

Mining the Wind: Who Would've Thunk It??

Detailed Report

June 16, 2011

In the early days after Contact, we Indigenous were shocked when the Colonizers wanted to sell the land from under us. We objected vigorously. To us Real and Original People/Nishnaabe/Ongwehonweh, the land contains the bones and dust of our ancestors. It is not to be sold but the Newcomers sold it anyway. Then they wanted to sell the water. We were shocked and we objected. We continue to object but they are doing it anyway. Now they want to sell the wind. We were shocked and now we are objecting. Who would've ever thought the wind would become such an issue?

Over the past few weeks, we at the Eagle Watch, have scoured the internet for information on industrial wind turbines. There's lots out there and quite a growing debate.

We profiled two wind developers, Prowind and Horizon Wind Inc, both of whom want to set up wind "farms" in Ontario. What a misnomer! It's more like mining with all the associated damage and pollution.

There are many other big wind developers but these two are typical.

TWO CORPORATIONS INVADE TWO COMMUNITIES

With growing opposition to wind turbines being placed near people's dwellings, the promoters will be looking for more places to put them in the bush, that is on Indigenous communities. Watch out for that term, "remote location". It usually means dumping their toxic and wasteful projects on our land, on our doorstep, in our face. They don't care how it harms us. They presume to act with impunity because they get away with it all the time.

Two well known environmental organizations, Greenpeace and the Sierra Club SUPPORT the mega wind projects. Some people are surprised and outraged about this. We have long been aware of the self-serving hypocrites who shelter under the banner of Environmentalists. Many environmentalists support depopulation.

How much space does one wind turbine need?

"The GE 1.5-MW turbine, with a 70.5-m rotor span, therefore requires at least 48 acres per tower in a single line perpendicular to the wind (32 acres/MW) or 123 acres per tower in an array (82 acres/MW). Each Vestas V90 1.8-MW turbine, with a 90-m rotor, requires 78-200 acres (43-111 acres/MW). Tom Gray of the American Wind Energy Association has written, "My rule of thumb is 60 acres per megawatt for wind farms on land."

**Horizon aka Horizon Legacy Energy Corporation aka Horizon Wind Inc.
aka Horizon Wind Limited Partnership and Big Thunder Windpark Inc.,
aka Big Thunder Windpark Limited Partnership
vs**

Fort William First Nations and the City of Thunder Bay

Toronto based, private firm, Horizon Legacy Energy Corp. wants to put up about 20 wind turbines on the Fort William First Nation Nishnaabe territory pristine wilderness outside Thunder Bay Ontario, not far from the US border.

The Fort William First Nations community is home to about 1500 people. The colonial puppet Band Council signed an agreement in 2007 with Horizon Wind. The Nishnaabe people were not informed. They were not consulted and did not give their consent.

Thunder Bay already signed some deal with Horizon who are now suing the city for \$126million for reasons that are not clear. Many Thunder Bay residents now vigorously oppose the wind project.

Horizon president and CEO Anthony Zwig was in for a real surprise on May 30, 2011 when the Fort William Nishnaabe filled their community hall to oppose the destructive wind project. They had a lot of questions for Tony and they had plenty to say to him.

On June 1, a letter written by a Fort William Nishnaabe appeared in the NetNewsLedger. In part, it reads:

*"We, the Anishinabek peoples of Fort William First Nation, have had most of our lands and much of our way of life taken from us by settler society. Indeed, more than 8,600 acres of land has been taken by settler society for settler projects since we established our reserve. We are literally surrounded by lands that have been destroyed by settler projects. Because of this, we live with all the problems consistent with colonial oppression, including social, psychological, environmental and political pathologies. Due to this legacy, **WE WILL NOT GIVE ANOTHER INCH.**"*

"The proposed location for the Big Thunder Wind Park is in prime moose habitat. Our reliance on moose for physical and spiritual sustenance depends on healthy moose habitat surrounding Loch Lomond lake. We have seen time and again that settler projects that meet provincial and/or federal standards do little to protect our sacred relationship to moose and other animals. We gain our identity from relationships to our lands and our animal relatives; though this relationship is hard for settler society to understand, we are ready to protect it. We will not let another settler project compromise moose habitat in our traditional territory..."

