PSC REF#:176954

HEALTH DEPARTMENT

9.1



610 S BROADWAY STREET P. O. BOX 23600 <u>GREEN BAY WISCONSIN 54305-3600</u> PHONE (920) 448-6400 FAX (920)448-6449

JUDY FRIEDERICHS, R.N., B.S.N. DIRECTOR

November 16, 2012

Wisconsin Governor Scott Walker:

The Brown County Board of Health, after more than two years of hearings, petitions, communications and research respectfully requests that the State of Wisconsin, perhaps through the Public Service Commission, fund low-frequency noise research to determine the effect of congregated wind power turbines on nearby residents.

Our concern grows out of complaints brought to us by residents of the Town of Glenmore who live amid the Shirley Wind Project, LLC in southern Brown County. The residents, as noted in the enclosed attachments, have complained of adverse health effects since the project went online in December, 2010 (Exhibit1). Three families have been forced to vacate their homes and move elsewhere, obviously causing significant personal trauma and financial hardship. This development includes eight turbines each measuring about 500 feet in height with a 2.5 megawatt generating capacity.

The history of our involvement includes a January 10, 2012 resolution (Exhibit 2) requesting emergency relocation aid for families suffering health effects from the Shirley Wind project. This includes financial aid for those families already relocated as well as for those unable to underwrite their own moves. The resolution included endorsement of the Wisconsin Citizens Safe Wind Siting Guidelines (PSC reference No. 157326 included in Exhibit 2) and a supporting library of research including low-frequency noise studies.

When the State of Wisconsin, by legislative fiat, superseded local control of zoning powers for the purpose of siting wind turbines, it is our position that the state simultaneously assumed responsibility for the health, welfare and safety of residents who established homesteads prior to erection of the turbines. As 2009 Act 40 states, "The subject matter of these rules shall include setback requirements that provide reasonable protection from any health effects, including health effects from noise and shadow flicker, associated with wind energy system." It is our opinion that low-frequency noise testing within the Shirley Wind Project falls within the stipulations of Act 40 as cited.

Since our January 2010 resolution, more peer-reviewed studies have been published. Two significant studies include:

'Effects of industrial wind turbine noise on sleep and health,' Journal of Noise and Health, Michael A. Nissenbaum (Northern Maine Medical Center, Fort Kent, Maine, USA), Jeffery J. Aramini (Intelligent Health Solutions,, Guelph, Ontario, Canada), and Christopher D. Hanning (University Hospitals of Leicester NHS Trus, Leicester, United Kingdom), October 29, 2012, http://www.noiseandhealth.org/article.asp?issn=1463-

1741;year=2012;volume=14;issue=60;spage=237;epage=243;aulast=Nissenbaum -and-

'Wind Turbines can be Hazardous to Human Health,' Alec N. Salt, Ph.D. (Cochlear Fluids Research Laboratory, Washington University, St. Louis, USA), August 15, 2012, <u>http://oto2.wustl.edu/cochlea/wind.html</u>

Health concern complaints by Glenmore residents most recently (Nov. 10, 2012) included sworn statements by residents representing more than 50 citizens who live in and around the Shirley Wind Project now owned by Duke Power. As you can see from the Exhibit 3 attachment, they are affected severely by the development. In addition to this group, we have reason to believe there are a number of other negatively impacted residents who have not yet chosen to provide affidavits.

We believe this is a serious public health issue separate from the desirability of wind power as an energy source. Thus, the Brown County Board of Health requests:

- 1. The State of Wisconsin or the PSC fully fund the low-frequency noise studies the affected Glenmore residents have requested in a non-biased fashion.
- 2. The criteria presented to the PSC on November 8, 2012 by the affected Glenmore residents (Exhibit 4) be followed to ensure accuracy and transparency.
- 3. The funding be sufficient to not only gather the raw data of acousticians, but also for the interpretation of the data by each acoustician.
- 4. The testing be completed and data interpreted in a timely fashion prior to PSC approval of any wind project in Wisconsin.

Respectfully submitted,

Judrey S. Murphy

Audrey Murphy, Chair Brown County Board of Health

In fronth, D

Dr. Jay Tibbetts, Vice-Chair Brown County Board of Health

Cc: Wisconsin Lieutenant Governor Rebecca Kleefisch Department of Health Services Secretary Dennis Smith Department of Health Services State Health Officer Henry Anderson Public Services Commission of Wisconsin (PSC) Phil Montgomery – PSC Chair Eric Callisto – PSC Commissioner Ellen Nowak – PSC Commissioner James Lepinski – Highland Wind PSC Docket Coordinator (Dockets 2535-CE-100, 1-IC-463, 1-IC-466) The attached documents were provided to the Brown County Board of Health by the Brown County Citizens for Responsible Wind Energy

Dear PSC Staff involved in the "Highland Wind Farm" docket (2535-CE-100),

Administrative Law Judge Michael Newmark (608)261-8523 Michael.Newmark@wisconsin.gov

Docket Coordinator James Lepinski (608)266-0478 jim.lepinski@wisconsin.gov

Environmental Review Coordinator Michael Jaeger (608)267-2546 MichaelJohn.Jaeger@wisconsin.gov

Staff Attorney John Lorence (608)266-8128 John.Lorence@wisconsin.gov

Environmentalist Marilyn Weiss (608)266-1613 Marilyn.Weiss@wisconsin.gov

Environmentalist Kathleen Zuelsdorff (608)266-2730 Kathy.Zuelsdorff@wisconsin.gov

Staff Elise Nelson (608)267-3589 Elise.Nelson@wisconsin.gov

Support Staff Jana Thompson (608)267-2896 Jana.Thompson@wisconsin.gov

CMT Representative Daniel Sage (608)267-9486 Daniel.Sage@wisconsin.gov

CMT Representative Scot Cullen (608)267-9229 scot.cullen@wisconsin.gov

Analyst Amy Pepin (608)267-7972 Amy.Pepin@wisconsin.gov

Analyst Deb Erwin (608)266-3905 Deborah.Erwin@wisconsin.gov YES, we the undersigned residents of Glenmore, Brown County, Wisconsin, welcome and have repeatedly called for testing at our homes - the homes that we have raised (or were raising our families in) and have reluctantly abandoned but still own.

YES, we will allow testing at our homes, but it must be done with, at its core, the search for truth. None of us presuppose to fully understand the conditions that have been the source of our families' suffering, but all of us want to share our experiences of being forced from our homes in an effort to prevent this devastation from being levied upon other Wisconsin families.

YES, our suffering and that of our children began after Shirley Wind began operation.

YES, our suffering and that of our children subside after some time away from the wind project.

YES, the suffering returns when we return to our homes - even for very short spells.

NO, even if some of us were not thrilled with the view of a wind farm on our horizon, we were not opposed to this wind project prior to the start of its operation.

YES, this is testing that we desire and feel is obligatory PRIOR to any more decisions being made concerning industrial wind development in Wisconsin.

Below are the reasonable criteria for testing that we believe the Public Service Commission of Wisconsin should welcome and fully support. An organization that has, at its core, a mission to "consider the public interest and the public health and welfare" could do no different. This is an issue of public health - the emissions of industrial wind turbines are not CO2; not mercury; but we argue have just as devastating an effect on rural Wisconsin families.

The undersigned FULLY understand the results of the emissions from the Shirley Wind turbines, but, just like the PSC of Wisconsin, we do NOT fully understand their source.

PLEASE do the testing. PLEASE ensure the reasonable criteria listed below are met. PLEASE do not inflict our suffering on other Wisconsin families until the issue is understood and resolved.

The symptoms of most Shirley Wind victims appear consistent with symptoms of low frequency noise and that is why we are supportive of the effort to perform low frequency noise testing at our homes.

We agree to the following low frequency noise testing criteria:

1. That the state fund the independent and impartial study of low frequency noise at our affected homes (through intervener compensation or any other funding mechanism). If the PSC is to rely on outside experts to conduct the testing (very reasonable as the study of LFN is highly specialized), then the testing authority should be a mutually agreed upon vendor of the PSC and Glenmore residents whose homes are being tested. If this agreement is not met, then the state shall fund parallel studies by an equal number of experts chosen by the PSC and Glenmore residents.

2. The testing methodology shall be shared prior to the testing and approved by the residents and testing organization(s).

3. Proof of proper calibration of the equipment being used for testing shall be provided to the residents and testing organization(s).

4. The actual testing shall be filmed from the moment the testers arrive on site until the time they leave (including the instruments being used during testing). There are countless local volunteers to carry this out this task at no cost. The recording of events shall not impede the process or skew the results of testing. Much like poll workers, their function will simply be to ensure the integrity of the process.

5. After testing is complete, both the meteorological and generation information will be provided for each turbine in Shirley Wind project for the testing time frame as well as the historical data for the turbines during other generation time frames (to ensure that the turbines were operating in a 'normal' fashion during the testing - not feathered or otherwise altered by the reluctant testing subject, Duke Renewables' Shirley Wind LLC). The PSC may have to demand this data from Duke or the power purchaser Wisconsin Public Service. Both Duke Renewables and WPS have this data readily available and it would seem reasonable for them to furnish it to the regulatory agency overseeing large scale wind development in Wisconsin for purposes of this testing.

6. That human receptors be present as much as possible (taking into consideration they get sick and may be unable to stay) during testing to ensure that the times that are tested are times that adversely affect their well-being. Coordination of testing times around these conditions is crucial to finding root cause. While this may be considered a subjective measure, it is critical as the PSC of Wisconsin, Duke Renewables, nor Wisconsin Pubic Service appear able to correlate our families suffering to any particular operation of the turbines.

7. All raw data, instrumentation details, protocols, and results (both objective and subjective) be made public and freely available in a timely fashion prior to PSC approval of any other Wisconsin wind projects.

8. Permission for access to the homes and/or property of the residents of Glenmore under consideration for this testing is revocable at any time as a result of any infraction of these criteria.

More affected residents may be willing to be included in this LFN testing under these conditions.

Signed on November 8, 2012:

David H Enz Rosemary M Enz Property Address: 6034 Fairview Rd Denmark, WI 54208

Darrel R Cappelle Sarah A Cappelle Property Address: 5792 Glenmore Rd De Pere, WI 54115

Darren L Ashley Susan M Ashley Property Address: 3820 Schmidt Road DePere, WI 54115

Public Service Commission of Wisconsin (PSC)

Submitted: 10/11/2012 10:40:51 AM

COMMENTS FILED ELECTRONICALLY IN

Application of Highland Wind Farm, LLC, for a Certificate of Public Convenience and Necessity to Construct a 102.5 Megawatt Wind Electric Generation Facility and Associated Electric Facilities, to be Located in the Towns of Forest and Cylon, St. Croix County, Wisconsin

2535-CE-100

Commentor Information:

Name: Richard R. James Address: P.O. Box 1129 City: Okemos State:MI Zip:48805 E-mail: rickjames@e-coustic.com Phone: 517-507-5067

Comment:

I have conducted noise tests at the home of Mr. Dave Enz which is located about 3000 feet from the nearest of four wind turbines in the Shirley Wind Project, Glenmore, WI. I have also conducted similar tests at many other homes spanning from North West Iowa to island off the coast of Maine. In all cases, the homes of families who are exhibiting symptoms of vestibular dysfunction now classified as Wind Turbine Syndrome were subjected to infra and low frequency sound pressure levels sufficient to exceed the Thresholds identified in the research of Dr. Alec Salt needed to trigger vestibular response to the brain.

