

SEC Subcommittee, 17 June 2021..... DR. FRED WARD

I have two simple points:

1. Antrim Wind has to have made measurements of the turbine noises heard by their neighbors! AND, since they have kept these noise measurements secret,
2. These noise measurements exceeded 40 Db, in many meteorological situations.

I base these points on the well accepted understanding that the combination of strong winds on the turbines, accompanied by a well developed temperature inversion, will produce the LOUDEST sounds ever heard by the neighbors.

Therefore, Antrim Wind needed only to measure neighborhood sounds on nights with both strong winds on the turbines, and a surrounding temperature inversion. If the noises on these nights were below the 40 Db level, we would have to conclude that they would never exceed 40 Db on ANY nights. Since AWE faces the possibility of a shutdown, or serious operational curtailments, Due Diligence on a \$65 million expenditure required that AWE measure the noises on such nights.

So, what did Antrim Wind actually have to do to settle whether their neighbors are slammed with sounds over 40Db? Actually very little!!!!!!

Antrim Wind needed to check noises around the neighborhood, on a few of these meteorologically sensitive nights. Such nights are easily forecast a day in advance, and Antrim Wind has, or can easily get, the meteorological data. If they simply measure the sounds on a few meteorologically sensitive nights, AND the turbine noises do NOT exceed 40 Db, we would all conclude that the turbine noise would NEVER exceed 40 Db, on ANY night! END OF STORY.

AWE knows the turbine speeds, so they know when turbines are noisy. Antrim Wind has access to the temperature data up on the hill. The Weather Service has the temperatures down in the surrounding valleys. The difference between these two temperatures is the inversion. Voila, they know which nights will be noisy!!

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I conclude that AWE has made these meteorological, and noise, measurements! AND,,, some of these noises were above the 40Db level. YOU need to see them!

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Question: Can you believe AWE has NOT made such noise measurements???
And if they were below the 40Db level, would they have kept them secret?

AWE could have tried to convince you with MEASUREMENTS of NOISE,
and for less than they are paying their attorneys to convince you with WORDS!

Dr. Fred Ward, Stoddard, NH 03464, 603-446-2312, drfred@myfairpoint.net