Tony "Huff and Puff" Zwig is a prominent and affluent Toronto Jew and political Zionist. Tony is a philanthropist and patron of the arts just like Murray Koffler, founder of Shoppers Drug Mart and the

Canadian Council for Aboriginal Business CCAB. Tony and Walter Zwig and Murray and Tom Koffler are lifetime members of the board of governors at the Mount Sinai Hospital in Toronto. (See endnotes for more)

The Nor'Wester Mountain Escarpment Protection Committee opposes Horizon's Big Thunder wind project in and near Thunder Bay. They will be hosting a screening of the film, Windfall on Thursday June 23, 2011 at the Community Auditorium in Thunder Bay.

Another concern to the Fort William Nishnaabe is a company called Sky Power putting in a 45,000 panel solar installation on Fort William territory. The scale of such a project is also detrimental to wildlife and people who depend on our relations for survival.

Prowind vs North Gower, Carleton Place, Brinston, South Dundas Township, United Counties of Stormont, Dundas & Glengarry, Shanly, Township of Edwardsburg-Cardinal, United Counties of Leeds & Grenville.

These settler communities are all on Ongwehonweh territory between the Ottawa and St. Lawrence Rivers. Once productive farmland for early settlers, the family farm today is an "endangered species". Farmers struggle to earn a living from the soil.

Prowind is a German company with a Canadian subsidiary now based in Hamilton, Ontario. Prowind has 16 wind projects all over Germany and is now expanding into at least 8 other countries. This includes England, Ireland, Italy, France, Australia and Romania.

Johannes Busmann, a certified dairy farmer and lawyer, founded Prowind in 2000. He knows how to talk to farmers. Prowind Canada is run by money-loving Cathy Weston, president and Juan K. Anderson, project manager and aerospace engineer. Prowind likes to start the project and then sell it to someone more willing to deal with the headaches.

A North Gower farmer agreed to rent his land to Prowind for some wind turbines. Now, Prowind wants to sell the project to him. Prowind is trying to develop other wind projects in the area.

The resistance to the Prowind wind turbine installations is organized under the name, North Gower Wind Action Group (NGWAG) which is related to Wind Concerns Ontario. These people are concerned about quality of life and how wind turbines affect property values. NGWAG is hosting the screening of Windfall on June 26 in North Gower, about 20 minutes outside Ottawa.

THE PROBLEM WITH WIND TURBINES

The big wind projects cause a number of problems. Here's our short list of things we learned and then some more details about the related health issues.

1. Wind turbines are extremely ugly to look at. We think that Beauty should be a part of our Lifestyle. Wind turbines also cause strobing, flickering and reflection of sunlight that is a health issue for some people. The wind turbines being built keep getting bigger and bigger.
2. Wind turbines make hideous noise, often loud and steady like a speeding train that never arrives. It's hard on the nerves literally. Wind turbines make infrasound which the human ear cannot hear but the body feels it. People like airline pilots already get vibro-acoustic disease (VAD) from constant exposure to low frequency sound. Wind turbines emit electromagnetic radiation of various frequencies that can be harmful to health on a cellular level.
3. As more and more farmland is being used for wind turbines, developers are turning to the bush. They want to cut down trees and build more roads. Wind turbines need regular maintenance so they must be easily accessible. This is destructive to all the creatures and Life in the bush. It is murderous to Indigenous people who get their livelihood from the bush.
4. Wind turbines adversely affect birds, bats and other creatures. The wind turbines on Wolfe Island and those proposed for nearby Amherst Island are located on the migratory routes of many threatened and endangered bird species including raptors like the Bald Eagle. The presence of the turbines causes the birds to avoid these locations where they normally find food. The Kingston Field Naturalists are studying this issue.
5. There are potential dangers of chunks of ice falling from wind turbines or being flung great distances by the rotors. Anyone could get hit. Fires are also possible and have happened. The wind turbines contain plastics, resins and other substances that are very toxic when burned.
6. The promoters of wind turbines always tell you they can power so many homes and produce so many mega watts. But do they? Wind is not a constant so it is impossible to predict how much wind will occur during any given time frame. Just how efficient are the turbines at harnessing the wind's energy? A simple fact of physics is that when electricity is produced in one place and transmitted to another place, it loses power in the transmission.
7. There are security and communications concerns that the wind turbines interfere with microwave transmission and radar including at airports. Why then this big industrial wind turbine facility going up at Kingston Ontario, the east end of Lake Ontario near to the busy Canadian air force base and international airport, Trenton, less than an hour's drive to the west???
8. Proponents claim that industrial wind projects will provide jobs. Beyond the construction, this does not appear to be true at all. A minimal number of technicians and mechanics maintain the turbines once

in place.