The Wind Industry, enabled by its acoustical and medical experts, continue to ignore these complaints, claiming that the infra and low frequency sound is not sufficient to trigger these responses. This ignores the 60 year history of cases where other types of large slowly rotating machines have caused similar symptoms, often categorized under the term Noise induced Sick Building Syndrome. In those cases, inaudible levels of infra and low frequency sound were found to be the cause of the problems. When the source of the noise was corrected the symptoms reported by the people abated. The same is true for the people who are experiencing Wind Turbine Syndrome. When they leave their homes for periods of days or weeks, the symptoms abate. When they return to their homes the symptoms reappear. I have personally observed clients in their homes tell me when turbines outside their homes start and stop. The state of turbine operation is not known because the turbines are not visible in any way to them when they make these observations. Review of my sound pressure level measurements show a tight correlation between the times these people say the turbines are operating and the presence of high levels of infra and low frequency sound.

The State of Wisconsin's Public Service Commission should deny the Highland Wind Project's application because of the potential for adverse health effects for people living in or near the footprint of the wind turbine project. When there is evidence of harm being done to people living in the footprint of existing projects approving the Highland application is an act of the State that subjects its citizens to participating in an experiment that can adversely affect their health and well-being without their consent and without compensation. This would be an outrageous act that is not acceptable for any government agency. Citizens should not be considered as test subjects, mere guinea pigs or "collateral damage," just because a company wishes to make money at the cost of a community's health and welfare.

Given what is already known about adverse health effects from utility scale wind turbines, the Precautionary Principle should be applied. Until we know more about the biological processes involved in producing the symptoms of Wind Turbine Syndrome and the intensity and other characteristics of the infra and low frequency sound emitted by utility scale wind turbines the State PSC should place a moratorium on all new projects.

Richard R. James, INCE

I affirm that these comments are true and correct to the best of my knowledge and belief.

Richard R. James

Glenmore Residents' Symptoms

Anxiety Appetite loss Blurred vision Chest vibration Cold-like symptoms lasting for long periods of time Disequilibrium Depression Digestive problems Difficulty concentrating Desire to get outside Ear pressure, pain, itching, "popping" and/or ear infections Fatigue Headaches Heart palpitations Heavy chest Insomnia Malaise Memory loss Muscle & joint pain Muscle spasms Nausea Panic attacks Sinusitis Vertigo Weakness

All symptoms reported by the Glenmore families who are living in, or have lived in proximity to the eight 492' Shirley Wind project wind turbines are only symptoms that began, or were significantly exacerbated, once these turbines began operation. Great care was exercised to not allege symptoms frivolously or to exaggerate or misrepresent what was and is being experienced by these families. These are NOT the only families experiencing adverse health effects.

Affidavits of Some Shirley Wind Turbine Victims

Home	Name	# of People affected in Home
1.	Ashenbrenner	6
2.	D. and S. Ashley	4
3.	D. Ashley	1
4.	Baugnet	3
5.	Bebo	1
6.	Brantmeier	4
7.	Cappelle	4
8.	Desotelle	3
9.	Enz	2
10.	Jens	2
11.	Kolarik	4
12.	Komowske	4
13.	Peters	2
14.	Schauer	4
15.	Smurawa	1
16.	Tenor	4
17.	Vankauwenberg	1

To whom it may concern:

We, the Aschenbrenner Family, have had many negative effects since the wind turbines have started turning. There are many sleepless nights, migraine headaches, anxiety attacks, cold symptoms that don't go away, fatigue and depression, to mention a few. I have lost a lot of concentration and lost much interest in going outside. If it wasn't for my wife Lisa and my parents I would be much farther behind with my everyday chores. I strongly encourage the Town Board of Glenmore to help the townspeople to not let any more turbines in the Town and to possibly turn the existing turbines down.

Sincerely,

Lever aschenbrenne

Kevin Aschenbrenner 6401 County Rd X Depere, WI 54115



PSC REF#:171111

BEFORE THE PUBLIC SERVICE COMMISSION OF WISCONSIN

Application of Highland Wind Farm, LLC for a Certificate of Public Convenience and Necessity to Construct a 102.5 MW Wind Electric Generation Facility and Associated Electric Facilities, Docket No. 2535-CE-100 to be Located in the towns of Forest and Cylon, St. Croix County, Wisconsin

DIRECT TESTIMONY OF DARREN ASHLEY

Q. Please state your name.

- A. Darren Ashley
- Q. What is your address?
- A. Currently I am living at 39 Prospect Avenue, Denmark, WI 54208. My former address is 3820 Schmidt Road, De Pere, WI 54115. We left our home on May 10, 2011.

Q. Do you own your home?

We own both homes.

Q. What is the purpose of your testimony?

A. I am testifying to provide the Commission with my personal experience living near the Shirley Wind Farm in Glenmore, Wisconsin.

Q. Where is your home in relation to the Shirley Wind turbines?

A. I believe we are over a mile of the closest turbine.

Q. Did you notice any changes when the turbines became operational?

A. Yes. I noticed immediately that my ears started hurting. As the turbines turned on and off, I noticed something was bothering my ears. As time went on, it got worse. I experienced head aches, ear pain, my left eye would be blurry in the morning, and when I was away from the turbines during the day, my ears would feel like they were draining. When I returned, the pressure in my head and ears would return.

DIRECT-FOREST VOICE-D. ASHLEY-1

Q. Where do you work?

A. I work in Green Bay at Proctor and Gamble. I run paper machine. My work requires that I am able to see the machinery and that I can pay very close attention to the mechanical tasks I am performing. I work with very heavy equipment.

Q. Do you have your health symptoms all the time?

A. No. When I'm at work, my head drains, but my headaches persist, sometimes for days. I don't go to my house anymore. My ears can pick up when I get close to the turbines.

Q. Did anyone else in your family have symptoms?

My sixteen year old daughter couldn't sleep at night; she experienced ear pain, and my ten year old son would get dizzy when playing in the back yard. He got headaches and my wife got headaches. My daughter and I can tell when the wind turbines are turning on and off without looking at them, just by the sensations in our ears.

Q. Before the turbines became operational, did you anticipate that they would make you and your family sick?

A. Absolutely not. I thought being a mile away would be well within the safe limits.

Q. Have you tried to sell your home?

A. We have not tried to sell our house for fear of handing the same problem off to another family. We are paying two mortgages now.

Q. Have you heard anyone say there is no scientific evidence that industrial wind turbines harm human health?

A. The wind industry has said that – Duke Energy has told us that. I've heard the wind industry say there is no proof of health effects.

Q. How do you respond to that?

A. Why do my head and ears hurt when I'm in the Shirley wind farm, and why do I feel better when I'm away from them?

My daughter has driven through other wind farms since leaving our home, and she experiences the problems driving through Indiana and driving through Fond du Lac.

Q. Is there anything else you want to add?

- A. I would say that I didn't think I would be affected. I was the last person I thought would be affected by the turbines, but I am completely affected by them with my sore ears and headaches, and I don't want anyone else to suffer like I have and like my family has, and not be able to live in their house like my family has.
- Q. Is your testimony in the matter true and correct to the best of your knowledge?
- A. Yes.
- Q. Does this conclude your testimony?
- A. Yes.

Date: Sat, 13 October 2012

Please read our nightmare living near and being <u>forced to abandoned our</u> <u>home</u> from the Shirley Wind Project area in Glenmore Wisconsin. We are still unable to live in our home and many others are suffering due to unhealthy setbacks of IWT. We have a home, but we are unable to live in it,

what do we do now?

Susan Ashley Uprooted for more than a year from 3820 Schmidt Road DePere, WI 54115 920-863-1855

Date: Mon, 6 Jun 2011

I am writing to inform you of problems we are having in Glenmore, WI about one mile away from some of the largest turbines in the state. We have been experiencing health concerns in our home with the Shirley Wind Farm in operation. My husband has experienced incessant ear pain for months, never before having a problem of this magnitude. Our 15 year old daughter also experiences overwhelming pain and pressure in her ears while being in our home. I have had a multitude of headaches, when in the past I rarely experienced any. We have noticed ear popping and relentless head pressure, headaches, anxiety, and listlessness living in and around these wind turbines. How can the turbines be affecting us one mile away? It seems crazy, but when we realized our 15 year old could tell us, from within our house, when the turbines turned off and on within a minute of either cycle, we knew we were not imagining it. She was not looking at them, I witnessed this and I knew. After suffering to the point of not wanting to be in our home that we have enjoyed for 8 years, we decided to take our camper and live, attend school, and work away from our home. Within days we started feeling better. After more than a week, five of us decided to return home, only to have the symptoms come back. We are now living in our camper at a location 12 miles away. We notice when we must return to take care of "housekeeping" that there are better days than others, but we can only stay for a short period of time as we notice the pain returns when we stay too long.

This is really scary! What could this be doing to our children, to the neighbors, to us? This is so sad! If these turbines are affecting us, who else is being

affected? We feel it affects our ears and head, but what about our other organs? What is this doing to developing children and the elderly, to the animals?

Date: Fri, 28 Oct 2011

After living in our motor home for over 100 days, it became apparent we needed to find a place to stay as school was starting and winter was coming. We knew going back to live in our wonderful home was not an option; we have been forced to move on. Renting was very expensive, so we now live in a home half the size of our previous home. We went from a 5 bedroom, 2 1/2 bath home for the six of us, to a two bedroom, one bath home. Due to the health issues we faced living in our first home, and the symptoms that returned when we visit the house to get our possessions, we knew we had no choice but to leave. Now we face two mortgages, two sets of taxes, two utility bills, and two home insurance premiums. We cannot sell our first home in good conscience to a different family, feeling they also could suffer ill effects living in our now uninhabited house. How can this be justified? We believe we are living examples of people being affected by poor wind turbine placement. We realize not all people will be affected by wind turbines in the same way, or at the same time, but we feel very concerned for people living in the vicinity of these farms. There needs to be more health studies done to protect the people of this fine state.

We believe we are not the only family being affected in Glenmore, or in other wind farms across the world. Is there more we can do to protect others?

Again, thank you for your concern!

Susan Ashlev

Dated: October

Subscribed and Sworn to before me This 13 day of October, 2012.

Notary Public, State of Wisconsin 、 たっいい つう My Commission <u>09/18/2016</u>

> SARA KIPP Notary Public State of Wisconsin

PSC REF#:171113

BEFORE THE PUBLIC SERVICE COMMISSION OF WISCONSIN

Application of Highland Wind Farm, LLC for a Certificate of Public Convenience and Necessity to Construct a 102.5 MW Wind Electric Generation Facility and Associated Electric Facilities, to be Located in the Towns of Forest and Cylon, St. Croix County, Wisconsin

Docket No. 2535-CE-100

DIRECT TESTIMONY OF DORA ASHLEY

- Q. Please state your name.
- A. Dora Ashley
- Q. What is your current address?
- A. 3712 Shirley Road, DePere, Wisconsin, 54115.
- Q. How long have you lived there?
- A. 47 years.
- Q. Do you have a family living there with you?
- Yes. My husband Daryl lives here with me.
- Q. Are you employed?
- A. My husband and I are both retired and disabled.

Q. How far did you go in school?

- A. I graduated from high school and went to technical school for training as a nurses aide. I have also taken a variety of computer courses.
- Q. What is the purpose of your testimony?
- A. I am testifying to share my experience living in the footprint of a wind turbine project in the hopes that it will help educate decision makers that it is not in the public interest to locate these large turbines near people homes.
- Q. Do you live near any industrial wind turbines?

A. Yes. We live in the footprint of the Shirley Project in Brown County. The closest wind turbine to our house is about 1.5 sections away, and there are eight turbines within about 1.5 miles, two to the south and six to the east.

Q. Have you lived there since the project was completed and the wind turbines became operational?

A. Yes.

Q. When did these turbines become operational?

I think it was November or December, 2010.

Q. Have you or any members of your family experienced any health problems that you feel may be caused by the turbines?

A. Yes. When the turbines are operating, I feel dizzy and it feels like there is pressure in my head. Sometimes I have extreme pain in my ears. I just feel like something is not right. It is very uncomfortable and upsetting. This happens when I am home, and it also happens if I am driving by the turbines on my way to go shopping. Without looking, I can usually tell if the turbines are operating or not just by how I feel and the pain that I experience.

