

From: Carol Sidofsky [mailto:fsds@rkymtnhi.com]
Sent: Sunday, February 04, 2018 or Monday, February 05, 2018
To: EACH OF THE 13 REPRESENTATIVES MAKING UP THE TRANSPORTATION & ENERGY COMMITTEE:
Subject: Rep. Paul Lundeen's **Bill HB18-1085** is well meaning, but **needs an amendment**, to recognize and deal with "**Wind Turbine Syndrome**" in El Paso County, CO. Please see below:

This email included **two** pdf "**attachments**":

- 1) Rand Review-Epsilon Sound Study for GoldenWest Wind Project.pdf (1 MB)
- 2) Rand re GoldenWest-Jan 2016.pdf (6 MB)

Dear Representatives Faith Winter, Barbara McLachlan, Jon Becker, Jeff Bridges, Perry Buck, Terri Carver, Daneya Esgar, Joann Ginal, Chris Hansen, Dominique Jackson, Polly Lawrence, Kimmi Lewis, and Dylan Roberts, of the Transportation and Energy Committee,

I am very concerned that Representative Paul Lundeen's well-meaning bill (HB18-1085) *unfortunately* would, if it were to become law, take El Paso County residents and their animals, who live close to huge wind farm turbines, and TURN THEM ALL into "GUINEA PIGS" FOR 2 YEARS (!!), before "so-called" data would be "evaluated" by the Colorado Department of Health, regarding "Wind Turbine Syndrome"!

Making the victims (humans and their animals in El Paso County) into "guinea pigs" any LONGER than they ALREADY HAVE BEEN MADE TO BE, by the Wind Farm Developers, since 2015, is unacceptable to residents in El Paso County, and also to me! The cruel and un-necessary methods of using humans as guinea pigs, has a long and sordid history, in many countries, and sadly, even here in the U.S. (Tuskegee human guinea pigs relating to syphilis, etc.)

A large amount of medical and scientific data is available NOW (see above 2 attachments WITH SUMMARIES BELOW), showing the awful reality (not psycho-somatic at all!) of "WIND TURBINE SYNDROME", in those humans and animals, living close to giant wind turbines, in many places, and that includes El Paso County!

Amendments must be added to the bill--, saying that residents who don't wish to continue being "guinea pigs", have enough MEDICAL & SCIENTIFIC data NOW, to show why wind farms must NEVER be located close to humans and animals, period!

Amendments vital to Bill (HB18-1085) MUST include: (see p. 2):

(1) Move the wind farms--RE-LOCATE THEM to be FAR AWAY (10+ miles away) from human and animal habitations (homes, ranches, etc.), or shut down the close wind turbines, so that no humans and their own animals would ever need to be tortured, harmed, or killed, by being made into LAB ANIMALS in an UN-NECESSARY "2 YEAR" TESTING PERIOD!

(2) "Wind Turbine Syndrome" is known (recognized as fact) all around the earth/world. The evidence of medical harm to humans and animals close to the huge wind turbines is available, NOW. Please USE THE ALREADY KNOWN medical and scientific data, that is AVAILABLE NOW, that local El Paso County residents already have, to add amendment (1) to the bill, as written above:

Summaries of the 2 attachments to this email, include **conclusions of the Scientist, Mr. Robert Rand, an acoustic (sound wave problems) specialist from Boulder, CO:**

"Summary of review: **[of FIRST attachment]**"

"Contrary to the permitting requirement, the Epsilon Report **neglected** to assess noise impacts. County, State, and professional noise impact criteria were **omitted**.

The Epsilon Report **substantiates** that the Golden West **facility noise** exceeds predicted noise levels, and **exceeds County and State noise limits**, while not confirming maximum output for all turbines during testing (**noise levels may go higher than Epsilon measured**). The **Epsilon Report** should **not** be considered **protective of public safety, health and welfare**, and **departs from accepted professional practice**.

Epsilon's noise **measurements clearly confirm why neighbors complain**.

Experience has shown that when there are **noise complaints during normal operation**, this **reveals** that the **designers, consultants and regulators have failed to meet their public protection responsibilities**.

The **Epsilon Report ignores law** and does not assess complaints or impacts. Who benefits?

My professional experience says this facility should not have been permitted with turbines this large and this close to non-participating residential properties.

The Epsilon Report shows the **noise levels do not always comply with law and are consistent with noise disturbance. The law, were it to be enforced, requires the facility noise levels to be reduced.**

Thank you for your consideration of this review letter. If you have any questions, please contact me.