9. In the end, the wind turbines with so many moving parts will break down into useless garbage in about 20 to 25 years. The steel rubble will lie with the crumbling concrete pads, motionless and quiet at last. The emboldened animals will creep forward to examine the debris. Plants will pop up and vines will creep over the miles of wires, batteries, broken switches and plastic shards. People will shake their heads, amazed at how foolish their fellow humans can be.

HEALTH STUDIES

Studies in England, Portugal and France where giant wind turbines have been in place for several years, find that the reports of health problems are growing. It's the noise, vibration and strobing that is making people sick and anxious.

British doctor, **Amanda Harry** has been gathering and analyzing information for about 10 years. She hears from people in Cornwall, Wales and Cumbria; from France, Germany, Denmark, Australia, New Zealand and the USA. She states, *"the wind industry has taken it upon themselves to state that there isn't a problem without looking into the issues further."*

Dr. **Nina Pierpont** in NY State has been doing her part. She says, *"Describing and documenting symptoms is the province of physicians. So is research on the causes of diseases. Deciding whether people have significant symptoms is not within the expertise of engineers or specialists in acoustics, even when the symptoms appear to be caused by noise. We physicians appreciate the noise data which engineers provide, but this data has nothing to do with whether people have symptoms or not. One British acoustics expert, Dr. Geoff Leventhall, is especially outrageous in this regard, insisting that people "can't" have symptoms because turbines "don't," he says, produce low frequency noise. His fallback, for which he is well paid by the industry, is that people make up their complaints. But he's not trained to distinguish whether people are making up their complaints, or to know about the range of physical, psychiatric, and neurological symptoms people might have. A related point: the hallmark of a good doctor is one who takes symptoms seriously and pursues them until they are understood (and ameliorated). This includes symptoms related to the brain, our most complex organ—symptoms which may be neurologic, psychiatric, or physical."*

Three doctors that Pierpont knows of studying the Wind Turbine Syndrome are herself, one in England, and one in Australia. They note the same sets of symptoms. The symptoms start when local turbines go into operation and resolve when the turbines are off or when the person is out of the area.

Pierpont describes, *"Sensitivity to low frequency vibration is a risk*

factor. Contrary to assertions of the wind industry, some people feel disturbing amounts of vibration or pulsation from wind turbines, and can count in their bodies, especially their chests, the beats of the blades passing the towers, even when they can't hear or see them. Sensitivity to low frequency vibration in the body or ears is highly variable in people, and hence poorly understood and the subject of much debate."

Professor **Mariana Alves-Pereira** is part of a team of physicians and scientists studying the pathophysiology of low-frequency noise and infrasound on humans at the University of Lisbon in Portugal. She is Assistant Coordinator of the Vibroacoustic Disease Project. Alves-Pereira and colleagues have been doing epidemiologic studies of airline pilots and technicians and other people who are chronically exposed to low-frequency noise and infrasound. The effects are grim: cardiovascular, respiratory, neurologic, and renal pathology and symptoms, which they call vibroacoustic disease (VAD).

**VAD is well established in the clinical literature. It has been amply documented and is readily detected by a variety of diagnostic tests."*

If you don't look at the evidence, you can say there is none. See more details in the Endnotes.

For the record, we are certainly opposed to nuclear reactors and the deadly toxic weapon materials they produce. We are against the oil sands extraction and the destruction of the Athabasca watershed. We know that oil, gas and coal are dirty and cause health problems. We have previously written about the big Greenwash, the money grab and how the big renewables are being developed by the same ole same ole corporate elitists. Alternative energy on a small scale is a good idea.

