

Sitting on the beach, being in nature, riding my bike, going to see a movie, shopping downtown, meeting friends in cafés and browsing in the library were simple things that I used to enjoy but can no longer comfortably do. Far from making the city more user-friendly, you have turned it into a death trap for those who are sensitive to electromagnetic fields (EMFs). In my neighbourhood alone, I know of several other people suffering from EHS—one of them virtually housebound.

Nowhere safe to go, and no safe way to get there

With Wi-Fi now in taxis, in car-sharing coops and on buses, trains, ferries and most commercial airlines, there is not one single form of public transport that those with EHS can safely use. (More accurately, there is not one single form of public transport that anyone with red blood cells and a central nervous system can safely use.) They cannot travel, visit family, go on holiday or even get out of the irradiated city that's making them ill ...without getting even more ill. With nowhere safe to go and no safe way of getting there, those with EHS have effectively been stranded, abandoned and immobilized by the municipal, provincial and federal governments.

Those with EHS are the unwelcome biological indicators of just how unhealthy and unsustainable our radiation-riddled lives have become.

There's a reason that those with EHS go largely unheard, beyond the fact that most are too incapacitated or depleted to fight the status quo. We're the 'canaries in the coal mine'—the harbingers of what's to come—and nobody wants to be bothered by facts that would burst their electronic bubble.

Does this ring a Bell? It Shaw does. Telus more!

Given the vast body of scientific evidence of the harm caused by Wi-Fi and other forms of EMR, it is clear that you, the government and service-providers such as BC Hydro, Telus, Shaw and Bell have **failed utterly in your responsibility to acknowledge the dangers and take the appropriate measures to protect our well-being.**

I'm not sure which is more reprehensible—denying that there is any danger, when you know otherwise, or failing to inform yourself by doing the proper research. Relying on the misleading and inaccurate information promoted by the service-providers is unacceptable, particularly in an elected city mayor whose campaign promise included “protecting human health”.

You are, in fact, promoting harm. Many young mothers carry their baby—and their cell phone—in a body sling. There's a whole generation of babies being exposed to dangerously high levels of radiation from cell phones that are not even an inch away from their tiny bodies. If this radiation harms mature adults (and we *know* it does), what's it doing to these fragile infants?

“[Health Canada is] either giving you partial information or giving you misinformation [regarding whether Wi-Fi radiation is safe for children]. Because there is scientific consensus that microwaves [used for Wi-Fi] cause biological effects. [...] And there is no evidence whatsoever that it is safe for children.”

—Dr Zory Glaser (PhD), formerly head of the US Navy Microwave Laboratory and FDA advisor, serving on the Technical Electronic Product Radiation Safety Standards Committee

Evidence of harmful effects: quick facts*

- There is now **10 billion times more radiation** in our environment than there was in the 1960s.
- If current trends continue, **50% of the population** in Austria, California, England, Ireland, Germany and Sweden will be feeling the effects of electromagnetic radiation by 2017. Canada will be no different.
- Swisscom, the Swiss telecommunications company, says non-thermal wireless radiation **“has a genotoxic effect”**, causing **“clear damage to hereditary material [DNA]”** and an **“increased cancer risk”**.
- **EMR adversely affects the blood cells of ALL individuals**, whether they feel the effects or not.
- **EMR damages cell membranes**, causing them to **leak calcium** and create many health issues, such as **altered brain function, autism, infertility, EHS, hypocalcaemia, DNA damage, thyroid problems, osteoporosis, endocrine imbalances, early dementia, asthma, neurological disorders and multiple chemical sensitivities**.
- **Autism in children is doubling every five years**, paralleling the rise of EMR, and there is now a **1-in-50 chance** of a child developing or being born with autism in North America.
- **Almost every grade in every elementary school** in North America has **at least one child with autism**—a disorder that was nearly unheard of a generation ago (<http://usat.ly/NZXMIi>).
- Electromagnetic radiation **breaks down the all-important blood–brain barrier**, causing the death of neurons, which can result in **early dementia** and **Alzheimer’s disease**.
- Just 5 minutes of Wi-Fi exposure can cause **cell mutation, oxidation and rouleaux**—all of which are associated with **illness and disease**.
- The average cumulative whole-body exposure from a Smart meter at 3 feet is about 100 times more than that from a cell phone (see <https://goo.gl/Po9e6K>, at minute 2.17).

** See elsewhere in this document for references to the studies/data confirming these facts.*

Even if I were ignorant of the damaging impact of radiation, my body registers the physical effects whenever I'm near a Wi-Fi or cell phone signal. Since purchasing a meter that detects radio-frequency (RF) and other forms of harmful radiation, I've finally made the causal connection between Wi-Fi radiation and my symptoms—the headaches, tension, neurological issues, electrical 'zapping', premature aging, high oxidative stress, insomnia and fatigue I've been experiencing for years. These are the classic bio-markers/symptoms of EHS, recognized by medical experts and researchers worldwide.

Instantly penetrating cement, metal, plastic, clothing, cars, bone, muscles, tissue and skin, electromagnetic radiation affects us all within minutes.

Electromagnetic hypersensitivity appears in two stages, explains French oncologist Dr Dominique Belpomme. "The first phase is induced by exposure to a specific EMF frequency—either an acute or chronic exposure, such as talking on a cell phone 20 minutes every day. The first signs of hypersensitivity [due to cell phone use] are pain and a heat sensation in the ear. In the second phase, the disease sets in. That's when you become intolerant at all frequencies."

Once upon a time...

...the Earth was flat. Smoking was good for you. Thalidomide was great for morning sickness. Asbestos made for excellent insulation. Nuclear power was the way to go. GMO crops were a godsend to farmers everywhere. And hydrogenated oils were a cost-effective choice. Now, we have Wi-Fi and mobile networks, connecting us with everyone, everywhere, every second of every day... and creating a pervasive, virtually inescapable, unprecedented, unchecked, uncontrolled and rapidly escalating proliferation of radiation in our environment. But don't worry; the Mayor of Vancouver says it's safe!²

Like so many of those unfounded claims, Wi-Fi is now being promoted as a safe and beneficial technology in industry-sponsored studies and PR. Consequently, the media have featured many misleading, inaccurate and incomplete reports about Wi-Fi radiation, claiming that there is *no apparent causal relationship* and that there is *zero evidence* supporting the experiences of those with EHS.³ Such claims merely reveal the reporters' ignorance of the latest research—and perhaps their own addictive love affair with their iPhone. Some have claimed that reactions to electromagnetic radiation are *psychosomatic*, which is an insult to the countless individuals who had no idea that EMR was causing their illness and only discovered the very clear 'causal relationship' after years of research, functional impairment, huge expense and misdiagnosis.

