

#### **24.2.4 AMBIENT SOUND LEVEL**

The amount of background noise at a given location prior to the installation of a Wind Energy System which may include, but not be limited to, traffic, machinery, lawnmower, human activity, and the interaction of wind with the landscape. The ambient sound level is measured on the dB(A) weighted scale as defined by the American National Standards Institute and is the sound pressure level exceeded 90% of the time (L90).

- A. Decibel (Db):** The unit of power ratio equal to one tenth of a bel.
- B. Noise:** Any activity which creates or produces sound regardless of frequency exceeding the ambient noise levels at the property line of any property.
- C. Noise Contour:** The graphic depiction of the extent to which an average noise level affects the area surrounding a source of noise.
- D. Noise, Decibel (dB):** A unit for measuring the amplitude of sounds, equal to 20 times the logarithm to the base 10 of the ratio of the pressure of the sound measured to the reference pressure of 20 micropascals. Practically defined – the loudness of sound is measured in decibels. Whispering is approximately 30 decibels; conversational speech, 60; a garbage disposal, 80. Sound above 85 decibels may damage delicate hearing cells in the inner ear.

#### **24.2.5 METEOROLOGICAL TOWER (MET)**

Includes the tower, base plate, anchors, guy cables and hardware, anemometer (wind speed indicators), wind direction vanes, booms to hold equipment to monitor or transmit wind speed and wind flow characteristics to record instantaneous wind information or to characterize the wind resource at a given location.

MET Towers shall be permitted for not more than 12 months for a SWES

MET Towers shall be permitted for not more than 24 months for a MWES

MET Towers shall be permitted for not more than 36 months for a LWES

These Towers are subject to all applicable requirements and application procedures as are any Wind Energy System.

MET Towers may be permitted for longer periods with approval of the Clark Township Planning Commission.

**24.2.6 NON-PARTICIPATING PARCEL:** a parcel of real estate that is neither a Project Parcel nor a Participating Parcel.

**24.2.7 PARTICIPATING PARCEL:** a parcel of real estate that is not a Project Parcel, but is subject to an agreement between the Owner and developer allowing the construction of all or part of a LWES closer to a Participating Parcel property line or habitable structure than would be permitted in the absence of such an agreement.