The main solution as we see it is conservation and energy efficiency. We don't need more and more manufactured stuff including cell phones, hummers, bombs, guns and drones. Many of us need to simplify our lifestyles and learn to use less, taking only what we need. We need to minimize waste.

In conclusion, it appears that there is growing opposition to big wind turbine facilities as people get to understand what they are all about. A new generation of Indigenous and settler people are forming alliances to fight these projects. Elders and Youth are working together. It's not over til it's over. Never give up!!

Kittoh

Notes, Sources and Contact Info

See the List-Archive: <<http://npogroups.org/lists/arc/eaglewatch>>
the Eagle Watch #70 - Energy and Strategies of Psychological Warfare: The Big Greenwash
Detailed Report September 4, 2010
the Eagle Watch #126 - Global Governance and Assimilation What a Strategy!
April 17, 2011

Fort William First Nations

<http://www.ainc-inac.gc.ca/ai/mr/nr/s-d2010/23434fs-eng.asp>

The Fort William First Nation Nishnaabe have a claim before the Canadian courts, cash compensation in exchange for land. Our ownership of the land is so different from these foreign concepts of ownership, it is like the difference between saying "my car" and "my mother".

It is the same possessive pronoun but a completely different meaning.

In its supreme arrogance, INAC writes, *"In return for this compensation, the First Nation will provide Canada and Ontario with releases to ensure the claim can **never** be re-opened. All of the parties agree that this settlement will bring closure for all concerned."*

<http://www.fwfn.com/>

[This sounds all too familiar!]

"Long before the first European explorers set foot on what is now Canada, the ancestors of the present-day members of Fort William First Nation lived along the north shore of Lake Superior near the mouth of the Kaministiquia River. Settlers from eastern Canada and Europe found the area attractive too, as demonstrated by the growth of the adjacent City of Thunder Bay (originally the towns of Fort William and Port Arthur)

"The Fort William Reserve was created in 1853, as a condition of the 1850 Robinson-Superior Treaty. The Chief and Headmen who signed the Treaty intended that the Reserve would provide not just for their children, but for their grandchildren's grandchildren. However, most of the best Reserve land was taken within about three generations."

Admin Office Office Hours: 9:00 am to 4:00 am Monday - Friday

Phone: 1 807 623-9543

Fort William First Nation Chief Peter Collins

Ian Bannon, Manager of Lands & Claims

Ontario Office of the Minister Scott Cavan (416) 314-7395

Ministry of Aboriginal Affairs Greg Flood (416) 314-9455

Minister's Office

Michele-Jamali Paquette Press Secretary

Office of the Honourable John Duncan

(819) 997-0002 Media Relations

Indian and Northern Affairs Canada INAC

(819) 953-1160

This group opposes Horizon's Big Thunder wind project near Thunder Bay.

Nor'Wester Mountain Escarpment Protection Committee

Informing residents of Thunder Bay and area of the development of Wind Energy in the area

<http://savethenorwesters.com/>

<http://en.wordpress.com/tag/fwfn/>

They will be hosting a screening of the film, Windfall
Thursday June 23, 2011 at the Community Auditorium, 7:00pm, Tickets: \$5.00 at
the door

Big Thunder Wind Power
info@bigthunderwindpower.ca
www.bigthunderwindpower.ca
<http://www.bigthunderwindpower.ca/?q=project>
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32 Court Street South
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Horizon Wind Inc. is not connected to Horizon Wind Farms based in Texas.

Horizon Wind
Nhung Nguyen, Project Developer
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Toronto, ON. M4P 1E4

Horizon Legacy Energy Corp.
Head Office 2300 Yonge Street, Suite 801 Toronto, ON M4P 1E4
Telephone 416-864-9977
There is virtually nothing at their web site: <http://www.horizonlegacy.com>

Anthony Zwig President Swift River Energy Limited
2300 Yonge Street, Suite 801. Toronto, ON M4P 1E4
416 864-9977 AZwig@horizonlegacy.com
<http://www.balafalls.ca/who.html>

How many more companies is Anthony Zwig running out of his office at 2300
Yonge Street, Toronto????