Respectfully Submitted,

Robert"

Robert W. Rand, ASA, INCE
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"Report Date: 29 January 2016" [Report by Robert Rand]

"Independent Infrasonic Investigations: Golden West Wind Facility, El Paso County, CO Page 2"

"1.0 Summary [of SECOND ATTACHMENT]"

"Differential acoustic [SOUND] pressure measurements were acquired and logged at **three homes in the vicinity of the Golden West Wind Facility in El Paso County, Colorado during December 2015 and January 2016.** A week of data was analyzed for each of the three homes and daily spectrograms produced which are attached. Each day's data consisted of approximately 4.3 million differential pressure samples with a week comprised of some 30.5 million samples.

Preliminary investigation **confirmed the presence of recurring acoustic [SOUND] pressure oscillations** at 0.2 to 0.85 Hz (the "blade pass frequency" or BPF) which are associated to the Golden West wind turbine rotations. At times multiple oscillation frequencies were observed, consistent with multiple turbines operating at different rotation rates. Oscillations appeared to be more pronounced when the turbines are more upwind rather than downwind. Neighbors reported they are mostly downwind due to turbine location relative to home location and for the prevailing winds in the region.

Typical BPF total acoustic power were computed for example portions of the differential pressure data sets. Crest factors (the ratio of RMS to peak levels) were also computed for segments dominated by wind turbine rotation and uncontaminated by other noise, with typical crest factors of 13-19 dB. Totalized BPF RMS levels ranged from 56 to 70 dB re 20uPA, with peak levels from 71 to 89 dB. The RMS and peak levels are similar to those found at other sites with **appeals to stop the noise, legal action, and homes abandoned.**

It is understood from neighbors that they have experienced disturbance since the turbines started operating [2015] whereas prior to turbine operation there was no similar disturbance. It is understood that neighbors report improvement when turbines are shut down (not rotating) or when they remove themselves physically away from the Facility a distance of several miles.

El Paso County noise regulations define "Sound" as oscillations in pressure (or other physical parameter) at any frequency, and, **prohibits [BANS/DOESN'T ALLOW] noise disturbance due to acoustic oscillations.**

The analysis is far from complete in that numerous segments of each day at each monitoring location **could** be analyzed and associated to journal entries and/or **medical** data. **The reported association of proximity [CLOSENESS] to the operating**

facility [WIND TURBINES] to disturbance in health and quality of life appears supported by the acoustic data acquired for this preliminary investigation. These preliminary investigations suggest that **there is a condition of noise disturbance due to very low frequency ["INFRA-SOUND"] acoustic pressure oscillations in the vicinity of the Golden West Wind Facility when it is operating,** with more severe impacts downwind."

Sincerely, Carol (**bold & red** print color, & underlining above, are mine)

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From: Carol Sidofsky [mailto:fsds@rkymtnhi.com]

Sent: Tuesday, February 06, 2018 12:11 PM

p. 1 of 3

Subject: Rep. Paul Lundeen's Bill **HB18-1085 well-meaning bill, but needs AMENDING**, (Data already known NOW), to **move Wind Turbines to 10+ miles away, to PREVENT "Wind Turbine Syndrome" in El Paso County, CO.**

Dear Representatives Faith Winter, Barbara McLachlan, Jon Becker, Jeff Bridges, Perry Buck, Terri Carver, Daneya Esgar, Joann Ginal, Chris Hansen, Dominique Jackson, Polly Lawrence, Kimmi Lewis, and her Aide Emma, and Dylan Roberts, making up the Transportation and Energy Committee

Please read the email I sent each of you, early on Monday, Feb. 5, 2018, about **Wind Turbine Syndrome**, that has been shown (data available **now**) to be harming people and harming and killing their animals, when living close to huge wind turbines, in El Paso County, Colorado.

The harmful/dangerous effects of Wind Turbine Syndrome, on close-by humans and animals--validated by scientific and medical studies (see the 2 "attachments" to the email that I sent you Monday)-- began right after the Oct. 2015 start-up of the huge close-in wind turbines!

There is PLENTY of data AVAILABLE right NOW, (See those 2 "attachments" to Monday's email!) validating the families' claims, showing that the bill on Thursday, **HOUSE BILL 18-1085, MUST be amended** to reflect this reality:

In other words, an AMENDMENT to House Bill 18-1085 MUST say something like this: Close down the close-in wind farm turbines that NEVER SHOULD have been built SO CLOSE to humans and their animals, in the first place. Move the turbines to at least 10+ miles away, from people and their animals, TO PREVENT WIND TURBINE SYNDROME.

I URGE YOU ALL, TO **VISIT SOON**, with one of the badly affected (by Wind Turbine Syndrome) families: **Joe & Cindy Cobb, who are at this phone number 719-542-5249, near Calhan**, in El Paso County. An email address for them is tjoec@live.com .

