.0	-1.7	-0.7	0.2	0.5	0.3	-3.2	-6.7	-6.6

Table 11.11.37 Margins for Enercon Option for 0 Degree Sector - Night

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	-34.9	-34.9	-34.9	-28.3	-24.5	-21.8	-18.2	-18.7	-24.3	-28.3	-31.7	-34.7
H2	-35.6	-35.6	-35.6	-29.1	-25.6	-24.0	-22.5	-22.8	-26.2	-29.3	-32.2	-34.9
H3	-33.3	-33.3	-33.3	-26.9	-22.7	-20.5	-17.4	-12.9	-13.8	-12.7	-17.5	-17.5
H4	-31.9	-31.9	-31.9	-25.5	-21.9	-20.5	-19.2	-18.2	-18.0	-18.0	-18.1	-20.1
H5	-29.5	-29.5	-29.5	-23.0	-19.5	-18.1	-16.7	-15.8	-15.5	-15.5	-15.6	-17.6
H6	-26.4	-26.4	-26.4	-19.9	-16.4	-14.9	-13.4	-12.5	-12.2	-12.2	-13.6	-17.2
H10	-23.2	-23.2	-23.2	-16.8	-13.3	-11.8	-10.5	-9.5	-9.2	-9.2	-10.6	-14.1
H11	-25.2	-25.2	-25.2	-18.7	-15.3	-13.9	-12.6	-11.7	-11.5	-11.5	-12.7	-16.1
H12	-24.8	-24.8	-24.8	-18.3	-14.9	-13.5	-12.2	-11.3	-11.0	-11.0	-12.3	-15.7
H13	-24.3	-24.3	-24.3	-17.9	-14.4	-13.0	-11.7	-10.8	-10.5	-10.5	-11.8	-15.2
H14	-25.0	-25.0	-25.0	-18.6	-15.1	-13.8	-12.6	-11.7	-11.4	-11.4	-12.6	-16.0
H16	-25.3	-25.3	-25.3	-18.9	-15.4	-14.0	-12.7	-11.7	-11.4	-11.4	-12.7	-16.2
H22	-20.1	-20.1	-20.1	-13.7	-10.2	-9.1	-8.0	-7.2	-6.9	-8.4	-11.5	-14.7
H24	-22.7	-22.7	-22.7	-16.3	-13.0	-11.8	-10.8	-9.9	-9.6	-11.2	-14.3	-17.6
H27	-16.9	-16.9	-16.9	-10.5	-7.1	-5.9	-4.8	-3.9	-3.6	-3.6	-3.5	-4.3
H33	-23.0	-23.0	-23.0	-16.6	-13.2	-12.1	-11.1	-10.3	-10.0	-10.0	-12.6	-16.2
H34	-23.4	-23.4	-23.4	-17.0	-13.5	-12.1	-10.9	-10.0	-9.7	-9.7	-11.0	-14.4
H39	-23.6	-23.6	-23.6	-17.2	-13.8	-12.7	-11.7	-10.9	-10.7	-10.7	-13.2	-16.8
H45	-19.5	-19.5	-19.5	-13.1	-9.8	-8.8	-7.9	-7.1	-6.9	-7.5	-10.2	-13.7
H49	-18.9	-18.9	-18.9	-12.4	-9.1	-7.9	-6.9	-6.1	-5.8	-5.8	-5.7	-6.5
H52	-22.5	-22.5	-22.5	-16.1	-12.8	-11.7	-10.7	-9.9	-9.6	-11.1	-14.0	-17.3
H91	-22.0	-22.0	-22.0	-15.6	-12.3	-11.1	-10.1	-9.2	-9.0	-10.5	-13.7	-17.0
H94	-18.6	-18.6	-18.6	-12.2	-8.7	-7.4	-6.4	-5.5	-5.1	-6.7	-9.9	-13.2
H158	-32.1	-32.1	-32.1	-25.7	-22.2	-20.9	-19.6	-18.6	-18.4	-18.4	-18.5	-20.4
H162	-28.2	-28.2	-28.2	-21.8	-18.3	-16.9	-15.7	-14.8	-14.5	-14.5	-15.8	-19.2
H164	-27.2	-27.2	-27.2	-20.7	-17.2	-15.8	-14.4	-13.4	-13.2	-13.2	-14.6	-18.1
H165	-26.8	-26.8	-26.8	-20.4	-16.9	-15.4	-14.0	-13.1	-12.8	-12.8	-14.2	-17.7
H168	-21.3	-21.3	-21.3	-14.8	-11.3	-10.0	-9.0	-8.0	-7.6	-9.3	-12.6	-16.0
H173	-19.3	-19.3	-19.3	-12.9	-9.6	-8.6	-7.7	-6.9	-6.7	-7.3	-10.0	-13.5
H209	-16.8	-16.8	-16.8	-10.4	-6.9	-5.7	-4.7	-3.8	-3.5	-3.5	-3.4	-4.1
H222	-23.2	-23.2	-23.2	-16.8	-13.5	-12.3	-11.4	-10.5	-10.3	-10.3	-12.8	-16.5
H224	-19.3	-19.3	-19.3	-12.9	-9.5	-8.4	-7.4	-6.5	-6.3	-6.3	-6.2	-7.0

Table 11.11.38 Margins for Enercon Option for 30 Degree Sector - Night

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	-31.5	-31.5	-31.5	-24.9	-21.3	-18.8	-16.2	-13.2	-20.3	-24.7	-28.2	-31.3
H2	-32.1	-32.1	-32.1	-25.6	-22.1	-20.3	-18.7	-18.1	-22.2	-25.6	-28.7	-31.4
H3	-29.7	-29.7	-29.7	-23.2	-19.1	-16.7	-13.8	-9.3	-9.1	-9.2	-12.0	-12.0
H4	-27.7	-27.7	-27.7	-21.2	-17.8	-16.3	-15.1	-13.6	-13.3	-13.2	-13.4	-15.6
H5	-25.5	-25.5	-25.5	-19.1	-15.6	-14.2	-13.0	-11.6	-11.3	-11.3	-11.4	-13.4
H6	-23.2	-23.2	-23.2	-16.8	-13.3	-11.9	-10.6	-9.2	-8.8	-8.8	-10.3	-14.0
H10	-21.3	-21.3	-21.3	-14.8	-11.4	-10.0	-8.8	-7.5	-7.0	-7.0	-8.4	-12.1
H11	-22.7	-22.7	-22.7	-16.3	-12.8	-11.5	-10.4	-9.2	-8.8	-8.8	-10.1	-13.6
H12	-22.4	-22.4	-22.4	-16.0	-12.5	-11.2	-10.0	-8.8	-8.5	-8.5	-9.8	-13.3
H13	-22.1	-22.1	-22.1	-15.6	-12.2	-10.8	-9.7	-8.4	-8.0	-8.0	-9.4	-12.9
H14	-22.6	-22.6	-22.6	-16.2	-12.8	-11.4	-10.4	-9.2	-8.8	-8.8	-10.1	-13.5
H16	-22.8	-22.8	-22.8	-16.4	-13.0	-11.6	-10.5	-9.2	-8.9	-8.9	-10.2	-13.7
H22	-20.1	-20.1	-20.1	-13.7	-10.3	-9.1	-8.1	-7.2	-6.9	-8.4	-11.4	-14.7
H24	-22.7	-22.7	-22.7	-16.3	-13.0	-11.8	-10.8	-9.9	-9.6	-11.2	-14.3	-17.6
H27	-17.3	-17.3	-17.3	-10.9	-7.5	-6.3	-5.3	-4.4	-4.0	-4.0	-4.0	-4.7
H33	-25.5	-25.5	-25.5	-19.1	-15.8	-14.7	-13.8	-13.0	-12.7	-12.7	-15.2	-18.8
H34	-21.8	-21.8	-21.8	-15.3	-11.9	-10.5	-9.4	-8.2	-7.8	-7.8	-9.1	-12.6
H39	-25.5	-25.5	-25.5	-19.1	-15.8	-14.7	-13.8	-12.9	-12.7	-12.7	-15.2	-18.8
H45	-19.4	-19.4	-19.4	-13.0	-9.7	-8.7	-7.8	-7.0	-6.8	-7.4	-10.0	-13.6
H49	-19.4	-19.4	-19.4	-13.0	-9.6	-8.5	-7.5	-6.6	-6.3	-6.3	-6.3	-7.0
H52	-22.5	-22.5	-22.5	-16.1	-12.8	-11.7	-10.7	-9.9	-9.6	-11.1	-14.1	-17.3
H91	-22.0	-22.0	-22.0	-15.6	-12.3	-11.1	-10.2	-9.3	-9.0	-10.5	-13.7	-17.0
H94	-18.6	-18.6	-18.6	-12.2	-8.7	-7.5	-6.4	-5.5	-5.1	-6.7	-9.9	-13.2
H158	-27.8	-27.8	-27.8	-21.4	-18.0	-16.6	-15.4	-14.0	-13.6	-13.6	-13.7	-15.8
H162	-24.5	-24.5	-24.5	-18.1	-14.7	-13.3	-12.2	-11.0	-10.7	-10.7	-12.0	-15.5
H164	-23.8	-23.8	-23.8	-17.3	-13.9	-12.5	-11.3	-9.9	-9.5	-9.5	-11.0	-14.6
H165	-23.5	-23.5	-23.5	-17.1	-13.7	-12.2	-11.0	-9.7	-9.3	-9.3	-10.7	-14.4
H168	-21.2	-21.2	-21.1	-14.6	-11.2	-9.9	-8.9	-7.9	-7.4	-9.1	-12.5	-15.9
H173	-19.2	-19.2	-19.2	-12.8	-9.5	-8.5	-7.6	-6.8	-6.6	-7.2	-9.8	-13.4
H209	-17.2	-17.2	-17.2	-10.8	-7.3	-6.1	-5.1	-4.2	-3.9	-3.9	-3.8	-4.5
H222	-24.9	-24.9	-24.9	-18.5	-15.2	-14.1	-13.2	-12.4	-12.1	-12.1	-14.6	-18.2
H224	-19.7	-19.7	-19.7	-13.3	-9.9	-8.8	-7.9	-7.0	-6.7	-6.7	-6.7	-7.4