Ms. Doris Dumais
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Environmental Assessment and Audits Branch
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See the big list of wind developers here
<http://www.ic.gc.ca/eic/site/wei-iee.nsf/eng/00223.html>
Industry Canada > Information by Industrial Sector > Canadian Wind Energy
Industry
Wind Energy

HERE'S HORIZON AT CANWEA:
http://www.canwea.ca/about/membersdirectory_e.php?letter=H
CanWEA has 420 members.
Prowind is also a member of CANWEA

Canadian Legal Information Institute
<http://www.canlii.org/en/on/onsc/doc/2011/2011onsc375/2011onsc375.html>
Horizon Legacy Energy Corporation, et al v. The Corporation of the City of
Thunder Bay, 2011 ONSC 375 (CanLII)

http://www.pv-tech.org/news/skypower_begins_construction_on_10mw_fort_william_first_nation

This project is supposed to be completed this summer, 2011 and some work has already started for 45,000 solar panel "farm" or industrial solar facility. A deal has been signed by band council and company. Do the Nishnaabe at Fort William know about it???

Prowind Canada Inc.
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Email: info@prowind.com
www.prowind.com

<http://windconcernsontario.wordpress.com/>

Wind Concerns Ontario has member groups across Ontario wherever wind projects are being developed. They do not name the heads of WCO and only give a mailing address for contact:

Wind Concerns Ontario
105 Guildwood Pky, PO Box 11059
Scarborough, ON M1E 1N0
Here's the contact email for the Beckwith Responsible Wind Action
<BRWAG8@gmail.com>
and the North Gower Wind Action Group <northgowerwindactiongroup@yahoo.ca>
<http://northgowerwindactiongroup.wordpress.com/>

A related web site is <http://www.windfarmrealities.org/>

Wind Farm Realities Going Where the Evidence Takes Me
set up by Wayne Gulden who also runs the
<http://amherstislandwindinfo.com/>

Amherst Island Wind Information Web Site
From Amherst Island, Ontario, Canada
The Gem of Lake Ontario

There is already a wind project on Wolfe Island with more planned for Amherst Island and Prince Edward County Ostrander Point.

HEALTH REPORTS

1) Amanda Harry's report has an interesting diagram which shows the resonant vibration rate of different parts of the body which may be affected by low frequency vibration. This is important information for people who are accused of imagining their symptoms or lying.

This report is posted all over the internet.

The Amanda Harry report: **Wind Turbines, Noise and Health** by Dr. Amanda Harry

Report abstract:

"Wind turbines are large industrial structures that create obtrusive environmental noise pollution when built too close to dwellings. This annotated review of evidence and research by experts considers the impact of industrial-scale wind turbines suffered by those living nearby. First, the paper includes the comments by some of the families affected by wind turbines, as well as coverage in news media internationally. The experiences described put a human face to the science of acoustics.

Second, the paper reviews research articles within the field of acoustics concerning the acoustic properties of wind turbines and noise. The acoustic characteristics of wind turbines are complex and in combination produce acoustic radiation. Next, the paper reviews the health effects that may result from the acoustic radiation caused by wind turbines, as well as the health effects from noise, because the symptoms parallel one another. Primarily, the consequent health response includes sleep deprivation and the problems that ensue as a result. In addition, this paper reviews articles that report research about the body's response not only to the audible noise, but also to the inaudible components of noise that can adversely affect the body's physiology. Research points to a causal link between unwanted sound and sleep deprivation and stress, i.e., whole body physiologic responses.

These injuries are considered in the context of Human Rights, where it is contended that the environmental noise pollution destroys a person's effective enjoyment of right to respect for home and private life, a violation of Article 8 of the European Court of Human Rights Act. Furthermore, the paper considers the consequent devaluation of a dwelling as a measure of part of the damage that arises when wind turbines are sited too close to a dwelling, causing acoustic radiation and consequent adverse health responses..."

Similar problems have been found by Dr Bridget Osborne, a doctor in Moel Maelogan, a village in North Wales, where three turbines were erected in 2002. She has presented a paper to the Royal College of General Practitioners detailing a "marked" increase in depression among local people."