Nonetheless, such theories are likely to be hugely reassuring to those who are unaware of the FACTS.

² See <http://bit.ly/1svnHmQ> for a small sample of the compelling evidence to the contrary.

³ See, for example, <http://bit.ly/1RNGwe0>.

Scientific fact versus political spin and misinformation

SPIN: Non-ionizing Wi-Fi radiation does not generate enough heat to do damage and, therefore, this non-thermal form of radiation is not harmful to humans.

FACT: Scientific studies—and the telecommunications industry itself—confirm that non-thermal radiation is harmful to the human body.⁴

- “Weak non-ionizing electromagnetic radiation in the environment can be linked to more ‘modern illnesses’ than even the pessimists thought possible,” says Dr Andrew Goldsworthy. “Modern science can now begin to explain how.” (For details, see: <http://bit.ly/1taEDi3>.)
- The American Academy of Environmental Medicine reports that: “epidemiological studies demonstrate that **significant harmful biological effects** occur from non-thermal RF exposure” (<http://bit.ly/24XtlpS>).
- A **Swisscom patent** application clearly states that **non-thermal wireless radiation “has a genotoxic effect ... elicited via a non-thermal pathway”** and that “when human blood cells are irradiated with electromagnetic fields, clear **damage to hereditary material [DNA]** has been demonstrated [with] indications of an **increased cancer risk.**” The international patent (<http://bit.ly/1OQbG4V>), filed in 2003, was for technology to reduce the ‘electrosmog’ from wireless local networks, intended to reduce the cancer risks associated with non-thermal exposure to microwave radiation. (For more details, see: <http://bit.ly/1BCVa0W>.)
- A **British epidemiological study (confirmed by Swedish, Japanese and Italian findings)** shows an association between long-term use of a cell phone and **acoustic neuromas** (<http://microwavenews.com/uk-study-points-acoustic-neuroma>). Although acoustic neuromas (which grow on the eighth cranial/auditory nerve) are ‘benign,’ they can still kill you.

A \$25m study by the National Toxicology Program of the NIH found that cell phone radio frequency radiation caused two types of tumours: glioma and schwannoma [acoustic neuromas].

<http://goo.gl/eN6hKo>

⁴ Dr Andrew Goldsworthy has produced compelling, comprehensive accounts of the multiple effects of EMFs, referencing over 70 scientific studies, the dangers of electromagnetic smog, and why the body is affected the way it is (see <http://bit.ly/1PIASJZ>; <http://bit.ly/28ltGL9>; and <http://bit.ly/1taEDi3>).

SPIN: Extremely low frequency (ELF) radiation has no significant health effects.

FACT: The electromagnetic fields that are most harmful to humans are those in the ELF range and also the radio frequencies that are pulsed or amplitude-modulated by ELF (see <http://bit.ly/1PLASJZ> for following three points).

- ELF radiation has been scientifically proven to **damage cell membranes**, causing them to leak calcium and create many health issues, such as **altered brain function, autism, infertility, EHS, hypocalcaemia, DNA damage, early dementia, asthma and multiple chemical sensitivities**.
- Electromagnetic radiation can break the **all-important blood-brain barrier**, causing the death of neurons, which can result in **early dementia and Alzheimer's disease**.
- Gland cells are particularly sensitive to radiation, which can **damage the thyroid and endocrine system, disrupting the metabolism**. Even short-term exposure to radiation from a cell phone tower was shown to **increase cortisol levels**, with long-term exposure resulting in **permanently elevated adrenaline**.
- EMFs disrupt the production of melatonin, the body's only antioxidant, resulting in high levels of damaging **free radicals/oxidative stress and accelerated aging**.⁵
- Inward calcium leakage in the neurons of the brain stimulates hyperactivity and makes the brain less able to concentrate on tasks, resulting in **attention deficit hyperactivity disorder (ADHD)**.⁶

“International exposure guidelines for electromagnetic fields must be strengthened to reflect the reality of their impact on our bodies, especially on our DNA. The time to deal with the harmful biological and health effects is long overdue. We must reduce exposure by establishing more protective guidelines” (see Appendix 1).

⁵ Henshaw, DL and Reiter, RJ (2005). Do magnetic fields cause increased risk of childhood leukemia via melatonin disruption? Bioelectromagnetics Supplement 7: S86-S97.

⁶ Beason and Semm, 2002; Krey and Dolmetsch, 2007, Volkow et al, 2011.

SPIN: There is no demonstrable medical proof of harm being caused by Wi-Fi or Smart meters.

FACT: The damaging effects of RF radiation from cell phones, Wi-Fi and Smart meters can now be medically demonstrated.

- The damage done to red blood cells from brief exposure to RF radiation can be seen via live-blood-cell (dark-field microscopy) analysis, which reveals cell mutation, **oxidation and rouleaux** (aggregation of red blood cells) (<https://youtu.be/y4JDEspdx58>).
- Just 5 minutes of exposure to Wi-Fi radiation results in cellular damage associated with **pathological processes** (see: <https://vimeo.com/100623585>, at minute 4.48).
- According to the *BioInitiative Report*,⁷ bioeffects occur within minutes and at very low levels of exposure to EMFs and RF radiation—similar to those from cell and cordless phone use, as well as exposure to mobile phone masts (cell towers), Wi-Fi and wireless utility Smart meters that produce whole-body exposure. Chronic base-station-level exposures have also been shown to result in illness (<http://bit.ly/1Xn4ZIV>).

“WHO continues to ignore its own agency’s recommendations and favours guidelines recommended by the International Commission on Non-Ionizing Radiation Protection (ICNIRP). These guidelines, developed by a self-selected group of industry insiders, have long been criticized as non-protective” (see Appendix 1).

⁷ The 2012 *BioInitiative Report* was prepared by 29 authors (including 10 MDs, 21 PhDs, 3 MsCs, MAs or MPHs) from 10 countries (Austria, Canada, Denmark, Greece, India, Italy, Russia, the Slovak Republic, Sweden and the USA). Among the authors is the Chair of the Russian National Committee on Non-Ionizing Radiation, and a Senior Advisor to the European Environmental Agency.

SPIN: Only vulnerable, hypersensitive or weak individuals are affected.

FACT: The damaging effects of EMR have been medically proven to occur in every human body.