Q. Did you have these problems before the turbines were turned on?

A. No, I did not. These symptoms began when the turbines started operating. At first, I did make the connection to the wind turbines, but after a couple of months it became clear to me that my symptoms happened when the turbines were running, and my symptoms stopped when the turbines were not running or when I was away from home.

Q. Do you have any other health problems that you believe are related to the turbines?

A. Yes. I have both lupus and diabetes, and both were in remission before the turbines were turned on. Since the turbines started running, my symptoms have been returning. Also, my blood pressure is high when I am home. I was at my daughters for three weeks, to get away from the turbines, and my blood pressure dropped to 130. I just came home, and my blood pressure today, August 28, 2012, is 144. I expect it to be 160-180 tomorrow. I check it daily, and I take blood pressure medications. They work, but not when the turbines are running.

Q. Do experience these symptoms in your bedroom?

A. No. My bedroom is the most recent addition to our home, and it is situated about three feet lower than the rest of the home. It is also on the side of the house away from the turbines. My bedroom is my haven; I go in there to get away from the dizziness, tightness, and bad feelings I get. As I am walking out of the bedroom when the turbines are running, I immediately start to feel bad. These problems are worst in our living room. That is where I can feel them the strongest.

Q. Do you have these problems if you are outside in your yard?

A. Yes, I can feel if the turbines are running without looking at them when I am in the yard. I know when they stop and when they start just by how I feel.

Q. You testified that you were at your daughters for three weeks. Did you have these problems when you were there?

A. No. My daughter lives in Wrightstown, thirteen miles away, and I go there for respite. I do not have these same problems when I am there. I feel fine at her house.

I hated to come back home, but I was lonely for my husband, who had stayed home to take care of things. We have taken vacations for 10 or 11 days, and on those trips I have not had any of these problems. The problems return when we come home just as soon as the turbines are start running.

Q. Do you feel that you are sacrificing anything for the benefit of society?

A. Yes. I am sacrificing my good health and my quality of life, and it is not right. I am not doing so voluntarily. Landowners who live near turbines should not have to suffer because the participating landowners and the utility want to have turbines. I was always taught that in our society we compensate people who are asked to sacrifice for the greater good. That is not happening with the wind turbines in my community.

I am also sacrificing my friends, relatives and entertaining. My children will not come to visit because of the turbines, and that means my grandchildren do not come. It also means that we do not have household help that we need. I feel that we are paying a very high price because of the turbines. The quality of our life has been greatly diminished since the turbines were installed and began operating.

Q. Is your testimony in the matter true and correct to the best of your knowledge?

- A. Yes.
- Q. Does this conclude your testimony?
- A. Yes.

PSC REF#:174455

BEFORE THE PUBLIC SERVICE COMMISSION OF WISCONSIN

Application of Highland Wind Farm, LLC, for a Certificate of Public Convenience and Necessity to Construct a 102.5 Megawatt Wind Electric Generation Facility and Associated Electric Facilities, CE-100 to be Located in the Towns of Forest and Cylon, St. Croix County, Wisconsin

Docket No. 2535-

AFFIDAVIT OF DORA ASHLEY

STATE OF WISCONSIN)) COUNTY OF BROWN)

SS.

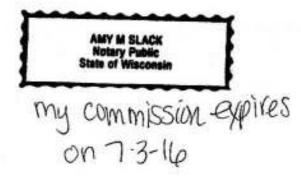
I, Dora Ashley, being first duly sworn under oath as follows:

I provided pre-filed written direct testimony in this docket.

I swear and affirm that the pre-filed testimony provided is true and correct to
the best of my knowledge and ability, and that there are no corrections or
revisions made to my testimony that have not already been included on the
record. If I were asked the same questions today, my answers would be the
same. It is my desire that my testimony be considered as evidence by the
Administrative Law Judge and by the Public Service Commission of
Wisconsin in this docket.

Dora Ashlev

Subscribed and worn to before me	, 2012
Notary Public, State of WT	_
County: Brown	1



Submitted: 10/10/2012 5:33:19 PM

COMMENTS FILED ELECTRONICALLY IN

Application of Highland Wind Farm, LLC, for a Certificate of Public Convenience and Necessity to Construct a 102.5 Megawatt Wind Electric Generation Facility and Associated Electric Facilities, to be Located in the Towns of Forest and Cylon, St. Croix County, Wisconsin

2535-CE-100

Commentor Information:

Name: Dora Ashley Address: 3712 Shirley rd City: Depere State:WI. Zip:54311 E-mail: d.mr@live.com Phone: 920-864-7455

Comment:

A few years ago I was completely ignorant about wind turbines. Since they have invaded my community I have learned how awful they are. The turbine companies do an exhorbant amount of damage. Within weeks of turbines running I was ill. At first did not know why or what. ___Now _I need to leave daily for relief of their affects. Blood pressure, blood sugar rise, the dizziness, feeling of 'static' in my head are unbearable. Ears fill up and go down very painfully. Sitting at my table one quiet day, (turbines were off) I was cutting apples for pie; had severe ear pain---glanced out window to see them running; had just been turned on. Sleep is rare even with the use of many perscription drugs. Feel like I could fly without a plane often!

Families are disrupted. I can no longer have friends or grand children to visit my home. We no longer entertain anyone here.

I walked a country lane to discover there is no wildlife near us any more. Deer would eat from apple tree. Farmers cows die. many are born maimed.

Our home is no longer a place to live in. Full of unwanted air pollution and Lord knows what else! I truly hope you get rid of all turbine companies. This IS A World Wide Problem. People all over the world Leave their Homes because they can't stand the effects!

Dora Ashley Town Of Glenmore

I affirm that these comments are true and correct to the best of my knowledge and belief. Dora Ashley

PSC,

We am writing this with concerns to the wind turbines in our back yard. Our house is approx. 1,250ft from the nearest turbine. Our oldest son moved out because he wasn't getting enough sleep and he has noticed a huge difference. With that we are writing to let you know they can be very loud to listen to. Most nights we wake up from the humming through our house and it is very hard to get back to sleep. Our concern is that we may not be getting enough sleep to get us through the next day. Some days it can be very hard to focus on task along with feeling light headed and very tired. In not sure it has anything to do with the turbines but I'm not sure it doesn't either.

Thank You,

Mark Baugnet Mark Baugret

Julie Baugnet

guie Baugnet

subscribed + swarn before me on this 14th day of

October, Zolz,

KERRI J SCHMIDT Notary Public

Brown County, State of Wiscusin My Cummission Expires -Octuber 20th, 2013

Brian Bebor. 6066 CTY BD NN Demmark WI 54208 I Brian Bebo Dive just under 1 mile away from the Dhirley Wind Projects. In the post 2 years. Dhave beend de a rundering and warding moise from the turbing. Day and might. (MORE SDATNIGHT) I bileve as they have caused restless night while triging to sleep. Mostly when it windows are open. My pursonal aprimin is they should not be placed men himes on tarms Shouk You fri Buts Bron Bebo subscribed + sworn before me on this day of October, 2012. Nei A Schit **KERRI J SCHMIDT** Notary Public State of Wisconsin Brown county, Stak of Wiscinih My commission Expires - October 20th 2013

Oct 14,2012

am withing this letter to express my concerns regarding the eight wind turbines we have near our house in We have had issues with AMOR. Shadaw flicker from-DAION the -Closest 15. Shadow hause kic goes through our whole instantly + set a 00 11774 noadache midnight y layear Dme nights 1 ASLOOD eadocres Son has had thick are migraines e alot my headaches DOGE Noir turbines have gone up. Mine since t are also migraines at times my whole tamily has think that feded by it as DOOM mood swines USer formily + Since the turbines lasing affected put up we are al moody a on eda alph. our neinous substems. Nobody Knows is like funtiliziona live here What 1 a shame that one human Can put something near our

home to make another human. 1 +lc Just not 52 miserable townor desperate Glenmor needs now Detore ho nings need Situation very Sad eggle have moved out of houses hoir This can't go on anymor oase help 211 Sincerely ammy Brantmeter Glenmore Road 5801 DePere, WI 54115 ammy Blantone Subscribed + Sworn before me On 14th day of October 2012 Schot State of wiscursin. Brown County. commission Expines - october 20th 2013 Mu KERRI J SCHMIDT Notary Public State of Wisconsin

PSC REF#:171118

BEFORE THE PUBLIC SERVICE COMMISSION OF WISCONSIN

Application of Highland Wind Farm, LLC for a Certificate of Public Convenience and Necessity to Construct a 102.5 MW Wind Electric Generation Facility and Associated Electric Facilities, Docket No. 2535-CE-100 to be Located in the towns of Forest and Cylon, St. Croix County, Wisconsin

DIRECT TESTIMONY OF SARAH CAPPELLE

Q. Please state your name.

A. Sarah Cappelle

Q. What is your address?

A. My home address is 5792 Glemnore Road, DePere, WI, 54115, but my husband, our two children, and I are no longer living there.

Q. Do you own your home?

I own this home with my husband Darrel.

Q. How long have you lived there?

A. Darrel and I purchased the home from my grandparents about seven years ago. This home has been in my family for 50 years.

Q. What is the purpose of your testimony?

A. I am testifying to provide the Commission with my personal experience living near the Shirley Wind Farm in Glenmore, Wisconsin.

Q. Where is your home in relation to the Shirley Wind turbines?

A. Our home is currently about 1200 feet from a wind turbine, one-half mile from another, and one mile from 4 others.

Q. How many turbines are there total in the Shirley Wind project?

A. The project consists of eight, 500-foot turbines total.

Q. When did the turbines near your home become operational?

A. The turbines became operational around late October of 2010.

Q. Did you notice any changes in your environment when the turbines became operational?

A. I immediately noticed turbine noise and shadow flicker.

Q. Did you notice anything else?

A. I started having headaches and experiencing insomnia, but at the time, I did not understand why this was happening. Around Christmas of 2010, my headaches and insomnia became worse, and I started experiencing ear pain, joint pain, muscle spasms, migraine headaches, and a general vibration sensation throughout my body. Around this same time, I realized that my youngest son, who was 6 months old, had stopped sleeping through the night. Instead of sleeping six or seven hours straight, he was waking up two to four times per night. He always woke up screaming. Around February of 2012, I began experiencing panic attacks.

I also noticed in the summer of 2011 we did not have nearly as much wildlife around our home. We had always had a lot of birds outside, and we had a problem with crickets getting inside. The first summer the turbines were running, we noticed the wildlife had virtually disappeared from outside our home, and we didn't have the problem with crickets.

Q. Do you have your health symptoms all the time?

A. I work on my family farm that is about one mile from my home, so I rarely got away from the turbines. I did notice that when I went to Green Bay, my symptoms were not as severe. When my family and I moved from our home around May of 2012, my symptoms went away within one week. Within a week, my youngest son was sleeping through the night and started waking up happy instead of screaming. I have noticed that he is sensitive to sounds, and covers his ears when he hears things like vacuum cleaners or tractors. When I return to my home, as I need to do periodically, my symptoms immediately return. Before the wind turbines became operational, I never experienced the type of illness that I do when I am in or around my home. I do have a tendency to get motion sickness.

Q. Did you ever see a doctor about the symptoms?

A. I did see a physician about the muscle spasms and was offered medication, which did not help the muscle spasms but did act as a sleep aid. I do not want to live my life on medications.

Q. Do your husband and older son have health symptoms?

A. Darrel and my older son did not experience symptoms as severe as I did.

Q. Before the turbines became operational, did you anticipate that they would make you and your family sick?

A. No. We thought that we would probably have problems with noise and shadow flicker but had no idea we would be come ill from them.