Note: Dr. Osborne's paper was originally, and erroneously, reported as having been "presented to the Royal College of General Practitioners". In May 2004, Dr Osborne confirmed that it was written "for the Royal College of General Practitioners North Wales Faculty Newsletter on the Physiological effects of Wind Turbines".

http://www.windfarmfactsutah.org/HEALTH_IMPACT.html

2) <http://www.savewesternny.org/health.html>

THERE IS A HUGE AMOUNT OF INFO AT THIS WEB SITE. WE HAVE ONLY TAKEN SNIPPETS FYI. Health, hazard, and quality of life near wind power installations - How close is too close?: Nina Pierpont, MD, PhD March 1, 2005..."Dizziness (specifically, vertigo) and anxiety are neurologically linked phenomena. Hence the anxiety and depression seen in association with other symptoms near wind installations are not a neurotic response to symptoms, but rather a neurologically linked response to the balance disturbances people experience from shadow flicker or low-frequency noise... Based on these health effects and hazards, turbines should not be placed within 1700 feet of any road or dwelling. Those living within 1/2 mile (2640 ft) should be apprised that they are likely to experience very bothersome levels of noise and flicker, which continue (though to a lesser degree) to a mile or more from the turbines."

Pierpont's list of symptoms:

- 1) Sleep problems: noise or physical sensations of pulsation or pressure make it hard to go to sleep and cause frequent awakening.
- 2) Headaches which are increased in frequency or severity.
- 3) Dizziness, unsteadiness, and nausea.
- 4) Exhaustion, anxiety, anger, irritability, and depression.
- 5) Problems with concentration and learning.
- 6) Tinnitus (ringing in the ears).

Chronic sleep disturbance is the most common symptom. Exhaustion, mood

problems, and problems with concentration and learning are natural outcomes of poor sleep.

Nina Pierpont, MD, PhD
MD, The Johns Hopkins University School of Medicine, 1991
PhD, Population Biology, Princeton University, 1985
BA, Biology, Yale University, 1977
Fellow of the American Academy of Pediatrics
www.ninapierpont.com

3) <http://www.windaction.org/news/10053>
<http://www.savewesternny.org/health.html>

Dept. of Environmental Sciences & Engineering, New University of Lisbon, Caparica, Portugal, Professor Mariana Alves-Pereira (an acoustical engineer) and Dr. Nuno Castelo Branco (a surgical pathologist) recently took numerous noise/vibration measurements within a Portuguese home surrounded by four (4) industrial wind turbines. The closest turbine is nearly 1000 feet (300 meters), from the affected home. The turbines have been operating since November 2006. The report concludes:

"These results irrefutably demonstrate that windmills in the proximity of residential areas produce acoustical environments that can lead to the development of VAD vibro-acoustic disease in the nearby home-dwellers. In order to protect Public Health, ILFN-producing devices must not be placed in locations that will contaminate residential areas with this agent of disease."

4) a report from the National Academy of Medicine in France, warning of wind turbine noise.

Following is a translation of a notice of the report by Dr. Chantal Gueniot in "Panorama du Médecin", 20 March 2006:

Wind turbines: The Academy Cautious

"The harmful effects of sound related to wind turbines are insufficiently assessed, warns the Academy.

...

Studies conducted in the neighborhoods of airports have clearly demonstrated that chronic invasive sound involves neurobiological reactions associated with an increased frequency of hypertension and cardiovascular illness. Unfortunately, no such study has been done near wind turbines. But, the sounds emitted by the blades being low frequency, which therefore travel easily and vary according to the wind, they constitute a permanent risk for the people exposed to them.

5) More Health Studies:

Barbara J. Frey and Peter J. Hadden, "Noise Radiation from Wind Turbines Installed Near Homes, Effects on Health" (2007)

Eja Pedersen, "Human response to wind turbine noise - Perception, annoyance and moderating factors, Occupational and Environmental Medicine," The Sahlgrenska Academy, Gotenborg 2007

Robin Phipps, "In the Matter of Moturimu Wind Farm Application, Palmerston North, Australia," March 2007

WHO European Centre for Environment and Health, Bonn Office, "Report on the third meeting on night noise guidelines," April 2005

More Notes from <http://www.savewesternny.org/health.html>

The head of a powerful European committee on the environment has called for an independent inquiry into the health effects of wind turbines. South West Conservative MEP Dr Caroline Jackson, who is chairman of the European Parliament's Committee on Environment, Public Health and Consumer Policy, says

she will also be calling for EU research funding.