- Dr Erica Mallery-Blythe, a former A&E doctor now specializing in EHS, says these **effects occur even in those not experiencing symptoms**, and many of us may be electro-hypersensitive and not realize it. “Everybody has the potential to become electro-hypersensitive [since] **every cell in our body, in our brain or nervous system is dependent on electrical signals**” (<http://www.dailymail.co.uk/femail/article-2331369>).
- Countless other doctors (such as Dr Dietrich Klinghardt⁸ and Dr Andrew Goldsworthy) confirm that **EMR affects the blood cells of all individuals**, ultimately damaging their nervous systems, brains, reproductive organs and physical health.

MYTH #5: The supposed effects of EMR are intangible and cannot be objectively measured.

FACT: Medical doctors and researchers have identified biomarkers of EMF intolerance—biological indicators of EMR damage, found in everyone suffering from EMF sensitivity, as well as in those who had no idea that such a thing existed or that it could be making them ill.

- Exposure has been found to have a **damaging impact on melatonin, serotonin, dopamine, adrenaline, cortisol, testosterone, progesterone, T3 and T4 thyroid hormones and plasma ACTH** (which regulates cortisol) (<http://bit.ly/1rXJUcC> and <http://www.magdahavas.com/>), among many others (see diagram on the main physical effects).
- Dr Dietrich Klinghardt⁹ tests for particular biomarkers in those affected by EMF pollution: an **increase in inflammation markers** (TGF-Beta 1, MMP-9 and copper, which shows chronic inflammation, **hormone abnormalization and neurotransmitter abnormalization**) (<http://bit.ly/1Sc8I8G>).
- Other medical tests for detecting EMF effects include live-blood-cell analysis, brain and nervous system analysis, and cardiac analysis (<https://www.emfanalysis.com/ehs-biomarkers/>).

⁸ Dr Dietrich Klinghardt, MD, PhD, is Founder of the Klinghardt Academy (USA), the American Academy of Neural Therapy, Medical Director of the Institute of Neurobiology, and lead clinician at the Sophia Health Institute (Washington State). He is also Founder and Chairman of the Institute for Neurobiology (in Germany & Switzerland). See <https://youtu.be/PktaaxPI7RI> and <http://www.klinghardtacademy.com/>

⁹ See <https://youtu.be/PktaaxPI7RI> and <http://www.klinghardtacademy.com/>.

SPIN: When those with EHS were asked to detect the presence of cell phone radiation, from behind a curtain or closed door, they often couldn't tell when the radiation was present, or they reacted even though the cell phone hadn't been switched on—which proves that it's all in their heads.

FACT: This approach has since been invalidated, for several reasons. Many individuals with EHS can physically feel RF radiation, although they often don't know that that's what they're feeling. Even those who feel nothing, however, are still being affected at the cellular level.

- Most people feel nothing, since the effect occurs at the cellular level, beyond their conscious awareness. Only in those with sensitized nervous systems, or those for whom the strength/duration of exposure has created physical symptoms, will the effects be felt.
- To claim that people react physically to the mere suggestion of EMF exposure merely reveals an **ignorance**—not just of **how EMFs affect the human body at the cellular level**, but of human nature itself. If you have a fear of spiders, heights or small spaces, and you're told that you might be given a tarantula, placed on a cliff or locked in a closet, you would instinctively experience anxiety, sweating and other physiological stress responses, whether those threats materialized or not. Yet the danger posed by EMR is very real and a fear of it is well founded.
- As Dr Mallery-Blythe points out: “Electromagnetic hypersensitivity is a **physiological issue, not a psychological one** [and] it can be seen as either a sickness or a super-sense, depending on the environment of the individual, although it is essentially both” (<https://vimeo.com/100623585>).
- French oncologist Dr Dominique Belpomme concurs: “**We know with certainty that electromagnetic hypersensitivity is not psychosomatic.**”

If you don't feel the effects, you won't care.

If you don't care, you won't look.

If you don't look, you won't see.

If you don't see, you won't believe.

But the evidence is there.

SPIN: Service-providers claim that Wi-Fi/cell phone/Smart meter radiation is safe, and the media haven't reported anything conclusive, so there's no need to worry.

FACT: Thousands of scientific studies attest to the damage caused by RF and other forms of radiation.

- The results of many of these studies have been published in reputable medical and scientific journals such as *The Lancet*, *the International Journal of Neuroscience*, *the Journal of Applied Sciences Research*, *Electromagnetic Biology and Medicine* and *NeuroToxicology*, among others (<http://nutritionalbalancing.org/center/environment/articles/emf-emr-health-effects#ref>).
- Studies find adverse biological effects from Wi-Fi frequencies (2.4 or 5GHz), with exposures of <16V/m (such as those from a Wi-Fi-enabled device): <http://bit.ly/1jsIPUp>.
- **A \$25m study by the National Toxicology Program of the NIH found that cell phone radio frequency radiation caused two types of tumours: glioma and schwannoma (acoustic neuromas).**¹⁰
- “EMFs provoke major effects in the brain,” says oncologist Dr Dominique Belpomme. “The most important of these is the opening of the blood–brain barrier. This allows mercury, organochlorines and other pollutants to enter the brain, where they cause various neurodegenerative diseases.”¹¹
- While some reports in the media strive to prove that EMR doesn't harm us, doctors and specialists around the world are quietly helping those whose lives have been torn apart by the very real and devastating phenomenon of electromagnetic hypersensitivity. For a timeline of growing awareness of/landmark rulings re EHS, see: <http://www.emfwise.com/awareness.php>.
- Associate Professor Dr Olle Johansson, a neuroscientist at the Karolinska Institute in Sweden who has been researching the biological effects of RF wireless radiation for more than 30 years, predicts a “paradigm shift” in attitudes towards EMF. Our environment currently has about 10 billion times more RF radiation than it did in the 60s. “If this environment is safe,” Johansson says, “we're talking about **15,000–25,000 papers—in peer-reviewed scientific journals**—all being wrong. That has never happened before.”