Q. Are you familiar with the Highland Wind project that is proposed to be constructed in the St. Croix County?

A. Yes. I submitted an affidavit on behalf of a group of people who are concerned that the Highland wind farm will harm their health and wellbeing.

Q. Have you heard anyone say there is no scientific evidence that industrial wind turbines harm human health?

A. Yes.

Q. How do you respond to that?

A. Wind advocates and wind energy companies have stated that there is no scientific evidence, but there is definitely anecdotal evidence here and around the world that proves there is a connection.

Q. Is your testimony in the matter true and correct to the best of your knowledge?

A. Yes.

Q. Does this conclude your testimony?

A. Yes.

Submitted: 10/11/2012 11:39:33 AM

COMMENTS FILED ELECTRONICALLY IN

Application of Highland Wind Farm, LLC, for a Certificate of Public Convenience and Necessity to Construct a 102.5 Megawatt Wind Electric Generation Facility and Associated Electric Facilities, to be Located in the Towns of Forest and Cylon, St. Croix County, Wisconsin

2535-CE-100

Commentor Information:

Name: Darrel and Sarah Cappelle Address: 5792 Glenmore Road City: De Pere State:WI Zip:54115 E-mail: darrelsarahcappelle@gmail.com Phone: 920-412-0500

Comment:

Dear PSC Members,

Please accept our comments regarding the placement of Industrial Turbines in residential communities. As residents of the Town of Glenmore, we lived 1250 feet from a wind turbine, one half mile from another and one mile from four other turbines, and have had to abandon our home this past April 2012 because of the ongoing health, shadow flicker, and noise issues. The proposed Highland Wind Farm in the town of Forest, consructed and opperated the same way as Shirley Wind would definately result in similar outcomes for citizens of the town of Forest. Emerging Energies has used the town of Shirley to demonstrate how they would most likey proceed in future projects. They made many promises written and verbal that they had no intentions of following. Shirley Wind has been sold twice since Emerging Energies assured our residents that all problems and concerns would be addressed and resolved. The new owners (Duke Energies) have been very difficult and dismissive of the problems the town of Glenmore residents have been having (shadow flicker, noise, and health issues). They will not follow the conditional use permit that was signed, they will not abide by the noise ordinance that the town of Glemnore has put in place and they ignore many of the residents when we call with our complaints or concerns.

Our town has had three familes forced out of their homes because of these issues, many others still suffering ill effects and are stuck. We are one of the familes forced out of our home. On a daily basis since the turbines went online in late October 2010 we have delt with issues of noise and shadow flicker. Soon after that we started suffering with sleep disturbances, headaches, earaches, muscle spasms, panic attacks, body vibrations, shortness of breath, tightness of chest, joint pain, prolonged colds and a general feeling of uneasyness. We had to get out. Who can live like this. We had no health issues before the turbines went up and one week after moving out of our long time home we felt completly better.

Please consider denying Emerging Energies or any other wind company the opportunity to destroy another community.

Sincerely,

Darrel and Sarah Cappelle 4433 Mill Road Denmark WI 54115 920-412-0500

I affirm that these comments are true and correct to the best of my knowledge and belief. Darrel and Sarah Cappelle October 14, 2012

To Whom It May Concern:

Since the Wind Mills have started up in Glenmore, I have experienced

several problems with my health as listed below:

- Loss of sleep, when we go up north my sleep is more restful. The same can be said when I traveled to Indiana in September. I felt very good after spending 5 days in Indiana. I wake up in the middle of the night here and lay there for hours. Therefore I feel sleepy during the day and I don't even seem to be able to take a nap any more.
- I have gained weight and I was doing very good at keeping the weight off and now it seems to be an ever ending battle.
- Headaches daily
- Ear problems, occasionally dizziness, nausea. At night when I go outside I can hear an audible hum and a vibration.
- Have lots of muscle and joints pain.
- Mood problems. My husband has been complaining that I lose my temper very quickly over very minor things. I have always have quick smile and it getting hard to do that.

I have problems with anxiety and I don't want to stay in the house. When Our daughter was staying here; we found reasons to go to town just about every day. Again my husband mentioned that several times.

We live approx. 4,000 ft. approx. from the nearest wind mill. I can see 6 of them from my windows on the west side of the house.

120m l Ner

Terry R. Desotelle

4423 Shirley Road

Denmark, WI 54208

State of Wisconsin, Brown Country Subscribed + sworn before me on this 14th day of October, 2012. Kuf Sator **KERRI J SCHMIDT** Notary Public State of Wisconsin

My Commission expires - 10-20-13

October 14, 2012

To Whom It May Concern:

In August, 2011, our daughter and her two sons stayed with us until June, 2012.

My grandson. Ronan C. A. Kitchen had several problems here that he did

not experience either in England or now in Texas:

- Chronic sleep deprivation, he rarely slept through the night. Being 8 years old, he needed his sleep. He had night terrors several time.
- He wanted to be outside all of the time, no matter of the weather conditions.
 He would his bicycle even in the snow.
- Did poorly in school here in Denmark. In England he did quite well and in Texas (in the fourth grade) he earned straight A's this school year.
- Had a hard time concentrating.

We live approx. 4,000 ft. approx. from the nearest wind mill. I can see 6 of them from my windows on the west side of the house.

a C.A. Kitchien For Ronan C Kitchen

4423 Shirley Road Denmark, WI 54208 October 14, 2012

To Whom It May Concern:

In August, 2011, our daughter and her two sons stayed with us until June, 2012.

My daughter, Paula M. D. Kitchen had several problems here that she did

Not experience either in England or now in Texas:

- Loss of sleep, she complained several times she would wake up around 3 AM and didn't get any more sleep. (sleep deprivation)
- She had lots of colds last long periods of time.
- Headaches daily, first she thought of depression. Went to the systems' a
 and ruled that out.
- Panic attacks, did not want to stay in the house. Found lots of reason to go to Green Bay or Denmark daily.
- Have lots of muscle and joints pain.
- Had a hard time concentrating.

We live approx. 4,000 ft. approx. from the nearest wind mill. I can see 6 of them from my windows on the west side of the house.

from my windows on the west side of the house. For Paula M.D.Kitchen Chest in the kay

4423 Shirley Road

Denmark, WI 54208

BEFORE THE PUBLIC SERVICE COMMISSION OF WISCONSIN

Application of Highland Wind Farm, LLC for a Certificate of Public Convenience and Necessity to Construct a 102.5 MW Wind Electric Generation Facility and Associated Electric Facilities, Docket No. 2535-CE-100 to be Located in the towns of Forest and Cylon, St. Croix County, Wisconsin

DIRECT TESTIMONY OF DAVID ENZ

Q. Please state your name.

A. David Enz

Q. What is your address?

A. Until the first part of February, 2011 I lived at 6034 Fairview Road, Denmark, WI. Now it is our mailing address but we are living with family, friends, and in our RV. We had to find new homes for our dog and chickens so they could be cared for.

Q. Do you own your home?

I own the home with my wife Rose. Our family built the home in 1978 and we raised nine children there.

Q. What is the purpose of your testimony?

A. I am testifying to provide the Commission with my personal experience living near the Shirley Wind Farm in Glenmore, Wisconsin.

Q. Where is your home in relation to the Shirley Wind turbines?

A. Our home is situated little more than one-half mile from the nearest turbine. We are within about one mile of five turbines.

Q. How many turbines are there total in the Shirley Wind project?

A. The project consists of eight, just under 500-foot turbines total.

Q. When did the turbines near your home become operational?

DIRECT-FOREST VOICE-ENZ-1

A. The turbines became operational sometime in late 2010.

Q. Did you notice any changes when the turbines became operational?

A. At first, I noticed I was feeling unsteady and unstable. I was feeling head pressure and having acid reflux. I also was experiencing blurred vision and could not read without eye strain. As I was experiencing these health effects, my wife Rose was getting terrible ear pain. Rose and I have both experienced a feeling of being unstable, and felt an overwhelming desire to flee. We have had panic attacks, felt ear pressure and pain, confusion, nausea, and an inability to concentrate.

Q. Do you have your health symptoms all the time?

A. No. Early February of 2011, Rose and I went on a weekend vacation. After a few days, we noticed we felt better, and that the symptoms described above went away. When we returned to our home we tried to stay but the symptoms returned forcing us to leave. We spent over a month in the south away from turbines. During that time, our symptoms went away and we felt good again. When we returned to our home we tried once more to stay but we became ill again. That convinced us the wind turbines were the problem because before the wind turbines became operational, neither Rose nor I suffered from these types of symptoms.

Q. Did you or Rose ever see a doctor about these symptoms?

A. When the ear pain became unbearable Rose went to the Doctor. They could not find anything wrong at that time. They found none of the regular causes for ear pain. For example, she did not have an infection. The only thing that made the pain go away was getting away from the turbines.

I went to the Doctor for blurred vision issues but he was unable to test for that. What he could test for was fine. Moving away from the turbines solved that problem also.

Q. Before the turbines became operational, did you anticipate that they would make you and your family sick?

A. No. We thought we'd be able to adjust to the wind turbines coming in by building a berm and planting some trees. We are both healthy people, and we did not think the turbines would harm our health, make us ill, or interfere with our ability to do things like sleep, read, or concentrate.

Q. Have you tried to sell your home?

A. We have considered trying to sell it, but we cannot, in good conscience, put other people at risk of getting the same adverse health effects we have.

Q. Are you familiar with the Highland Wind project that is proposed to be constructed in the St. Croix County?

A. Yes. I submitted an affidavit on behalf of a group of people who are concerned that the Highland wind farm will harm their health and wellbeing.

Q. Have you heard anyone say there is no scientific evidence that industrial wind turbines harm human health?

A. Yes we have.

Q. How do you respond to that?

A. There are many examples and papers that support the reality of health effects. I find most people are as uniformed as we were a few years ago. We didn't know or hear about it therefore were not expecting to get sick.

I believe there is more than enough personal testimony to convince a logical thinking person the connection between large turbines and adverse health effects is real. If not I would need to believe the percentage of liars, deceived or unstable people in the areas that turbines are placed is a lot higher than average. They were fine before the turbines.

Q. Is there anything else you want to add?

A. We have an open invitation to our home for anyone who wants to experience for themselves what it is like to be in and around our home when the wind turbines are running. Many friends and family have visited our home and many reported to me that they felt various symptoms such as nausea, vibrations in the stomach, ear pressure similar to what one feels when taking off in an airplane, head pressure, severe ear and head pain, dizziness, and general uneasiness. Others who visited did not report any symptoms.

No person should have to live with the health problems we have experienced since the Shirley Wind project became operational. The Shirley Wind project has had a significant effect on our lives, our health, our well-being, and our financial security. Our lives have been turned upside down. I can live with an obstructed view but I cannot live with having my wife sick and crying because her ears hurt so badly. Why doesn't the wind turbine industry have to prove the turbines do not cause health effects instead of regular people with very limited financial resources having to prove they are causing problems?

I ask you to reconsider the previous PSC128 siting rules in light of all the people who testify how the placing of large wind turbines next to them has made them ill. I read about the same problems around the world and although I am not a rocket scientist the overwhelming conclusion is, when wind turbines start up a significant number of their neighbors get sick. Many so sick they leave their homes. Do you really think there could be any other reason or cause for such a consistent world wide phenomena?

