

Community-based health survey

Ontario

A self-reporting survey: adverse health effects with industrial wind turbines and the need for vigilance

July 2009

Abstract

This abstract provides readers with the findings of a community-based self reporting health survey.

Modern wind turbine projects typically include large numbers of industrial scale wind turbines which stand nearly 400 feet tall and produce some megawatts of electricity. In addition to the turbines themselves there is an accompanying infrastructure of sprawling high voltage transformer stations and miles of transmission lines. In Ontario some of these industrial machines have been built within 350 metres from family homes. It is now emerging that whenever industrial wind turbines have been located near peoples' homes, family members are reporting adverse health effects. Some of these families have been forced to abandon their homes in order to protect their health. This phenomenon is occurring world wide, not just in Canada.

Electrical generation from industrial wind turbines is a relatively new phenomena globally and particularly in Ontario. Over a number of years, international media have reported adverse human health effects attributed to wind turbine complexes.

Researchers and victims have reported altered living conditions, loss of enjoyment of homes and property, and ill health as a result of industrial wind turbines. The adverse health reports are consistent globally and across 3 continents.

Major wind turbine projects were launched in 2006 in Ontario and within a short time, reports about ill health started to appear. In January, 2009, Wind Concerns Ontario solicited volunteers to conduct a health survey. Distribution of the community-based self reporting health survey started in March 2009.

The findings of the health survey were presented on April 22, by Dr. Robert McMurtry, former Dean of Medicine at the University of Western Ontario, to the Ontario Government's Standing Committee while it was examining Bill 150, the Green Energy Act. With the efforts of volunteers

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and a nominal budget from donations, the health survey revealed that out of 76 respondents, 53 reported at least one adverse health effect they suspect is related to industrial wind turbine exposure. The average number of symptoms per individual reported was 5.

The health survey is ongoing and as result the number of 53 victims has since risen to 86 as responses continue to be submitted.

Sleep disturbance was the most common complaint. Other health complaints include inner ear problems, mood disturbances, cardiac arrhythmias, and headaches. Several suffered acute hypertensive episodes which are most serious and worrisome.

Comments provided by respondents are both revealing and disturbing. No authority or compassionate member of our society can ignore the moving descriptions of the victims' experiences. They describe disturbed living conditions, loss of quality of life and enjoyment of their home and property, financial loss and the negative impact to the health of their families, including children. These comments are included in this report.

This community-based self reporting survey fills a void regarding the lack of a Canadian vigilance and surveillance program for industrial wind turbines. The willingness of the victims to participate in the survey serves to reinforce the critical need for a robust vigilance program which encourages victims to self report suspected adverse health effects from these industrial wind turbines. In addition, long term surveillance is required. There are unanswered questions about infants, children, and the unborn whose mothers are exposed, family members and workers such as farmers and technicians who live and work in close proximity to the wind turbines.

When uncertainty exists and the health and well-being of people are potentially at risk, it is appropriate to invoke the precautionary principle. Until these authoritative guidelines are put in place based on the best available evidence, the Province of Ontario ought not to proceed with any further development of industrial wind turbines.

The development of these guidelines must be based on a rigorous epidemiological evaluation of the adverse health effects of industrial wind turbines.

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Health Survey Summary

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#	Age	Gender	Occupation	Distance from turbine	Time at property	Health altered	Headaches	Palpitations	Excessive tiredness	Stress	Anxiety	Tinnitus	Hearing problems	Sleep disturbance	Migraines	Depression	Other	Approached doctor	Altered quality of life
1	54	f	farmer	800	30.5	No	No	No	No	No	No	No	No	No	No	No	n/a	Yes	
2	56		farmer	800	31	No	No	No	No	No	No	No	No	No	No	No	n/a	Yes	
3	56	m	farmer	800	35	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
4	53	f	homemaker	800	34	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
5	45		cmi	1200	45	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	No	No	Yes	
7	50	m	self empl	800	49	Yes	Yes	Yes	Yes	Yes		Yes		Yes	No	No	No	Yes	
8	53	m	farmer	950	52	Yes	Yes			Yes					No	No	Yes	Yes	
9	n/a		farmer	1000	8	Yes	No	No			Yes	Yes			No	No	Yes	Yes	
12	63	m	retired	717	32	Yes	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes
13	60	f	retired	717	32	Yes		Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes
16	47	f	ed Asst.	1600	20			Yes				Yes					Yes	No	
17	47	m	truck driver	1600	20	unsure	Yes	Yes									Yes	No	
18	28	f	teacher	717	18	Yes	Yes	No	Yes	No	No	No	Yes	No	Yes	Yes	No	Yes	Yes
19	29		soc. Worker	717	vis	Yes	Yes	No	No	Yes	No	Yes	No	No	No	No	No	Yes	Yes
21	50	f	sales	457	4	Yes	No	No	Yes	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes
22	52	m	seld empl	457	4	Yes	Yes	Yes	Yes	Yes	Yes	Yes						Yes	Yes
23	26	f	graphic	800	26	No												Yes	Yes
24	59		retired	700	13	Yes	Yes	No	Yes	Yes		Yes	Yes	No		Yes	Yes	Yes	Yes
27	31	m	farm	3500	2	No													
33	53	m	truck driver	1200	30		No	Yes	No	No	Yes	Yes	Yes	No	No	No	No	Yes	Yes
34	53	f	farmer	1200	30	Yes	Yes	?	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes
38	50	m	farmer	350	10	Yes	Yes	No	No	Yes	No	No	No	No	No	No	No	Yes	Yes
39	71	f	retired	983	3	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes
40	67	m	retired	548	30	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	?	Yes	Yes	Yes	Yes
41	67	f	retired	548	30	Yes	Yes	Yes	Yes	Yes		Yes						Yes	Yes
44	65	f	retired	n/a	n/a	Yes	Yes	Yes							Yes	Yes	Yes	Yes	Yes
45	24	m	police officer	800	11	Yes	No	No	Yes	No	No	No	No	No	No	No	No	Yes	Yes
46	22	m	engineer	808	11	Yes	Yes	No	No	Yes	No	Yes	No	No	No	No	No	Yes	Yes
47	19		student	808	19	Yes	No	Yes	Yes	No	Yes	No	Yes	No	No	Yes	Yes	Yes	Yes
48	21	f	student	808	0.25	Yes	Yes	No	Yes	No	Yes	No	Yes	No	No	No	No	Yes	Yes
49	53	f	teacher	808	11	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes
50	51	m	carpenter	808	11	Yes	Yes	No	Yes	Yes	n/a	No	Yes	No	No	Yes	No	Yes	Yes
51	45-60	m	technician	1000	26	Yes								Yes			No	Yes	Yes
52	45-60	f	homemaker	close	21	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes		No	Yes	Yes
54	53	m	ems	1000	0.67	No												Yes	Yes
58	68	m	ret'd farmer	650	39	Yes	Yes			Yes		Yes					No	Yes	Yes
59	42	m	bus/farmer	1000	19	Yes	No	No	Yes	Yes	Yes	Yes	No	No			Yes	Yes	Yes
60	60	f	retired	750	10	No	No	No	No	No	No	No	No	No				Yes	Yes
61	45-60		manager	500	20	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes			Yes	Yes	Yes
62	30-45	f	food_prep	500	20	Yes	Yes	No	Yes	No	Yes	Yes	No	Yes			No	Yes	Yes
65	>60	m	farmer	450	45	Yes	No	No	No	Yes	Yes	No	No	No			Yes	Yes	Yes
66	>60	m	farmer	650	62	No												Yes	Yes
67	56	f	homemaker	uncle	30	Not					Yes							Yes	No
68	45-60	f	retired	1300	32	Yes	Yes	No	Yes	Yes	Yes	No	Yes	No	Yes		No	Yes	Yes
69	36	m	firefighter	550	5	Yes	No	No	Yes	Yes	No	No	Yes	No	Yes			Yes	Yes
70	39	f	sales	550	5	Yes	Yes	No	Yes	No	Yes	Nos	Yes	Nos	No			Yes	Yes
71	30-45	f	access control	704	5	Yes	Yes	Yes										No	Yes
72	30-45	m	millwright	700	2	Yes	Yes	Yes	Yes	Yes		Yes		Yes			No	Yes	Yes
73	70	f	homemaker	800	37	Yes	Yes	Yes	Yes	Yes	No	No	Yes	No	Yes		Yes	Yes	Yes
74	44	f	unemployed	400	10	Maybe		Yes				Yes			Yes			Yes	Yes
75	43	m	electrician	400	43	Maybe		Yes		Yes		Yes			Yes			Yes	Yes
76	44	f	farrier's	n/a	n/a	Yes	Yes	Yes										No	Yes
77	>60	m	retired	<1000	30pr/12ft	Yes										Yes	No	Yes	Yes
78	65	m	retired	800	6	Yes	Yes	Yes	Yes	Yes	Yes	Yes					Yes	Yes	Yes
79	63	f	teacher	800	6	Yes		Yes		Yes							No	Yes	Yes
80	79	f	retired	600	5	Yes	No	No	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
81	58	f	farmer	1100	33	Yes	Yes	Yes	Yes	Yes	Yes	Yes			Yes	No	Yes	Yes	Yes
82	68	m	farmer	1100	33	Yes		Yes	Yes	Yes	Yes	Yes			Yes	Yes	Yes	Yes	Yes
83	45-60	f	healthcare	600	22	Yes	Yes	No	Yes	Yes	No	Yes	Yes	No	Yes	Yes	No	Yes	Yes
84	>60	m	electrician	600	22	Yes	No	No	Yes	No	No	No	Yes	No	No	Yes	No	Yes	Yes
85	45-60	m	retired	573	25	Yes		Yes	Yes	Yes	Yes					Yes	No	Yes	Yes
86	59	m	farmer	800	22	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
87	46	m	mechanic	360	46	Yes	Yes	Yes		Yes		Yes	Yes				Yes	Yes	Yes
88	45-60	f	bookkeeper	<500	23	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes		Yes	Yes	Yes
89	45-60	?	45-60	<500	14	Yes	Yes	No	Yes	Yes		Yes	Yes				No	Yes	Yes