¹⁰ www.saferemr.com/2016/05/national-toxicology-program-finds-cell.html

¹¹ See: <http://goo.gl/RCiYLa>

Key physical effects of EMR¹²

1. **Nervous system disruption**, which sends the body into a perpetual fight-or-flight response and prevents it from resting, repairing, healing or regenerating normally.
2. **Reduced production of melatonin**—the body's sleep hormone, required for healthy sleep cycles. Melatonin is also the body's only natural antioxidant. When it is depleted, it causes oxidative stress and accelerated aging due to harmful free radicals.
3. **Impaired immune system**, in the form of decreased natural killer cells and other white-blood-cell damage.
4. **Reproductive problems**, due to sterility, infertility issues and hormonal disruption.
5. **Breakdown of the blood–brain barrier**, causing the death of neurons, which can lead to early dementia, Alzheimer's disease, ADHD and autism.
6. **Increased cerebral glucose metabolism**, also linked to Alzheimer's (known as 'diabetes of the brain').
7. **Oxidative stress and chronic inflammation**, which affect all the body's organs, causing numerous degenerative and other conditions such as cancer, diabetes, osteoporosis, heart disease, rapid aging and arthritis.
8. **Inhibition of repair mechanisms**, preventing the body from recovering or healing normally.

The key symptoms of EHS

- Insomnia/sleep disturbances
- Headaches, sharp pains, tingling, numbness
- Pressure in head/throat/chest/ears, tinnitus
- Dizziness, balance issues
- Electrical buzzing or 'zapping' in head
- Visual/hearing disturbances, eye irritation
- Short-term memory loss, mental/thought block, concentration problems
- Skin rashes, eczema
- Chronic dehydration, insatiable thirst
- Altered heart rate, palpitations, blood pressure anomalies
- Tremors, tics, seizures
- Extreme fatigue
- Joint dysfunction, musculoskeletal pains
- Increased chemical sensitivity and/or allergies
- Sensory overload, inability to rest/relax/heal

¹² Diagnosis and management of electromagnetic hypersensitivity (EHS): rapid overview for a mixed audience—a highly informative presentation by Dr Erica Mallery-Blythe at the British Society of Ecological Medicine convention in March 2014 (<https://vimeo.com/100623585>).

Sound familiar?

If you're experiencing any of these symptoms, it may *not* be because of electromagnetic radiation. However, the likelihood of them being caused or exacerbated by EMR is increasing every day, even though most of the effects go misdiagnosed, undiagnosed and/or are 'treated' with drugs. According to Dr Mallery-Blythe, some features of EHS require emergency management, such as seizures, cardiac chest pain and malignant arrhythmias, among others. There are also some hallmark signs of EHS, she says, such as body hotspots with increased sensitivity (such as the right ear, from using a cell phone, or the right hand, from using a computer mouse); chemical sensitivity; and temporary relief from bathing/showering, which has a grounding effect on the body.

Is this getting on your nerves?

The incidence of chronic neurological illnesses is rapidly increasing, with autism in children *doubling every five years*, according to Dr Dietrich Klinghardt.¹³ And he knows why. "The only thing that parallels the exponential increase in chronic neurological illness is the increased exposure to manmade electromagnetic fields—largely in the high-frequency range from cell phone radiation, the Tetra network [...] Smart meters..." With credentials, expertise and medical specializations too extensive to list, Dr Klinghardt is a recognized authority on EHS and the **many diseases (ALS, Parkinson's, MS, autism etc) exploding out of control, due to the widespread proliferation of radiation**. He has identified the biomarkers of EHS, adding considerably to the research carried out over the past 80 years—most of it showing biological damage being done by EMR. "As a scientist, you don't have to look very far," he says.

How far have the 'scientists' working for Telus, Bell, Shaw, BC Hydro, you or Justin Trudeau looked, Mr Robertson? The evidence is now so vast and compelling that it would be hard for any diligent researcher not to be daunted by the sheer volume of data. Service-providers and politicians who ignore this crucial evidence do a huge disservice to humans everywhere, while often vilifying, patronizing and insulting those with EHS.

You make me sick!

I'm sorry to put it like that... but shouldn't **YOU** be apologizing to **ME**? You—my neighbour, my colleague, my friend, the commuters surrounding me on the bus, the six other people in the elevator with me, and you—the Mayor of Vancouver—all pumping out massive amounts of radiation into our shared environment, which you have rendered so unhealthy that I can no longer inhabit it.

Let's be absolutely clear about this: I'm not the problem. I'm merely a symptom of what's wrong. It's not the *individual* that's sick, disabled or dysfunctional as a result of EMF 'sensitivity'; it's the

¹³ See <https://youtu.be/PktaaxPl7RI>

environment. In Sweden, those with EHS are not considered to have a disease but a functional impairment resulting from the inhospitable environment in which they live (see, for example: <http://1.usa.gov/1TYtbib>).

Getting greener ...or simply sicker?

While you and Justin Trudeau diligently focus your efforts on reducing the effects of climate change, you might wish to consider the far more pressing reality flagged by Dr Robert O. Becker, MD and scientist, twice nominated for the Nobel Prize: “...**the greatest polluting element in the Earth’s environment is the proliferation of electromagnetic fields**” [EMFs], which is “**far greater, on a global scale, than warming and the increase in chemical elements in the environment.**”

Some EHS doctors claim that *80% of all illnesses* are associated with electromagnetic radiation. They say that headaches, inflammation, insomnia, ADD/ADHD, neurological disorders and countless other conditions are caused or exacerbated by the escalating levels of radiation in our environment. Even autism, they say, has been shown to develop in children newly exposed to Wi-Fi.

Before they even *speak* to their patients, doctors with Wi-Fi/cell phones in their offices are effectively violating their oath to do no harm.

Important landmarks on the EMF lifeline

- “Studies show that 10–50% of the population [in France—i.e., 30 million people] may become very intolerant to EMFs over the next 25 to 50 years,” says French oncologist, Dr Dominique Belpomme,¹⁴ yet this projection is already (as of 2016) very much out of date.
- **The figures are far higher**, says Dr Erica Mallery-Blythe, based on new data showing that the **effects of EMR will be felt much more immediately—by 2017—in about 50% of the population in Austria, California, England, Ireland, Germany and Sweden**—and even that projection may be a gross underestimation.
- **Sweden officially recognized EHS as a functional disability in 2002.** Aware that it's not the *individual* that is sick, but the *environment*, the Swedes have special EMF-free communities, legal mechanisms and government subsidies for those with EHS.
- **Wi-Fi has been banned/severely restricted in many schools** in Switzerland, France, Germany and other European countries.
- In 2009, the **European Parliament voted for persons with EHS to be recognized as disabled.**
- In 2011, the WHO/International Agency for Research on Cancer (IARC) **classified RF radiation as possibly carcinogenic to humans** (Group 2B), based on **an increased risk of glioma** (a malignant type of brain cancer), associated with wireless phone use. **Acoustic neuromas** have also been found to result from Wi-Fi radiation exposure.
- A Spanish labour court decreed a college professor to be permanently incapacitated by EHS, in 2011.
- In May 2015, **Lloyd's of London informed British schools that it was excluding liability coverage** for injuries “resulting from or contributed to by electromagnetic fields, electromagnetic radiation, electromagnetism, radio waves or noise”, which means that **school officials could be personally liable for exposing children/staff and staff to microwave radiation** (<http://bit.ly/1XX2Qo4>).
- The Canadian authorities must have briefly ‘seen the light’, back in June 2007, when the **Canadian Human Rights Commission approved a Policy on Environmental Sensitivities** that *also recognized EHS as a disability*. Clearly, that initial awareness has since been cancelled out by powerful political and industry forces.

