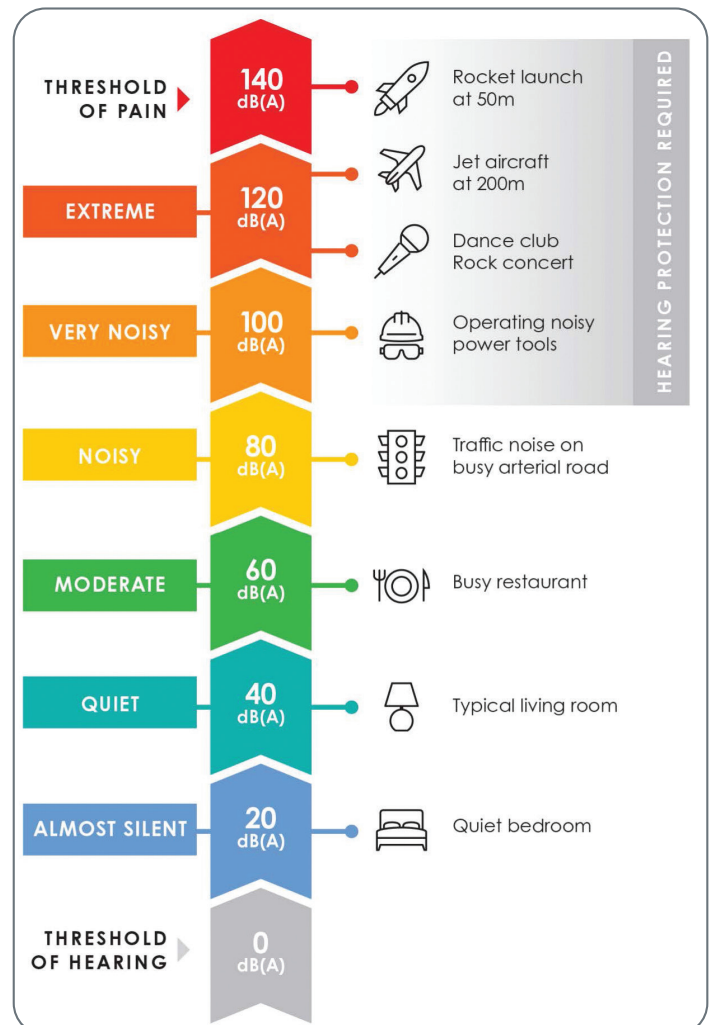


WIND FARM NOISE ASSESSMENTS IN NSW

- In NSW, noise assessments for wind farms involve:
 - Background noise monitoring (to determine the noise before the wind farm)
 - Wind farm noise predictions (to understand the expected noise from the wind farm)
 - Consideration of noise from ancillary equipment (eg transformers) and construction
 - Noise compliance measurements (following construction and commissioning)
- The operational noise at non-associated landowners should not exceed 35 dB(A) or 5 dB(A) above the background noise level (whichever is higher).
- Typically, an operational noise limit of 45 dB(A) or 5 dB(A) above the background noise level (whichever is higher) is applied for associated landowners.
- The noise from a wind farm is dependent on a number of factors, including:
 - Distance to turbines
 - Meteorological conditions (particularly wind speed and direction)
 - Wind turbine make and model
 - Number of wind turbines
- At 1,500m from the closest turbine, a typical noise level during worst case meteorological conditions is approximately 37 dB(A) outdoors, 22 dB(A) indoors with windows open and 15 dB(A) indoors with windows closed.
- To provide some context to this level, the typical noise from other sources is attached (source SA EPA).



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