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90	69	m	retired	450	20	Yes	No	No	Yes	Yes	No	No	No	No			No	Yes	
91	66	m	retired	1000	31				Yes	Yes							No	Yes	
92	32		student	500	1	Yes	Yes	No	Yes	No	Yes	No	Yes	No	Yes		Yes	Yes	
93	46	f	homemaker	600	visitor	Yes										Yes	No	n/a	
94	68		retired	500	16	Yes	No	No	Yes	No	No	Yes	No	No			No	Yes	
95	71	m	retired	500	16	Yes			Yes			Yes						Yes	
96	51	f	housewife	700	17	Yes	"	"	"	"	"	"	"	"	"	"		No	Yes
97	46	m	retail	700	17	Yes			Yes									No	Yes
98			retired	2000	27	No						Yes						No	Yes
99	44	m	exec director	5000	11	Yes	No	Yes	No	Yes	Yes	No	No	Yes	No	No		Yes	Yes
100	39		admin assistant	5000	11	maybe		Yes				Yes						No	maybe
101	62	m	trucker	900	10	Yes	No	Yes	Yes	Yes	No	No	No	No	No	No		Yes	Yes
102	62	m	carpenter	500	years		Yes				Yes		Yes						
103	68	m	retired	750	11	Yes	No	No	No	No	No	No	No	No	No	Yes		No	Yes
106	45-60	f	hairstresser	400	20	Yes			Yes	Yes	Yes		Yes					No	Yes
107	52	f	Med. Secretary	600	13	Yes	Yes		Yes		Yes	Yes	Yes	Yes				No	Yes
108	44	m	Carpenter	482	5	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
109	36	f	Administration	482	1(visitor)	Yes	Yes	No	Yes	Yes	No	Yes	No	Yes	No	Yes	No	No	Yes
110	60	f	teacher	800	1	Yes	No	No	No	Yes	Yes	No	No	Yes	No	Yes	Yes	No	Yes
111	62	m	builder	800	1	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes			Yes	Yes
112	83	f	Retired	800	1	Yes									Yes	Yes	Yes	Yes	Yes

Not affected: 26 respondents with no health effects

6	86	f	homemaker	800	30	No													
10	61	f	psw	?	17	No													No
11	63	m	farmer	?	17	No													No
14	28	m	farmer	500	6	No													Yes
15	27		accountant	500	3	No													Yes
20	51		Soc. Serv.	1000	7	No													
25	57	f	retired	1000	19	No													No
26	56	m	teacher	1000	19	No													No
28	65	m	crusher op.	500	38	No													No
29	60	f	homemaker	500	38	No													No
30	28	m	farmer	1200	28	No													No
31	64	m	farmer	800	40	No													No
32	60	f	greenhouse	800	40	No													No
35	42	f	clerk	800	9.5	No	No	No	No	No	No	No	No	No	No	No			No
36	39	m	carpenter	800	9.5	No	No	No	No	No	No	No	No	No	No	No			No
37	43	f	cook	?	13	No													
42	66	m	sales/farmer	800	26	No	No	No	No	No	No	No	No	No	No	No			No
43	?		retired	800	26	No													
53	n/a		trucker	800	45	No													No
55	n/a	f	homemaker	700	13	No	No	No	No	No	No	No	No	No	No	No			No
56	42	f	supervisor	n/a	4	No													No
57	44	m	mechanic	n/a	4	No													No
63	?		farmer	1005	34	No													No
64	?		farmer	2006	40	No													No
104	63	f	retired	close by	7	No													No
105	61	m	police officer	close	7	No													

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Comments

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Note:

All spelling & grammar reproduced as found on survey sheets

#1

8)[health affected] not sure at this time

10) [quality of life altered] The noise of the turbines is what bothers me. On a windy day, they can sound like a jet is coming right at you. They are much louder than we were led to believe they could be.

In the summer when we have the windows open we have to sleep with the fans running to drown out the constant pulse of the windmills. In the winter, when it is windy, you can still hear & sometimes feel the pulsing of the windmills right through the walls.

Thankfully, the 3 closets windmills to our home are not lined up so they are not aimed at our residence at the same time.

More research into the effects of windmills should definitely be undertaken. We don't need neighbourhoods of people who have to vacate their homes b/c we have allowed turbines and their owners to take over & their effects on birds & animals. Why not people too.

11) We have not had a dog since the wind turbines were erected. We used to have barn cats, but there have been none in the barn this year.

#2

8)[health affected] No

10) [quality of life altered] On windy days we hear the turbines. Bothers me when sleeping during summers with the windows open.

#3

9)[other] High blood pressure 217/124

Had a foot that don't heal until I moved out of the house

Yes [contact doctor] Blood pressure, urine test, Doppler test, heart machine, on blood pressure pills now (Mavik 1Mg) Trandolapril [sp?]

10) [quality of life altered]

1. Had to move out of my home, just come home now to feed the cattle.
2. Our home can't be sold due to the problem per real estate agent.
3. Family events can't take place at home
4. Financial problems due to keeping two homes

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5. Always sick, depressed and bad tempered when at home but when away for a short time feel much better. (Much better in the second house which I had to buy)
6. Had family problems until we moved out.
7. Feel no cares or believes us.

Bottom line:

They took life away as we knew it before the wind farm, same house value Φ sick all the time, financial stress now, world turned upside down.

11) 2 house dogs always sleeping, ear problems itching all the time. Moved the dogs out of house now they are fine.

#4

9)[other] Legs sore all the time

Blood tests, ear testing, eye testing

10) [quality of life altered]

1. Moved out of house July 2008 until present time
2. Family problems because of family living in two places
3. Our finances are not as good because of living in two places
4. All family events including Christmas has not been in our family home
5. I always felt sick and very depressed when I was in the house and went to bed to try to get away from it.
6. The wind farm didn't seem to care.
7. No one should have this happen to them we were fine before the wind farms came

11) Yes 2 dogs always sleeping, itching, ear problems. Now they are fine when they are in different home.

#5

8)[health affected] Yes for sure!

10) [quality of life altered] I can no longer sleep at all in the summer with my window open because the noise drives me nuts. I also hear it sometimes when the windows are closed. The scenic landscape has been ruined both in the day and at night. I have had people over and we would be sitting outside at night and they tell me that those red lights would drive them crazy.

It would be hard for me to say what is worse the noise or the lights.

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11) – Dog – yes now when I let him out at night He is Hyper and runs out and barks at nothing.

#7

8)[health affected] Yes,I have lost sleep, my appetite and gained headaches.

9)[other] Not yet I will contact my doctor for a check up regarding my health.

10) [quality of life altered] I have lost sleep and suffered headaches. Last year in March 2008 for one week I suffered nasty headaches, I had no appetite and could not sleep. Never before have I endured such painful headaches in my life.