Q. Is your testimony in the matter true and correct to the best of your knowledge?

A. Yes.

Q. Does this conclude your testimony?

A. Yes.

Submitted: 10/11/2012 9:35:39 AM

COMMENTS FILED ELECTRONICALLY IN

Application of Highland Wind Farm, LLC, for a Certificate of Public Convenience and Necessity to Construct a 102.5 Megawatt Wind Electric Generation Facility and Associated Electric Facilities, to be Located in the Towns of Forest and Cylon, St. Croix County, Wisconsin

2535-CE-100

Commentor Information:

Name: David Enz Address: 6034 Fairvview Rd City: Denmark State:Wis Zip:54208 E-mail: iamrosesman@gmail.com Phone: 9202655119

Comment:

PSC Commissioners;

I would like to inform you about the problems Shirley Wind Farm has created for my family and friends. Shortly after the turbines started turning I started having

health issues which are documented in my affidavit. Thanks for the opportunity to present it 10/09/2012. I have filled complaints with Shirley Wind and the Town Of Glenmore, starting in 2010 ongoing. Most of them and the response from Shirley Wind are public record. They hired Mr. Hankard to test the house and yard. After three hours of daytime testing no testing during the night the answer according to them is they are in compliance with PSC 128 and the CPU therefore the industrial wind turbines are not the problem. I had my own testing done by an independent Acoustical engineer Mr. Richard James and he concluded the level of infra and low frequency sound is great enough to explain our symptoms. With experience never being at the mercy of theory I know the five hundred foot tall Shirley Wind turbines are harmful to people when placed as close to people as the ones at Shirley wind.

David Enz

I affirm that these comments are true and correct to the best of my knowledge and belief. David Enz

Attorney's;, Anne Bensky, Peter McKeever, and Glenn Reynolds

My name is Rosemary Enz and I lived at 6034, Fairview Rd. until the spring of 2011. I was forced to leave my home of over thirty years shortly after the Shirley Wind Farm IWT'S started turning fall 2010. It took a while to figure out why I was having ear pain, my stomach felt like I had the flu, and I felt like I was side stepping when I walked. I went to the Dr. and he found nothing physically wrong with me.

I also experienced head pressure, panic attacks, memory issues and a strong desire to get away. February, 2011 I went away for a few days for our family vacation and started to feel well again. I returned home the symptoms returned and I had to leave after one night. I left again for several weeks to find I again felt well. When I returned to the house I got sick again and had to leave. I am convinced the turbines are the problem because when they are turning I get sick when they are down I am well. I haven't lived in my home for more than a year and a half. I have no way to know when they will start up and I get too sick to take the chance if they do.

The turbines were down yesterday,10/12/2012 so I went home to transfer some things between our motor home and the house. I finished my task and was getting ready to leave when a few of them started turning. I felt them but thought I would be ok. I waited a few minutes in the car for my husband to come, but it was too long both ears were hurting and I felt pressure in back of my head.

The side stepping also returned. It is one day later and I am not fully recovered. I have no way to know how much damage has been done to my body or if it will ever go away. It takes less time to re-act now that it did in the beginning and may always be this way.

This injustice has forced me out of my home and caused great distress to our family! We were planning on staying in our home and enjoying our children and grandchildren for a long time. We designed and built our home for this purpose. I can no longer have the family over for events which help a family stay a family. The grandchildren can no longer play at the farm and they tell me they are sad about that. I miss them and it makes me sad to have that taken away from us.

My life has been turned upside down.

Rosemar Rosemary Enz

Dated: October __/3_, 2012.

(Beown) Resemany Enz Subscribed and Sworn to before me, Sara L Kapp This 13 day of October, 2012.

in i

Notary Public, State of Wisconsin My Commission 03/18/2010



Public Service Commission of Wisconsin (PSC)

Submitted: 10/11/2012 9:51:19 AM

COMMENTS FILED ELECTRONICALLY IN

Application of Highland Wind Farm, LLC, for a Certificate of Public Convenience and Necessity to Construct a 102.5 Megawatt Wind Electric Generation Facility and Associated Electric Facilities, to be Located in the Towns of Forest and Cylon, St. Croix County, Wisconsin

2535-CE-100

Commentor Information:

Name: Rosemary Enz Address: 6034 Fairview Rd City: denmark State:Wis Zip:54208 E-mail: momtoomany@gmail.com

Comment:

Shortly after the Shirley Wind Farm started turning the blades on their five hundred foot tall Industrial Wind Turbines my ears began to hurt. I tried to reduce the pain by going into my basement which helped some. After a few months I couldn't stand it anymore so I went to the DR. He could not fine any medical explanation but the pain remained whenever I was at home. When away on vacation the pain went away and returned soon after I came home. In addition I also had stomach nausea and head pressure issues. The desire to leave my home and panic attacks were overwhelming. My quality of life was greatly diminished. After a few months of testing by going away and returning I learned it was being in the area of the wind farm that made me sick. I left my home of over 30 years more than a year and a half ago.I return for short periods when the turbines are down to get some of my things and try to leave before the start up. If I don't leave in time the symptoms began to develop. My home has become impossible for me to live in. I am still trying to get the owner of the wind farm(Duke Energy)to fix the problem, but they say there is no evidence to show they are the cause. I didn't have a problem until they came and don't when they shut them down. That is proof enough for me.

Rosemary Enz

I affirm that these comments are true and correct to the best of my knowledge and belief. Rosemary Enz I'm Carie Jens and I live near the Shirley Wind Turbines. I am 40 years old and live with my husband and our three children. I am a physical education teacher in the Green Bay Public School District. Our address is 6187 Dickinson Road. The closest turbine is about three-fourths of a mile away. Our residence is just west of 6 turbines and just east of two others.

In February 2011, I noticed a fluttering feeling in my chest. This fluttering really felt like a skipped heart beat. At that time, I felt some anxiety with this. I don't recall which happened first, but for the next couple months I lived with this unsettled feeling. I hoped and even prayed that this feeling would stop and that my heart would somehow stop skipping a beat. I finally made an appointment with a doctor and ultimately saw a heart specialist in June 2011. I wore a heart monitor and had a full heart work-up done (ie. stress test, heart ultrasound, calcium score test, EKG). The findings reported a healthy heart, but that I have "Premature Ventricular Contractions" or PVC's. I am now on a medication called Metoprolol. This is a beta blocker that helps to slow my heart down. Even on the medication, I still experience some symptoms each day. An increased dosage is not an option because this medication also lowers blood pressure. For the last 15 years I've hovered at a lower end of blood pressure (ie. 100/58).

As stated I also live with my husband and three children. For the last six months or so, my daughter who is 8 years old, has been complaining that she has a hard time seeing far away. I kept her concern in mind, but knew that in 3rd grade she'd have vision screening done at her school. In mid-October, she had that testing done, with a letter being sent that her vision test showed some concern. She had a professional eye exam done October 26, 2012 and she now wears glasses with a 20/50 vision at best. This same child was an excellent sleeper. She slept through the night in her early years and up until the last year or so, she wakes up many nights a week and sometimes several times a night. I have to lay with her to help her sleep. Her sleep is restless on some of the nights. Others, she sleeps well and through the night.



Public Service Commission of Wisconsin (PSC)

Submitted: 10/11/2012 9:15:18 AM

COMMENTS FILED ELECTRONICALLY IN

Application of Highland Wind Farm, LLC, for a Certificate of Public Convenience and Necessity to Construct a 102.5 Megawatt Wind Electric Generation Facility and Associated Electric Facilities, to be Located in the Towns of Forest and Cylon, St. Croix County, Wisconsin

2535-CE-100

Commentor Information:

Name: Michelle Kolarik Address: 4295 Church Road City: Denmark State:wi Zip:54208

Comment:

Good morning,

To those of you who are considering placing turbines near your home, I am not sure what I can tell you to assist you in changing your minds, but my conscience tells me to attempt to do so anyway.

The turbines that slipped thru our township has destroyed the simple country life as we once knew it. The days of walking outside and listening to the birds or the quietness of the morning or the evening will be long over. Not only on quiet mornings or evenings but also on the windy days. I have been robbed and didnt even see it coming! The turbine industry has stole from my family in many ways. Besides the fact that they are ugly, drop the property value and are noisy they are harmful. Yes very harmful! I have not saught legal nor medical assistance of any kind at this time. I thought if I just leave it alone they will go away. Unfortunetly they (the industry) are relentless and dont care about you, nor your family. If money is the only reason why you are considering erecting one on your property. PLEASE talk to your neighbors. Perhaps they would love to buy your land at that same value so you dont need to worry about the money (extra income) and in return your health and your preservation of the land you live on will be kept in its integrity, the way it was meant to be. In Glenmore, I only wish that was an option. You still have a choice to make.

My oldest son has headaches, frequent and nasty. My daughter has ringing ears. Did you know that ringing ears can lead to permenant hearing loss? In the past year both my husband and myself have had medical changes. When we are away the symptoms miraclously disappear..(AMAZING) It doesnt take rocket science nor a Dr. to confirm what causes these..I just have to look out my window, or open it.Our dog did not come around for several months after her time was due...interesting. Though we can all think or speculate that perhaps my family is just going through life changes until you live here you do not know.....My prayer for you is that you will not have to experience what we do on a daily basis.

In your dreams tonight ask for help and guidance to make a clear choice in good conscience. Life is not about money. Life is about your health and your family. It is there that one is the richest person.Life seldom offers second chances. Make your voice heard, dont wait like I did, until it was too late.

I affirm that these comments are true and correct to the best of my knowledge and belief. Michelle Kolarik

10/26/12

ĩ

To whom it may concern,

I am a resident of the township of Cooperstown and my home is approximately 1.5 miles from the wind turbines in the Glenmoore Shirley area. I am writing to inform you and the community about my personal experience and my family's experience concerning these turbines.

Since the turbines started to spin there has been an increase in health issues that seem to continue to grow and develop.

After the first few weeks my entire family noticed our sleep pattern changed significantly enough to be mood altering. No one in our house was able to attain enough sleep. We first recognized the change because about one month after the turbines started to function my family took a small get away trip to Appleton, WI and stayed at a hotel for a couple of days. We all slept so good and felt so refreshed that after two days we wondered what could be causing the change at home. Just to let you know for better understanding me, I never sleep good at a strange or different location for the first couple of days and this was really amazing to sleep at the hotel so well right away. When we went home we all made it a personal project to note when we slept good vs. poorly and to see if the turbines were spinning that night or not. We all noticed the correlation of poor sleep with spinning turbines. It is bad enough not to sleep well in your own home, but the changes do not stop here.

Other personal health changes I noticed are as follows below and in somewhat of an order I began to notice them: 1. Insomnia - loss of sleep is causing insomnia and I am medicating myself for this issue now as well as my Daughter, Son, And Husband at times.

2. Headaches - sometimes turning into migraines. All family members are experiencing this especially my son.

3. Anxiety, Depression, and loss of motivation - I am seeking counseling for this at this time as well as other anxiety issues that I feel have a lot to do with lack of sleep and an inability to relax. I Feel the need to flee often.

4. Memory Loss, Loss of concentration, and Loss of focus.

Muscle and joint pain. My body is not healing as fast as it used to from workouts. My husband never got sore muscles until the last 3 months. Now he always has sore muscles.

6. Hearing Loss. Especially my Father in-law and my husband. I too am noticing a change in my hearing.

Loss of balance. I am a professional painter and spend significant amount of time on ladders and am accustomed to balancing. I noticed this change and struggle at work and home feeling sure of my balance now.

This is the list of changes to my health and my family's health as of to date that I have noticed since the turbines began to spin. This is the absolute truth to the best of my knowledge. I believe in clean and green energy, but noise pollution is not clean and needs to be considered when starting projects like the wind turbines in communities. Projects like this need to be done in locations that are vacant of people.

12 Burgs Same Grand good Barrie

Sincerely, Jennifer Kornowske COUNTY OF BROWN) COUNTY OF BROWN) COUNTY OF BROWN) COUNTY OF BROWN) COUNTY OF BROWN)

Revenue day of Concernent and signed this document.

P. Mr. Stown County, WI

To Whom It May Concern.

