



Figure 9: Wind Turbine & Transformer Substation Environmental Noise Contours

Gosfield Comber Vestas Turbine Model: NM82/1650  
 Wind Turbines rated 108.7 dBA sound power for  
 Wind speed 11 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 = 53 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  
 25 Sept 2007