#8

8)[health affected] Yes, I have performed electrical pollution testing in the homes affected and now have similar symptoms as the affected residences

9)[other] No have not consulted a doctor

10) [quality of life altered] Depending on wind direction and wind speed can hear closest turbine in our bedroom at night.

#9

10) [quality of life altered] Sleep disturbance has been the biggest thing, falling asleep for a short time and then waking up with difficulty (an hour or two) to get back or else not falling asleep at all until 2 hours after going to bed.

#12

8)[health affected] GEATLY AFFECTED.

9)[other] High Blood Pressure

Seen Doctor and have been put on Blood Pressure Medication. Chest X-ray

10) [quality of life altered]

- We have electrical pollution in our home
- Turbine noise heard in home and outside
- Causing sleepless nights, headaches, and ringing in our ears.
- It has dropped the value of our home
- Loss of enjoyment of our home

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- Because of the electrical pollution our family cannot come home to visit because it is dangerous to their health.

#13

9)[other] DR. XX has given me a medical letter stating before late 2007 I had not been seen at his office for any of the symptoms listed below.

April 30/08 Dr. XX – complaint humming in ears, anxiety, stress, sleep disturbances. Removed wax from ear (rt) prescribed Rx meds for anxiety and stress. May 27/ Audiologist testing. July 15/08 Dr. XX – heart palpitations – halter monitor X 48 hrs. July 7/08 Audiologist – check tinnitus match – 3000Hz @ 15db Oct. 1/08 Dr. XX – same complaints / recommends - avoidance of home.

10) [quality of life altered] Everything in my life has changes since the town_x Wind Turbine Project company_x has been in operation. I feel my health has been compromised. I have felt generally unwell physically and mentally since March 24/08. Also Sensitivity to white noise and sounds has increased. My ears are either humming or feeling pressure on them / heart palpitations continue usually while sleeping. My anxiety and stress levels continue to be high. We have discouraged our two daughters and son-in law from visiting. They have also experienced health issues when visiting. The damage that has been done to my body – scares me what will happen in the future. At 60 – I wanted to enjoy my retirement with reasonable good health and now everything has blown up in our faces. We spent 5 weeks in Florida Jan 26 – March/09 improvement in health. Loss of enjoyment of working outside with flower beds and yard. Our property value has been greatly decreased. We are still having problems with electrical pollution. Constant reminder in every direction of our property – turbines. A very uncertain future!!

#14

10) [quality of life altered] Pays some bills with the extra income.

#15

10) [quality of life altered] A little extra income doesn't hurt!

#16

Received sleeping pills

#17

8)[health affected] Unsure if it is windmill related but I do have [...checks off symptoms]

9)[other] Doctor's appt in Jan09, only change a crestor 10mg to 5mg

#19

8)[health affected] Yes during xmas 2008 I felt pressure in my head & ringing in my ears

9)[other] [visit doctor] not at this time

10) [quality of life altered] I am unable to come home to visit my parents as often as I would like. Due to my parents ongoing adverse health effects I feel discouraged & our family dynamic has change. My childhood home no longer feels like a place to relax & where I can be in a peaceful environment. I am sick over what the turbines have done to my family & community. My quality of life has definitely been affected.

11) My dog was unable to relax in this environment.

#18

8)[health affected] Yes –whenever I am there!

9)[other] [other] Pressure in my ears or ear aches tightness feeling in my head

[doctor visit] Not at this time, these symptoms only occur around the Ripley Wind Project and not at my own residence.

10) [quality of life altered] As a teacher who spends most of my summer relaxing at home& was disrupted in July/Aug 2008 when I would leave each night with my mother to drive 10 min to a hotel in Kincardine because of the above symptoms. This is something she did for months, it was disruptful for the few weeks I did it, not a peaceful relaxing environment. In December 2008 when I arrived home to my parents on the first night for Christmas the pressure in my head and ears hurt so bad that I had difficulty sleeping and considered spending the rest of the week at a relative's home away from the wind turbines. These are regular occurrences when I visit, and now sometimes think twice before going as I don't know how bad it will be this time, which makes going home no longer relaxing and peaceful like it once was. I also worry on a daily basis for the health and well being of my parents who live through this daily and the negative health impacts and stress worries me greatly. It also causes me stress that the value of my family farm has dramatically been reduced due to these wind turbines.

11) Thank you for organizing this health survey. My family greatly appreciates it.

#20

8)[health affected] Not really

11) Haven't noticed anything

#21

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[palpetations] sometimes – not often

[stress] at times frustration

[tinnitus] sometimes not often

9)[other] [other] vibration/hum in house that gets into the head & body & makes sleep impossible.
Torturous some nights, some not as heavy but there. Teeth seem to tingle

No treatment – waiting for closure – do not want to take any medications. Follow up visit to come after yearly physical.

10) [quality of life altered] Noise levels very high. Whooshing noise is very irritating. Cannot sleep anymore. Have horrible vibration in the house and dog very upset. Spend nights on couch with TV and try to block out humming. Extremely tired and not functioning at cognitive and physical levels that I normally would. It is very distressing and invasive. My house is worth nothing now. I could never sell it. Angry, sad, disillusioned, exhausted.

11) Dogs & cats. 1 dog extremely antsy and whining & barking when vibration/noise levels are high. 2nd dog is just starting to show symptoms similar.

#22

10) [quality of life altered] Lack of sleep – stress and home unsellable adds to stress level. Low / 60Hz Found in home keeps one up and makes left ear ring.

11) One dog barks at night for no reason – can't sleep in bedroom.

#23

6) On windy days, there is a constant pulsing noise. It is not pleasant to listen to while trying to get to sleep.

The “flicker effect”. The turbines cast large shadows. In the last hours of the day, whole rooms at the west side of the house will “flicker” as the shadow of the windmill comes in and out of the room. The red blinking lights at night. Driving at night, there are 38 red blinking lights in an otherwise pitch black area. The lights are distracting, and an eye sore to the landscape.

11) We no longer have any barn cats.

#24

[comment]Because I have a conflict of interest, I am not signing my name but I do not want anyone else to suffer as we did for 8 or 9 months.

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8)[health affected] Yes, from shortly after the turbines were put in operation until the transmission line was partly buried, more insulators put on, extra grounding done. Now, as far as I know, I am in good health again.

9)[other] Yes, until the problem was fixed. (fall of 08)

[excessive tiredness], because of electrical humming, could not get a good sleep.

[stress anxiety] of trying to get problem fixed.

[tinnitus hearing] I had earaches that got more and more severe. Please note: My spouse also developed earaches and headaches during this time but not as soon as me.

[migraines] I had a really bad migraine before I moved out for 3 months completely - did not return home at all except once to try it again briefly.

I did approach my doctor but he said he really wasn't knowledgeable about wind farms. A substitute doctor gave me an antibiotic to make sure there was no infection in my ears. I took the antibiotic but my ears just got worse.

10) [quality of life altered] Until the problem was fixed, I could not live at home. This was very disruptive to my life.

At first we thought the windmills themselves were the problem. However, once we had electrical testing done, we concluded the problem at our farm had more to do with harmonics and induction causing backfeed on the lines into our house. Putting our residential line on the same pole as the unfiltered or insufficiently filtered transmission lines from the wind turbines created this problem. Please note: The problem at our place has been fixed since last October since transmission lines were partially buried and extra insulators installed and extra grounding done on the dead pole south of the pole where the lines go underground. Suncor and Acciona did reimburse us for any expenses which we appreciated.

11) Once the turbines started up, our cats would not come in the house or go in the shed. Shortly after the electrical problem was fixed, the cats started going back in the shed again and in the house.

#27

10) [quality of life altered] I do not know if any changes have or can be attributed to the windmills because of the time span that I have lived at this residence. I would have to mention that through personal experience at work, which is very close to the windmills my life would be seriously altered if I lived any closer. I am quite surprised at how loud the windmills can be when surface wind speeds are low but wind at higher altitudes are swifter. I feel that this noise would very easily affect my sleeping as I'm a very light sleeper.

#28

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11) 2 cats - no change.

#29

2 cats - no change.

#30

11) We have 50 dairy and young, 100 beef cows and young and so far no ill effects.

#31

11) No changes as of yet in our animals.

#32

11) We have a dairy farm and no we haven't seen any changes.

#33

9)[other] not approached doctor

10) [quality of life altered] not sleeping.

#34

[palpetations] pressure in chest, dull and stabbing pain in chest

9)[other] joint pain, numb face, dizziness, feeling cold a lot.

Yes, doctor is aware and looking for a referral to an enviromental specialist - so far no luck - not sure what next step will be.

