



Figure 3: Wind Turbine & Transformer Substation Environmental Noise

Gosfield Comber Vestas Turbine Model: NM82/1650
 Wind Turbines rated 102.4 dBA sound power for
 Wind speed 6 m/s at worst case wind direction of 0 deg (i.e. wind from north)
 Noise Impact on Residents, Noise contours for 4.5m receptor height
 Sound Level Limit = 40 dBA (dark green colour)

Legend:
 T_G65 = Gosfield turbine # 65
 T_C86 = Comber turbine # 86

RP_G274 (coloured red) = participating Gosfield residential receptor # 274
 R_G280 (coloured black) = nonparticipating Gosfield residential receptor # 280
 R_C1631 (coloured black) = nonparticipating Comber residential receptor #1631
 RN_C1559 (coloured black) = nonresidential Comber receptor #1559
 Subscript "s" designates single storey dwelling

Aercoustics Engineering Limited
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