

Mon 1/28/2013 12:14 PM

**From:** William Dowey [mailto:wdowey@gmail.com]  
**Sent:** Monday, January 28, 2013 11:43 AM  
**Subject:** Solar Photovoltaic as an alternative to Wind Turbines

Dear Mr.Drew,

I am writing to express my disapproval of the proposed Wild Meadows Wind Farm and subsequent emerging wind farm applications in the Newfound Lake region. These projects would not be making the best use of alternative power generating technologies and would be adversely effecting land values and consequent tax generation, within the townships and region.

Today's commonly available Solar Photovoltaic Cells with a twenty five year minimum life time, can be mounted in valleys and on hillsides, rather than on scenic ridge lines, to produce greater power generation in equivalent areas of land. This approach could readily meet the State of New Hampshire's desire to meet Federal requirements for alternative energy generation and carbon emission reduction, while providing revenue to townships.

The deployment and installation of solar cells would provide equivalent employment to local residents, the lifetime maintenance and decommissioning costs would be much lower then for any wind turbine project of equivalent power generating capacity. With Solar Photovoltaic deployments, acoustic and reflective "flutter" dimensions, leading to health complaints, would not be an issue for residents of the community.

The John Muir Trust in a published report, has found that in Scotland and the North England's "Lakes District", where in excess of 2000 wind turbines have been deployed, 43% of scenic travelers and visitors, have stated that they would be disinclined to travel to these scenic regions, if Wind Turbines were to be present. This indicates that an impact could well be felt on the tourist industry here in the Newfound Lake region, if ridge line Wind Farm deployments were to take place.

Here are some specifics on an alternative Solar Photovoltaic Cell farm for the Newfound Lakes region.

- One acre (43,560 square feet) of non ridge-line land fitted with photovoltaic cells is capable of generating 680 kilowatts of power.
- 109 megawatts of power generation can be produced from 200 acres of non ridge line land that is only 80% utilized with solar cell deployments.

This is nearly 50 % more power generation ability from the same area of land, that is not impacting regional scenic views or aesthetics, than can be achieved from the proposed Wild Meadows Wind Farm (WMWF). The proposed WMWF will impact 6000 acres in order to achieve the 200 ridge line acres required for the 37 wind turbine deployments .

Clearly the country is in need of alternative energy sources, and the Newfound Region can contribute to this need with clean Solar generating deployments, that will yield higher revenues and lower life cycle costs while not impacting residents or tourists, than are available with ridge line Wind Turbine deployments.

Sincerely

William Dowey

Bristol Resident, electrical engineer and concerned citizen.