I'm Writing concerning the windmills in Shirely, WI area. I live about 1 1/2 miles from them and have been experiencing several problems ranging from hearing loss, sleep loss, very tired during the day headaches, muscle and joint pain, restlessness, depression, loss of concentration, and anxiety.

When we leave the area for wok in Appleton, Green Bay Etc. my symptoms start to leave, starting with anxiety. When I work out of town like Atlanta, Chicago etc. after about one day I start to regain better balance, my ears start to unclog. I sleep at night without restlessness, headaches start going away, muscles and joints stop aching, and my over all work experience and production picks up. At night when I wake up at home and feel rested I will look out our window to see if the windmill are not turning and find out that they for some reason have them turned off.

I'm definitely against bringing any more in and I can't wait to move away from these.

Thanks Darren Kornowske

Jarren Komousko



To whom it may concern.

My name is Dakota Kornowske and I live about a mile away from the wind mills. I am 15 years old and my room faces them. They are affecting me by sleep deprivation I either wake up a lot during the night or I have a hard time falling asleep, I am getting sore muscles . headaches, hearing loss it feels like I am on a air plane and my ears wont pop. I am having a hard time remembering things even if I was told four times. I have a hard time concentrating, and last but not least there is a major pressure change that is felt by everyone.

My family and I recently went on a vacation and we got tons of sleep, we felt refreshed and happy. But when we were driving home and where near the wind mills I started to get a head ach and we all felt the change in pressure. Last night on 10/4/12 they were not running and I slept very well.

I don't feel like the windmills are helping my family and others have a better life. I have included some websites in this letter that I hope you will look up and read to understand better how many people feel.

- http://www.wind-power-problems.org/
- http://eastcountymagazine.org/node/9238
- http://www.wri.org/publication/harnessing-naturespower?gclid=CI_k1quTubMCFQVgMgoddhMAVg

Thanks

Sincerely.

ubata parmanese

Dakota Kornowske

Jilleen J. Boown Normaly

To whom it may concern,

My name is Drake Kornowske, and I live approximately a mike and half away from the wind turbines. I am only 17 and a senior at Denmark High School, and have medical symptoms that I can't explain. Some of these symptoms are loss in balance, a lack of sleep, hearing loss, and memory loss. I believe that these symptoms are related to the wind turbines, in the township of Glenmore.

There are times when I wake up one the morning or I came home from school and I will somehow just fall over because of a loss of balance. When I wake up in the morning or in the middle of the night and I walk into the chimney, bookshelf, walls, and I have also walked into my parents door frame many times.

Lack of sleep is also affecting how I perform at school. Sometimes I will sleep great and sometimes I won't be able to sleep at all. I sleep in a bunk bed and personally I feel that my bed is super comfy. There really should not be any reason why I can't fall asleep. When I wake up in the morning when I go to school, I will also find myself falling asleep.

Hearing loss is never fun to have. When I am at school I really want to be able to hear all the words that my teacher has to say. In any of my classes I can't afford to not hear if we got an assignment or not. There are people at school and around me every day and are really soft talkers and I can't hear and or understand them. But none the less I can afford missing assignments in school resulting in falling grades.

I have even been a lot more forget full recently, and I tend to lose my belongings more often than ever before.

These medical problems that I have discussed with you in this letter are truly problems in my life. I don't always hear important things, I often forget, and I'm concerned that when I start driving that I could cause an accident because I fall asleep at the wheel.

I can only hope that this letter can help you understand that taking down the wind turbines will be beneficial to our community short term and long term. Personally I like the idea of renewable energy and trying to take advantage of that energy is responsible. But, however, I feel that the turbines need to be moved away from civilization were they aren't going to harm anyone is a very good idea.

This is my testimony and it's true to the best of my ability.

Sincerely yours,

Drube Komuske

JUEEN J. BODWIN NOTHEN

Drake Kornowske

To Whom It May Concern:

My husband and I live in the Town of Glenmore. We live in the Shirley Wind Project with the closet two (2) turbines being 34 mile from our house.

Since the two (2) turbines by our house have begun running, we have noticed an increase in physical and mental health problems for both of us and also for our pets.

My husband has increased anxiety, pressure in his ears, more frequent headaches, malaise and increased sinus problems. I have had more muscle and joint issues and experiencing insomnia which I never had before. I get dizzy/vertigo episodes which sometimes get to the point where I feel like I am going to pass out. These symptoms seem to have gotten significantly worse since the Shirley Wind turbines began running.

Also, our dog has started to have violent seizures. He has never had a seizure before in his life. They started after the turbines started running. When we brought him to the veterinarian for an exam, the vet could not find anything physically wrong with him and the vet said it was highly unusual for a dog his age to begin having seizures. He is having seizures more frequently now which is a huge strain on his mental and physical state. He is a very active dog, who likes to run and play but we can tell his health has been negatively affected by the seizures.

When we are not at home, I do not experience the dizziness as much and my husband is less prone to headaches and his anxiety level drops. My husband is very energetic and constantly busy with doing work around the house. With his increased anxiety and headaches he is having more often, he does not feel as motivated to do any work which is not like him.

Although we understand the need for green energy, we do not believe that it is fair to homeowners living within the vicinity of these industrial wind turbines to be subjected to the health problems that the turbines have brought to our area and into our homes. Nor should people be driven from their homes in order to maintain their health.

Thank you for listening.

Steve Peters 10/14/12

Sarah Peters

Subscribed + sworn before me this 14th day of Octuber, 2012 KERRI J SCHMIDT Notary Public State of Wisconsin My commission Expres, -10/20/13 - Mulliche Brown

Submitted: 10/10/2012 9:54:11 PM

COMMENTS FILED ELECTRONICALLY IN

Application of Highland Wind Farm, LLC, for a Certificate of Public Convenience and Necessity to Construct a 102.5 Megawatt Wind Electric Generation Facility and Associated Electric Facilities, to be Located in the Towns of Forest and Cylon, St. Croix County, Wisconsin

2535-CE-100

Commentor Information:

Name: Benjamin Schauer Address: 6225 Highview Rd City: Denmark State:WI Zip:54208 E-mail: bnsch@theglobalnet.net

Comment:

To members of the PSC,

My name is Ben Schauer. I live in Glenmore, WI in the Shirley Wind Industrial Wind Turbine Farm. The closest Wind Turbine is approximately 1800 feet from my house. My family has been experiencing health problems since these turbines were erected. My wife, Pamela, age 44 and my youngest son, Lance, age 10, get severe headaches when the tips of the blades face the house. We know that these headaches are caused by the Wind Turbines because when they go into our basement, below ground, within 10 to 30 minutes, their headaches go away without any pain reliever. When they come up from the basement, the headaches will return within 30 minutes to 1 hour. During these nights that the Wind Turbines tips are facing our house, my oldest son Michael, age 13, will not be able to sleep. He will have difficulty falling asleep or will wake up in the middle of the night and will be up for hours at a time. Myself, I get a whooshing or pulsating sensation in my head, that coincides to the rotation of the blades. The only way to describe it is that it is like being next to a car with a bass thunder box in the trunk. You may not be able to hear the music, but you can feel the overpressure of the low bass on your body. Thank you for taking these comments into consideration. Please do not allow anymore Wind Turbines to be erected until more health studies are done on the effects of living next to an Industrial Wind Turbines. The current set backs are way too close.

Here is a sampling of the reports that we have filed with our Town Board and with Duke Energy:

This past weekend Michael, my son(age 13), had difficultly sleeping due to the Wind Turbines. On Saturday, July 7th, 2012, Michael woke up a 2:00 A.M. and couldn't fall asleep until 3:00 A.M. I could not tell which way the wind turbines were pointing. On Sunday, July 8th, 2012, Michael went to bed around 10:00 P.M. and couldn't fall asleep until 12:00 A.M. Monday July 9th, 2012. Sunday night the wind turbine tips appeared to be facing the house.

On 23 Aug, my son, Lance (9) and my wife, Pamela (43) started getting headaches around 2:45 P.M. In the afternoon. The wind was coming out of the Southeast at the time and the wind turbine tips were pointed at the house. At 3:00 P.M. Lance and Pamela went into the basement to watch t.v. neither one took any pain medication before going into the basement. 20 minutes later Lance's headache went away around 3:20 P.M. 35 minutes after going into the basement, Pamela's headache went away around 3:35 P.M. At 3:45 P.M. they came up from the basement. Within 10 minutes Lance's headache returned and he went back into the basement.

On 24 Aug at 1:55 A.M., I (Ben, 43) woke up out of a dead sleep for no apparent reason and couldn't get back to sleep for 30 minutes. At 2:10 my son, Michael (13) came into our room and stated that he also woke up at 1:55 A.M. for no apparent reason and couldn't get back to sleep. At this point I checked the wind direction. The wind was still coming out of the Southeast at the time. It took my son until approximately 2:40 A.M. to fall back asleep.

This morning, Aug 29th, my son, Michael (13) woke up at 5:00 A.M. for no apparent reason. At 5:20 A.M. he came into my room and informed me that he couldn't get back to sleep. At that time I went downstairs and checked the wind direction. The wind was coming out of the southeast again, which means the wind turbine tips were again facing the house. Michael finally fell back asleep at 5:30 A.M. This is a teenage boy who will sleep until 9:00 A.M. without even stirring under normal circumstances. Please pass this information to Mr. Jordan.

Michael was up from 1:50 a.m. until 4:00 a.m. this morning (9-7-2012) and could not fall asleep back once he was up. He just laid in bed trying to fall back asleep. I could see the wind turbines were turning, but I could not determine which way they were facing at that time. When I drove into work this morning the Wind Turbines were facing the north/northeast. This means the tips of the wind turbines closest to Glenmore Road and Hwy 96 intersection would have been facing our house. Please pass this information to Mr. Jordan.

Michael again had trouble sleeping on Thursday, Oct 4th. He couldn't fall asleep from 9:30 P.M. until 1:00 A.M. I was unable to determine during the night which way the Wind Turbines were facing. Pam and Lance had headaches during that evening that only went away when they went into the basement.

On Monday, Oct 8th, Michael keep waking up on and off during the entire night. He couldn't get a consistent sleep all night. Unfortunately, again I could not determine which way the Wind Turbines were facing.

I affirm that these comments are true and correct to the best of my knowledge and belief. Benjamin Schauer

PSC REF#:171117

BEFORE THE PUBLIC SERVICE COMMISSION OF WISCONSIN

Application of Highland Wind Farm, LLC for a Certificate of Public Convenience and Necessity to Construct a 102.5 MW Wind Electric Generation Facility and Associated Electric Facilities, to be Located in the Towns of Forest and Cylon, St. Croix County, Wisconsin

Docket No. 2535-CE-100

DIRECT TESTIMONY OF PAMELA SCHAUER

- Q. Please state your name.
- A. Pamela Schauer.
- Q. What is your current address?
- A. 6225 Highview Road, Denmark, Wisconsin 54208.
- Q. How long have you lived there?
- A. 13 years.
- Q. Do you have a family living there with you?
- A. Yes. My husband Ben and our two children, Michael, age 13, and Lance, age 9, live here with me.
- Q. Are you employed?
- A. Yes. I am employed at Bellin Hospital in Green Bay, Wisconsin.
- Q. How far did you go in school?
- A. I have a Bachelor of Science degree.
- Q. What are you trained to do?
- A. I am a Medical Records Specialist.
- Q. What does your husband do for a living?

Public Service Commission of Wisconsin RECEIVED: 08/30/12, 11:34:45 AM A. He is currently the manager at Krolls East, a restaurant in Green Bay. He is also a lieutenant colonel in the United States Army Reserve and recently returned from a tour of duty overseas.

Q. Do you live near any industrial wind turbines?

A. Yes. We live in the footprint of the Shirley Project in Brown County. The closest wind turbine to our house is about one-half mile, and there are six turbines within about 1.5 miles.