Flicker Induced Health Risks: Chatauqua County Citizens For Responsible Wind..."There are two distinct types of flicker associated with wind turbines. Shadow flicker arises as the shadow of the moving turbine blades moves across the ground. This type of flicker is most common when the sun is at a low angle in the sky, such as mornings and evenings in the summer and just about any time in the winter. These shadows can extend great distances from the base of the turbine, particularly when the shadow is downhill from the turbines... The second type of flicker that can arise from wind turbines is strobing. Strobing occurs when turbine blades catch the sun and reflect it back towards the viewer. Since a turbine blade will be in the position where this reflection takes place up to 60 times per minute (20RPM X 3 blades) the effect is like a strobe light. Strobing can occur at any time of day and can happen anywhere the turbines can be seen - especially from the south, east and west. He is also CEO and chairman of Swift River Energy Limited, a hydroelectric developer. The most severe, though by no means the only health risk associated with shadow flicker and strobing is seizure. It is a known fact that flickering or strobing light can cause seizure in susceptible individuals. Other risks due to flicker and strobing include headache, loss of balance, nausea and disorientation. Having a seizure is a severe medical issue but if that seizure, or for that matter disorientation, were to take place while a person was driving a car or operating farm equipment, it could be devastating to that individual and family."

Microwave interference and radar including airports

Wind Farms and their Effects on Public Safety Radio Systems: Summary:... "In many parts of the country, wind farms are being installed to alleviate the need to build more electrical generating plants. These wind farms can have a profound effect on your public safety, utility, and governmental microwave systems by chopping and reflecting the microwave beam."

Ministry of Defence and Radar Interference: Humble Hill, Kielder...

"In the Spring 2000 edition of OpenView we featured an article about the need to take account of military and civil radar interference from windfarms. Two projects (07-02Graigenlee Fell in Galloway and 08-07Humble Hill, Kielder Forest, Northumberland) were mentioned and both have since been rejected or withdrawn after MOD objections."

"..the Ministry of Defence objected to the original proposal on the grounds that the wind turbines would interfere with primary and secondary radar therefore impairing the effectiveness of the nearby Spadeadam Electronic Tactics Range (EWTR). In an effort to overcome the MOD's objection the Company reduced the number of wind turbines and reconfigured their location on the site. To this effect the Company submitted a variation to the application.....the MOD maintained their original objection, that is, a windfarm operating in the vicinity of the ETWR would be unacceptable as the training facilities of the EWTR are unique and imperative for the front-line training of RAF crews. MOD believe that the proposed windfarm would interfere both with radar and also with low flying, creating an acute safety hazard to both to members of the public and RAF crews.The MOD indicated that current studies have not conclusively proved that the rotating action of wind turbine blades has no effect on ground and airborne radar. Therefore they rely on their own research which concludes that wind turbines cause interference to primary surveillance radar and also that detection and tracking of aircraft flying over a windfarm is extremely difficult since the responses between the aircraft and the turbine cannot be distinguished."

<http://www.windfarmfactsutah.org/ENVIRONMENTAL-IMPACT.html>

This prolific web site includes a list of wind farms in the US.

BALD EAGLES DO LIVE IN NEW HARMONY, UTAH
contrary to Wasatch Wind's ornithologist statement that we do not have Bald Eagles.

Commercial Wind Power Plants will decimate our deer herd.

Bumblebee (Harmony Mountain) is, among other things, a nursery for mule deer. It is a perfect place for deer to give birth and raise their young. Once there is an increase in human activity, the harmful turbine sound, vibration, and shadow flicker, the deer will no longer feel it is a safe place to raise their young. The proposed roads will cut across the top of Bumblebee and impact the deer. More roads built a higher kill ratio during hunting season, resulting with further decimation of the deer population.

