

Submission by George Samuel

Wind Farms: Non-Renewable Insanity

Quite obviously any people living at least in line of sight or within a small number of kilometres of a wind farm need to be offered a buyout of their property. The noise pollution with infrasound which is very unfriendly to humans will make the area uninhabitable.

And using tons of rare earth metals and more fossil fuel energy to make a wind turbine than that turbine will ever produce, is an exercise in virtue signalling wankery, and a ripoff of the taxpayer, traditional owners, and current residents of the highest order.

The proposal also does not specify who picks up the bill for removing the wind turbines in only a couple of decades once the units reach end of life. If the company is bankrupt, which it will be, cleanup will inevitably fall to the taxpayer, or be a permanent monument to the corruption of government enforced multinational cartels who have their snouts in the trough of the public purse and public land.

There is nothing renewable about a wind farm. Generating electricity from a wind turbine does nothing more than substitute pollution from fossil fuels with the rapid depletion of rare earth metals, and as such do nothing of relevance for the continuance of the human species.

Wind turbines contain about a ton each of rare earth metals. Rare earth metals are going to be exhausted in a decade or two, and then what? By the time the turbines reach end of life there will be no backup solution other than going back to fossil fuels or nuclear. So, essentially, Thorium liquid fuel reactors are the only thing to be considering at this point. This is mainly because reserves of Thorium are evenly distributed over the planet and will last a million years. This is longer than the evolutionary life of the human species. Switch to Thorium, and what to use for energy will be the next species' problem. As a corollary, thorium reactors also produce rare earth metals.

The lack of a solution past the availability of rare earth metals does in fact condemn our grandchildren to extinction through the loss of a technological skill base. Going back to coal or solid fuel nuclear won't be available because nobody will know how to do it. For example, no modern navy could crew and run a WW1 coal powered battleship because nobody has the skills. Even crewing a WW2 Iowa class battleship became impossible and they had to be decommissioned. It happens that quickly.

Rare earth metals come from a supply chain polluted by child labour. The Socio-Economic Impact Assessment makes no mention of child labour, or how the project will assure that the wind farm project

will be clean of child labour in the child labour. There is a reason why this issue is not addressed: they cannot assure or provide a child labour free project.

The Noise and Vibration Assessment also indicates that the wind farm regulator is preparing to drive residents and wildlife actually insane with low frequency noise up to 60db

Residents in the vicinity of the windfarm deserve a greater consideration of their wellbeing than the two seconds it takes for someone to simply parrot that a 20hz frequency is not audible below 60 decibels.

So let's pretend that we are talking about infrasound at 59 decibels.

Sound waves are energy. More specifically they are a compression, or longitudinal wave.

What we are talking about here is physical energy. This is not like the 5G scare to do with electromagnetic waves. Physical energy produces actual physical force on a physical object, such as a person.

Think of your home stereo. High frequencies at the same volume take much less energy to produce than lower frequencies. In fact the power output by the amplifier doubles for every lower octave.

Think of the next door neighbour's stereo. When you are trying to sleep at night you can't hear the high frequencies, you can only hear the bass, which travels long distances and right through the walls of your house.

Low frequencies are relatively undisturbed by the thermal noise of the air molecules blowing around in the wind.

If you are noise damping a home studio you can only keep low frequencies out using mass, ie lots of concrete.

A wind farm is trying to produce enough energy to power a city by harnessing physical force. The disturbance produced by this harnessing turns the turbine. However we are talking about Newtonian physics here, every action has an equal and opposite reaction. So the same amount of energetic physical disturbance is occurring in the environment.

Hence infrasound can get enough decibels to fall what is conceded by the proponents to be near human hearing.

This is wildly alarming. The sheer amount of infrasound energy is enormous, and a person, being a physical object cannot be expected to be subjected to such a colossal level of disturbance.

Think of your home stereo again. In a digital audio converter it is generally accepted that a noise floor of -120db cannot be detected by the human ear. However that does not mean it has no effect on sound quality. The state of the art for converters is -150db, which given that something lowered by 3db is half

as loud. This is because that even though a person cannot respond to say they heard something, the way the brain processes audible information happens, of course, unconsciously, and small changes can have big effects, for example on how 'large' something sounds in a listening room.

Infrasound is worse. Infrasound doesn't just affect the eardrum, it affects the whole body. In essence, Infrasound is the reason, for example, that people think train tunnels are haunted. The spooky effect, gut wrenching inexplicable fear, visual disturbances, audible and visible hallucinations are the result of high amplitude low frequency standing waves in the tunnels.

Living near a wind farm is going to literally drive people mad.