Table 11.11.39 Margins for Enercon Option for 60 Degree Sector - Night

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	-27.4	-27.4	-27.4	-20.8	-17.3	-14.6	-11.0	-6.4	-15.8	-20.5	-24.2	-27.3
H2	-28.0	-28.0	-28.0	-21.5	-18.0	-16.1	-14.1	-13.2	-17.9	-21.5	-24.6	-27.4
H3	-26.1	-26.1	-26.1	-19.7	-15.6	-13.2	-10.1	-5.8	-5.6	-5.7	-8.1	-7.9
H4	-25.3	-25.3	-25.3	-18.8	-15.4	-14.0	-12.7	-11.1	-10.8	-10.8	-10.9	-13.1
H5	-24.5	-24.5	-24.5	-18.0	-14.6	-13.2	-11.9	-10.5	-10.2	-10.2	-10.2	-12.3
H6	-22.5	-22.5	-22.5	-16.1	-12.6	-11.2	-9.9	-8.5	-8.1	-8.0	-9.6	-13.3
H10	-21.0	-21.0	-21.0	-14.6	-11.1	-9.7	-8.5	-7.2	-6.8	-6.8	-8.2	-11.8
H11	-22.4	-22.4	-22.4	-16.0	-12.6	-11.3	-10.1	-8.9	-8.5	-8.5	-9.8	-13.3
H12	-22.1	-22.1	-22.1	-15.7	-12.3	-10.9	-9.8	-8.5	-8.2	-8.2	-9.5	-13.0
H13	-21.8	-21.8	-21.8	-15.3	-11.9	-10.6	-9.4	-8.1	-7.8	-7.7	-9.1	-12.7
H14	-22.3	-22.3	-22.3	-15.9	-12.5	-11.2	-10.1	-8.9	-8.5	-8.5	-9.8	-13.3
H16	-22.5	-22.5	-22.5	-16.1	-12.7	-11.3	-10.2	-8.9	-8.6	-8.5	-9.9	-13.4
H22	-20.1	-20.1	-20.1	-13.7	-10.3	-9.1	-8.2	-7.2	-6.9	-8.4	-11.5	-14.7
H24	-22.7	-22.7	-22.7	-16.3	-13.0	-11.8	-10.9	-10.0	-9.7	-11.2	-14.3	-17.6
H27	-18.0	-18.0	-18.0	-11.6	-8.3	-7.2	-6.2	-5.3	-5.1	-5.1	-5.0	-5.8
H33	-28.4	-28.4	-28.4	-22.0	-18.7	-17.6	-16.7	-15.9	-15.7	-15.7	-18.1	-21.7
H34	-21.5	-21.5	-21.5	-15.0	-11.6	-10.3	-9.1	-7.9	-7.5	-7.5	-8.9	-12.4
H39	-29.1	-29.1	-29.1	-22.7	-19.4	-18.4	-17.5	-16.6	-16.4	-16.4	-18.9	-22.4
H45	-19.4	-19.4	-19.4	-13.0	-9.7	-8.7	-7.8	-7.0	-6.8	-7.4	-10.1	-13.6
H49	-20.8	-20.8	-20.8	-14.4	-11.1	-10.0	-9.1	-8.2	-8.0	-8.0	-8.0	-8.7
H52	-22.8	-22.8	-22.8	-16.4	-13.1	-12.0	-11.1	-10.2	-9.9	-11.4	-14.4	-17.6
H91	-22.1	-22.1	-22.1	-15.6	-12.3	-11.2	-10.2	-9.3	-9.0	-10.5	-13.7	-17.0
H94	-18.6	-18.6	-18.6	-12.2	-8.8	-7.5	-6.5	-5.5	-5.2	-6.8	-9.9	-13.2
H158	-25.4	-25.4	-25.4	-19.0	-15.5	-14.1	-12.9	-11.5	-11.1	-11.1	-11.2	-13.3
H162	-23.7	-23.7	-23.7	-17.3	-13.8	-12.5	-11.4	-10.2	-9.8	-9.8	-11.1	-14.6
H164	-23.0	-23.0	-23.0	-16.6	-13.1	-11.7	-10.5	-9.1	-8.7	-8.7	-10.2	-13.8
H165	-22.8	-22.8	-22.8	-16.3	-12.9	-11.5	-10.3	-8.9	-8.5	-8.5	-10.0	-13.6
H168	-21.2	-21.2	-21.1	-14.6	-11.2	-9.9	-8.9	-7.9	-7.4	-9.1	-12.5	-15.9
H173	-19.2	-19.2	-19.2	-12.8	-9.5	-8.5	-7.6	-6.8	-6.6	-7.2	-9.9	-13.4
H209	-17.8	-17.8	-17.8	-11.4	-8.1	-6.9	-6.0	-5.1	-4.9	-4.9	-4.8	-5.5
H222	-28.2	-28.2	-28.2	-21.8	-18.5	-17.5	-16.6	-15.8	-15.6	-15.6	-18.0	-21.5
H224	-20.9	-20.9	-20.9	-14.5	-11.2	-10.1	-9.2	-8.4	-8.1	-8.1	-8.1	-8.8

Table 11.11.40 Margins for Enercon Option for 90 Degree Sector - Night

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	-26.0	-26.0	-26.0	-19.4	-15.8	-13.1	-9.3	-5.0	-14.3	-19.1	-22.8	-25.9
H2	-26.7	-26.7	-26.7	-20.1	-16.6	-14.7	-12.6	-11.7	-16.6	-20.2	-23.3	-26.1
H3	-25.6	-25.6	-25.6	-19.1	-15.0	-12.7	-9.5	-5.3	-5.1	-5.2	-7.5	-7.4
H4	-25.3	-25.3	-25.3	-18.8	-15.4	-14.0	-12.6	-11.1	-10.8	-10.7	-10.9	-13.1
H5	-24.4	-24.4	-24.4	-18.0	-14.6	-13.2	-11.9	-10.5	-10.2	-10.1	-10.2	-12.3
H6	-22.5	-22.5	-22.5	-16.1	-12.6	-11.2	-9.9	-8.4	-8.0	-8.0	-9.5	-13.3
H10	-21.0	-21.0	-21.0	-14.6	-11.1	-9.7	-8.5	-7.2	-6.8	-6.8	-8.2	-11.8
H11	-22.4	-22.4	-22.4	-16.0	-12.6	-11.2	-10.1	-8.9	-8.5	-8.5	-9.8	-13.3
H12	-22.1	-22.1	-22.1	-15.7	-12.3	-10.9	-9.7	-8.5	-8.1	-8.1	-9.5	-13.0
H13	-21.8	-21.8	-21.8	-15.3	-11.9	-10.6	-9.4	-8.1	-7.7	-7.7	-9.1	-12.6
H14	-22.3	-22.3	-22.3	-15.9	-12.5	-11.2	-10.0	-8.9	-8.5	-8.5	-9.8	-13.3
H16	-22.5	-22.5	-22.5	-16.1	-12.7	-11.3	-10.2	-8.9	-8.5	-8.5	-9.9	-13.4
H22	-20.2	-20.2	-20.2	-13.7	-10.4	-9.2	-8.2	-7.3	-7.1	-8.5	-11.5	-14.7
H24	-23.5	-23.5	-23.5	-17.1	-13.7	-12.6	-11.7	-10.8	-10.6	-12.1	-15.1	-18.3
H27	-19.3	-19.3	-19.3	-12.9	-9.6	-8.5	-7.6	-6.8	-6.6	-6.6	-6.6	-7.3
H33	-29.7	-29.7	-29.7	-23.3	-20.0	-19.0	-18.1	-17.3	-17.1	-17.1	-19.5	-23.0
H34	-21.5	-21.5	-21.5	-15.0	-11.6	-10.3	-9.1	-7.9	-7.5	-7.5	-8.8	-12.4
H39	-31.2	-31.2	-31.2	-24.8	-21.5	-20.5	-19.6	-18.8	-18.6	-18.6	-21.0	-24.5
H45	-19.4	-19.4	-19.4	-13.0	-9.7	-8.7	-7.8	-7.0	-6.8	-7.5	-10.1	-13.6
H49	-23.2	-23.2	-23.2	-16.8	-13.5	-12.5	-11.5	-10.7	-10.5	-10.5	-10.5	-11.2
H52	-24.0	-24.0	-24.0	-17.6	-14.3	-13.3	-12.3	-11.5	-11.3	-12.7	-15.6	-18.7
H91	-23.5	-23.5	-23.5	-17.1	-13.8	-12.7	-11.7	-10.9	-10.6	-12.1	-15.2	-18.4
H94	-18.8	-18.8	-18.8	-12.4	-9.0	-7.8	-6.8	-5.9	-5.5	-7.1	-10.2	-13.4
H158	-25.4	-25.4	-25.4	-18.9	-15.5	-14.1	-12.9	-11.5	-11.1	-11.1	-11.2	-13.3
H162	-23.7	-23.7	-23.7	-17.2	-13.8	-12.5	-11.4	-10.2	-9.8	-9.8	-11.1	-14.6
H164	-23.0	-23.0	-23.0	-16.5	-13.1	-11.7	-10.5	-9.1	-8.7	-8.7	-10.2	-13.8
H165	-22.8	-22.8	-22.8	-16.3	-12.9	-11.5	-10.3	-8.9	-8.5	-8.5	-9.9	-13.6
H168	-21.2	-21.2	-21.1	-14.6	-11.2	-9.9	-8.9	-7.9	-7.4	-9.1	-12.5	-15.9
H173	-19.2	-19.2	-19.2	-12.8	-9.5	-8.5	-7.6	-6.8	-6.6	-7.3	-9.9	-13.4
H209	-19.0	-19.0	-19.0	-12.6	-9.3	-8.3	-7.4	-6.5	-6.3	-6.3	-6.3	-7.0
H222	-30.2	-30.2	-30.2	-23.8	-20.5	-19.5	-18.6	-17.8	-17.6	-17.6	-20.0	-23.5
H224	-23.5	-23.5	-23.5	-17.1	-13.8	-12.8	-11.9	-11.1	-10.9	-10.9	-10.9	-11.6