Q. Have you lived there since the project was completed and the wind turbines became operational?

A. Yes.

Q. Have you or any members of your family experienced any health problems that you feel may be caused by the turbines?

A. Yes. When the turbines are operating, and when they are pointed in the direction of our home, my two sons and I suffer severe headaches. My son Michael complains that he is unable to sleep when the wind is blowing in a direction that causes the turbines to be pointed toward our home.

Q. You testified that these are severe headaches. What do you mean?

A. My headaches sometimes are like migraine headaches. They are very painful. I have taken Tylenol and it does not touch them. My sons both complain about the headaches, which interfere with their ability to do their studies and enjoy their other activities.

Q. Have you discovered anything to stop the headaches?

A. Yes. We have learned that if we go in our basement the headaches stop within fifteen minutes. We do not have any headaches when we are away from home, and we do not have problems when the wind is blowing in a direction that causes the turbines to be pointed away from our home. The boys do not have headaches when they are at school.

Q. How old is your home?

A. It was built 13 years ago.

Q. Is it a wood frame home?

A. Yes.

Q. Where are the bedrooms?

A. It is a two-story home, with a basement, and all the bedrooms are upstairs.

Q. Where is your son Michael's bedroom?

A. His bedroom is closest to the nearest turbine.

Q. You testified that Michael has trouble sleeping, is that correct?

A. Yes. He complains that he is tired but unable to sleep when the wind is blowing in a direction that aims the turbines at our home. At least once a week he has a very poor night sleep.

Q. Is he experiencing any problems that you attribute to his lack of sleep?

A. Yes, he is having problems in school because he is tired and unable to concentrate and think clearly.

Q. Did your family have any of these problems, these headaches and difficulty sleeping, before the wind turbines became operational?

A. No, we did not. No one complained of headaches, and Michael was normally getting plenty of sleep. Now he has difficulty at least once a week.

Q. Do you know why your family is having these problems?

A. No. I do not know for sure, but I believe it is because of something caused by the wind turbines. I think it could be low frequency sound, or it could be that infrasound is causing our home to reverberate somehow, and maybe that reverberation is causing our headaches and Michael's sleep problems. What I do know for certain is that we had none of these problems before the wind turbines became operational, and we do not have these problems when the turbines are not operating or when we are away from home. It seems clear to me that there is some unexplained cause and effect relationship. I think it is important that people generate energy with wind, but they should not put the turbines near homes and harm people's health. Wind turbines belong in places where people do not live, not near homes.

Q. Is your testimony in the matter true and correct to the best of your knowledge?

- A. Yes.
- Q. Does this conclude your testimony?

A. Yes.

Robert Smurawa 6066 CTYRD NN ENMarle WJ. St 54208 Dille () an avo l full ymder auta Wind feelides in #1 east from the 6.2:00 10 have Respect . been fulices ut il d h 111 1 poles heal a Sleeping me rate a light Dright 20 a na 1lu by them te Ween a al a.u under Nion #1 Ma es as 011:00 all 12 Dings fieed Plie the flore ial ful the this by homes Industrial & alles and en both people and animals. That's you ert Alening ,0. Swan before Subsiriod day of 147 me 2012 Ktolar Bran state of Wisconsin Can (ummission Expires - October 20th 2013 My KERRI J SCHMIDT Notary Public State of Wisconsin

PSC REF#:171114

BEFORE THE PUBLIC SERVICE COMMISSION OF WISCONSIN

Application of Highland Wind Farm, LLC for a Certificate of Public Convenience and Necessity to Construct a 102.5 MW Wind Electric Generation Facility and Associated Electric Facilities, to be Located in the Towns of Forest and Cylon, St. Croix County, Wisconsin

Docket No. 2535-CE-100

DIRECT TESTIMONY OF JEAN TENOR

- Q. Please state your name.
- A. Jean Tenor
- Q. What is your current address?
- A. 3290 School Road, DePere, Wisconsin 54115
- Q. How long have you lived there?
- A. Since 1984.
- Q. Do you have a family living there with you?
- Yes, my husband and our two adult sons.
- Q. What is the purpose of your testimony?
- A. I am testifying to provide the Commission with my personal experience living near the Shirley Wind Farm in Glenmore, Wisconsin.
- Q. Where is your home in relation to the Shirley Wind turbines?
- A. Our home is currently about 1900 feet from two different wind turbines.
- Q. Have you lived there since the project was completed and the wind turbines became operational?
- A. Yes
- Q. When did the turbines become operational?

I believe it was November or December of 2010.

Q. Have you or any members of your family experienced any health problems that you feel may be caused by the turbines?

A. Yes. Soon after the turbines became operational I could not sleep as well as I had previously. The noise from the turbines make it difficult to fall asleep. I saw my doctor about this, and she put me on some sleeping medications, but those have not been very helpful. My two adult sons, both in their 50's, have also had difficulty sleeping, and my husband has developed panic attacks requiring anxiety medication. In addition, I have had heart problems that have not been lifethreatening but which have required anti-anxiety medications to resolve the problems.

Q. Did any of you have these problems before the turbines started operating?

A. No, all of these problems started soon after the turbines began to operate. I had no difficulty sleeping, and I had had a recent health checkup shortly before the turbines became operational that revealed no problems and I felt fine.

Q. Have there been any additional problems?

A. Yes. I have a pair of expensive \$6000 hearing aids. I cannot wear them in my own home or yard because the "Whoosh, Whoosh" sound of the turbines is so loud it is unbearable. I am in my own home and I cannot use my hearing aids.

Q. Are there times when the sound from the turbines is louder or quieter for you?

A. Yes. When the wind is blowing hard the turbine noise is less of a problem because the rustling trees tend to muffle the turbine noise. The noise is loudest when the winds are relatively calm, the turbines blades are turning slowly, and the leaves are not rustling loudly. That is when the noise from the turbines is most unbearable.

Q. Have you had any other health problems in addition to the sleeplessness and the heart problems?

A. Yes, my appetite has decreased and I've lost weight I did not plan to lose. I have had nausea and a heavy feeling in my chest that will not go away. It feels like a weight in my chest. My doctor tells me that these could be related to how my body reacts to infra and low-frequency sound from the turbines, and she has found no other potential cause. Nothing else in my life has changed except the turbines have been operating near by. I have lived here for many years and have been a very active bow hunter. It has become much harder to do the things I love to do, and I believe the reason is the turbines. I think the problems is the low-frequency sound that is not audible but which affects me. I support green energy, but I think wind turbines should absolutely not be located near people's homes.

Q. How old is your home?

A. Approximately 100 years.

Q. Is it a wood frame home?

A. Yes. The original part of the house, 16 feet by 16 feet is hand-hewn logs. The rest is typical wood frame construction.

Q. Since the turbines began operating have there been any occasions when you were able to leave home overnight and sleep elsewhere, some place where you are not close to wind turbines?

A. Yes. I feel much better when I am not at home and near the turbines. Sometimes when I leave home to go shopping, I have to stop and take a nap beside the road, before I go shopping, because I am so sleepy from not being able to sleep at home.

Q. Did you still have difficulty falling asleep when you were not at home?

A. No, I sleep better and my appetite improves. We have a travel trailer and sometimes go up north, and when we are gone we don't have any of the health problems we've had at home since the turbines started operating.

Q. Is your testimony in the matter true and correct to the best of your knowledge?

A. Yes.

Q. Does this conclude your testimony?

A. Yes.

BEFORE THE PUBLIC SERVICE COMMISSION OF WISCONSIN

Application of Highland Wind Farm, LLC, for a Certificate of Public Convenience and Necessity to Construct a 102.5 Megawatt Wind Electric Generation Facility and Associated Electric Facilities, to be Located in the Towns of Forest and Cylon, St. Croix County, Wisconsin

Docket No. 2535-CE-100

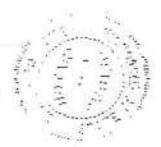
AFFIDAVIT OF JEAN TENOR

STATE OF WISCONSEN)) SS. COUNTY OF BROWN)

- I, Jean Tenor, being first duly sworn under oath as follows:
 - 1. I provided pre-filed written direct testimony in this docket.
- 2. I swear and affirm that the pre-filed testimony provided is true and correct to the best of my knowledge and ability, and that there are no corrections or revisions made to my testimony that have not already been included on the record. If I were asked the same questions today, my answers would be the same. It is my desire that my testimony be considered as evidence by the Administrative Law Judge and by the Public Service Commission of Wisconsin in this docket.

Henn Teno

Subscribed and wom to before me This ______ day of <u>Ories ar</u>____, 2012 _______ Notary Public, State of <u>______ isconsin</u>_____ My commission expires <u>______ 6-26-16</u>



11/5/2012

To whom it may concern,

I'm a concerned citizen who lives within 3/4 of a mile of the Shirley Wind Project for the past two years. I have noticed the following symptoms and I am very concerned about them.

Here are some of the symptoms;

- 1. All of our natural wild life (birds, rabbits, deer, ect.) is down by 50%.
- I have horses and in the past two years I have had to have my veterinarian out at least six times for colicky type symptoms and depression. The vet is at a loss to explain the frequency of these symptoms because we have managed (feed and water) them the same for the last 8.5 years.
- I have arthritis, and in the past two years I have had an increase in pain in all my joints.
- 4. I have experienced increased symptoms of anxiety and insomnia.

I firmly believe with what's been happening in my area and on my own property, regarding the above concerns and symptoms with the industrial wind turbines, that human occupancy and industrial wind turbines can not coexists without terrible consequences or compromises.

I hope you will consider my concerns and those of my neighbors living in the Shirley Wind Project area and pass appropriate laws to protect our health and safety, to do so we will need more studies to our health and environment of the effect of industrial wind turbines.

> Thank You, for your time and consideration. A concerned citizen.

Diana L. Van Kauwenberg

man

Date: 11 / 06 / 12

Date: 09/28/2014 (Expire Date)

Attorneys: Anne Bensky, Peter McKeever, Glenn Roynolds

Joshua David Enz 210 Kellner St Denmark Wi

Statement of testimony: Shirley Wind Farms.

My name is Joshua David Enz. I was originally not affected by the wind turbines in the Shirley wind project. I was able to be within the Shirley wind project area and not be affected in any way. It was not until I was working in the wind-farm area almost daily for a period of weeks that I started to notice issues. In recent months I have become affected whenever I enter into the wind farm area, within 1 mile. I originally noticed this when working on my van at David Enz's property located at 6034 Fairview Rd. I currently live at 210 Kellner St in the Village of Denmark. I was simply using the lift at my fathers' home, when I started to become nauseous and dizzy. I ignored the issue thinking I was just coming down with something, and continued working on my vehicle for another hour or so. When the problem got progressively worse I left the property where the issue started to dissipate. I felt fine when I was back at my residence in Denmark, at that time, 671 Green Bay Rd Apt 7. I went back out to the property the next evening to continue working on my vehicle, and within an hour had a migraine headache, and was again feeling nauseous. Needing to get my vehicle fixed I stayed for another hour until I started to forget what I was working on and at one point took off parts that I had just reinstalled on the vehicle. I left the property again, and was feeling better by the time I reached home. Now whenever I go out to the property to run errands for my father as I can no longer stay there for longer than a hour, I get headaches and have a flight response that I have to overcome each time. The headaches take longer to dissipate now that I have been out there more often. Sometimes it takes over 4 hours for the symptoms to go away after I leave the property. I only go there for very short periods of time now, and only when absolutely necessary.

This is a true and accurate statement.