¹⁴ See <http://goo.gl/RCiYLa>

Human rights and human wrongdoings

The Policy on Environmental Sensitivities states that **“those living with environmental sensitivities are entitled to the protection of the Canadian Human Rights Act, which prohibits discrimination on the basis of disability.** The Canadian Human Rights Commission will [...] process any complaint from any person who believes that he or she has been discriminated against because of an environmental sensitivity. Like others with a disability, **those with environmental sensitivities are required by law to be accommodated**” (http://www.chrc-ccdp.gc.ca/sites/default/files/policy_sensitivity_0.pdf) (for further details, see Appendix 1).

In accordance with the **United Nations Convention on the Rights of Persons with Disabilities**,¹⁵ Canada has an obligation to respect the following principles (with particular relevance to EHS):

- a. Respect for inherent dignity, individual autonomy including the freedom to make one's own choices, and independence of persons;
- b. Non-discrimination;
- c. Full and effective participation and inclusion in society;
- d. Respect for difference and acceptance of persons with disabilities as part of human diversity and humanity;
- e. Equality of opportunity;
- f. Accessibility;

It must also undertake:

- a. To adopt all appropriate legislative, administrative and other measures for the implementation of the rights recognized in the present Convention;
- b. To take all appropriate measures, including legislation, to modify or abolish existing laws, regulations, customs and practices that constitute discrimination against persons with disabilities;
- c. To take into account the protection and promotion of the human rights of persons with disabilities in all policies and programmes;
- d. To refrain from engaging in any act or practice that is inconsistent with the present Convention and to ensure that public authorities and institutions act in conformity with the present Convention;
- e. To take all appropriate measures to eliminate discrimination on the basis of disability by any person, organization or private enterprise;

The provisions of the Convention extend to all parts of federal states, without any limitations or exceptions. In order to promote equality and eliminate discrimination, Canada (along with the other signatories) must take all appropriate steps to ensure that reasonable accommodation is provided.

¹⁵ See: <http://goo.gl/aEJF1>

According to the **BC Human Rights Code**, landlords, service-providers and other decision-makers have a legal obligation to accommodate those with a disability—including EHS.

What accommodation are you making for those with EHS?

Where can we safely enjoy the amenities available to everyone else in the city, without being incapacitated, excluded or otherwise discriminated against, due to Wi-Fi radiation?

What steps are you taking to eliminate the discrimination of those with EHS, in all of the ways described herein?

“...persons with the functional impairment electrohypersensitivity [have the right] to live an equal life in a society based on equality.”

—Dr Olle Johansson, a neuroscientist
at the world-renowned Karolinska Institute in Sweden

If EHS results from the body's natural reaction to harmful electromagnetic radiation (as demonstrated via blood analysis¹⁶), then discrimination of those with this 'functional impairment' denies the basic principles of human physiology, which constitutes discrimination against the human body itself.

Although being exposed to harmful radiation without one's consent and beyond one's control is clearly a violation of one's human rights, it's hard to determine just how many of those rights are being violated. There's the right to equal opportunity, the right to sustain a livelihood, the right to access all the services and amenities available to non-EHS citizens, the right to good health, the right to live in a safe environment, the right to choose whether to be exposed to harmful radiation and maybe even the right to exist, given the foregoing. It might even be considered a denial of our very humanity, given our natural reaction to radiation and the body's inevitable tipping point of intolerance for the ever-escalating levels. We all have tipping points of intolerance—for alcohol, sugar, carcinogens and toxins, as well as for politicians such as Harper or any other public officials who fail to serve our best interests.

¹⁶ Observable effects of RF/MW radiation from Smart meters: cell mutation, oxidation and rouleaux (aggregation of red blood cells), shown through live-blood-cell (dark-field microscopy) analysis. See <https://goo.gl/Nvdpgz>.

Prelude to pathology

It's really quite simple, and it all boils down to this: human blood cells are adversely affected by EMFs. To tout 'safe' standards, to contest the human rights angle, or to resort to transparent, legal grasping in an attempt to disprove the harm caused is unnecessary and irrelevant. Anyone can put a drop of their blood under a high-powered microscope and see for themselves the damage done—as have numerous laypersons, researchers and doctors, including bestselling author Dr John Gray. “With high EMF exposure, blood cells become sluggish and congested,” he says. “When I heard about this [EMF] research, I went out and bought an expensive microscope to test this. I saw this with my own eyes.” The damaged cells (indicating oxidation, cell mutation and the formation of rouleaux) are the precursors to illness and disease. **No further proof is required. While it's certainly a legal issue, it's primarily a physiological, humanitarian one.**

Let's get personal...

What would it take for you to acknowledge the dangers of EMR? If your daughter Hanna developed autism, ADHD or maybe even MS, would that do it? What if *you* started experiencing inexplicable symptoms, to the point where you could no longer work or function normally? Does that seem too personal a question? Every minute of every day, I'm exposed to intense, pervasive, inescapable radiation, sanctioned and promoted by you, with progressively damaging effects on my body and my life. It doesn't get much more personal than that, Gregor.

Let's explore a few more scientific facts. Do you know how much radiation is emitted by your cell phone, your laptop, your iPad or your cordless phone? And if you're exposed to multiple Wi-Fi signals at once, from multiple sources, do you know how much radiation that would be?

I asked a physicist about this, and here's what he said:

When looking at signal strengths on phones or routers, the number of bars is not linearly related to the strength of the field. Thus, bar 4 may be 10 times stronger than bar 3, which may be 10 times stronger than bar 2, which may be 10 times stronger than bar 1. However, bar 5 may be 1,000 to 100,000 times stronger than bar 4. In reality, one signal might be 19mW/m², another 13mW/m², and the others around 2mW/m², with all 10 signals registering as 4 bars. Your total exposure would then be 48mW/m². [Most researchers/ doctors specializing in EHS recommend levels of no more than 1mW/m², for prolonged exposure.] Since the number of bars is arbitrary and can cover a wide range of signal strength, there is no simple way to add them. The greater the duration/strength of the signal, the more it interacts with your body.