Table 11.11.41 Margins for Enercon Option for 120 Degree Sector - Night

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	-25.9	-25.9	-25.9	-19.3	-15.7	-12.8	-8.7	-5.0	-14.2	-19.1	-22.8	-25.9
H2	-26.7	-26.7	-26.7	-20.1	-16.6	-14.7	-12.6	-11.7	-16.6	-20.2	-23.3	-26.1
H3	-25.6	-25.6	-25.6	-19.1	-15.0	-12.7	-9.5	-5.3	-5.1	-5.2	-7.5	-7.4
H4	-25.3	-25.3	-25.3	-18.8	-15.4	-14.0	-12.6	-11.1	-10.8	-10.7	-10.9	-13.1
H5	-24.4	-24.4	-24.4	-18.0	-14.6	-13.2	-11.9	-10.5	-10.2	-10.1	-10.2	-12.3
H6	-22.6	-22.6	-22.6	-16.1	-12.7	-11.3	-10.0	-8.6	-8.2	-8.2	-9.6	-13.3
H10	-21.1	-21.1	-21.1	-14.6	-11.2	-9.8	-8.6	-7.3	-6.9	-6.9	-8.3	-11.9
H11	-22.5	-22.5	-22.5	-16.0	-12.6	-11.3	-10.1	-8.9	-8.6	-8.6	-9.9	-13.3
H12	-22.1	-22.1	-22.1	-15.7	-12.3	-11.0	-9.8	-8.6	-8.2	-8.2	-9.5	-13.0
H13	-21.8	-21.8	-21.8	-15.4	-11.9	-10.6	-9.4	-8.2	-7.8	-7.8	-9.1	-12.7
H14	-22.3	-22.3	-22.3	-15.9	-12.5	-11.2	-10.1	-8.9	-8.6	-8.6	-9.8	-13.3
H16	-22.6	-22.6	-22.6	-16.1	-12.7	-11.4	-10.2	-9.0	-8.6	-8.6	-9.9	-13.4
H22	-20.8	-20.8	-20.8	-14.4	-11.0	-10.0	-9.0	-8.2	-7.9	-9.3	-12.2	-15.4
H24	-27.0	-27.0	-27.0	-20.6	-17.3	-16.3	-15.4	-14.6	-14.4	-15.8	-18.7	-21.9
H27	-20.4	-20.4	-20.4	-14.0	-10.7	-9.6	-8.7	-7.9	-7.7	-7.7	-7.7	-8.4
H33	-29.8	-29.8	-29.8	-23.4	-20.1	-19.1	-18.2	-17.4	-17.2	-17.2	-19.6	-23.1
H34	-21.5	-21.5	-21.5	-15.1	-11.6	-10.3	-9.2	-8.0	-7.6	-7.6	-8.9	-12.4
H39	-31.7	-31.7	-31.7	-25.3	-22.0	-21.0	-20.1	-19.3	-19.1	-19.1	-21.5	-25.0
H45	-19.8	-19.8	-19.8	-13.4	-10.1	-9.1	-8.2	-7.4	-7.2	-8.2	-10.7	-14.1
H49	-24.5	-24.5	-24.5	-18.1	-14.8	-13.8	-12.9	-12.1	-11.9	-11.9	-11.9	-12.6
H52	-27.7	-27.7	-27.7	-21.3	-18.0	-17.0	-16.1	-15.3	-15.0	-16.4	-19.3	-22.4
H91	-27.2	-27.2	-27.2	-20.8	-17.6	-16.5	-15.6	-14.8	-14.6	-16.0	-19.0	-22.2
H94	-19.5	-19.5	-19.5	-13.1	-9.7	-8.7	-7.7	-6.9	-6.6	-8.0	-10.9	-14.1
H158	-25.4	-25.4	-25.4	-18.9	-15.5	-14.1	-12.9	-11.5	-11.1	-11.1	-11.2	-13.3
H162	-23.7	-23.7	-23.7	-17.3	-13.9	-12.6	-11.4	-10.2	-9.9	-9.9	-11.2	-14.6
H164	-23.1	-23.1	-23.0	-16.6	-13.2	-11.8	-10.6	-9.3	-8.9	-8.9	-10.3	-13.9
H165	-22.8	-22.8	-22.8	-16.4	-13.0	-11.6	-10.4	-9.0	-8.6	-8.6	-10.0	-13.6
H168	-21.4	-21.4	-21.3	-14.8	-11.4	-10.2	-9.2	-8.3	-7.9	-9.5	-12.7	-16.0
H173	-19.6	-19.6	-19.6	-13.2	-9.9	-8.9	-8.0	-7.2	-7.0	-8.0	-10.5	-13.9
H209	-20.0	-20.0	-20.0	-13.6	-10.3	-9.3	-8.4	-7.6	-7.4	-7.4	-7.4	-8.1
H222	-30.7	-30.7	-30.7	-24.3	-21.0	-20.0	-19.1	-18.3	-18.0	-18.0	-20.5	-24.0
H224	-25.4	-25.4	-25.4	-19.0	-15.7	-14.7	-13.8	-13.0	-12.7	-12.7	-12.7	-13.4

Table 11.11.42 Margins for Enercon Option for 150 Degree Sector - Night

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	-25.9	-25.9	-25.9	-19.3	-15.7	-12.8	-8.7	-5.0	-14.2	-19.1	-22.8	-25.9
H2	-26.7	-26.7	-26.7	-20.1	-16.6	-14.7	-12.6	-11.7	-16.6	-20.2	-23.3	-26.1
H3	-25.7	-25.7	-25.6	-19.2	-15.1	-12.7	-9.6	-5.3	-5.1	-5.2	-7.6	-7.5
H4	-25.3	-25.3	-25.3	-18.9	-15.4	-14.1	-12.8	-11.4	-11.1	-11.0	-11.2	-13.3
H5	-24.5	-24.5	-24.5	-18.1	-14.7	-13.4	-12.2	-10.9	-10.5	-10.5	-10.5	-12.5
H6	-22.6	-22.6	-22.6	-16.2	-12.8	-11.4	-10.3	-9.1	-8.7	-8.7	-10.0	-13.5
H10	-21.1	-21.1	-21.1	-14.7	-11.2	-10.0	-8.9	-7.9	-7.6	-7.5	-8.7	-12.1
H11	-22.5	-22.5	-22.5	-16.1	-12.7	-11.5	-10.4	-9.5	-9.1	-9.1	-10.3	-13.5
H12	-22.2	-22.2	-22.2	-15.8	-12.4	-11.1	-10.1	-9.1	-8.8	-8.8	-9.9	-13.2
H13	-21.8	-21.8	-21.8	-15.4	-12.0	-10.8	-9.8	-8.7	-8.4	-8.4	-9.6	-12.9
H14	-22.4	-22.4	-22.4	-16.0	-12.6	-11.4	-10.4	-9.4	-9.1	-9.1	-10.2	-13.4
H16	-22.6	-22.6	-22.6	-16.2	-12.8	-11.6	-10.5	-9.6	-9.2	-9.2	-10.4	-13.6
H22	-22.4	-22.4	-22.4	-16.0	-12.7	-11.7	-10.8	-10.0	-9.7	-11.1	-13.9	-17.0
H24	-30.4	-30.4	-30.4	-24.0	-20.7	-19.7	-18.7	-18.0	-17.7	-19.1	-22.1	-25.3
H27	-20.6	-20.6	-20.6	-14.2	-10.9	-9.9	-9.0	-8.1	-7.9	-7.9	-7.9	-8.6
H33	-28.6	-28.6	-28.6	-22.2	-18.9	-17.9	-17.0	-16.2	-16.0	-16.0	-18.4	-21.9
H34	-21.5	-21.5	-21.5	-15.1	-11.7	-10.5	-9.4	-8.5	-8.1	-8.1	-9.3	-12.6
H39	-30.6	-30.6	-30.6	-24.2	-20.9	-19.9	-19.0	-18.2	-18.0	-18.0	-20.4	-23.9
H45	-20.5	-20.5	-20.5	-14.1	-10.8	-9.8	-8.9	-8.1	-7.9	-9.2	-11.6	-14.9
H49	-24.6	-24.6	-24.6	-18.2	-14.9	-13.9	-13.0	-12.2	-12.0	-12.0	-12.0	-12.7
H52	-30.0	-30.0	-30.0	-23.6	-20.3	-19.3	-18.4	-17.6	-17.4	-18.7	-21.6	-24.7
H91	-30.0	-30.0	-30.0	-23.6	-20.3	-19.3	-18.3	-17.5	-17.3	-18.7	-21.7	-24.9
H94	-21.2	-21.2	-21.2	-14.8	-11.4	-10.4	-9.5	-8.7	-8.5	-9.8	-12.7	-15.8
H158	-25.4	-25.4	-25.4	-19.0	-15.6	-14.3	-13.0	-11.7	-11.4	-11.4	-11.4	-13.5
H162	-23.8	-23.8	-23.8	-17.3	-13.9	-12.7	-11.6	-10.6	-10.2	-10.2	-11.4	-14.8
H164	-23.1	-23.1	-23.1	-16.6	-13.2	-12.0	-10.8	-9.7	-9.3	-9.3	-10.6	-14.0
H165	-22.9	-22.9	-22.9	-16.4	-13.0	-11.7	-10.6	-9.5	-9.1	-9.1	-10.4	-13.8
H168	-22.6	-22.6	-22.6	-16.2	-12.8	-11.6	-10.7	-9.8	-9.5	-11.0	-14.1	-17.3
H173	-20.3	-20.3	-20.3	-13.9	-10.6	-9.6	-8.7	-7.9	-7.7	-9.0	-11.4	-14.7
H209	-20.3	-20.3	-20.3	-13.9	-10.6	-9.5	-8.6	-7.8	-7.6	-7.6	-7.6	-8.3
H222	-29.7	-29.7	-29.7	-23.3	-20.0	-19.0	-18.1	-17.3	-17.1	-17.1	-19.5	-23.0
H224	-25.7	-25.7	-25.7	-19.3	-16.0	-15.0	-14.1	-13.3	-13.1	-13.1	-13.0	-13.8

