

Mothers Against Wind Turbines Inc.

WLGWAG

West Lincoln Glanbrook
Wind Action Group inc

Request for Municipal Assistance



**MAWT Inc.
WLGWAG Inc.**

Help Us Protect the People of West Lincoln



MAWT Inc. WLGWAG Inc.

- Sister organizations
- Both incorporated, in for the long haul
- What we've recently done:
 - Both have completed ERTs
 - Both raised over \$80,000 for legal expenses
 - Both reaching out to educate the community
- Where we are going:
 - Support for Constitutional Challenge
 - Working on process issues with Ombudsman, JR
 - Landowner rights: potential suits
 - Bringing information to and consulting Boards of Health



Partial List of Challenges

- Larger IWT = Greater % of Emissions We Can't Hear (Relating people's issues to IWTs is not obvious)
- GEA shifted burden of proof to ordinary people and from "*May cause*" to "*Will Cause Serious*"
- Projects Imposed without consent
- > 40 homes abandoned in Ontario due to IWTs
- Public is not alerted to / aware of Health Impacts from IWT contaminants



Why do we oppose?

- People worldwide living near large Wind Turbines repeatedly report the same serious health issues
1-Sleep Disturbance 2-Headache 3-Tinnitus
4-Ear Pressure 5-Dizziness 6-Vertigo 7-Nausea
8-Visual Blurring 9-Heart/Circulatory 10-Irritability
11-Difficulty Concentrating & Memory Loss
- Overwhelming majority never had such issues prior to living near large Wind Turbines
- In all, their symptoms disappeared after several days away from home and re-appeared when back



Personal experiences

- Over 7 months with HAF Turbines 4.7km from us, we have suffered 9 of the 11 health impacts
- I had not suffered any of these prior to HAF
- We can hear/feel a noise/vibration from HAF many nights in our home, led over time to the health issues
- Reported regularly to MoE and VPC over 6 months and have not received any meaningful response
- NRWC is much larger
- Other people in WL – Can't see, hear, feel or smell...
- Issue is similar to the coming of PCBs to Smithville
- Will IWT vibration enable them to escape?



2015 Legal Proceedings

- NRWC Judicial Review (JR)
- Constitutional Charter Challenge:
 - Long Term: Likely to Supreme Court of Canada
 - 1. Ontario Court of Appeal
 - 2. Superior Court
 - 3. Supreme Court
 - 4. Ontario Court: Bring it back to the HAF & NRWC PJs



2015 Program Items

- Community Outreach & Support;
 - Indicative sound monitoring equipment & consulting
 - Bring results to township and/or other experts
 - Continued monitoring of developments and scientific reports;
 - Bill Palmer - ILFN inside home higher levels than outside
 - Steven Cooper – Used Narrow-band analysis to discover the IWT noise signature which people knew existed, but evaded other professionals
 - ...



Foreseeable Costs 2015

- \$30k Charter Challenge (Both groups, 2015)
- \$50k NRWC JR
- \$20k Community Outreach & Support
- More FIT Contracts soon to be released – we need to address the issues now
- If the J.R. Is successful, NRWC will appeal



Can West Lincoln Help?

- Roughly 15,000 people in West Lincoln
- < \$7 pp will help WLGWAG Inc & MAWT Inc. through 2015
- Some Precedents:
 - Lambton Municipal Government;
 - » Set aside \$60,000 to help with Charter Challenge
 - » Set aside another \$20,000 to appeal (Feb 15)
 - » Municipality to continue as an intervener (Feb 15)
 - Plympton-Wyoming Noise By-Law to help protect people
 - Bluewater Municipal Government;
 - » Set aside \$20,000 to help with Charter Challenge
 - » Joined 20 municipality coalition to create municipal noise by-law



Thank You

- The community which acts together wins together
- The more people who support proceedings, the less it costs for each person
- We are asking for financial support to benefit the efforts of and for the communities of West Lincoln to protect the health and security of all
- Following slides for offline review



Science (1 of 4)

- NASA (1990) *“Evaluating the effect of receivers’ exposure to noise at various locations involves determining (A) people’s responses to direct acoustic radiation as well as (B) the acoustic and vibrational environments inside buildings.”*
- Neither the MoE nor VPC nor NRWC have considered the Homes’ material rigidity, nor the room layouts nor our responses to direct acoustic radiation
- Thus neither the MoE nor VPC nor NRWC have a complete idea of
 - (A) What they are subjecting people to or
 - (B) How people will react to it
- Despite this, Ontario moves full steam ahead



Science (2 of 4)

- The Shirley Wind Study (2012)
 - *“The four investigating firms are of the opinion that enough evidence and hypothesis have been given herein to classify LFN and infrasound as a serious issue, possibly affecting the future of the industry. It should be addressed beyond the present practice of showing that wind turbine levels are magnitudes below the threshold of hearing at low frequencies.”*
- Yet the MoE continues to process measurements with A-weighting, which severely attenuates/discards Infrasound and Low Frequency Sound with rationale based on results of a 2010 Google Search
- Ontario is ignoring critical lessons learned



Science (3 of 4)

- Palmer 2014 – Abandoned Homes Help Understand Wind Turbine Annoyance;
 - *“In rooms where annoyance was felt, the frequencies flagged by room mode calculations and the low frequency spikes observed from wind turbine measurements coincided.”*
 - *“To protect the public, regulations need to consider low frequency conditions inside the home, not just A-weighted sound outside as they do now.”*
 - This practical measurement exercise corroborates the reports of people worldwide, including West Lincoln and the 1990 NASA study
- Yet the MoE continues to use A-Weighting, which severely attenuates/discards Infrasound and Low Frequency Sound with rationale based on results of a 2010 Google Search
- Yet the MoE doesn't model or measure inside homes



Science (4 of 4)

- Cooper 2015
 - *“...an acoustic investigation along the lines of full spectrum measurements inside and outside dwellings (not just restricted to dB(A) measurements external to residential properties)”*
 - *“The study found that the diarized resident’s observations identified “sensation” as the major form of disturbance from the wind farm”*
 - *“A significant sensation disturbance was found to be occurring when the turbines were seeking to start up, when there was an apparent change in the power output of the wind farm in the order of 20% ... And the situation when the wind turbine has reached maximum power...”*
 - *“The use of dB(A) noise levels external to a dwelling did not correlate with internal noise levels or impacts that residents identified...”*
 - *“Sensation includes headache, pressure in the head, ears or chest, ringing in the ears, heart racing, or a sensation of heaviness*
- The MoE’s methods include those IDed as mistakes here



Worldwide Anti-Wind Groups

- Please have a look at this partial list of organizations created by regular people living near projects out of concern for well-being (Over 2,000 groups exist!)
 - It is still early – mankind has much to learn
- <http://quixoteslaststand.com/worldwide-anti-wind-groups/>