



TOWN OF WELFLEET

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BOARD OF
SELECTMEN

TOWN
ADMINISTRATOR

March 17, 2010

Dr. Nina Pierpont
19 Clay Street
Malone, NY 12953

Dear Dr. Pierpont,

Thank you for your interest in the community wind project that the Town of Wellfleet has been investigating since 2004. This is a single turbine project that would be sited on Town-owned land within the Cape Cod National Seashore.

For some time, our Energy Committee has been engaged in an in-depth investigation of this project on behalf of Town voters, including examination of regulatory, financial, environmental, and human health and safety issues. For that reason, your recent treatise on potential health impacts on at-risk individuals living near large scale wind farms has been of interest to the Committee and to me.

According to information concerning your case studies included your book *Wind Turbine Syndrome* (for example, your Table 1B), the health impacts that you document relate to wind farms comprised of a **minimum of eight** wind turbine generators (WTG) up to a **maximum of forty-five** WTG. In terms of maximum rated power output, the wind farms in your study comprise aggregate maximum power capacity of from **sixteen to ninety-six megawatts**. The characteristics, then, of the wind farms giving rise to the symptoms you document represent at minimum eight times the number of wind turbines and about nine times the maximum power output of the proposed single Wellfleet turbine.

May I ask what you, as a researcher and scientist, would suggest is the relationship of your studies of much larger operations to our much smaller proposal? This question relates to the effects you document from large-scale wind farms and their possible relationship to a project that is almost an order of magnitude smaller in number and power capacity than the smallest wind farm you document in your case histories. In addition, you make reference to the potential synergistic impact of *multiple turbines* acting together in commenting on low frequency pressure fluctuations: "Coming from several towers at once, these low frequency air pressure fluctuations may synchronize and reinforce, depending on the orientation of the towers and house and the timing of the individual turbines." (page 109) Is it possible, then, to separate the health effects you document from the *multi-turbine* characteristic of the wind farms involved? Is there a reason that the case studies do not include any *single-turbine* facilities?

Our Energy Committee has been looking closely at the issue of the relevance of specific anecdotal accounts for wind facilities that are dissimilar to the Wellfleet proposal in number of turbines, maximum rated power, distance to closest residence and topography.

Thank you for your interest in the on-going investigation in progress in our Town. I look forward to your reflections on the issues and questions presented above.

Sincerely,

Paul Sieloff
Town Administrator