Table 11.11.43 Margins for Enercon Option for 180 Degree Sector - Night

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	-26.1	-26.1	-26.1	-19.4	-15.8	-13.1	-5.1	-5.0	-14.4	-19.1	-22.8	-25.9
H2	-26.7	-26.7	-26.7	-20.2	-16.7	-14.8	-11.8	-11.5	-16.6	-20.2	-23.3	-26.1
H3	-25.7	-25.7	-25.7	-19.2	-15.1	-13.0	-9.6	-5.3	-5.1	-5.1	-8.9	-8.8
H4	-25.4	-25.4	-25.4	-19.0	-15.6	-14.4	-13.2	-12.1	-11.9	-11.9	-11.9	-13.8
H5	-24.6	-24.6	-24.6	-18.2	-14.8	-13.7	-12.6	-11.6	-11.4	-11.3	-11.3	-13.1
H6	-22.7	-22.7	-22.7	-16.3	-12.9	-11.7	-10.7	-9.7	-9.5	-9.5	-10.6	-13.8
H10	-21.5	-21.5	-21.5	-15.1	-11.7	-10.6	-9.6	-8.7	-8.4	-8.4	-9.5	-12.6
H11	-23.0	-23.0	-23.0	-16.6	-13.2	-12.1	-11.2	-10.3	-10.0	-10.0	-11.1	-14.2
H12	-22.7	-22.7	-22.7	-16.3	-12.9	-11.8	-10.8	-9.9	-9.7	-9.7	-10.8	-13.9
H13	-22.3	-22.3	-22.3	-15.9	-12.5	-11.4	-10.4	-9.6	-9.3	-9.3	-10.4	-13.5
H14	-23.0	-23.0	-23.0	-16.6	-13.2	-12.1	-11.1	-10.3	-10.0	-10.0	-11.1	-14.2
H16	-23.2	-23.2	-23.2	-16.8	-13.5	-12.4	-11.4	-10.5	-10.3	-10.3	-11.3	-14.4
H22	-24.9	-24.9	-24.9	-18.5	-15.2	-14.2	-13.3	-12.5	-12.3	-13.6	-16.4	-19.5
H24	-31.7	-31.7	-31.7	-25.3	-22.0	-21.0	-20.1	-19.3	-19.1	-20.5	-23.4	-26.6
H27	-20.1	-20.1	-20.1	-13.7	-10.4	-9.4	-8.5	-7.7	-7.5	-7.5	-7.4	-8.2
H33	-25.7	-25.7	-25.7	-19.3	-16.0	-15.0	-14.1	-13.2	-13.0	-13.0	-15.5	-19.0
H34	-22.3	-22.3	-22.3	-15.9	-12.6	-11.5	-10.5	-9.6	-9.4	-9.4	-10.4	-13.5
H39	-27.6	-27.6	-27.6	-21.2	-17.9	-16.8	-15.9	-15.1	-14.9	-14.9	-17.3	-20.9
H45	-22.4	-22.4	-22.4	-16.0	-12.7	-11.7	-10.8	-10.0	-9.8	-11.1	-13.5	-16.8
H49	-23.7	-23.7	-23.7	-17.3	-14.0	-13.0	-12.0	-11.2	-11.0	-11.0	-11.0	-11.7
H52	-30.6	-30.6	-30.6	-24.2	-20.9	-19.9	-19.0	-18.2	-18.0	-19.3	-22.2	-25.3
H91	-30.8	-30.8	-30.8	-24.4	-21.1	-20.1	-19.2	-18.4	-18.2	-19.6	-22.6	-25.8
H94	-22.6	-22.6	-22.6	-16.2	-12.8	-11.8	-10.9	-10.1	-9.9	-11.2	-14.1	-17.2
H158	-25.5	-25.5	-25.5	-19.1	-15.7	-14.5	-13.4	-12.4	-12.1	-12.1	-12.1	-13.9
H162	-23.9	-23.9	-23.9	-17.5	-14.1	-13.0	-12.0	-11.1	-10.9	-10.9	-11.9	-15.1
H164	-23.2	-23.2	-23.2	-16.8	-13.4	-12.2	-11.2	-10.3	-10.0	-10.0	-11.1	-14.3
H165	-23.0	-23.0	-23.0	-16.5	-13.2	-12.0	-11.0	-10.1	-9.8	-9.8	-10.9	-14.1
H168	-25.6	-25.6	-25.6	-19.1	-15.7	-14.7	-13.7	-12.9	-12.6	-14.0	-17.0	-20.3
H173	-22.0	-22.0	-22.0	-15.6	-12.3	-11.3	-10.4	-9.6	-9.4	-10.7	-13.1	-16.4
H209	-19.8	-19.8	-19.8	-13.4	-10.1	-9.1	-8.2	-7.4	-7.2	-7.2	-7.2	-7.9
H222	-26.9	-26.9	-26.9	-20.5	-17.2	-16.2	-15.3	-14.5	-14.2	-14.2	-16.7	-20.2
H224	-24.7	-24.7	-24.7	-18.3	-15.0	-14.0	-13.1	-12.3	-12.1	-12.1	-12.1	-12.8

Table 11.11.44 Margins for Enercon Option for 210 Degree Sector - Night

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	-26.4	-26.4	-26.4	-19.8	-16.2	-13.4	-5.4	-6.4	-15.2	-19.6	-23.1	-26.2
H2	-27.1	-27.1	-27.1	-20.6	-17.1	-15.4	-12.9	-13.4	-17.4	-20.7	-23.7	-26.4
H3	-26.0	-26.0	-26.0	-19.6	-15.6	-13.7	-11.2	-7.4	-8.3	-7.0	-11.0	-11.0
H4	-26.7	-26.7	-26.7	-20.3	-16.9	-15.8	-14.8	-13.9	-13.7	-13.7	-13.7	-15.4
H5	-27.1	-27.1	-27.1	-20.7	-17.3	-16.2	-15.2	-14.4	-14.2	-14.2	-14.2	-15.8
H6	-25.0	-25.0	-25.0	-18.6	-15.2	-14.2	-13.2	-12.3	-12.1	-12.1	-13.2	-16.2
H10	-23.8	-23.8	-23.8	-17.4	-14.1	-13.0	-12.0	-11.2	-11.0	-11.0	-12.0	-15.0
H11	-26.0	-26.0	-26.0	-19.6	-16.3	-15.2	-14.3	-13.5	-13.3	-13.2	-14.3	-17.3
H12	-25.6	-25.6	-25.6	-19.1	-15.8	-14.8	-13.8	-13.0	-12.8	-12.8	-13.8	-16.8
H13	-25.0	-25.0	-25.0	-18.6	-15.3	-14.2	-13.3	-12.5	-12.2	-12.2	-13.3	-16.3
H14	-25.9	-25.9	-25.9	-19.5	-16.2	-15.2	-14.2	-13.4	-13.2	-13.2	-14.2	-17.2
H16	-26.3	-26.3	-26.3	-19.9	-16.5	-15.5	-14.5	-13.7	-13.5	-13.5	-14.5	-17.5
H22	-26.1	-26.1	-26.1	-19.6	-16.3	-15.3	-14.4	-13.6	-13.4	-14.7	-17.5	-20.7
H24	-31.5	-31.5	-31.5	-25.1	-21.8	-20.8	-19.8	-19.0	-18.8	-20.2	-23.2	-26.3
H27	-19.0	-19.0	-19.0	-12.6	-9.2	-8.2	-7.2	-6.4	-6.2	-6.2	-6.2	-6.9
H33	-23.0	-23.0	-23.0	-16.6	-13.2	-12.1	-11.2	-10.4	-10.1	-10.1	-12.6	-16.2
H34	-24.8	-24.8	-24.8	-18.4	-15.1	-14.0	-13.1	-12.2	-12.0	-12.0	-13.1	-16.1
H39	-24.4	-24.4	-24.4	-18.0	-14.7	-13.6	-12.7	-11.8	-11.6	-11.6	-14.1	-17.7
H45	-23.5	-23.5	-23.5	-17.1	-13.8	-12.8	-11.9	-11.1	-10.9	-12.2	-14.6	-17.9
H49	-21.6	-21.6	-21.6	-15.2	-11.9	-10.8	-9.9	-9.1	-8.9	-8.9	-8.8	-9.6
H52	-29.9	-29.9	-29.9	-23.5	-20.2	-19.2	-18.2	-17.5	-17.2	-18.6	-21.5	-24.6
H91	-30.2	-30.2	-30.2	-23.8	-20.6	-19.5	-18.6	-17.8	-17.6	-19.0	-22.0	-25.2
H94	-23.0	-23.0	-23.0	-16.6	-13.3	-12.3	-11.4	-10.5	-10.3	-11.7	-14.5	-17.6
H158	-26.9	-26.9	-26.9	-20.4	-17.1	-16.0	-15.0	-14.1	-13.9	-13.9	-13.9	-15.5
H162	-26.6	-26.6	-26.6	-20.2	-16.9	-15.8	-14.8	-14.0	-13.8	-13.8	-14.8	-17.8
H164	-25.6	-25.6	-25.6	-19.2	-15.9	-14.8	-13.9	-13.0	-12.8	-12.8	-13.9	-16.9
H165	-25.4	-25.4	-25.3	-18.9	-15.6	-14.5	-13.6	-12.7	-12.5	-12.5	-13.6	-16.6
H168	-27.7	-27.7	-27.6	-21.2	-17.8	-16.7	-15.8	-14.9	-14.6	-16.1	-19.1	-22.3
H173	-23.0	-23.0	-23.0	-16.6	-13.3	-12.3	-11.4	-10.6	-10.4	-11.7	-14.1	-17.4
H209	-18.7	-18.7	-18.7	-12.3	-9.0	-8.0	-7.0	-6.2	-6.0	-6.0	-5.9	-6.7
H222	-24.1	-24.1	-24.1	-17.7	-14.3	-13.2	-12.3	-11.4	-11.2	-11.2	-13.7	-17.3
H224	-22.6	-22.6	-22.6	-16.2	-12.9	-11.9	-11.0	-10.1	-9.9	-9.9	-9.9	-10.6

