

HEALTH

Overview

An assessment has been made of the potential for public health related effects associated with the wind farm.

Overall, there are no aspects of the construction or presence of the proposed wind turbines at the WEL Wind Park that give rise to cause for concern from a public health point of view. Similarly, there will be no issues during construction that cannot be readily mitigated from an occupational health and safety or environmental health point of view.

Electrical Effects

Wind turbines interact with but do not alter the composition of air in any way. All electrical machinery is enclosed so there is no possibility of ionisation. All conductors are insulated.

Noise Effects

The turbine structures and rotating blades do disturb the lamina flow of approaching air, however, pressure equalisation past the turbine restores this and the only residual sign is low level kinetic energy manifest as noise which is carried downstream but rapidly attenuates. This has been modelled and will not cause annoyance or disturbance at any area currently or likely to be inhabited.

Shadow Flicker

Shadow flicker, when the turbines are positioned between the sun and a viewer may be noticed but the effect is miniscule at the distances encountered by habitation. Furthermore, there are no areas currently inhabited lying in such a direct path. In any event, the frequency range of the potential flicker will not have any physiological or epileptogenic effects.