This raises numerous questions about the rapidly rising RF radiation levels in public spaces and what you're doing to limit the radiation before it becomes intolerable for most human beings.

Questions for you and the government to answer

- Given the data above, how can you ever determine the level of Wi-Fi radiation anywhere, at any time, if you don't know how many devices are being used or at what strength?
- What is the current level of Wi-Fi radiation downtown, in the public library, in Vancouver General Hospital, or in a multi-dwelling residence where everyone has their own Wi-Fi routers, cell phones and countless other wireless devices generating their own strong signals?
- Are you/your team keeping track of the levels? When and how do you measure them? And do businesses have to report back to you if they 'go Wi-Fi' and add to the existing cumulative load, in any one location?
- Do you do all this testing and research in secret or at night? Or do you rely on what others have reported as being 'safe'? (I've never seen you or any other public official carrying an RF meter for testing the Wi-Fi radiation levels around you.)
- Can you tell me how much radiation I'm exposed to, at any given time, in any given place? Do you know what's healthy or tolerable for me—for my particular body, with its unique, individual characteristics and tolerances? Will you call me when the levels go beyond what you think I can personally tolerate?
- What about when I'm in an elevator with 8 other people, all using their iPhones, which generate dangerously high levels of radio-frequency radiation, with a reach of 20–40 feet, in a tiny 8' x 10' space, far exceeding what could conceivably be considered healthy for anyone?
- What do you recommend for the rapidly growing number of people like me who cannot consult a naturopath, or even go to VGH, since WiFi is now everywhere, thanks to you? What do you suggest they do, if consulting the medical profession worsens the condition for which they are seeking medical help?

- Do you realize that you will never know the full impact of your campaign, since many of those with EHS are so incapacitated that they have either fled the city, are too sick to fight back, or cannot even use their computer?
- Do you take responsibility for the fact that you've not only allowed all citizens to be bombarded with harmful radiation, beyond their control, but have also led them to believe that Wi-Fi radiation is safe and that they can use their numerous electronic devices as often as they like, without any ill effects?
- Do you, in your role as a public servant, feel confident that you can tell me what I can or cannot safely do, even if you haven't done the necessary research? How many of the thousands of medical/scientific studies, confirming the damaging effects of EMR, have you actually read?
- Is it possible to make Vancouver '*the greenest city in the world*' while simultaneously bombarding it with the kind of radiation that has been shown to prevent the healthy growth of plants and trees, not to mention human beings?¹⁷
- What about the explosive growth of new Wi-Fi technologies and gadgets—with self-driving wireless cars soon to be on the market? Have you established the level at which the ambient radiation will have to be capped, to prevent a catastrophic epidemic of sickness, disability and neurological disorders?
- Have you estimated the cost of this to the healthcare system, which will ultimately be paid for (financially and in immeasurable other ways) by all Canadians?

**The scientific evidence of the harm caused
by electromagnetic radiation is irrefutable.
There is no longer any doubt, just denial.**

¹⁷ See: <http://bit.ly/1dy9fwt> and <http://goo.gl/PO2yiV>.

I would genuinely like to know why you think that you—and Shaw, Bell, Telus, BC Hydro etc—can violate my most fundamental rights as a human being, subjecting me to harmful radiation, without my permission and beyond my control, causing functional impairment, hearing loss, nervous-system dysregulation, neurological disruption, organ damage, pain, social isolation, financial loss, rapid aging, illness and despair. Please advise.

While I'm rightfully angry about that, I also regret not taking this far more seriously, far sooner than I did. Even though I could feel electrical buzzing in my head, when exposed to Wi-Fi signals, I didn't know I had an *acoustic neuroma* growing in there—or even that such things existed. My ignorance and lack of awareness cost me dearly.

I urge you not to make the same mistake.

Sincerely,

A handwritten signature in black ink, appearing to read 'Olga', with a long horizontal line extending to the right.

Olga Sheean
olga@olgasheean.com

PS: I respectfully request that you not insult my intelligence, increase my stress or further decrease my life expectancy by diminishing, dismissing or invalidating the very real, rapidly escalating, unmonitored and immeasurable dangers of electromagnetic radiation, or the vast body of irrefutable medical and scientific evidence attesting to its damaging impact on human life.

PPS: I almost forgot: where should I send the bill? In the last four years alone, I've spent over \$25,000 on specialists, medical tests, therapies, supplements and EMF-shielding fabrics and devices. Being unable to work normally since undergoing brain surgery has cost me at least \$250,000. The ongoing costs to my relationship, health, well-being, friendships, business, social life, mobility, longevity and quality of life are inestimable. But let's just round it all down to a nice easy \$2 million. Should I send the bill directly to you, so you can split it with your buddies at Shaw, Bell, Telus and BC Hydro? Please let me know.

A taste of what's to come: the real cost of electromagnetic radiation

Available data indicate that, if current trends continue, 50% of the population of many developed countries will, by 2017, be feeling the effects of electromagnetic radiation. Canada is no exception. In Metro Vancouver alone, almost 1.3 million people would be affected, and these are just some of the changes you can expect to see:

- **the incidence of illness will rise dramatically**
- **healthcare costs will soar**
- **healthcare and government services will be unable to cope**
- **absenteeism will increase exponentially**
- **performance, expertise, focus and concentration will suffer**
- **more human error and accidents will occur in all areas of life**
- **shortages will occur in skilled/unskilled labour**
- **businesses will flounder/go under**
- **the incidence of autism in children will skyrocket**
- **more and more people will take drugs to try to control symptoms**
- **young people will have increasing hormonal problems/infertility**
- **adults will age rapidly and leave the workforce early**
- **an increasing percentage of the population will be on disability/pension**
- **home-owners will default on loans**
- **local and national economies will suffer**
- **markets will founder or collapse**
- **lawsuits, lawsuits, lawsuits...**

Appendix 1: Scientists call for more protective measures, given increasing evidence of risk from EMFs

In May 2015, 190 scientists from 39 nations submitted an appeal to the United Nations, UN Member States and the World Health Organization (WHO) requesting that they adopt more protective exposure guidelines for electromagnetic fields (EMFs) and wireless technology in the face of increasing evidence of risk.

