

Irwin, Steven

From: PUCO ContactOPSB
Sent: Thursday, February 20, 2014 2:06 PM
To: pmartin45601@yahoo.com
Cc: PUCO ContactOPSB
Subject: RE: OPSB-ContactUs

Mr. Martin,

Thank you for contacting the Ohio Power Siting Board (OPSB) regarding AEP's proposed Biers Run – Hopetown – Delano Transmission Line (OPSB Case No. 13-0429-EL-BTX).

It is noted that you are in favor of the Alternate Route.

The OPSB website includes a map of the proposed Preferred and Alternate routes:
<http://www.opsb.ohio.gov/opsb/index.cfm/siting-case-breakdown/preapplication/13-0429-el-btx-biers-run-hopetown-delano-transmission-line-project/> . Please note that this interactive map was developed using data provided by the applicant, to help the public visualize what has been proposed for Board consideration. This map does not constitute an official accepted route/site acceptance, nor does it imply Board approval.

If you have any further question, please do not hesitate to contact me,

Thanks,

Steve

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 2014 FEB 20 PM 2:54
 PUCO

 Steve Irwin
 Public Outreach Coordinator
 Ohio Power Siting Board
 614.466.2871
OPSB.ohio.gov



-----Original Message-----

From: OPSB-ContactUs [mailto:webmaster@puc.state.oh.us]
Sent: Thursday, February 20, 2014 11:08 AM
To: PUCO ContactOPSB
Subject: OPSB-ContactUs

This form was sent at: Feb 20, 2014 11:08 AM

CONTACT_REASON: Comment
TITLE: Mr.
FIRST_NAME: Paul
LAST_NAME: Martin
EMAIL: pmartin45601@yahoo.com

This is to certify that the images appearing are an accurate and complete reproduction of a case file document delivered in the regular course of business.
 Technician 1 SM Date Processed: FEB 20 2014

PHONE_NUMBER:

ALTERNATIVE_PHONE_NUMBER:

STREET_ADDRESS1:

STREET_ADDRESS2:

CITY:

STATE: OH

ZIP:

COUNTY: Not Selected

COUNTRY: USA

COMPANY_NAME: AEP

CASE_NUMBER: 13-0429-EL-ETX Biers Run-Hopetown-Delano Transmiss

COMMENTS: Regarding case number 13-0429-EL-ETX Biers Run-Hopetown-Delano Transmission Line Project, I am writing to voice my opposition to AEP's preferred route (blue route).

While I absolutely side with the area farmers opposition and researchers concerned with the archeological impact, let me address my personal concerns.

First and foremost are the health issues of living near transmission power lines. Yes, some research concludes low statistical impact and some more – some less. Please consider this list of studies taken from www.emf-wise.com:

Health Risks of Power Lines

There are a number of studies, both at the cellular level, and at the epidemiological level, showing potential harm from AC magnetic field exposure.

"We know from studies done at the Cancer Therapy & Research Center in San Antonio, Texas, that our body's defenses are weaker after exposure to EMFs. Human cancer cells grow twenty-four times faster than cells that haven't been exposed to EMFs and show "greatly increased resistance to destruction by the cells of the body's defense system." (Anne Louise Gittleman, Zapped, 44) Cellular Studies and Suggested Mechanisms

DNA Strand Breaks and Genotoxic Effects: Svedentstal et al (1999), Lai and Singh (2004), EU-sponsored REFLEX project Cellular stress response found by Martin Blank. Power frequency EMF may induce heat shock protein 70 synthesis in mammalian cells.

Calcium efflux: Power line EMFs, like microwaves, may cause calcium efflux from brain tissue which could affect neurotransmitters. ELF's can interact with calcium channel proteins in the cell membrane.

Prolonged life of free radicals may be caused by delaying recombination.