Table 11.11.45 Margins for Enercon Option for 240 Degree Sector - Night

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	-29.0	-29.0	-29.0	-22.4	-18.7	-16.1	-12.2	-12.7	-18.4	-22.4	-25.7	-28.7
H2	-29.8	-29.8	-29.8	-23.3	-19.8	-18.3	-16.8	-17.1	-20.5	-23.5	-26.4	-29.1
H3	-29.4	-29.4	-29.4	-23.0	-19.1	-17.3	-15.2	-12.1	-12.8	-11.8	-15.0	-15.0
H4	-31.1	-31.1	-31.1	-24.7	-21.4	-20.3	-19.3	-18.5	-18.3	-18.2	-18.3	-19.9
H5	-31.0	-31.0	-31.0	-24.6	-21.3	-20.2	-19.2	-18.4	-18.2	-18.2	-18.2	-19.8
H6	-27.9	-27.9	-27.9	-21.5	-18.2	-17.1	-16.2	-15.3	-15.1	-15.1	-16.2	-19.2
H10	-25.7	-25.7	-25.7	-19.2	-15.9	-14.9	-13.9	-13.1	-12.9	-12.9	-13.9	-16.9
H11	-28.6	-28.6	-28.6	-22.2	-18.9	-17.8	-16.9	-16.1	-15.9	-15.9	-16.9	-19.9
H12	-28.0	-28.0	-28.0	-21.6	-18.3	-17.2	-16.3	-15.5	-15.3	-15.2	-16.3	-19.3
H13	-27.3	-27.3	-27.3	-20.9	-17.6	-16.5	-15.6	-14.8	-14.6	-14.5	-15.6	-18.6
H14	-28.5	-28.5	-28.5	-22.1	-18.8	-17.7	-16.8	-16.0	-15.8	-15.8	-16.8	-19.8
H16	-29.0	-29.0	-29.0	-22.6	-19.2	-18.2	-17.3	-16.4	-16.2	-16.2	-17.3	-20.2
H22	-26.0	-26.0	-26.0	-19.6	-16.3	-15.2	-14.3	-13.5	-13.3	-14.6	-17.5	-20.6
H24	-29.5	-29.5	-29.5	-23.1	-19.8	-18.7	-17.8	-17.0	-16.8	-18.2	-21.2	-24.3
H27	-18.0	-18.0	-18.0	-11.6	-8.2	-7.0	-6.0	-5.2	-4.9	-4.9	-4.8	-5.6
H33	-22.5	-22.5	-22.5	-16.1	-12.7	-11.6	-10.6	-9.8	-9.5	-9.5	-12.1	-15.7
H34	-26.9	-26.9	-26.9	-20.4	-17.1	-16.1	-15.1	-14.3	-14.1	-14.1	-15.1	-18.1
H39	-23.2	-23.2	-23.2	-16.8	-13.4	-12.3	-11.4	-10.5	-10.3	-10.3	-12.8	-16.4
H45	-23.7	-23.7	-23.7	-17.3	-14.0	-13.0	-12.1	-11.3	-11.1	-12.3	-14.7	-18.0
H49	-19.8	-19.8	-19.8	-13.4	-10.0	-8.9	-7.9	-7.1	-6.8	-6.8	-6.8	-7.5
H52	-27.4	-27.4	-27.4	-21.0	-17.7	-16.6	-15.7	-14.9	-14.7	-16.1	-19.0	-22.1
H91	-27.9	-27.9	-27.9	-21.5	-18.2	-17.2	-16.3	-15.4	-15.2	-16.7	-19.7	-22.9
H94	-22.8	-22.8	-22.7	-16.3	-13.0	-11.9	-11.0	-10.2	-10.0	-11.3	-14.2	-17.4
H158	-31.3	-31.3	-31.3	-24.9	-21.6	-20.5	-19.6	-18.7	-18.5	-18.5	-18.6	-20.1
H162	-30.3	-30.3	-30.3	-23.9	-20.5	-19.5	-18.6	-17.7	-17.5	-17.5	-18.6	-21.5
H164	-28.9	-28.9	-28.9	-22.5	-19.2	-18.1	-17.2	-16.3	-16.1	-16.1	-17.2	-20.2
H165	-28.5	-28.5	-28.5	-22.1	-18.8	-17.7	-16.7	-15.9	-15.7	-15.7	-16.8	-19.7
H168	-28.2	-28.2	-28.1	-21.7	-18.3	-17.2	-16.3	-15.4	-15.1	-16.5	-19.6	-22.8
H173	-23.2	-23.2	-23.2	-16.8	-13.5	-12.5	-11.6	-10.8	-10.6	-11.8	-14.2	-17.6
H209	-17.8	-17.8	-17.8	-11.4	-8.0	-6.8	-5.8	-5.0	-4.7	-4.7	-4.6	-5.4
H222	-22.8	-22.8	-22.8	-16.4	-13.1	-12.0	-11.0	-10.1	-9.9	-9.9	-12.5	-16.1
H224	-20.7	-20.7	-20.7	-14.3	-10.9	-9.8	-8.9	-8.0	-7.8	-7.8	-7.7	-8.5

Table 11.11.46 Margins for Enercon Option for 270 Degree Sector - Night

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	-33.4	-33.4	-33.4	-26.9	-23.2	-20.7	-17.7	-18.1	-23.1	-26.9	-30.2	-33.2
H2	-34.3	-34.3	-34.3	-27.8	-24.4	-23.0	-21.7	-22.0	-25.1	-28.0	-30.9	-33.6
H3	-33.2	-33.2	-33.2	-26.8	-22.9	-21.2	-19.2	-16.2	-16.8	-16.0	-19.0	-19.0
H4	-34.0	-34.0	-34.0	-27.6	-24.3	-23.2	-22.2	-21.4	-21.2	-21.1	-21.2	-22.8
H5	-33.1	-33.1	-33.1	-26.7	-23.4	-22.3	-21.4	-20.5	-20.3	-20.3	-20.3	-21.9
H6	-29.2	-29.2	-29.2	-22.8	-19.5	-18.4	-17.5	-16.6	-16.4	-16.4	-17.5	-20.5
H10	-26.3	-26.3	-26.3	-19.9	-16.5	-15.5	-14.5	-13.7	-13.5	-13.5	-14.5	-17.5
H11	-29.5	-29.5	-29.5	-23.1	-19.8	-18.8	-17.8	-17.0	-16.8	-16.8	-17.8	-20.8
H12	-28.9	-28.9	-28.9	-22.5	-19.1	-18.1	-17.1	-16.3	-16.1	-16.1	-17.1	-20.1
H13	-28.1	-28.1	-28.1	-21.7	-18.4	-17.3	-16.4	-15.5	-15.3	-15.3	-16.4	-19.3
H14	-29.4	-29.4	-29.4	-23.0	-19.7	-18.7	-17.7	-16.9	-16.7	-16.7	-17.7	-20.7
H16	-30.0	-30.0	-30.0	-23.5	-20.2	-19.2	-18.2	-17.4	-17.2	-17.2	-18.2	-21.2
H22	-24.9	-24.9	-24.8	-18.4	-15.1	-14.0	-13.1	-12.2	-12.0	-13.4	-16.3	-19.5
H24	-25.7	-25.7	-25.7	-19.3	-16.0	-14.9	-13.9	-13.1	-12.8	-14.3	-17.4	-20.6
H27	-17.2	-17.2	-17.2	-10.7	-7.3	-6.1	-5.1	-4.2	-3.9	-3.9	-3.8	-4.5
H33	-22.5	-22.5	-22.5	-16.1	-12.7	-11.6	-10.6	-9.8	-9.5	-9.5	-12.1	-15.7
H34	-27.5	-27.5	-27.5	-21.1	-17.8	-16.7	-15.8	-14.9	-14.7	-14.7	-15.8	-18.7
H39	-23.2	-23.2	-23.2	-16.8	-13.4	-12.3	-11.4	-10.5	-10.3	-10.3	-12.8	-16.4
H45	-23.1	-23.1	-23.1	-16.7	-13.4	-12.4	-11.5	-10.7	-10.5	-11.6	-14.1	-17.4
H49	-18.9	-18.9	-18.9	-12.5	-9.1	-8.0	-7.0	-6.1	-5.8	-5.8	-5.8	-6.5
H52	-24.4	-24.4	-24.4	-18.0	-14.7	-13.6	-12.6	-11.8	-11.6	-13.0	-16.0	-19.2
H91	-24.0	-24.0	-24.0	-17.6	-14.3	-13.1	-12.1	-11.3	-11.0	-12.6	-15.7	-19.0
H94	-21.6	-21.6	-21.6	-15.2	-11.8	-10.7	-9.7	-8.9	-8.6	-10.0	-13.0	-16.2
H158	-34.3	-34.3	-34.3	-27.9	-24.5	-23.5	-22.5	-21.7	-21.5	-21.5	-21.5	-23.1
H162	-32.0	-32.0	-32.0	-25.6	-22.3	-21.2	-20.3	-19.5	-19.2	-19.2	-20.3	-23.2
H164	-30.4	-30.4	-30.4	-24.0	-20.6	-19.6	-18.6	-17.8	-17.6	-17.6	-18.7	-21.6
H165	-29.9	-29.9	-29.9	-23.5	-20.2	-19.1	-18.2	-17.3	-17.1	-17.1	-18.2	-21.2
H168	-27.5	-27.5	-27.5	-21.0	-17.6	-16.5	-15.5	-14.6	-14.3	-15.8	-18.9	-22.2
H173	-22.7	-22.7	-22.7	-16.3	-13.0	-12.0	-11.1	-10.3	-10.1	-11.2	-13.6	-17.0
H209	-17.0	-17.0	-17.0	-10.6	-7.1	-5.9	-4.9	-4.0	-3.7	-3.7	-3.6	-4.4
H222	-22.8	-22.8	-22.8	-16.4	-13.1	-12.0	-11.0	-10.1	-9.9	-9.9	-12.5	-16.1
H224	-19.4	-19.4	-19.4	-13.0	-9.7	-8.5	-7.6	-6.7	-6.4	-6.4	-6.4	-7.1