All of the scientists have published peer-reviewed papers on the biological or health effects of non-ionizing radiation—part of the EMF spectrum that includes extremely low frequency (ELF) fields used for electricity, or radio frequency (RF) radiation used for wireless communications. The appeal was launched by Dr Martin Blank, who has over 30 years' experience conducting EMF research at Columbia University and is former president of the International Bioelectromagnetics Society. He gives a compelling explanation of the major health crisis we are facing due to increasing levels of environmental pollution from growing and expanding EMF sources.

The appeal calls for precautionary measures, to limit EMF exposures, and to educate the public about health risks, particularly to children and pregnant women, and asks the United Nations, WHO, UNEP and UN Member States to:

- address the emerging public health crisis related to cell phones, wireless devices, wireless utility meters and wireless infrastructure in neighborhoods; and
- urge that the United Nations Environmental Programme (UNEP) initiate an assessment of alternatives to current exposure standards and practices that could substantially lower human exposures to non-ionizing radiation.

“International exposure guidelines for electromagnetic fields must be strengthened to reflect the reality of their impact on our bodies, especially on our DNA,” says Dr Blank. “The time to deal with the harmful biological and health effects is long overdue. We must reduce exposure by establishing more protective guidelines.”

The appeal highlights WHO's conflicting positions about EMF risk. WHO's International Agency for Research on Cancer classified radiofrequency radiation as a Group 2B “possible carcinogen” in 2011, and extremely low frequency fields in 2001. Nonetheless, WHO continues to ignore its own agency's recommendations and favours guidelines recommended by the International Commission on Non-Ionizing Radiation Protection (ICNIRP). **These guidelines, developed by a self-selected group of industry insiders, have long been criticized as non-protective.**

Dr Joel Moskowitz, PhD, of University of California, Berkeley, says: “ICNIRP guidelines set exposure standards for high-intensity, short-term, tissue-heating thresholds. These do not protect us from the low-intensity, chronic exposures common today.”

The appeal calls on the UN to strengthen its advisories on EMF risk for humans and to assess the potential impact on wildlife and other living organisms under the auspices of the UN Environmental Programme, in line with the science demonstrating risk, thereby resolving this inconsistency.

See: <http://www.emfscientist.org> and <http://goo.gl/sLi7Uu>

Appendix 2: Excerpts from the Canadian Human Rights Commission report, Accommodation for Environmental Sensitivities: Legal Perspective

“...the Act’s prohibition of discrimination applies to all employers, providers of goods, services, facilities or accommodations, and employee organizations under the federal jurisdiction of the Canadian Human Rights Commission.

“The Ad Hoc Committee on Environmental Hypersensitivity Disorders, chaired by former Judge George M. Thomson, defined environmental sensitivities as:

a chronic (i.e. continuing for more than three months) multisystem disorder, usually involving symptoms of the central nervous system and at least one other system. Affected persons are frequently intolerant to some foods and they react adversely to some chemicals and to environmental agents, singly or in combination, at levels generally tolerated by the majority... Improvement is associated with avoidance of suspected agents and symptoms recur with re-exposure.

“Individuals with environmental sensitivities experience adverse reactions to environmental agents below the level deemed to be unsafe or to affect people. The causes, symptoms and triggers of environmental sensitivities vary from individual to individual. **The triggering environmental agents are prevalent throughout the built environment and include electromagnetic fields** and the chemicals found in building materials, furniture, cleaning and copying products, fragrances, and pesticides.

“...there is no doubt that individuals experience physical symptoms as a result of environmental agents. Even if environmental sensitivities were triggered by a psychiatric condition, the Act’s guarantee of accommodation to the point of undue hardship and non-discrimination would be equally applicable, albeit potentially with different forms of accommodation. While this paper uses the term ‘environmental sensitivities,’ numerous other terms refer to the same or similar conditions, including ‘multiple chemical sensitivity (MCS),’ ‘chemical injury,’ ‘sick building syndrome,’ ‘environmental illness,’ **‘environmental hypersensitivity,’ ‘electromagnetic field (EMF) sensitivity,’** ‘Gulf War syndrome,’ ‘environmental sensitivity disorder,’ ‘20th century disease’ and ‘environmental allergies.’ Because of the variation in triggers and symptoms, it is preferable to refer to sensitivities in the plural, rather than the singular.

“[In Canada] complainants are required to provide minimal medical evidence to establish that they qualify as persons with a disability, **and individuals with environmental sensitivities do not need to prove the veracity of their condition. In fact, the courts have specifically held that the inability of the medical community to diagnose a condition or identify its cause does not affect whether an individual has a disability, so long as its triggers can be identified.** Instead, the analysis is meant to focus on the individual’s accommodation needs and the behaviour of the employer or service provider.”

Radiation Sickness; Sarah Jane Berd Comments, Aug. 23, 2013

Dear FCC:

I am electromagnetic sensitive and it is affecting my work. This letter I wrote to my Union August 25, 2013.

Hi UE Local 1008:

I had a meeting with Management, on Friday August 23rd, 2013 after I requested to move to another work station after I measured pulsed radiation at 3 second intervals reading over 2000 uW/m².

This issue may be the Achilles heal that gets me fired in the near future.

On Thursday August 22, 2013 I came home very tired, went to bed around 4:00 and slept approximately 15 hours. This is very unusual for me, so I decided to bring in my \$450 dollar HF 35C HF Analyzer to test the radiation at my workstation. Sure enough the radiation readings were going off the range of my meter pulsing every few seconds. Even though I wear EMF protective clothing everyday this is not enough to protect against this strength of radiation. I went to another nearby work station and the readings were at base line. I packed up my things to relocate at the new workstation, trying not to draw attention to myself. Lauren told me that if I did not move back then we would have to have a meeting with management.

Pam informed me that I would need to obtain a doctor's note for any future requests to move my work station due to excessive radiation readings. Which I will do, but it will cost me quite a bit of money.

As you know I have been a passionate activist against Electromagnetic Smog as I believe that I have become electromagnetic sensitive. I was a founding board member of Center for Electrosmog Prevention <http://www.electrosmogprevention.org/> & <http://smartmeterdangers.org/> when we were instrumental in our efforts to obtain an "opt out" for Californian's SMART METER SMART GRID program by submitting legal briefs to the California Public Utilities Commission meetings and I testified at a California Public Utilities Commission hearing in San Clemente December 2012.