10) [quality of life altered]Along with the above symptoms - experiencing a general lack of wellness.

#37

11) I live on a farm. My cows and dogs are fine.

#38

8)[health affected]Morning headaches and some ringing in the ears.

9)[other] No, I've not approached my doctor. I just returned from Manitoba at Xmas.

10) [quality of life altered] I farm in Manitoba (8 months/year) and Ontario (4 months/year) and when I'm here in Ontario I develop headaches. I take 3 tylenol(500mg) every morning and then I'm good to

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go.

#39

9)[other] severe headaches, but migraines?

[doctor] No doctor

10) [quality of life altered] Headaches etc. prevent me from living my life the way I would like too.
Also my home seems to be unstable the way it is, ie turbines in the vicinity.

11) Don't know

#40

Struck/hart palpetations

9)[other] Stress tests/ blood tests to numerous to count.

10) [quality of life altered] I now live on drugs that don't seem to help.

11) Livestock were all sold of due to problems that could not be explained. (Nervousness)

#41

10) [quality of life altered] Forced to sell our property, take less then what it was really worth!! This was due to health problems caused by the wind turbines.

11) Our dogs were nervous, as well as our four(4) ponies. We ended up taking our ponies too the auction barns and had them sold. Two of our dogs had to be put down!!

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#44

9)[other] 1.vibration in body 2. chest and head pressure 3. heart rhythm sensations 4.nausea,queasy 5. dizziness

9)[other] queasiness, mild vibration in head and chest, heart sensations – felt like the beat of my heart changed by turbine.

[doctor] Yes, checkup.

10) I experienced severe health effects from exposure to a single wind turbine while on vacation and never, ever want to experience these health effects ever again. The vibration and breast sensations were very frightening and debilitating.

11) [quality of life altered] I experienced this attack when exposed to a small wind turbine group of 2 turbines. The wind was moderate and my symptoms were very uncomfortable. I left the area very quickly and felt better within an hour or two. I will avoid these turbines when ever possible because the health effects are very uncomfortable and distressing. Turbines make me feel very sick when I get near them. I am OK when I leave the area where they are installed.

11)n/a

#45

10) [quality of life altered] My stress level increased while at home for the 4 months. Now within my life I am stressed and I worry about the physical health of Mom, Dad and Erin as well as friends and neighbours in the wind project. I worry about my families financial health too, whether the property has any value. At the worst i was worried about Mom and Dad marriage because of disagreement which flared up more than ever before. I did not think about the above prior to the wind complex starting.

11) No.

#46

9)[other] No. Problems with the above go away when I leave the (wind project) home.

10) [quality of life altered]I feel wound up when at home. I just cannot settle. Because of this I do not want to stay in our home or for that matter come home. the biggest change has been the effect on my Mom, sister and Dad's health, especially Mom. To see her suffering from health problems, getting sicker and sicker just pisses me off. It really bothers me a lot.

11) No.

#47

[palpitations] a lot

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[tinnitus] all the time

9)[other] stomach felt full, air hurt, rapid weight loss 170 to 125lb over 3 months and loose stools, more extremely exhausted, not as patient, get angry fast.
/For weight, (Dr. at school) get weigh up since it was in the danger zone for my height.

10) [quality of life altered] For myself I was more angry. Mom and I have always been able to talk. Last winter we argued about the stupidest things. I have very, very, very low energy and just want to sleep. My family has been ripped apart with Mom not able to live at home. Not having Mom around to talk to about school or friend and personal stuff has been and is hard. Very hard. Mom use to talk about other things, fun stuff, but windmills have become the main topic. I hate that.

11) No.

#48

[sleep disturbance] had to get to sleep upstairs.

10) [quality of life altered] The sleep disturbance - over all feeling of wellness was very poor.

11) No.

#49

[headaches] at the back of the head/neck

9)[other] A jumpy feeling as if you have had 5 cups of coffee, humming in the head behind the ears, very painful left hip, spiking pain, loose stools, cold body temp, blurred vision when winds are high, some dizziness, increasing blood pressure, nerve pain from the left ear to jaw, 2 large coldsore masses one time, shortness of breath, tight chest and knot in left chest.

[approached doctor for] ear, heart and chest.

Yes, Family Physician, May, 2008, blood tests, orders 12.5mg fluid pills, auditory assessment by ear, nose and throat specialist (order a CT scan to eliminate tumor or abnormality and hearing assessment June to August, 2008) Feb. 18/2009 Family physician Bp and cold sores - ordered double Bp meds, sleeping pills, antiviral and antibiotics, purchase Bp cuff and blood work. Feb. 22/09 Bp, heart, chest, heart monitor, emerg bed. O2 monitor, Bp, "pink lady", Nitro spray under tongue, order - change living place, 4 days off work, rest, stress reflex test. Specialist consult. Stress test (order - Bp med, change of living place or modification; reevaluate in one month.

10) [quality of life altered] I used to be able to get a solid 6-8 hours, full of dreams and nap or snooze without any effort. I have been severely sleep deprived from Nov. 2007 to May 2008, attempted rest at billets in town paid for by wind_co_x. When [W.C.] turned off the field your whole body felt calm and like you have had a massage, humming or ringing subsided and could deep sleep. Again in the last week of Aug. 2008 to Feb. 2009 sleep deprived, waking up to 3 times or if the winds are high it seems like

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every hour and hard to drop off to sleep. Humming in the head occurring behind the ear and started wearing cotton batton, then over time orange ear plugs and head phones.(This did not stop the humming then latter ringing then buzzing and ringing*. The ability to hear my students even while working at the board has changed to walking across the room or asking for them to repeat louder the answers or questions. I can not listen to loud T.V. or music or sounds. At the worst I struggled to go into the Sobey Store, the lights made ears ring and similar environments (i.e. C.T. store). Now I am more sensitive to vibrations and high frequency electrical pollution which means some high tech equipment is more annoying than prior to Nov. 2007. All symptoms subside with less exposure and sleep**. *Change - I would attempt sleep in the spare room or in the basement. **As a family we shut off and unplugged as many appliances as possible prior to trying to sleep and when home. Difficult to form thoughts to come out of my mouth. I studded on my words. When tired, I would wear a lot of extra clothes to try and warm up, too.

Family - oh, our normal problem solving skills between family members were not attempted. We were very irritable. We had loud angry arguements. I was constantly worried and concerned about the health changes in my family. That there was no way to change. We did not invite the Grand mothers over to visit much or stay over due to the concern for their health. The same can be said for inviting family or kid's friends over.

Changes - for the second time I am not home and have to help co-ordinate food, cars, laundry, mail and financial from a distance. May - June 2008 - up [at] 6:00 home to pick up [daughter] 2-3 times/week, 8:00a.m. on other days for Rugby, teach, home for setting up meals and lunches (with ears plugged and sometimes head phones), back to town_z with clothes, homework and bed. Now I am in town_y and going home every 2/day and into school(maybe). We send love over the phone or on message sheets on the counter. Have spent a massive number of hours, totally days of family time, working to get the problems resolved.

Personal Change - My love, [husband] ie worries and I worry about him and [daughter]. I truly miss being happy in my home. My home was my calm space where I could unwind after a day at highschool. No other space can replace the home where you have helped raise your family and had so many positive plans for the future. I miss [husband]. I miss [daughter]. Lost total faith in government to safeguard myself, my family and other Ontario families. I do not trust the word or intentions of experts compared to before Nov. 2007.

Job Change - I love to organize, plan and teach a lesson. I have taken pride over 27 years to be able to call students by name at any point in the lesson. Change, I took 1 1/2 hours to get a lesson organized. I had trouble remembering the lesson or where I was in a lesson. I had to work so hard to remember facts which should be 2nd nature. It was hard for me to get the first word or name out of my mouth and the right students name. My co workers were extremely worried about my deteriorating health and the lack of progress with governments and companies to fix the problem. Change in 27 years I have rarely been absent for illness. Feb 22/09 I had Dr. orders to not work and I requested one week, but, my principal recommended another week to rest away from home as ordered by 2 physicians.

Financial. did not have to worry about property value. Now our home is worthless unless someone can fix this mess. I could not in any moral consciousness sell knowing how we are affected.

Outside change. I do not and have not felt like going out into the gardens which has been a calming passion my entire life since I was a child. We as a family do not sit on the deck as much due to jet sound or roaring. We close our window in the summer due to roaring jets or rattling sheet metal sound. We could not cool the house and ourselves as well, too. I will say there are probably other alterations like not being there for [daughter] as a young person needing advice and her Mom, but I am going to stop!