Table 11.11.47 Margins for Enercon Option for 300 Degree Sector - Night

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	-35.8	-35.8	-35.8	-29.3	-25.6	-23.3	-20.5	-20.8	-25.6	-29.3	-32.6	-35.5
H2	-36.6	-36.6	-36.6	-30.1	-26.7	-25.4	-24.1	-24.3	-27.4	-30.3	-33.1	-35.8
H3	-34.9	-34.9	-34.9	-28.5	-24.6	-22.9	-20.8	-17.8	-18.4	-17.6	-20.7	-20.6
H4	-34.9	-34.9	-34.9	-28.5	-25.1	-24.0	-23.1	-22.2	-22.0	-22.0	-22.1	-23.7
H5	-33.5	-33.5	-33.5	-27.0	-23.7	-22.6	-21.6	-20.8	-20.6	-20.6	-20.6	-22.2
H6	-29.4	-29.4	-29.4	-22.9	-19.6	-18.5	-17.4	-16.6	-16.4	-16.4	-17.5	-20.6
H10	-26.2	-26.2	-26.2	-19.7	-16.4	-15.2	-14.2	-13.4	-13.1	-13.1	-14.3	-17.3
H11	-29.3	-29.3	-29.3	-22.9	-19.6	-18.5	-17.5	-16.6	-16.4	-16.4	-17.5	-20.6
H12	-28.7	-28.7	-28.7	-22.3	-18.9	-17.8	-16.8	-16.0	-15.8	-15.8	-16.9	-19.9
H13	-27.9	-27.9	-27.9	-21.5	-18.2	-17.0	-16.0	-15.2	-15.0	-15.0	-16.1	-19.1
H14	-29.2	-29.2	-29.2	-22.8	-19.5	-18.4	-17.4	-16.6	-16.4	-16.4	-17.4	-20.5
H16	-29.8	-29.8	-29.8	-23.3	-20.0	-18.9	-17.9	-17.0	-16.8	-16.8	-17.9	-21.0
H22	-22.6	-22.6	-22.6	-16.2	-12.8	-11.6	-10.6	-9.8	-9.5	-11.0	-14.0	-17.2
H24	-23.0	-23.0	-23.0	-16.6	-13.2	-12.0	-11.0	-10.2	-9.9	-11.5	-14.6	-17.9
H27	-16.9	-16.9	-16.9	-10.5	-7.1	-5.8	-4.8	-3.9	-3.6	-3.6	-3.5	-4.3
H33	-22.5	-22.5	-22.5	-16.1	-12.7	-11.6	-10.6	-9.8	-9.5	-9.5	-12.1	-15.7
H34	-27.1	-27.1	-27.1	-20.7	-17.4	-16.2	-15.2	-14.4	-14.2	-14.2	-15.3	-18.3
H39	-23.2	-23.2	-23.2	-16.8	-13.4	-12.3	-11.4	-10.5	-10.3	-10.3	-12.8	-16.4
H45	-21.7	-21.7	-21.7	-15.3	-12.0	-11.0	-10.1	-9.3	-9.1	-10.0	-12.5	-16.0
H49	-18.9	-18.9	-18.8	-12.4	-9.1	-7.9	-6.9	-6.1	-5.8	-5.8	-5.7	-6.5
H52	-22.5	-22.5	-22.5	-16.1	-12.8	-11.7	-10.7	-9.9	-9.6	-11.1	-14.1	-17.3
H91	-22.2	-22.2	-22.2	-15.7	-12.4	-11.2	-10.2	-9.4	-9.1	-10.6	-13.8	-17.1
H94	-20.1	-20.1	-20.1	-13.7	-10.3	-9.0	-7.9	-7.0	-6.7	-8.3	-11.4	-14.7
H158	-35.2	-35.2	-35.2	-28.8	-25.5	-24.4	-23.4	-22.5	-22.4	-22.3	-22.4	-24.0
H162	-32.2	-32.2	-32.2	-25.8	-22.4	-21.3	-20.4	-19.5	-19.3	-19.3	-20.4	-23.4
H164	-30.5	-30.5	-30.5	-24.1	-20.8	-19.6	-18.6	-17.8	-17.6	-17.6	-18.7	-21.8
H165	-30.0	-30.0	-30.0	-23.6	-20.3	-19.2	-18.2	-17.3	-17.1	-17.1	-18.2	-21.3
H168	-25.5	-25.5	-25.4	-18.9	-15.5	-14.2	-13.3	-12.3	-12.0	-13.5	-16.8	-20.2
H173	-21.4	-21.4	-21.4	-15.0	-11.7	-10.7	-9.8	-9.0	-8.8	-9.6	-12.2	-15.7
H209	-16.8	-16.8	-16.8	-10.4	-6.9	-5.7	-4.7	-3.8	-3.4	-3.4	-3.4	-4.1
H222	-22.8	-22.8	-22.8	-16.4	-13.1	-12.0	-11.0	-10.1	-9.9	-9.9	-12.5	-16.1
H224	-19.3	-19.3	-19.3	-12.9	-9.5	-8.4	-7.4	-6.5	-6.3	-6.3	-6.2	-7.0

Table 11.11.48 Margins for Enercon Option for 330 Degree Sector - Night

House ID	Standardised 10m Wind Speed, ms ⁻¹											
	1	2	3	4	5	6	7	8	9	10	11	12
H1	-36.2	-36.2	-36.2	-29.7	-26.0	-23.6	-22.1	-21.1	-25.9	-29.7	-32.9	-35.9
H2	-36.9	-36.9	-36.9	-30.5	-27.0	-25.7	-24.6	-24.6	-27.7	-30.7	-33.5	-36.2
H3	-34.9	-34.9	-34.9	-28.5	-24.6	-22.7	-20.7	-17.0	-17.8	-16.8	-20.3	-20.3
H4	-34.3	-34.3	-34.3	-27.9	-24.5	-23.3	-22.3	-21.2	-21.1	-21.0	-21.2	-22.9
H5	-32.3	-32.3	-32.3	-25.9	-22.5	-21.3	-20.3	-19.3	-19.1	-19.1	-19.2	-20.9
H6	-28.5	-28.5	-28.5	-22.1	-18.7	-17.4	-16.4	-15.3	-15.1	-15.0	-16.3	-19.6
H10	-25.2	-25.2	-25.2	-18.8	-15.4	-14.0	-13.0	-11.9	-11.6	-11.6	-12.9	-16.2
H11	-28.0	-28.0	-28.0	-21.6	-18.2	-16.9	-15.9	-14.8	-14.6	-14.6	-15.8	-19.0
H12	-27.4	-27.4	-27.4	-21.0	-17.6	-16.3	-15.3	-14.2	-14.0	-14.0	-15.2	-18.4
H13	-26.8	-26.8	-26.8	-20.3	-16.9	-15.6	-14.6	-13.5	-13.3	-13.3	-14.5	-17.8
H14	-27.9	-27.9	-27.9	-21.4	-18.1	-16.8	-15.8	-14.8	-14.5	-14.5	-15.7	-18.9
H16	-28.3	-28.3	-28.3	-21.9	-18.5	-17.1	-16.1	-15.0	-14.8	-14.8	-16.0	-19.3
H22	-20.9	-20.9	-20.9	-14.5	-11.1	-9.9	-8.9	-8.0	-7.7	-9.2	-12.3	-15.6
H24	-22.7	-22.7	-22.7	-16.3	-13.0	-11.8	-10.8	-9.9	-9.6	-11.2	-14.3	-17.6
H27	-16.9	-16.9	-16.9	-10.5	-7.1	-5.9	-4.9	-3.9	-3.6	-3.6	-3.5	-4.3
H33	-22.5	-22.5	-22.5	-16.1	-12.7	-11.6	-10.6	-9.8	-9.5	-9.5	-12.1	-15.7
H34	-25.8	-25.8	-25.8	-19.3	-15.9	-14.7	-13.7	-12.6	-12.4	-12.4	-13.6	-16.8
H39	-23.2	-23.2	-23.2	-16.8	-13.4	-12.3	-11.4	-10.5	-10.3	-10.3	-12.8	-16.4
H45	-20.6	-20.6	-20.6	-14.2	-10.9	-9.9	-9.0	-8.2	-8.0	-8.6	-11.2	-14.8
H49	-18.9	-18.9	-18.9	-12.4	-9.1	-7.9	-7.0	-6.1	-5.8	-5.8	-5.7	-6.5
H52	-22.5	-22.5	-22.5	-16.1	-12.8	-11.7	-10.7	-9.9	-9.6	-11.1	-14.0	-17.3
H91	-22.0	-22.0	-22.0	-15.6	-12.3	-11.1	-10.1	-9.2	-9.0	-10.5	-13.7	-17.0
H94	-18.8	-18.8	-18.8	-12.4	-8.9	-7.6	-6.7	-5.7	-5.3	-6.9	-10.1	-13.4
H158	-34.6	-34.6	-34.6	-28.2	-24.8	-23.6	-22.6	-21.6	-21.5	-21.4	-21.5	-23.2
H162	-31.0	-31.0	-31.0	-24.6	-21.2	-20.0	-19.1	-18.1	-17.8	-17.8	-19.0	-22.2
H164	-29.6	-29.6	-29.6	-23.2	-19.8	-18.5	-17.5	-16.4	-16.2	-16.2	-17.4	-20.7
H165	-29.2	-29.2	-29.2	-22.7	-19.3	-18.0	-17.0	-16.0	-15.8	-15.8	-17.0	-20.2
H168	-22.8	-22.8	-22.7	-16.2	-12.7	-11.4	-10.5	-9.5	-9.0	-10.7	-14.0	-17.4
H173	-20.3	-20.3	-20.3	-13.9	-10.6	-9.6	-8.7	-7.9	-7.7	-8.3	-11.0	-14.5
H209	-16.8	-16.8	-16.8	-10.4	-6.9	-5.7	-4.7	-3.8	-3.5	-3.5	-3.4	-4.1
H222	-22.8	-22.8	-22.8	-16.4	-13.1	-12.0	-11.0	-10.1	-9.9	-9.9	-12.5	-16.1
H224	-19.3	-19.3	-19.3	-12.9	-9.5	-8.4	-7.4	-6.5	-6.3	-6.3	-6.2	-7.0