AL

Joshua David Enz

Joshua Douard Gre Signed and Sworn before me, Sava L King

On the 13 day of October 2012

State USI County Becaso

Notary

Commission Papines 09/18/2016

SARA KIPP Netary Public Misconsin Stain of

Public Service Commission of Wisconsin (PSC)

Submitted: 10/11/2012 11:33:32 AM

COMMENTS FILED ELECTRONICALLY IN

Application of Highland Wind Farm, LLC, for a Certificate of Public Convenience and Necessity to Construct a 102.5 Megawatt Wind Electric Generation Facility and Associated Electric Facilities, to be Located in the Towns of Forest and Cylon, St. Croix County, Wisconsin

2535-CE-100

Commentor Information:

Name; Nataliya Enz Address: PO Box 221 City: Denmark State:WI Zip;54208 E-mail: Nataliya.enz@gmail.com

Comment:

Ever since the wind turbines have gone up within a half mile of my in-laws house in the Glenmore area, every time I have gone out there I have felt sick which includes headache, nausea, ear pain, and just a general sense of not feeling well and needing to leave the area immediately. Never before was I sick when I went there. These wind turbines are really not good for community at all. Pleas don't put any more up!!

I affirm that these comments are true and correct to the best of my knowledge and belief. Nataliya Enz

Keith Krause

W1639 County Rd. V V

Seymour, WI 54165

(920) 228-0136

To Whom It May Concern:

I am writing this account of my experiences being around wind turbines over the past year or so. Please read this in its entirety before making a judgment. Thank you.

In the summer of 2011 I went to help a friend of mine fix a vehicle at Dave Enz's residence. We were in a cinderblock shed for about 3 hours in total. I noticed a sensation (it felt like I was in an Improperly pressured airplane) beginning to form from the base of my ear going down to the jaw area. We left shortly after this...

About a month later we went to work on his vehicle again. This time I noticed the same sensation as we got closer to the Dave Enz residence. We were only able to stay about 2 hours this time because the pain was getting more intense for me.

A year later, my wife wanted to just look at the home of her childhood. I was reluctant because of the above effects of the wind turbines on me. We were on Cooperstown Road heading West and turned north on Fairview Rd. I noticed the same sensation right away. As we traveled closer to the Dave Enz farm, the pain was very noticeable. I couldn't stop, so we continued past the residence to turn right on State Hwy. 96. The painful sensations started to go away as we increased our distance away from the turbines, but it took a few hours for my ears to feel like they were not in an improperly pressurized airplane. About a month ago, a friend of mine from Green Bay wanted to take a look at the turbines. I brought him down on Dickenson Road. I was a fittle surprised. Usually I get that sensation in my ears when I approach the Glenmore Community Center. I didn't this time. Come to find out, the turbines were not turning. We went over to the Ashley's house. By then 2 of the turbines were starting. We traveled down Hwy 96 and went close to another one. My friend commented on the size and asked why they were not turning/running. I mentioned that they have to shut down if the wind is under a certain mph (miles per hour) or over a certain mph. We continued on to the Dave Enz farm. We were there about a half hour. Within this time all but one of the turbines were started or fully turning. I definitely feit the sensation that didn't occur earlier when the turbines were shut off. I'm not sure if my friend was affected or not. It's difficult to say with only 30 minutes of exposure; however, this is only my fourth exposure, and I can tell when they are on or off.

Please note that I have been over to the Dave Enz residence many times before the turbines were constructed and running and never had any of these experiences. I still don't have the sensation in my ears unless the wind turbines are running.

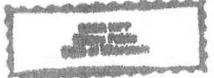
Thank you for reading about my experiences.

Sincerely,

Kuil Krause 10-13-2012

Keith Krause

Signed and Swarn by Keith Krewse Lettere M. Swall Kim on 13 day of colours 2012 WI Becom Sarah Kim Commission Reprises 59/18/2016



From: Donald and Judy Krejcarek

6145 Highview Road

Denmark Wi 54208

920-863-8127

We live within a half mile of one of the Shirley Wind project wind turbines. Plus two more of the windmills are within a mile of our home. Yes, we suffer from the flicker effect and the constant noise these turbines produce. There is very seldom any peace and quiet. Currently, we are not aware of any health issues we may be suffering as a result of our close proximity to the turbines and have been able to maintain our residency. But we still live with constant concern that we may be suffering undetected ill health effects as is evidenced by the families who have been forced from their residences. Unfortunately, no one really knows what the people who live near turbines might be subjected too. I firmly believe more studies are needed for the safety of the people residing in the community

There is also a monetary concern that all communities and governing bodies should be concerned with when industrial wind turbines are being considered. As some of you may know, there are currently three familles forced from their homes in the Town of Glenmore because of the turbines. Obviously, this issue will negatively affect home value. The question becomes, who would purchase a home or property near a turbine when it is common knowledge that families are currently forced from their nearby homes for health reasons allegedly caused as a result of the turbines. Yes, the validity of these health claims will always be questioned, but that is not the point. What matters is how people react to this knowledge, when considering the possibility of purchasing property in these areas. This strong preconception will continue to have a negative effect on all property owners who find themselves anywhere near the vast area these turbine systems can encompass. I wouldn't think there is any community or Individual who would desire to be in this situation and encourage you to give this factor its due consideration.

Respectfully all Hugcould Quidich Higcould 10-13-12 DONALD KRETCARER 10-12-12 Tudith Hig carel 10-13-12 Signed and Sworn before has by July Kreycarek and Donald Kreycarek on the 13th day of october 2012 State 151 County Brown SARA KIPP Notary Public State of Wisconsin exp onligicolla Sova L K.M. CUMPTERSION

Anne Bensky, Peter McKeever, and Glen Reynolds:

This is a report of the health effects I experienced at the Enz house in the Shirley Wind farm.

Dave and Rose.

wanted to let you know what happened when I went to your house to look for and bring things to your motor home for you. Friday June 22nd I went to your house to look for some keys. When I went there I felt pressure in my ears, but found out something was wrong with your deadbolt lock so had to come back to you to get back door keys. When I got back into the village of Denmark the pressure in my ears released. I then got the other keys and went back to the house. Instantly the pressure returned. I spent 3 hours at the house looking for and finding the items that you needed/wanted. Then a storm hit so I waited that out in the house. Then I started to take apart the deadbolt to see what was wrong with it, I took it apart but still couldn't pop the deadbolt back in, so I needed to wait for my husband Bob to come help me, at that point my ears were hurting really bad. By the time Bob got there I had a massive headache. But still I wanted to stay and help him. I stayed another 1/2 hour and I was feeling ill, I don't really know how to describe it, my ears were killing me, my head was pounding and I felt sick, out of sorts type sick. Bob noticed a change in me and my color, he asked me what was wrong, I said honey I don't feel good, my ears hurt really bad and my head is pounding. He said leave, leave now, I will finish this. I left. I went down your road, turned onto Hwy 96 and I honestly didn't know where I was, I was disoriented, I just kept driving and finally I recognized a landmark. I was sick all night. Saturday when I woke up I still felt "loopy" and had a very bad headache. Now I have taken more ibuprofen than I have in well over a month and still the headache persisted. I drank a lot of water hoping to flush whatever was going on out of me. Not so...no way to flush this out of my system. Sunday woke up at least feli better but still had a severe headache. Finally on Monday I woke up feeling back to normal. The day I was out there it was windy and we had a rain/hail storm. All of the turbines were on during the time I was there.

One day during the first week in October, 2012 my husband and I were driving toward the Shirley Wind Farm on our way to dinner with friends, when I suddenly felt pain in my ears. I put my hands over my ears and when my husband saw what was happening to me he turned off on the first side road. A mile or so down the road away from the turbines my ears quit hurting. I don't remember being bothered this far from the turbines before my experience at the Enz house. I was over a mile away when my ears started hurting.

SARA KIPP Sandy Little **Notary Public** Village of Denmark WI State of Wisconsin Beo.a.s Dated: October 13 . 2012. LUN Subscribed and Sworn to before me, Save Char RP CRIS-This 13 day of October, 2012. Notary Public. State of Wisconsin My Commission 09/18/2010

To: State of Wisconsin

Re: Health Concerns with Wind Turbines .. Stop Construction .. Do a Health Risk Study

Date: October 12, 2012

From: Rose Mathies, Reedsville, WI

I have a real concern if any additional Wind Turbines are constructed in Wisconsin (or anywhere) without a study being done on the health risks for those living amongst the turbines. I used to travel on Highway G and Shirley Road quite often prior to the turbine construction and then after. The more I drove on those roads around the Shirley area the more I noticed pockets where I would get sharp pains within the ear area or sudden headaches. These issues would come and go depending on where I was driving within the Shirley area and whether or not the turbines were running. I would also visit with people that live in that area and would again find areas within the homes or the area around the homes where I would suddenly experience a headache or ear pain/fuzziness/fullness. Once I left those homes the 'symptoms' would go away as quickly as they came on. I do know of several areas that are particularly bad where you can actually 'walk through' these feelings. It is hard to explain but I could point out these particular areas and could 'show' anyone that wanted to 'see' what I mean.

In regards to driving those roads in the Shirley area I can honestly say I only drive through there now if it is absolutely necessary. I don't go to any of the businesses or churches around the turbines unless I need to. I won't bring my children through those areas as I am concerned about their safety. If it affects me and I know how to avoid it, why would I subject my children to it.

Knowing that there are additional areas being considered for more turbines to be built I am concerned for people living, working or going to school in any of the surrounding communities. Why would Wisconsin continue to build structures that can harm people, especially children? You cannot market any materials until all safety tests are passed. I feel very strongly that it should be the same for the turbines. A health safety check MUST be done by impartial parties and only if the turbines truly pass ALL the checks (especially in the area of 'sound that cannot be heard but can be felt) should any be allowed to be put up. Also, with other countries having had these longer than the U.S., I say we learn from them.

I'm putting my voice forward to be heard, Please Wisconsin, let's be smart and protect our people and communities. Stop the Wind Turbine construction NOW and Do a TRUE Health Risks Study Now!

Rosemany

SARA KIPP Notary Public State of Wisconsin

Rose Mathies 10-13-2012

Subscribed and Swarn before the by -this is day of ortober 2012. Swalther - Swalthim Nothery Public, State of Misconsin Brown county

To whom it may concern,

May 1, 2011

I want to record the sensations I experienced while staying at the home located at 6034 Fairview Road, Denmark, WI. I arrived in the evening on April11, 2011. The turbines were turning and the blades were facing the house. I could not hear them. I went into the house and began working - doing some light housekeeping and packing a few things. I did not feel any unusual sensations. After a few hours I realized I was holding onto the handrails as I went up and down the stairs. I was not dizzy but needed to hold onto the rail as I walked up and down the stairs. This was odd to me as I do not use the handrails. I felt unsteady like I might lose my balance. Later that evening I was in the middle of the house, upstairs. I was sitting on the floor trying to fold clothes. My ears felt like they were filling, it was as if I was taking off in a jet. The pressure in my ears made me want to leave the room. I stayed there only 15 minutes and quickly finished what I needed to do.

I slept there that night and did not experience any problems. In the morning the turbines were off and stayed off the entire day except for a very brief (15 minute) period of time. I did not experience any of the sensations of the previous day even though I was in and out of the house all day. I left the house at 4:30 and the turbines were still off. I went back to the house in the evening and slept there again. I did not experience any problems.

In the morning of April 13, 2011 I was preparing to leave. I needed to finish a few things and was in and out of the house for 1 hour. My head felt as if someone was pressing the inside of my forehead and pushing out. My ears felt like they were being pressurized by a jet taking off. I stood outside for 10 minutes and the sensations continued to increase. I started to feel queasy. The turbines were turning and the back of the blades were facing the house. I could hear a sound - swoosh, swoosh, swoosh - as the blades turned. I did not like how I was feeling. I left the house.

Respectfully,

Tina McKinley Juna McKilley October 12, 2012

breen State of Ohio Notary Public

Wendy V. Breen My Commission Expires 2/7/2015