11) Moved Horses prior to start up of turbines.

#50

9)[other] [tinnitus] pop when turbines come on and off.

[sleep disturbance] Do not sleep a full night. Wake up quite often.

[other] nasal cavity felt like I had allergies, but no mucus, Irritable.

10) [quality of life altered] Personal - have found the changes in sleep patterns reduced energy levels, levels of patience and very frustrating and draining. Dec. on there were serious, angry arguments we normally do not have. I am very worried about my partner's, [wife], reduced sleep/rest, humming/ringing in her ears and continued deterioration of health. When [wife] had to live away from home it was hard. She is my partner and my love. We would always chat on family plans from food to finances. Our lives were upside down at all family levels when she was billeted by the windmill company wind_co_x from May 2008 to July 17th and AGAIN now. She is living at her Mom's in town_y a 30 minute drive away (on Dr. orders). On a very personal level I am like a widower and sad and lonely. Generally - Our financial outlook for our property has changed. At present we can not sell knowing the possible harm that someone may experience. This is a stressor we did not have prior to the turbines. I can't sleep with the bedroom window open in the summer for a cool breeze due to the roaring jet sound. (This was pleasant and cooling too.) I can't have a quiet sit on the deck without the jet or swoosh sound. And our phone has static on it which is not there when turbine were not here. CKNX am channel is staticy or weaker in the project area.

#51

10) [quality of life altered] The visual impact of the navigation lights has had a profoundly negative effect on our night sky. In the day-time the obvious industrialization of our landscape adds to this demoralization. When weather conditions are right the turbines can be heard from outside our house again having a negative effect on the quality of our life in the country.

11) No.

#52

6) Too close - I'm sure the bare minimum.

10) [quality of life altered] The constant changing sound changing to a horrible noise startles me, my dog and sometimes even the birds. The constant distant buzz in my head because of the substation - it's always there. The blinking red lights at night just depresses me and ticks me off. I might as well be at an airport landing strip. The same goes when I just look around. There aren't the same birds or their numbers anymore. I never see the deer anymore and to see the skyline no matter which way I turn ruined by the number of these things does give me a headache. I can count over 70 windmills from my

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property.

11) The cats don't go as far out back as they used to. When they're really noisy especially right before they shut down startles the dog. If it's at night, he's reluctant to go towards the noise and wants to come back in. The flyway for the swans is all windmills now so I'll see if they come again this spring as they've done for years. The owls aren't around in the numbers they were.

#53

8)[health affected] None what so ever.

10) [quality of life altered] No not at all

11) I have pets no change same as they have always been.

#54

8)[health affected] Not that I'm aware of

10) [quality of life altered] I have 2 reasons;

1. I don't particularly like looking at them.

2. If the wind is a certain way I can hear them even though the closest is 1 km. away. Some days it sounds like a jet aircraft in the distance, and some days its more of a swishing sound. It seems to vary depending on wind speed and direction. I am definately opposed to any more going up in our neighbourhood.

#55

8)[health affected] Not at all there has been no change.

9)[other] There have been no problems at all.

11) None what soever.

#56

11) no

#57

11) no

#58

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10) The flicker from the turbines can be very annoying in the mornings. When I'm training horses for 3 to 4 hours the noise gets to you and you have to stop for awhile and go to the house. In the summer when windows are open you can hear them in the house. There is also some problems with some of the neighbours around me because of stray electricity. I have not had mine checked.

11) When the turbines are noisy, the horses always go to the far side of the barn.

#59

9)[other] Yes, I went to doctor for stomach scope/colonoscopy because I was afraid I had stomach ulcer.

10) [quality of life altered] *I don't like the looks of them.

*I don't like the noise they make, I can hear them all the time.

*Shadow flickering is a problem.

*It used to be "nature" only, fields, trees peaceful but now you can only see these ugly looking windmills

*At night I hate the "red" lights on top of the wind mills blinking.

*When I go for a walk with our dog, the closer I get to windmill, the more my ears ring.

*Since they erected the windmills I felt stomach pains(still today) and went to the doctor for stomach scope and colonoscopy, all was fine but I still have stomach pains. I don't know if it has anything to do with the windmills.

*At the beginning when they put up the windmills I had anxiety problems, I hated the windmills.

*At night my wife and me wake up to some weird ringing in our ears/it comes and goes.

11) No livestock, but I know since they put up the windmills, we have not heard any coyotes or wolves howling at night, strange.

#60

10) [quality of life altered] The only way I feel that the turbines have impacted my life is the noise when the wind is strong. Even at night it is difficult to block out the sound of the blades. I do feel badly for those neighbours who are experiencing serious health and sleep problems. It is the responsibility of the wind turbine company and/or Hydro One to ensure that their life and health returns to pre wind turbine quality.

#61

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9) [other] Yes, doctor did blood tests, oral scope, prescribed sleeping pills, referred me to therapist and a nutritionist, sent me to a sleep clinic, I was vomiting blood.

10) [quality of life altered] We lived in this house for twenty years with the plan that we would pay it off, borrow money to purchase our retirement home and then sell the house to pay for the retirement home. We put the house up for sale the year before the turbines were built and real estate agents told us, people were worried about where the turbines would be placed and the house did not sell. Now the turbines are up and I can count 30 of them from my property. My wife and I can hear them when we are outside and we experience flicker when we are inside. We can see them through every window in the house in the daytime and we see the sea of red flashing lights every night. We live in a school house we took from being vacant for twenty years to a beautiful open concept home in a quiet country setting. Our friends and family have loved our home for years but now just shake their heads when they [see] what has happened here. Don't know what's going to happen to me in five years when I'm ready to retire if I can't sell my house.

11) n/a

#62

9)[other] Not as of yet.

10) [quality of life altered] I feel like I don't wish to live here since the day the turbines have been erected in our area.....

Their distracting (flicker, etc)

Their ugly(including the switchyard out back of property)

Their noisy

They look dangerous to be around them.

I here a low humming noise while trying to sleep and I can't function as I normally could before during the day.

11)n/a

#63

11) no changes

#64

12) no change.

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#65

09)[other] Increased blood pressure medication.

10) [quality of life altered] To bring you up to speed, I own 200 acres of prime farmland which is completely surrounded by turbines. At last count we had 37 red flashing lights, disturbing noise. AM/FM interference and shadow flicker on sunny days.

My anxiety and stress is mainly caused by the fact that we don't know what the long-term health effects will be, if any. When I read about the health problems I worry about the value of my farm which is my retirement fund.

It's interesting to note that the lawyer for Enbridge at the OMB hearing with our WAG group, is now fighting to keep windmills away from her home at Honeywood.

I've read and kept all your letters and presentations on the subject. Keep up the good work!

11) None at the present time.

#66

08) not so far, the windmills just started up.

09) noise issue

night sky is full of flashing red lights

visibility of area with the density of windmills

#67

08) [health affected] not sure

09)[other] Been twice to the Dr. with ear problems – June and Oct, 2008, no results. Dr. couldn't find anything wrong.

11)n/a

#68

10) It causes me ill feelings to continually have to look out each window of my home to see spinning towers. At night the continued flashing lights invade a once Peaceful Sky.

Industrial Energy Projects belong on industrial zoned land.

#69

10) [quality of life altered] We bought this property to be away from the noise of the city and road traffic now all I hear is the windmills. I love to be outside, walking, hunting in our bush. Now all I hear is the windmills. Peace and quite no longer exists. The rear of our house is all windows, at night all you see is the warning lights. It is driving me crazy. We had no say in the mills because we weren't getting one. The persons that got them get paid and don't live near them. I'm sure our property value has went down because of them. This summer will be the first time we can lay by our pool and I'm sure they will drive me.

#70

09)[other] [hearing problems] not sure

[migraines] not sure – bad headache

11) n/a, No Pets.

#71

10) [quality of life altered] If these symptoms are caused by the turbines, my quality of life is effected.

The windmills are a distraction when your trying to keep your eyes on the road. Also the red lights on every other one flashing at night are a sure spoiler in the nice countryside.

#72

10) [quality of life altered] The constant noise is like an alarm clock going off all the time and at sunset the flicker can make me dizzy.

11) N/A

#73

9) [other] I talked to a Clinic Dr., but he wasn't concerned.

The windmills are very noisy when we have a strong wind. When the sun comes up we have a shadow that makes like the lights are going off and on in the house.

10) [quality of life altered] No.

#74

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8) [health affected] maybe, but how can you pinpoint it at the windmills.

9) [Other] joints + muscle soreness.