Technical Appendix 11.12: Potential Noise Management Strategies

Table 11.12.1: Vestas Noise Management Strategy Sector 0

Turbine	Standardised 10 m Wind Speed, ms ⁻¹				
	5	6	7	8	9
T1	SO1	M0	M0	SO13	SO1
T2	SO1	SO1	SO1	SO1	M0
T3	SO1	SO1	SO1	SO1	SO1
T4	SO1	SO1	SO1	SO1	SO1
T5	SO1	SO11	SO11	SO13	SO13
T6	SO1	SO11	SO13	STOPPED	STOPPED
T7	SO1	SO1	SO1	SO1	SO1
T8	SO1	SO2	SO13	SO13	SO13
T9	SO1	SO1	SO1	SO1	SO1
T10	SO1	SO1	SO1	SO12	SO13
T11	SO1	SO1	SO1	SO1	SO1
T12	SO1	SO1	SO1	SO1	SO1

Table 11.12.2: Vestas Noise Management Strategy Sector 30

Turbine	Standardised 10 m Wind Speed, ms ⁻¹				
	5	6	7	8	9
T1	SO1	SO1	SO13	STOPPED	SO1
T2	SO1	SO1	SO11	SO13	M0
T3	SO1	SO1	SO1	SO1	SO1
T4	SO1	SO1	SO1	SO1	SO1
T5	SO1	SO1	SO1	SO13	SO13
T6	SO1	SO11	SO13	SO13	SO13
T7	SO1	SO1	SO1	SO1	SO1
T8	SO1	SO2	SO11	SO13	SO13
T9	SO1	SO1	SO1	SO1	SO1
T10	SO1	SO1	SO1	SO12	SO13
T11	SO1	SO1	SO1	SO1	SO1
T12	SO1	SO1	SO1	SO1	SO1

Table 11.12.3: Vestas Noise Management Strategy Sector 60

Turbine	Standardised 10 m Wind Speed, ms ⁻¹				
	5	6	7	8	9
T1	S01	S01	STOPPED	STOPPED	S01
T2	S01	S01	S011	STOPPED	M0
T3	S01	S01	S01	S012	S01
T4	S01	S01	S01	S01	M0
T5	S01	S01	S01	S01	S01
T6	S01	S01	S011	S01	S01
T7	S01	S01	S01	S01	M0
T8	S01	S02	S01	S01	S01
T9	S01	S01	S01	S01	S01
T10	S01	S01	S01	S01	S01
T11	S01	S01	S01	S01	M0
T12	S01	S01	S01	S01	M0

Table 11.12.4: Vestas Noise Management Strategy Sector 90

Turbine	Standardised 10 m Wind Speed, ms ⁻¹				
	5	6	7	8	9
T1	S01	S01	STOPPED	STOPPED	S01
T2	S01	S01	S013	STOPPED	M0
T3	S01	S01	S01	S013	S01
T4	S01	S01	S01	S01	M0
T5	S01	S01	S01	M0	M0
T6	S01	S01	S01	S01	S01
T7	S01	M0	S01	S01	M0
T8	S01	S01	S01	M0	M0
T9	S01	M0	S01	S01	M0
T10	S01	S01	S01	M0	M0
T11	S01	M0	S01	S01	M0
T12	S01	M0	S01	M0	M0

Table 11.12.5: Vestas Noise Management Strategy Sector 120

Turbine	Standardised 10 m Wind Speed, ms ⁻¹				
	5	6	7	8	9
T1	SO1	SO1	SO13	STOPPED	M0
T2	SO1	SO1	SO1	STOPPED	M0
T3	SO1	SO1	SO1	SO13	M0
T4	SO1	SO1	SO1	SO1	M0
T5	SO1	SO1	SO1	SO1	M0
T6	SO1	SO1	SO1	M0	M0
T7	SO1	M0	SO1	SO1	M0
T8	SO1	SO1	SO1	M0	M0
T9	SO1	M0	SO1	SO1	M0
T10	SO1	SO1	SO1	M0	M0
T11	SO1	M0	M0	SO1	M0
T12	SO1	M0	SO1	M0	M0

Table 11.12.6: Vestas Noise Management Strategy Sector 150

Turbine	Standardised 10 m Wind Speed, ms ⁻¹				
	5	6	7	8	9
T1	SO1	SO1	SO1	SO13	M0
T2	SO1	SO1	SO1	SO1	M0
T3	SO1	SO1	SO1	SO1	M0
T4	SO1	M0	M0	M0	M0
T5	SO1	SO1	M0	M0	M0
T6	SO1	SO1	SO1	M0	M0
T7	SO1	M0	M0	M0	M0
T8	SO1	SO1	SO1	M0	M0
T9	SO1	M0	M0	M0	M0
T10	SO1	SO1	SO1	M0	M0
T11	SO1	M0	M0	M0	M0
T12	SO1	M0	M0	M0	M0

Table 11.12.7: Vestas Noise Management Strategy Sector 180

Turbine	Standardised 10 m Wind Speed, ms ⁻¹				
	5	6	7	8	9
T1	SO1	MO	MO	MO	MO
T2	SO1	SO1	MO	MO	MO
T3	SO1	SO1	MO	MO	MO
T4	SO1	MO	MO	MO	MO
T5	SO1	SO1	MO	MO	MO
T6	SO1	SO1	SO1	MO	MO
T7	SO1	MO	MO	MO	MO
T8	SO1	SO1	SO1	MO	MO
T9	SO1	MO	MO	MO	MO
T10	SO1	SO1	SO1	MO	MO
T11	SO1	MO	MO	MO	MO
T12	SO1	MO	MO	MO	MO

Table 11.12.8: Vestas Noise Management Strategy Sector 210

Turbine	Standardised 10 m Wind Speed, ms ⁻¹				
	5	6	7	8	9
T1	SO1	MO	MO	MO	MO
T2	SO1	SO1	MO	MO	MO
T3	SO1	SO1	MO	MO	MO
T4	SO1	SO1	SO1	MO	MO
T5	SO1	SO1	SO1	SO1	MO
T6	SO1	SO1	SO1	SO1	MO
T7	SO1	MO	MO	MO	MO
T8	SO1	SO1	SO1	SO1	SO1
T9	SO1	MO	MO	MO	MO
T10	SO1	SO1	SO1	MO	MO
T11	SO1	MO	MO	MO	MO
T12	SO1	MO	MO	MO	MO

Table 11.12.9: Vestas Noise Management Strategy Sector 240

Turbine	Standardised 10 m Wind Speed, ms ⁻¹				
	5	6	7	8	9
T1	SO1	M0	M0	M0	M0
T2	SO1	SO1	M0	M0	M0
T3	SO1	SO1	M0	SO1	M0
T4	SO1	SO1	SO1	SO1	SO1
T5	SO1	SO1	SO1	SO1	SO1
T6	SO1	SO11	SO11	SO13	SO13
T7	SO1	SO1	SO1	SO1	SO1
T8	SO1	SO1	SO1	SO1	SO1
T9	SO1	M0	SO1	M0	M0
T10	SO1	SO1	SO1	SO1	SO1
T11	SO1	M0	M0	M0	M0
T12	SO1	SO1	SO1	M0	M0

Table 11.12.10: Vestas Noise Management Strategy Sector 270

Turbine	Standardised 10 m Wind Speed, ms ⁻¹				
	5	6	7	8	9
T1	SO1	M0	M0	SO1	M0
T2	SO1	SO1	SO1	SO1	M0
T3	SO1	SO1	SO1	SO1	SO1
T4	SO1	SO1	SO1	SO1	SO2
T5	SO1	SO1	SO13	SO13	SO13
T6	SO1	SO11	SO13	STOPPED	STOPPED
T7	SO1	SO1	SO1	SO1	SO1
T8	SO1	SO11	SO11	SO13	SO13
T9	SO1	SO1	SO1	SO1	SO1
T10	SO1	SO1	SO1	SO1	SO1
T11	SO1	SO1	SO1	SO1	SO1
T12	SO1	SO1	SO1	SO1	SO1

Table 11.12.11: Vestas Noise Management Strategy Sector 300

Turbine	Standardised 10 m Wind Speed, ms ⁻¹				
	5	6	7	8	9
T1	S01	M0	M0	M0	S01
T2	S01	S01	S01	M0	S01
T3	S01	S01	S01	S01	S01
T4	S01	S01	S01	S01	S01
T5	S01	S011	S013	S013	S013
T6	S01	S011	S013	STOPPED	STOPPED
T7	S01	S01	S01	S01	S01
T8	S01	S02	S011	S013	S013
T9	S01	S01	S01	S01	S01
T10	S01	S01	S011	S013	S013
T11	S01	S01	S01	S01	S01
T12	S01	S01	S01	S01	S01

Table 11.12.12: Vestas Noise Management Strategy Sector 330

Turbine	Standardised 10 m Wind Speed, ms ⁻¹				
	5	6	7	8	9
T1	S01	M0	S01	M0	M0
T2	S01	S01	S01	M0	S01
T3	S01	S01	S01	S01	S01
T4	S01	S01	S01	S01	S013
T5	S01	S011	S013	S013	S013
T6	S01	S011	S013	STOPPED	S013
T7	S01	S01	S01	S01	S01
T8	S01	S02	S011	S013	S013
T9	S01	S01	S01	S01	S01
T10	S01	S01	S01	S013	S013
T11	S01	S01	S01	S01	S01
T12	S01	S01	S01	S01	S01