National Wind Watch

<http://www.wind-watch.org/documents/simple-guidelines-for-siting-wind-turbines-to-prevent-health-risks/>

Paper presented at Institute of Noise Control Engineering (INCE) NOISE-CON 2008, July 28-31, 2008

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Rev. 1.0, July 27, 2008

<http://www.windcows.com/NOISE.html>

<http://kingstonfieldnaturalists.org/>

The Kingston Field Naturalists (KFN)

MORE ON THE ZWIGS

http://www.mountsinaiannualreport0708.ca/bcl_found.php

http://www.mountsinaiannualreport0809.ca/bcl_msh.html

http://www.nationalreport.utoronto.ca/national/1999/friends_support1.htm

At the University of Toronto, the Zwigs and Kofflers are big donors. In 1999, Murray and Marvella gave \$10million as did Sandra and Joseph Rotman. Peter Munk of Barrick Gold Corporation and TrizecHahn Corporation gave between \$5 and \$10million. Tony Zwig gave less than \$100,000. Other donors include well known crooks like lawyer Eddy Greenspan, Leonard Asper, John Seagram, former Ontario premier and online gambling profiteer, David Peterson, Charles Bronfman as well as The Samuel and Saidye Bronfman Family Foundation. Who pays the piper calls the tune. The list goes on and on and includes Conrad Black, Annie Wong Art Foundation and the Wu Yee Sun Charitable Foundation.

This link just in from Censored News

<http://hubpages.com/hub/World-Largest-Gold>

World Largest Gold and Copper Mine Reko Diq Balochistan - Pakistan

"...

'Below the sands lie some 12.3 million tons of copper and 20.9 million ounces of gold. The copper-gold deposits at Reko Diq are believed to be even bigger than those of Sarcheshmeh in Iran and Escondida in Chile'.

"The Reko Diq project is a large copper-gold porphyry resource on the Tethyan belt, located in the dry desert conditions of southwest Pakistan within the remote and sparsely populated province of Balochistan . The Tethyan belt is a prospective region for large gold-copper porphyries.

"Reko Diq is a giant copper and gold project in Chaghi. The main license (EL5) is held jointly by the Government of Balochistan (25%), [Chilean] Antofagasta Minerals (37.5%) and Barrick Gold (37.5%)

"Actually Barrick has a 50% interest in Tethyan Copper Company (the other 50% is owned by Antofagasta plc), which has a 75% interest in the Reko Diq project and associated mineral interests (for a resulting 37.5% interest in Reko Diq).

"As of December 31, 2008, Barrick's share of measured and indicated and inferred gold resources is 8.5 and 8.4 million ounces respectively. Barrick's share of measured and indicated and inferred copper resources is 11.5 and 8.5 billion pounds respectively.

"...Barrick Gold, responsible for the deaths of Indigenous Peoples around the world, began its onslaught on the sacred lands of the Western Shoshone at Mount Tenabo during the Thanksgiving holidays. Before leaving office, President Bush Sr. made it possible for Barrick to lease lands for gold mining in Nevada . Once out of office, Bush Sr. went to work for Barrick as a senior consultant. [along with Brian Mulroney, former Canadian PM]

"...Barrick Gold Corp., which began the destruction of the Western Shoshone's Mount Tenabo region during Thanksgiving, was voted the fourth Worst Company in the World...In Australia, DR Congo, Ghana , Tanzania and New Guinea , Indigenous Peoples are fighting Barrick's destruction in solidarity with the Western Shoshone...

"According to Marcel Claude, vice-president of the international environmental group Oceana, gold mining dumps 79 tonnes of waste for every 28 grams of gold and produces 96 per cent of the world's arsenic emissions."

<http://www.multiculturalcanada.ca/node/17725>

These wealthy philanthropists go way back together as can be seen at this link to a 1961 copy of the Canadian Jewish Review. Both the Kofflers and the Zwigs are honorary patrons when the Israel Philharmonic Orchestra performed at Massey Hall.

The Helen and Walter Zwig Family Foundation donates to chess tournaments and the Canadian Opera Company's Four Seasons Centre for the Performing Arts. The Four Seasons Hotels were started by Murray Koffler and Isadore Sharp.

PHILANTHROPIST - a person who robs the people and then makes a big show of giving back some crumbs.