[Doctor] Yes, but I never asked if it would have anything to do with the windmills. I have had no tests done.

8) [health affected] I'm a nature person, and I find since the windtowers have come here, there is hardly any wildlife, my bird population has pretty much deminished. I also like peace and quite which has been lost, because of the noise of the turbines. I feel tired all the time and my muscles and joints are sore and I feel achy all the time.

9) [Other] dog-having problems with his ears, vet calls it swimmers ear, but we don't take him swimming, or bath him especially in the winter.

#75

8) [health affected] Maybe – do not know how you can say for sure.

9)[other] [other] itchy EARS

10) [quality of life altered] I always feel tired. I do not like to hear the turbines. Peace and quit has been lost. I do not know what makes my ear itch by it is very irating.

11) Do[g] has problems with ears. Vet says it is swimmers EAR but we do not take him swimming.

#76

05) [wind farm near property?] None – we spend time near 'town x'.

8) [health altered]When we are in the area yes. No, as we leave the area the sympton vanish.

#77

9)[other] [other] spatial infringement.

10) [quality of life altered] The wind turbines are across the road from the property and one is in direct line with my driveway. Every time I go out the lane I look right at the turbine.

My home has large front windows with a pastoral view. Now it is full of wind turbines. I now have to keep the curtains pulled to avoid looking at them. I find the continuous turning of the blades quite disconcerting. At night the once dark sky is now filled with blinking red lights so again requiring the blind to be closed, definitely affecting my life. I am away for 5 months in the winter coming back in early

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April so have not had the full exposure to the turbines. These wind turbines are the only ones I have seen that are built in such close proximity to homes.

It is equally disturbing to know that our politicians and so called "leaders" have such blatant disregard for individual lives. This is also applicable to so called neighbours.

Thankyou for all the work that is being done to ensure a more regulated and humane system.

#78

9)[other] [Doctor] Discussed symptoms with doctor twice. At this point we will further monitor my symptoms and discuss possible actions (tests, etc.)

10) [quality of life altered]This previously peaceful/quiet area was to be our retirement home. We are now considering changing our plans. Any further improvement to this property is on hold.

Depending on wind direction there is a loud pulsating, intrusive swooshing noise. I seem to sense a vibration in the air and at times I seem to sense the changin air pressure (like descending in an airplane.)

I spend 80% of my time in [turbine town x] and 20% in [town y]. When in [town y] I sleep better, less headaches and more relaxed.

11) N/A

#79

9)[other] [doctor] No – I do not yet live full time at this address. If I were permanently here, I might find the symptoms severe enough to seek medical help.

10) [quality of life altered] The peace and quiet of this potential retirement home has been compromised. The noise at times is intrusive and impossible to ignore. I am also concerned about long term exposure to low frequency vibrations; as a result, our plans to retire here are on hold and may need to change.

#80

9)[other] [other] Nausea, sound like tomtom, sharp knife-like pain in muscles, twitching in skeletal muscles and around eyes, hypertension (168/80)

[doctor] Yes. I will be following up with hearing tests at UWO which will be compared with such tests done at the Toronto Hearing Society facility. MRI test is scheduled for May.

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10) [quality of life altered] In order to accommodate a condition diagnosed as fibromyalgia, I sold a four level house in Toronto and put all the proceeds into building a one level house which would handle wheel chair living. My new house just west of [town x] made my daily activities doable and my health started to improve.

When AIM Power gen started building industrial wind turbines I was perturbed and stressed by the presence of these behemoths and the effect they would have in this major migratory bird corridor, not thinking they would affect my life.

While I was distressed by the sight of the first phase of turbines which were more than three km from my house, it was the connection of the last six turbines erected in a semi circle around my house that brought on symptoms which I had never had before and which exacerbated the hypertension.

So now I am researching ways of regaining some of my health again although the hyperthyroid, diabetes, scleroderma, fibromyalgia conditions continue.

11) No pets or livestock but anecdotally have seen that tundra swans no longer feed in fields which have industrial wind turbines on their migration north in the spring.

[additional comment] These are the industrial wind turbines around my house. A & C are about 600m away, B is 700 m and D is 800m.[away] E is 1.9km.[away] G is 2.2km.[away] F is 1.9km. [away]

#81

8) [health affected] Yes – but we can't prove it.

9)[other] [other] sore joints & sore back of hands, memory loss.

10) [quality of life altered] – due to health problems.

#82

8)[health affected] Yes – but we can't prove it.

9)[other] Joints-painful, sores on head.

[doctor] Yes regarding sores on head – all they gave was medicated salve.

10)[quality of life altered] Yes, the above health problems.

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11) [pets/livestock] We are cow/calf producers. We feel our cattle are more high strung. Our calving pattern is effected – we get calves then no calves for a couple of weeks usually when we are calving, once we start we get a calf/day.

Last fall the earth worms-hundreds of them-were on top of the gravel and on top of the cement – in the morning when we saw them they were dead.

#83

9)[other] nausea, muscle pain, irritability

10) [quality of life altered] To avoid morning flicker must have blinds or avoid rooms until it passes. When warm weather arrives noise from turbines will limit opening of windows especially at night for sleeping.

Will not enjoy evenings out of doors on decks due to all the Red Flashing lights and noise.

11)N/A

#84

9)[other] [other] irritability

10) [quality of life altered] can't be outside any length of time due to noise and in am the Flicker. Red flashing lights at night make it impossible to sit outside for long at night. Won't be able to open windows at night when warm weather comes due to noise.

11) N/A

#85

9)[other] enjoyment of my property

10) [quality of life altered] → worry about house value

-> can't go outside – noise

-> every window I look out I see wind turbines

-> flicker issues at certain times of day on house walls inside & reflections on windows.

-> those things have greatly disturbed my setting and how I was use to functioning for the last 25 years at my home.

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11) -> no longer see wild geese or wild turkey in the field?

#86

8) [health affected] I am severely limited in any physical work managing biosolids application company, but suffer constantly from muscle cramp pain.

9)[other] developed Parkinson's disease 2 years ago

[doctor] drugs for migraines, 12 Sinnamet capsules for Parkinson's, 4 tabs Comtan, cost \$4000 year, no drug plan, poor writing due to loss of fine motor skills.

10) [quality of life altered] We hear wind noise from turbines every evening while sitting on our deck. The setbacks are 800m, 1100m, 2000m , 1000m, 1500m, 2000m.

At nights we hear them in our bedroom a 17 year old home with R2000 standards.

Severe trembling with Right hand and foot, people think I am drunk when in town, due to some paralysis on right side. Even harassed by OPP.....[illegible]... "drunk".

11)) [pets/livestock] We keep about 20 nanny goats, for the past 20 months they have had abortions, not a single kid was born alive, all aborted before term, others died within 3 hours of birth.

#87

[disturbed by wind turbine transformer]

9)[other] [headaches] moderate to severe, daily occurrence

[tinnitus] occasionally 3 or 4 times per month

[sleep disturbance] almost nightly

[doctor] CT scan, MRI, visit to neurologist, pain management clinic, echocardiogram. All tests negative, its not me, is doctors conclusion. Pain management clinic doctor agreed that based on my chart the transformer is probably the problem since when I leave home symptoms disapate.

10) [life affected] It is very hard to work when you have a daily headache which varies from moderate to severe. It hasn't been less than slight headache in approximately 18 months. Always tired. Ringing in ears sometimes a high pitched squeal lasting for up to 10 minutes at a time. Body aches on awakening for last couple of months

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Severe Headache, Pain to the point that a single shake of my head will result in vomiting. I take no medication since my doctor tries many different ones and all they would do is make me sick, did not help the headache.

List of drugs for headache that didn't work, Tramacet, Tylenol3 w. codeine, Apo Nortriptylene, Apo Propranolol, Dilavdil, Apo Hydroxyzine, Apo Naproxen, Endocet

Compared to this issue having my leg broken in two places was a picnic!

11) None.

#88

9)[other] Have no family doctor. Went to emerg currently awaiting a CT scan.

10) [quality of life altered] Constant noise, constant headaches. Sleep disturbance since the windtowers have started.

We have recently put a 500' addition on our home with large windows all around. Not only we get flickering from the towers we cannot open any windows due to the constant noise of the blades.

My occupation is a bookkeeper. These constant headaches are affecting my concentration, especially working with numbers. I work from my home. I simply cannot afford to be in ill health.

I can no longer sit on my back porch enjoying the beautiful sunsets. This was so relaxing to me. Now all I see is flickering blades and blinding red lights. The sunsets have disappeared into money hungry pockets of our government.