Table 11.12.13: Enercon Noise Management Strategy Sector 0

Turbine	Standardised 10 m Wind Speed, ms ⁻¹					
	5	6	7	8	9	10
T1	0s	0s	0s	500kW	1s	0s
T2	0s	0s	1s	1s	1s	0s
T3	0s	0s	0s	11s	11s	0s
T4	0s	11s	11s	11s	11s	0s
T5	1s	11s	11s	11s	STOPPED	0s
T6	11s	11s	STOPPED	STOPPED	STOPPED	0s
T7	0s	11s	11s	11s	11s	0s
T8	11s	11s	11s	STOPPED	STOPPED	0s
T9	0s	11s	1s	11s	11s	0s
T10	0s	11s	11s	11s	11s	0s
T11	0s	1s	1s	11s	11s	0s
T12	0s	11s	1s	11s	11s	1s

Table 11.12.14: Enercon Noise Management Strategy Sector 30

Turbine	Standardised 10 m Wind Speed, ms ⁻¹					
	5	6	7	8	9	10
T1	0s	0s	500kW	STOPPED	0s	0s
T2	0s	0s	11s	500kW	0s	0s
T3	0s	0s	0s	1s	0s	0s
T4	0s	1s	1s	1s	11s	0s
T5	0s	11s	11s	11s	500kW	0s
T6	11s	11s	500kW	STOPPED	STOPPED	0s
T7	0s	1s	1s	11s	11s	0s
T8	0s	11s	11s	500kW	STOPPED	0s
T9	0s	1s	1s	11s	11s	0s
T10	0s	11s	11s	11s	11s	0s
T11	0s	0s	1s	1s	1s	0s
T12	0s	0s	1s	1s	1s	0s

Table 11.12.15: Enercon Noise Management Strategy Sector 60

Turbine	Standardised 10 m Wind Speed, ms ⁻¹					
	5	6	7	8	9	10
T1	0s	0s	STOPPED	STOPPED	1s	0s
T2	0s	0s	11s	STOPPED	0s	0s
T3	0s	0s	11s	11s	1s	0s
T4	0s	0s	11s	11s	11s	0s
T5	0s	0s	11s	1s	11s	0s
T6	0s	11s	11s	11s	11s	0s
T7	0s	0s	1s	1s	11s	0s
T8	0s	1s	11s	11s	11s	0s
T9	0s	0s	11s	11s	1s	0s
T10	0s	1s	1s	11s	11s	0s
T11	0s	0s	0s	0s	1s	0s
T12	0s	1s	1s	1s	1s	0s

Table 11.12.16: Enercon Noise Management Strategy Sector 90

Turbine	Standardised 10 m Wind Speed, ms ⁻¹					
	5	6	7	8	9	10
T1	0s	0s	STOPPED	STOPPED	11s	0s
T2	0s	0s	500KW	STOPPED	1s	0s
T3	0s	0s	11s	11s	1s	0s
T4	0s	0s	1s	11s	0s	0s
T5	0s	0s	1s	11s	0s	0s
T6	0s	0s	1s	1s	0s	0s
T7	0s	0s	1s	11s	0s	0s
T8	0s	0s	0s	1s	0s	0s
T9	0s	0s	1s	1s	0s	0s
T10	0s	0s	0s	1s	0s	0s
T11	0s	0s	0s	1s	0s	0s
T12	0s	0s	1s	1s	0s	0s

Table 11.12.17: Enercon Noise Management Strategy Sector 120

Turbine	Standardised 10 m Wind Speed, ms ⁻¹					
	5	6	7	8	9	10
T1	0s	0s	500kW	STOPPED	0s	0s
T2	0s	0s	lls	STOPPED	0s	0s
T3	0s	0s	0s	lls	ls	0s
T4	0s	0s	0s	lls	0s	0s
T5	0s	0s	0s	lls	0s	0s
T6	0s	0s	0s	ls	0s	0s
T7	0s	0s	ls	lls	0s	0s
T8	0s	0s	0s	ls	0s	0s
T9	0s	0s	ls	ls	0s	0s
T10	0s	0s	lls	ls	0s	0s
T11	0s	0s	0s	ls	0s	0s
T12	0s	0s	0s	ls	0s	0s

Table 11.12.18: Enercon Noise Management Strategy Sector 150

Turbine	Standardised 10 m Wind Speed, ms ⁻¹					
	5	6	7	8	9	10
T1	0s	0s	0s	lls	0s	0s
T2	0s	0s	ls	lls	0s	0s
T3	0s	0s	0s	lls	0s	0s
T4	0s	0s	0s	ls	0s	0s
T5	0s	0s	0s	ls	0s	0s
T6	0s	0s	0s	0s	0s	0s
T7	0s	0s	0s	ls	0s	0s
T8	0s	0s	0s	ls	0s	0s
T9	0s	0s	0s	ls	0s	0s
T10	0s	0s	0s	0s	0s	0s
T11	0s	0s	0s	0s	0s	0s
T12	0s	0s	0s	0s	0s	0s

Table 11.12.19: Enercon Noise Management Strategy Sector 180

Turbine	Standardised 10 m Wind Speed, ms ⁻¹					
	5	6	7	8	9	10
T1	0s	0s	0s	0s	0s	0s
T2	0s	0s	0s	0s	0s	0s
T3	0s	0s	0s	0s	0s	0s
T4	0s	0s	0s	0s	0s	0s
T5	0s	0s	0s	1s	0s	0s
T6	0s	0s	0s	0s	0s	0s
T7	0s	0s	0s	0s	0s	0s
T8	0s	0s	0s	0s	0s	0s
T9	0s	0s	0s	0s	0s	0s
T10	0s	0s	0s	0s	0s	0s
T11	0s	0s	0s	0s	0s	0s
T12	0s	0s	0s	0s	0s	0s

Table 11.12.20: Enercon Noise Management Strategy Sector 210

Turbine	Standardised 10 m Wind Speed, ms ⁻¹					
	5	6	7	8	9	10
T1	0s	0s	0s	0s	0s	0s
T2	0s	0s	0s	0s	0s	0s
T3	0s	0s	0s	0s	0s	0s
T4	0s	0s	1s	1s	0s	0s
T5	0s	0s	1s	1s	0s	0s
T6	0s	0s	1s	11s	0s	0s
T7	0s	0s	1s	0s	0s	0s
T8	0s	0s	1s	1s	0s	0s
T9	0s	0s	0s	0s	0s	0s
T10	0s	0s	1s	0s	0s	0s
T11	0s	0s	0s	0s	0s	0s
T12	0s	0s	0s	0s	0s	0s

Table 11.12.21: Enercon Noise Management Strategy Sector 240

Turbine	Standardised 10 m Wind Speed, ms ⁻¹					
	5	6	7	8	9	10
T1	0s	0s	0s	lls	ls	0s
T2	0s	0s	0s	ls	0s	0s
T3	0s	0s	0s	lls	ls	0s
T4	0s	0s	lls	lls	ls	0s
T5	0s	ls	lls	lls	lls	0s
T6	0s	lls	lls	lls	STOPPED	0s
T7	0s	0s	ls	lls	ls	0s
T8	0s	ls	lls	lls	lls	0s
T9	0s	0s	0s	lls	ls	0s
T10	0s	0s	ls	lls	ls	0s
T11	0s	0s	0s	0s	0s	0s
T12	0s	0s	0s	ls	0s	0s

Table 11.12.22: Enercon Noise Management Strategy Sector 270

Turbine	Standardised 10 m Wind Speed, ms ⁻¹					
	5	6	7	8	9	10
T1	0s	0s	0s	0s	0s	0s
T2	0s	0s	0s	0s	ls	0s
T3	0s	0s	ls	ls	ls	0s
T4	0s	ls	lls	lls	lls	0s
T5	0s	lls	lls	lls	STOPPED	0s
T6	lls	lls	STOPPED	STOPPED	STOPPED	0s
T7	0s	lls	lls	lls	lls	0s
T8	lls	lls	lls	STOPPED	STOPPED	0s
T9	0s	ls	lls	lls	ls	0s
T10	0s	lls	lls	lls	lls	0s
T11	0s	0s	ls	0s	ls	0s
T12	0s	ls	ls	lls	ls	0s

Table 11.12.23: Enercon Noise Management Strategy Sector 300

Turbine	Standardised 10 m Wind Speed, ms ⁻¹					
	5	6	7	8	9	10
T1	0s	0s	1s	11s	11s	0s
T2	0s	0s	11s	11s	11s	0s
T3	0s	0s	11s	11s	11s	0s
T4	0s	11s	11s	11s	11s	0s
T5	1s	11s	11s	11s	STOPPED	1s
T6	11s	11s	STOPPED	STOPPED	STOPPED	0s
T7	0s	11s	11s	11s	11s	0s
T8	11s	11s	11s	STOPPED	STOPPED	0s
T9	0s	11s	11s	11s	11s	0s
T10	0s	11s	11s	11s	11s	0s
T11	0s	1s	11s	11s	11s	0s
T12	0s	11s	11s	11s	11s	0s

Table 11.12.24: Enercon Noise Management Strategy Sector 330

Turbine	Standardised 10 m Wind Speed, ms ⁻¹					
	5	6	7	8	9	10
T1	0s	0s	0s	11s	1s	0s
T2	0s	0s	1s	11s	0s	0s
T3	0s	0s	1s	11s	11s	0s
T4	0s	11s	11s	11s	11s	0s
T5	1s	11s	11s	11s	STOPPED	1s
T6	11s	11s	STOPPED	STOPPED	STOPPED	0s
T7	0s	11s	11s	11s	11s	0s
T8	11s	11s	11s	STOPPED	STOPPED	0s
T9	0s	11s	1s	11s	11s	0s
T10	0s	11s	11s	11s	11s	0s
T11	0s	1s	1s	11s	11s	0s
T12	0s	11s	11s	11s	11s	0s