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OPEN MEETING AGENDA ITEM

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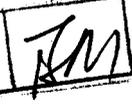
June 26, 2013

1200 West Washington Street

Phoenix, Arizona 85007

Arizona Corporation Commission
DOCKETED

JUN 28 2013

DOCKETED BY 

Dear Commissioners:

Dr. Joseph M. Mercola, DO, Board Certified, became an osteopathic physician through the Chicago College of Osteopathic Medicine and is a fellow in the American College of Nutrition. In this short comment with references Dr. Mercola touches on the basic mechanisms at the cellular level, within cells and among cells. These interest me as the foundation of health or disease.

A quote he uses from an MSNBC article suggests that my body's signaling mechanisms (which are subtle) could be overlapped and basically coupled to an outside electric field. The author uses the word, 'transients.' The meaning for 'transients' included in the quote is 'electrosmog'. In smart meters, as I understand it, the sudden short change of state from not-sending-to-sending-to-the-network-to-not-sending may include a brief switch between AC and DC. 'Transients' in electrical parlance signify various types of state change. When 'transients' occur, a field is instantly created. It is not identical to the magnetic field that comes from steady state electrical transmission. Electronics must be set up to be protected from 'transients.'

Connecting the dots: 'Transients' happen *often* in smart meters. The field that they produce can be called 'electrosmog.' Electrosmog overlaps or otherwise interferes with my body's signaling mechanisms *often*. As the quote asks, what could that cause physically?

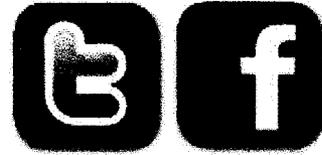
Thank you for seeking additional information on the possibility of health impacts of smart meters.

Sincerely,



Helen S Pierce

Dr. Mercola's Comments:



New scientific evidence is continually emerging that nearly all the twentieth century human plagues can be tied to some aspect of our use of electricity, including:

- Acute lymphoblastic leukemia in children
- Brain tumors
- Malignant melanoma
- Asthma
- Cardiovascular disease
- Immune system dysfunction
- Hormone disturbance
- Brittle diabetes
- Sleep disorders, headaches, Alzheimer's disease and ADHD

And this is just a partial list.

EMFs and Your DNA

Cells in your body can react to EMFs as a harmful invader, just like they do to other environmental toxins.

Remember that you are *an electrical being*.

Your body is a complex communication device where cells "talk", tissues "talk," organs "talk," and organisms "talk[1]." At each of these levels, the communication includes finely tuned bio-electrical transmitters and receivers, which are tuned like tuning into a radio station. What happens when you expose a radio antenna to a significant amount of external noise? You get static from the noise – and that is what is happening to your body in today's electrosmog environment.

Two of the more well-known biologicals impacts from electrosmog are the interruption of the brain wave pattern[2] leading to behavior issues[3] and the interference to your body's entire communication system (cytoskeleton)[4] leading to abnormal neurological function, such as dementia, chronic fatigue syndrome, and fibromyalgia.

At a cellular level, your cell membrane receptors (the brain of the cell) recognize

electromagnetic fields at very low levels of exposure producing a stress response similar to that produced by exposure to heavy metals or toxic chemicals.[5]

This can cause the cell membrane to go from an "active" or permeable state where it allows nutrients in and toxins out, to an "inactive" state where the cell membrane is impermeable. During a normal day, your cells will change states thousands of time, but when under constant environmental stress, the membranes can be locked in the inactive state. This is often referred to as "oxidative stress" as nutrients are able to enter into the cell, while toxins (free radicals) are not allowed to leave.

There is also real evidence that this inactive state can even have geno-toxic effects, meaning electrosmog is toxic by both damaging DNA and preventing your body from repairing DNA, which can be the first step to cancer.

We are not really sure what the "trigger" is that causes health problems, but we know that the electrosmog is definitely a contributing factor. For health, your body must be able to communicate within itself, that is, to be in harmony with the natural rhythm of the earth and all life.

The chaotic and unpredictable patterns from electrosmog can create noise in your body and force your body out of harmony. These damaging biological effects have been found at levels far below the so-called industrial and governmental safety limits—1,000,000 times lower than those limits, in some cases.

Why do things such as MTT, acupuncture, TENS units, pacemakers, and many other bioelectrical treatments work? Most likely a major reason why they work is because they focus on getting your body back into its natural rhythm or resonance. Just as you breathe in oxygen from an atmosphere you can't see, your cells are suspended in a sea of vibrational energy that you can't see or feel—that is, until it makes you sick.

As the MSNBC article states:

"Remember, these positive-negative shifts are occurring many thousands of times per second, so the electrons in your body are oscillating to that tune. Your body becomes charged up because you're basically coupled to the transient's electric field."

Keep in mind that all the cells in your body, whether islets in the pancreas awaiting a signal to manufacture insulin or white blood cells speeding to the site of an injury, use electricity—or "electron change"—to communicate with each other.

By overlapping the body's signaling mechanisms, could transients [electrosmog] interfere with the secretion of insulin, drown out the call-and-response of the immune system, and cause other physical havoc?"

Yes, absolutely.

And the really frightening aspect about electrosmog is how little control you have over it.

For additional EMF information, please see EMF.mercola.com for the latest news and updates.

Be a Live Wire for Change

The last thing that you can do, and perhaps the most important, is to help spread awareness about this ever-increasing problem.

If you believe that one or more transmitting products is making you ill, please report it/them to the following agencies (be prepared with the manufacturer, model and/or serial number, and a list of your symptoms):

1. FDA 1-800-FDA-1088 The same FDA program that regulates medical devices also regulates consumer products that emit radiation.
2. Consumer Product Safety Commission 1-800-638-2772
3. EMR Policy Institute

It's unfortunate, but the government is not likely to step up and do the right thing to protect your health without a lot of pressure from the public.

Power companies have successfully beaten back attempts to modify exposure standards. The cell phone industry, which has funded at least 87% of the research on the subject, has effectively resisted regulation.

Please get involved at any level you can, to help increase the pressure on industry and industry regulators, which is the only way to create a safer future for everyone.

[1] Oschman, James L. Energy Medicine: The Scientific Basis. Churchill Livingstone, 2006. P. 189.

[2] Oschman, James L. Energy Medicine: The Scientific Basis. Churchill Livingstone, 2006. P. 96

[3] Becker, Robert. MD. Cross Current. Penguin Group. 1990. P. 215.

[4] Oschman, James L. Energy Medicine: The Scientific Basis. Churchill Livingstone, 2006. P. 131.

[5] Lipton, Bruce, PhD. "The Biology of Belief." Mountain of Love/Elite Books, Santa Rosa, CA. 2005. P. 83