Reduction of melatonin, which is an important free radical scavenger and cancer fighter. See Liburdy et al. 1993, Reiter and Robinson 1995, and Wilson et al. 1990, referenced in Biological Effects of Low Frequency

Epidemiological and Human Case Studies

Childhood Cancer: In the 1970s, epidemiologist Nancy Wertheimer detected increased childhood leukemia in children near electric power lines. This was later replicated by Dr. David Savitz. Epidemiology studies suggest link to childhood leukemia at and over 3-4 mG. Even 1mG chronic exposure can increase cancer risk for children. This may especially affect children with genetic DNA repair problems. For more information, see Ahlbom et al (2000), Greenland et al (2000), and Michael Kundi's review.

Schuz et al showed that risk for leukemia increased with the higher magnetic fields, when comparing (a) <1 mG, (b) 1-<2mG, (c) 2-<4mG, and (d) >4 mG. Furthermore, the risk for children was much greater than for all ages. A helpful introduction to the epidemiology by Magda Havas shows the significance of the dose in the risk for leukemia.

Alzheimer's: A Swiss study showed that people living within 50 meters of a high-voltage power line had increased risk of Alzheimer's over time. See Microwave News. The Journal of Occupational and Environmental Medicine reported in 2013 that occupational exposure to magnetic fields may be associated with moderately increased risk of neurodegenerative diseases such as Alzheimer's and amyotrophic lateral sclerosis.

IARC type 2B carcinogens (potentially carcinogenic). The National Institute of Environmental Health Sciences (NIEHS) panel of 30 scientists voted 19-8 to identify EMF (Power frequency electromagnetic fields, e.g. 50/60Hz) as type 2B carcinogens, the same category that lead (as well as coffee) is in. Dr. Marron says, "Now the public will know what the members of the EMF research community have known for years" and yet a lot of the public still doesn't know.

"...a hospital in San Diego, California, found that 14 out of 18 autistic children had lesions in the brain identical to those in rats exposed to EMFs between one and six days after birth." -- (Alasdair & Jean Philips, The Powerwatch Handbook, 178)

Infertility and Miscarriages: De-Kun Li found men exposed to over 1.6mG for over six hours a day were four times more likely to have substandard sperm and women exposed to over 16mG had higher rates of miscarriages. Li found a strong link between vacuum cleaner usage and increased risk of miscarriage. (The Powerwatch Handbook, 174). Chick embryonic development is affected as low as 1 mG at 100 Hz (Dr. Delgado in Levitt, 163).

Depression: Several studies have looked at the potential association between electromagnetic fields and depression (Poole et al. 1993 and DeMatteo 1986, Wilson 1988.) One potential mechanism proposed has been related to disrupted melatonin secretion. Biological Effects of Low Frequency, p.219.

Asthma: Maternal exposure during pregnancy may increase risk of asthma of offspring, with rates of asthma increasing with the magnetic field. (De-Kun Li et al, 2011)

Attracting Toxic Gases: Electricity pylon towers might also attract certain toxic gases, such that living within the air current of one of them may not be such a good idea, either.

Dirty electricity: High frequency currents on power lines may cause Brittle Diabetes (PMID 18568931) or affect people with Multiple Sclerosis.

If even one of my family, neighbors, or students at Unioto School is affected then that is significant to me regardless of statistics. We don't want to be history's guinea pig. When I bought our house here in Golfview Estate one of the factors was its distance from power lines and the fact that all nearby drops were underground. Our previous residence had power lines through the middle of the property and I wanted away from that for several reasons.

Next is the impact on property values. Some of the studies I found and I'm sure you have seen before (regarding new power lines) show losses of up to 10% in property values for up to 10 years depending on distance and area. A local realtor stated up to 20% for our area. It also takes 2 to 3 times the norm to sell a property according to reports in The Appraisal Journal. Is AEP going to reimburse us for loss of property value? NO!

Last, as a licensed radio amateur I have experienced how power lines can cause radio noise that can make many frequencies unusable (especially shortwave). This also relates to why I chose this area to live.

I realize these lines have to go somewhere and everyone has issues important to them. Please consider that the alternate route will affect the fewest people and I hope there can be additional modifications to that route to even lessen that impact.

Respectfully,
Paul Martin