This area was once known as having the most beautiful sunsets in the world, now gone!

I now am a prisoner in my own home of 23 years.

This is not the future I wanted! That is why I bought this property 23 years ago. Now I am going to sell and start all over again. Extremely depressing!

11) My horses are nervous of the noise and do not focus on what they are doing. Instead they watch the windmills making this a danger when riding or training them. My dogs and cats want to stay in the house more now. This is very unusual for them.

#89

9)[other] I currently have no family doctor.

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10) [quality of life altered] The measurement of one's quality of life is something difficult to qualify. That being said, I know what my life was like before the towers went up and I know what it is like now. Aside from the aforementioned health concerns there are many other factors that are of concern for myself. I have spent many years living on this property and making improvement to it. These improvements were compatible with the rural area in which I am located. Now I cannot enjoy quiet evenings (turbine noise), beautiful sunsets (turbines flashing on horizons – 67 can be viewed from my place) and star filled nights (bright and flashing lights in every direction).

These things may not seem important to those who don't live here, but they are important to me and you just can't put prices on that. My various levels of gov't has deserted me and ignore my concerns.

This is not the future I had planned when I invested my energy, time and money in this place. I choose to live here for what it was, not what it has become. The addition of this wind project has upset the balance of this area and will, without a doubt, drive me from this area. This will happen with great financial loss to my family and the thought of starting over else where is almost intolerable, too much of me has gone into this – my home. Add this to the health concerns and we are looking at a disaster in the waiting.

11) I have noticed that the horses are far more nervous and more easily spooked. My dogs at times will not leave the house and are acting very out of character at times.

#90

8) [health affected] Yes, I find myself very easily irritated. Every window in our home has at least 10 or more windmills.

9) [hearing problems] Good thing I am ½ deaf.

10) [quality of life altered] People who were good neighbours are now looking away and don't want to talk any more if they have windmills or are in favor. Our beautiful view is now gone as from my back deck I can count 72 wind mills. My property values have gone down the drain by around \$100,000. Most of the owners of the landowners with turbines on the farm do not live around here. They live many miles away.

11) My dog gets very upset when anyone comes to the door.

#91

9) [doctor] As of this time I do not have any physical symptoms

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10) [quality of life altered]The present govt. has an agenda to promote these mills even though they are unrelable as a steady source of power & will only ever amount to a very small percentage of the power req'd on the grid. I live on the north limit of the [X wind farm] and so far I am fortunate to be as far away from the turbines as I am. However, land options have been aquired in [S. township] and I will not fair as well should they go ahead there.

I know my property value has been reduced to some degree and it is a constant worry where they will relocate to next.

With regards to noise, if the wind is blowing towards our residence they can be heard even at a km (3300') away. (Not inside the house) At night the sky is filled with blinking red lights which is something else to contend with. The above are some of my concerns which I believe contribute to increased stress & anxiety.

11) No pets or livestock

#92

9) [hearing problems] right ear only

[other symptoms] tones change in hearing, popping excessively

[doctor] Yes, My migranes and popping of ears and fatigue. Hearing tests. My tx-treatment higher enriched diet for ears, migranes. Migrane relieve advil.

10) 10) [quality of life altered] People who were good neighbours are now looking away and don't want to talk any more if they have windmills or are in favor. Our beautiful veiw is now gone as from my back deck I can count 72 wind mills. My property values have gone down the drain by around \$100,000. Most of the owners of the landowners with turbines on the farm do not live around here. They live many miles away.

My life has been altered slightly. When I go outside there ugly to look at, when wind is strong my symptoms are strong as well but in the long run, the windmills haven't altered my life significantly. Windmills are the future, whether I like them or not, I am one person I live for change! Do I want more around where I choose to live, the answer will be no. Do I plan to live here long? NO I noticed behaviour changes in my animals, yes, my dogs and horses shake their ears a lot but do I have testing and evidence to back up my theory? NO!

#93

5) [wind farm near property] This occurred when I visited a home in the [windfarm] project

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7) [how long living at property] N/A – was a visit only.

9)[other] pain below my right ear, where my jaw bone ends after visiting in this home for 4 hours. The pain disappeared after I left this home and returned to my own residence.

#94

9)[doctor] not yet.

10)[quality of life altered] Cannot sit outside anymore because the noise. Have to sleep in summer with the windows closed.

11) We have a cat who no longer wants to go outside since we have the turbines.

#95

10)[quality of life altered] The prevailing wind is from the West and we are downwind of a cluster of wind turbines which generate a lot of noise, when sleeping with the windows open. It is being heard in the bedroom.

11) Our cat stays now more inside.

#96

8)[health affected] Stress.

9)[symptoms] I have a pre-existing medical condition. Therefore this question cannot be answered accurately.

10) Noise & radio interference devalued our property

At times: “Noise” from the turbines is very annoying. At times sounds like we are living right next to an airport. Can even hear them “at times” when all our windows are closed

“Radio interference is an issue as well. Can hear the blades turning (static) through our radio

Also, they are unsightly. May have affected our property value.

11) Yes, my “therapy dog” is really apprehensive to go outside at night (to do her business) when the turbines are so noisy.

#97

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8) [health affected] A little stressed

10) [quality of life altered] Somewhat. Noise from the blades turning. Radio interference. Also, may affect our property value.

11) At times: Noise from the blades stresses our dog.

#98

10) [quality of life altered] The flickering bothers us when we sit in our sunroom or deck in the afternoon. The noise is equally disturbing – especially at night sometimes we have to close our windows.

#99

8) [health altered] Yes, there may be a connection

9) [doctor] Mentioned to my Doctor outside of office, have not made an appointment. I am very healthy, thin, athletic and exercise often.

10) [quality of life altered] Prior to the installation I was always a high energy, upbeat person who slept well. Late in the fall of 2008, my wife and I started experiencing heart palpitations when trying to sleep. We can both hear our pulse in our ears. We never connected this to turbines until now. I am less energetic, lacking in ambition, more moody and less optimistic. My whole state of mind has changed. It has impacted my work & home life. I cannot see or hear the turbines from my home. The symptoms were worse in the fall and winter and better in the spring. If our symptoms increase next fall and winter we will know it is linked to the turbines and wind speed/direction.

11) No pets or livestock.

#100

8) [health altered] possibly, but uncertain

9) [doctor] No. I have noticed that I have experienced heart palpitations or increased pulse, sometimes during the day and sometimes while resting through the night, which has caused some disturbance to my sleep. I am not sure if these are linked to the recent start-up of the nearby wind turbines, but I believe I have been experiencing these symptoms over the past 6 – 8 months.

10) [quality of quality of life altered] possibly, if what I have experienced is in fact linked to the operation of the turbines

#101

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9) My doctor does not understand the situation.

10) [approached doctor] My doctor does not have any information on the symptoms. I believe my quality of life has deteriorated as have my property values.

11) My dogs seem to be more clingy towards me and seem to overreact when I return after being away for several hours.

#102

10) [quality of life altered] Some days its like camping at the end of an airport.

11) Deer and turkeys moved out of area.

#103

9) [other] annoyed at visual sight as well as hearing the noise generated.

10) [life altered] Was expecting to enjoy peace and tranquility, not being intruded upon by the multitude of turbines.

#104

10) [quality of life altered] I resent the fact that WAG [wind action group] has interfered with my privacy by submitting this in my mailbox. I refuse to listen or acknowledge WAG;s underhanded methods.

#105

10) [quality of life altered] I am disgusted with the attempts of WAG to try and brainwash residents. I am sure if you checked you will find these people (WAG) to be less than truthful and very bitter. I have dealt with these people and I am glad NOT to call them friends.

11) I have livestock, no problems.

#106

10) [quality of life altered] I cannot go a day without thinking about Wind Turbines. They are everywhere you look, noisy, lights flashing.

Does the Wind Farm effect our families Health. How long does it take 1year/5 years/10 years.

I do not know exactly how much value our house has lost. 40/50/60 THOUSAND MAYBE?

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If you raise a family today, How long does it take to save 60 THOUSAND DOLLARS. I believe we lost that.

One thing that could make matters worse is the idea that my tax Dollars might be subsidizing a Wind Project.

Thanks for your efforts.

#107

10) Biggest factor is the noise.

Unable to sleep with windows open at night and I'm a poor sleeper under good conditions. Find when I'm outside gardening or reading the constant noise from the blades turning very irritating and I find I have a pressure in my ears that wasn't there prior to the last few months.