Once you, Representatives, and your Aides, VISIT Joe and Cindy Cobb's home, for just a few minutes, I believe that you will be sensitive enough, to FEEL some of the bad effects of the Wind Turbine Syndrome, for yourselves!

Then, you will understand a little of what the families living very close to huge wind turbines, and their pets and livestock, have suffered with, DAILY, 24/7, 365 DAYS A YEAR! The animals can HEAR "INFRA-SOUND"!

If this had been a situation of lead poisoning in their water, (rather than Wind Turbine Syndrome) caused by some factory, it would be wrong, immoral, (and un-necessary) to make the poisoning by lead continue, un-stopped, for 2 MORE years, in order to have the Health Department "gather & THEN evaluate 'data' ".

You all need to know that a sample contract/agreement (see attachment to this email) between the Wind Turbine company in El Paso County, and close-in residents/property owners, if signed by those property owners, would, in plain English, read something like this:

We, the wind turbine farm, want you, the close-in property owner, to sign our proposed agreement/contract, letting us (the wind turbine farm) do ANYTHING WE WANT TO DO, REGARDLESS OF SIDE EFFECTS THAT WE KNOW A LOT ABOUT, and, your (homeowner's) reward will be an unspecified amount of MONEY, that we will give you, EVERY YEAR (PAYOFF) so you can afford to move away from the Wind Turbine Syndrome location, but, you (homeowner) will be signing a confidentiality clause, so you can't tell anybody what was in our SECRET agreement, or how much HUSH MONEY, we are willing to pay you, to keep quiet!

Some actual wording of the above mentioned "agreement/easements" is the following:

"C. Although Developer is taking commercially reasonable measures to minimize the side-effects of the operation and construction of the Project's Generating Units [Turbines I believe!] and other related facilities [the huge amount of oil in each of the turbines' "basements"?--suspected by some Owners to be contaminating Owners' lands' water supply] on property near or adjacent to the Project, including Owner's Property, and Developer does not expect these side effects to exceed any industry standards regarding sound, shadow flicker or television interference. [Land-]Owner understands and accepts that the operation of Generating Units [WIND TURBINES] may have some impacts on the Project's neighbors, including the Owner's Property."

"D. Developer and Owner believe it is in their mutual best interest to enter into this Agreement to document their expectations as to possible side effects of construction and operation of the Project. Also, although no Generating Units [Wind Turbines] or other related facilities of the Project are planned for installation on Owner's Property, Developer wishes to obtain Effects, Sound and

Shadow Easements from landowners who are neighbors of the Project for the benefit of the Project and as an opportunity to provide Owner with certain economic benefits to accrue from operation of the Project. " [Translation of this appears to be: You (Owner) pat our (Developer) back, with "easements" and "agreement", regardless of known "side effects", and then, we (Developer) will pat your (Owner's) back with "hush money"!]

Below this (see attachment), it says: **"AGREEMENT**

p. 3 of 3

1. Grant of Effects. Sound and Shadow Easements. Owner hereby grants and conveys to Developer the following easements (collectively "The Easements".... [see AGREEMENT for legalese words]...

....audio, noise, sound (audible or otherwise) [below human hearing, the Wind Turbines produce INFRA-SOUND, which, when Wind Turbines are close to humans and animals, raises cortisol hormone levels in both animals and humans to FIVE TIMES NORMAL LEVELS, in El Paso County! documented by doctors and veterinarians: (See link below)--resulting in sickness, suffering and death!], visual, view, light, vibration, air turbulence, wake, electromagnetic and frequency interference...shadows or flicker...."

Thank you, Representatives Faith Winter, Barbara McLachlan, Jon Becker, Jeff Bridges, Perry Buck, Terri Carver, Daneya Esgar, Joann Ginal, Chris Hansen, Dominique Jackson, Polly Lawrence, Kimmi Lewis, and her Aide Emma, and Dylan Roberts, (Transporation & Energy Committee), for caring about restoring health and welfare of *Coloradans and their animals**, who are STILL suffering from Wind Turbine Syndrome, in El Paso County and elsewhere!

*It would be impossible to use the "power of suggestion" on animals, to raise their cortisol levels to *5 times normal (over 100, instead of under 20)*, as is ALSO presently happening to humans, close in to huge wind turbines, due to the "infra-sound" part of Wind Turbine Syndrome! See this link:

https://www.wind-watch.org/news/2018/01/06/wind-turbines-linked-to-increased-cortisol-levels/#.WJmIYcz_kM.email

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