#108

6) [nearest turbine to property] There is at least one on each corner of my home (see map attached)
Nearest is 481.8 meters

9) [other] Digestive problems/ chronic upset stomach

9), 10) and 11) Hello, my name is [home owner] and I had a Dream.

I knew in my early 20's that I wanted to move north and build my dream home. I was born and raised in the City, but undeniably a country boy at heart. I worked with my Father who was a Carpenter by trade for most of my life, and I naturally followed in his footsteps. This gave me the skill set and knowledge required to be able to one day realize my Dream.

It was the late 1990's and me in my early 30's, I was financially ready and began looking for the perfect spot. I would need to be close to the city to commute for work, but far enough to enjoy the Country Living lifestyle that I had been dreaming of for 10+ Years now. My search took me all over Northern Ontario and was a 3 year process.

Finally in 2001...I found it!! A 1 Acre Corner lot Located in the Township of [township]. The next step was to go thru the process of obtaining Building Permits, and designing my home to the Townships approval. For anyone that has gone thru this, they will tell you that it is a lengthy and sometimes frustrating process, but worth the reward in the end (or at least suppose to be). In 2002 I started construction on my outbuilding (barn), and in 2004 my home.

It was 2005 when I first caught a glimpse of phase 1. I was on my way home from work and saw these massive windmills being erected. My first thought was "what the heck is going on here?" and my

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thoughts after that I can not mention is this letter. I began making inquiries, and came to find out that [township] Township had become the new home of a [wind company] Wind Farm.

I had, and still have a hard time understanding how this could have happened without me knowing. After speaking with the Township and asking this very question, they informed me that the Residents of [township] were indeed notified, unfortunately for me the means of notification were not (in my opinion) appropriate.

The notification process consisted of:

1.) A notice was posted on the Township Website.

**At that time and up until 1 Month ago, I did not have internet access at my home nor own a Computer.

2) Notices were posted in the Local Newspaper.

** I was working full time and building a home on my own, I didn't have time to read the paper.

3) A notice was in the Township Newsletter that comes in the mail with your Property Tax Bill.

** With all the advertisements, flyers, pamphlets, etc...that come in the mail these days, it is hard to keep up. I am sure that many people are like me, they open it up (whatever it may be) take out the bill and recycle the rest.

At no point in time was there ever a notice or letter sent to my home, it was assumed that I would come across one of these methods of notification. I feel that this was very presumptuous of the Township and [wind company], this information SHOULD have been shared with residents via Direct mail, not left to the possibility that one might come across it.

So here I am, not even half way thru building my home and now I have these windmills almost, but not quite, in my backyard. After much soul searching I decide to forge ahead, block out the images and I concentrate on the things that remind me of why I fell in love with this land. Difficult as it is I manage not to lose sight of "My Dream".

In early 2006, comes the news of phase 2...They are not done yet! And this time they will be right in my backyard, front yard and to both sides of my house. I am surrounded.

Now the windmills in phase one have been up and operational for approximately 1 year and residents have had an up close and personal experience. They have quickly come to realize that they are not all they were cracked up to be.

After attending the Township and planning meetings for phase two, there was definitely not a positive reaction to the news of more noise makers moving into Town. Residents managed to put up enough of a fight to halt it for a short period of time, but it is very difficult to fight a Township that wants the Revenue that comes from allowing this type of project, and a Corporation the size of [wind company].

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The offer is too good, the Corporation is too strong, and eventually Politics and Money win out over Resident's wishes. A modern day David and Goliath.. The giant(s) win again.

In December 2008 phase two was turned on, since then I have not slept thru the night. I have had to go to the Doctor and have sleeping pills prescribed so that I can get to sleep, but I am inevitably awakened each night.

My quality of life is and has been affected, I no longer look forward to coming home. I get a better night sleep in the city (go figure) and will spend some nights there, but why should I be run out of my home?

Summer is now upon us, I have always looked forward to this time of year. My home was built with summer as the focus, the positioning on my property, location of windows, all designed to enjoy having my windows open all summer long, and use Mother Nature's air conditioning. For this reason I do not have A/C in my home (many people out here don't.. it is (was) not necessary). Now the wind that I look so forward to each summer has become my enemy.

I have become intimately aware of the negative effects involved with living in a wind farm. It's pretty sad that I have to put my T.V on the nature channel and close my windows and doors to hear "Nature" when I live in the middle of the Country!

The more I know, the worse the scenario is. I live in the middle of what sounds like an Airport only worse, at least if I lived next to the airport I would get a break every 30 seconds, and have 'No Fly' times so I could sleep. Between the constant whooshing that echoes thru the skies 24/7, and the humming sound that is omitted from the mechanics of the turbine 24/7, I have gone from being a very easy going, relaxed person to struggling on a daily basis with anything from stress to depression to anxiety. I attempted seeing a massage therapist and chiropractor to help relieve the tension, but this proved to only be a temporary fix, and was quite costly, so I had to stop going. Not to mention the other Health related issues that are now becoming a daily struggle. I have headaches at least every other day; and a constant ringing in my ears, I have had 2 ear infections in the course of a 3 month period, and occasionally suffer mild hearing loss. I experience digestive problems, and an upset stomach after almost every meal which will last anywhere from a few hours to days. I have gone from being a healthy person that had to visit the doctor once, maybe twice a year (one of these visits being a regular checkup) to having all these symptoms happen at once, and persist for months on end. It is all a little too coincidental, don't you think? Even guests to my home experience similar symptoms when they stay for more than a day.

I lay awake at night and trying to figure out why this has happened. I have come here to realize what has been my dream for over 20 years, and it has turned into what would be a nightmare if I could sleep. Where do I go from here? I am not only financially bound to my home, but emotionally torn. As I consider my options (none of them good) I cry.

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The Ironic thing about it is I am not even done yet. Just to add a little insult to injury, I have to now finish my dream so that I can walk away from it for the sake of my health.

Why was there not a proper investigation done into Potential Health Risks BEFORE putting these in people's backyards. There is/was so much research available from existing wind farms around the world, none of it was taken into consideration. Had it been, they would not be so close to residences. The required setback in phase one was 400 meters, and was increased to 450 for phase 2. This is crazy, the Provincial Government is now 'Proposing' a setback of 1500 meters from a residence, with a wind farm of this size, and a noise study is required prior to installation. I have a total of 9 turbines surrounding me, on all 4 corners of my property, [1.@481.8M](#) 2.@ 563.9 [3.@576.2](#) and [4.@619.6](#) and beside #2 is another one @ 700.5. The remaining 4 did not have distance readings available at the Township office, but are not too far from the 5 listed here. Needless to say, I am getting it from every end! I cannot go onto my property any time of the night or day ever again and experience the peaceful serenity, and sounds of nature that made me fall in love with this place, and want to build my dream home here.

My goal with this letter is to bring awareness to the issue that I and many others are dealing with. For those that don't live in the middle of a wind farm, but merely drive thru once in a while, my situation would be hard to understand. It is quite an awe to see for the occasional passer-by, but there is far more to this than meets the eye.

For the land owners that have agreed to have these turbines on their property, I would be curious to know, how much was my Dream worth? Because it is worthless to me now. And what is [wind company] and [township]Township prepared to do?

Thankyou,

[home owner]

#109

6) [how far are turbines] 481.8 meters - Total of 9 surround

9) [other symptoms] -Nausea, Dizzy (occasional) – Digestion

[approached doctor] No, symptoms stop when I return home.

10) It is difficult when you want to visit your loved ones, however, you know that you are going to an environment that will cause you harm. Not a choice anyone should have to make!

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Essentially, the wind energy industry is forcing people to stay away from their families and loved ones, which is unacceptable!

#110

8) [health affected] yes, (mostly mental health

9) [other symptoms] cannot deal with noise

10)[quality of life altered] –cannot enjoy the outdoors and sounds of nature because of noise

-hesitate to invite friends over

-feel upset that we built our amazing energy efficient ICF home in an area full of horrible noise pollution.

-feel violated

-upset that my lonely elderly mother came to live with us to have a happier life but now has vertigo (we have not mentioned to her the possible correlation to windmills.)

-feel like we should have known better!

-we trusted township and [wind company]

#111

9) [approached doctor] yes, for tinnitus – pending

10)[quality of life] – do not feel desire to improve our house (finish work started)

-do not enjoy outdoor exercise when windy and noise from windmills

#112

9) [other symptoms] vertigo

[approached doctor] yes for vertigo – take medication

-she's never had this before.

10) [life altered] because of vertigo * we are looking after [mother] and do not wish to give her windmill details.