US Federal Communications Commission FCC Exposure Standards Maximum Permissible Exposure for the General Population of Uncontrolled Exposure to Wi-Fi Radiation in the frequency range of 1500 -100,000 MHz is ONE (1) mW/cm² for up to 30 minutes and Occupational controlled Exposure is FIVE (5) mW/cm² for up to 6 minutes. Please see page 47 of this Government Document.

http://transition.fcc.gov/Bureaus/Engineering_Technology/Documents/bulletins/oet65/oet65b.pdf

The World Health Organization (WHO) has classified Wi-Fi as a Class 2B Carcinogen along with Lead, DDT, HIV, Methyl Mercury, Chloroform and Diesel Engine Exhaust.

<http://www.stopthecrime.net/docs/Medical-Advisory-WiFi-and-Children-06%20%281%29.pdf>
& http://www.iarc.fr/en/media-centre/pr/2011/pdfs/pr208_E.pdf

Designated substances

5.57 (1) If a substance identified as any of the following is present in the workplace, the employer must replace it, if practicable, with a material which reduces the risk to workers:

- (a) ACGIH A1 or A2, or IARC 1, 2A or 2B carcinogen;
- (b) ACGIH reproductive toxin;
- (c) ACGIH sensitizer;
- (d) ACGIH L endnote.

(2) If it is not practicable to substitute a material which reduces the risk to workers, in accordance with subsection (1), the employer must implement an exposure control plan to maintain workers' exposure as low as reasonably achievable below the exposure limit established under section 5.48.

(3) The exposure control plan must meet the requirements of section 5.54.

[en. B.C. Reg. 315/2003, App. A, s. 9; am. B.C. Reg. 258/2008, App. C, s. 2.]

Employers are required to address issues relating to Class 2B Carcinogens. I recommend that everyone turn off their cell phones during working hours.

I am electro-magnetic sensitive and I need refuge away from carcinogenic Wi-Fi radiation.

Electro- hypersensitivity (EHS) is a recognized and paid disability in Sweden.

http://iopscience.iop.org/1755-1315/10/1/012005/pdf/1755-1315_10_1_012005.pdf.

I also have documented some exposures at my daughter's school that would be ILLEGAL in Salzburg, Italy & Vienna. <http://www.powerwatch.org.uk/science/intguidance.asp> , see my youtube cannel. @ You Tube SarahParalegal Channel.

Electromagnetic Radiation is LETHAL over time.....People are reporting symptoms near cell towers and in proximity to other RFR-generating sources including consumer products such as wireless computer routers and Wi-Fi systems that appear to be classic "microwave sickness syndrome," also known as "radiofrequency radiation sickness." First identified in the 1950s by Soviet medical researchers, symptoms included headache, fatigue, ocular dysfunction, dizziness, and sleep disorders. In Soviet medicine, clinical manifestations include dermographism, tumors, blood changes, reproductive and cardiovascular abnormalities, depression, irritability, and

memory impairment, among others. The Soviet researchers noted that the syndrome is reversible in early stages but is considered lethal over time (Tolgskaya et al. 1973).

http://www.magdahavas.com/wordpress/wp-content/uploads/2010/11/Blake_Levit-Henry_Lai.pdf

[Electromagnetic-Radiation-Emitted-by-Cell-Tower-Base-Stations-and-Other-Antenna-Arrays-2010](#)

Firstenberg (Firstenberg, A, 2001, Radio Wave Packet, President, Cellular Phone Taskforce, http://www.goodhealthinfo.net/radiation/radio_wave_packet.pdf.)

Microwave radiation Lawsuits are multiplying. I support these smart meter lawsuits from concerned citizens who are fighting this Goliath defending God given rights to protect and defend privacy, safety, health and freedoms. <http://smartmeterlawsuits.blogspot.com/> &

<http://stopsmartmeters.org/2012/04/13/smart-meter-lawsuits-multiplying/>

The following documents outline the current case...

- [\[1\] Second Amended Complaint](#)
- [\[2\] Exhibits A and B to Second Amended Complaint](#)
- [\[3\] Amended Declaration of Dr David Carpenter](#)
- [\[4\] Declaration of Dr. Andrew Goldsworthy, Ph.D](#)
- [\[5\] Declaration of Dr. Magda Havas, Ph. D](#)
- [\[6\] Havas - Addendum A - Studies](#)
- [\[7\] Havas - Addendum B - Boston Petition](#)
- [\[8\] Havas - Addendum C - International Appeals](#)
- [\[9\] Havas - Addendum D - Presentation](#)
- [\[10\] Amended Declaration of Lloyd Morgan](#)
- [\[11\] Morgan - Addendum A - WI-FI Survey](#)
- [\[12\] Morgan - Addendum B - Mount Tabor Log Book](#)
- [\[14\] Morgan - Addendum D - BEMS presentation 6-12-08](#)
- [\[15\] Morgan - Addendum E - Poster - Re-evaluation of the Interphone Study](#)
- [\[16\] Morgan - Addendum F - Poster - Exposure Limits The underestimation . . . especially in children](#)
- [\[17\] Morgan - Addendum G - Poster - 108 How Many Brain Tumors v3 6-8-09 \[Compatibility Mode\]](#)
- [\[18\] Morgan - Addendum H - Poster - Incidence Rate Model 5-8-11](#)
- [\[19\] Morgan - Addendum I - Mobile Phone Use and Brain Tumors in Children and Adolescents](#)
- [\[20\] Amended Declaration of Barry Trower](#)
- [\[21\] Trower - Addendum A](#)
- [\[22\] Second Amended Declaration of Curtis Bennett](#)
- [\[23\] Expert Report of David Savitz \(Portland Public Schools\)](#)
- [\[24\] Reply of Dr David Carpenter, M.D.](#)
- [\[25\] Amended Reply of Dr. Magda Havas, Ph. D.](#)
- [\[26\] Amended Reply of L. Loyd Morgan](#)

- ~~Deposition of David Savitz~~
 - ~~L. Loyd Morgan Reply~~
 - ~~Reply of Dr. David Carpenter, M.D.~~
- 

Radiation Sickness; Cynthia S Larson Comments, Feb. 4, 2013

FCC 12-152**Before the
Federal Communications Commission
Washington, D.C. 20554**

In the Matter of	)	
	)	
Notice of Proposed Rulemaking	)	
18 FCC Rcd 13187, 13188 ¶1 (2003)	)	ET Docket No. 03-137
	)	
And	)	
	)	
Service Rules for the Advanced Wireless Services	)	WT Docket No. 12-357
H Block---Implementing Section 6401 of the	)	
Middle Class Tax Relief and Job Creation Act of	)	
2012 Related to the 1915-1920 MHz and	)	
1995-2000 MHz Bands ¶53 footnote 95	)	

To: Office of the Secretary
Federal Communications Commission
Washington, DC 20554

Comment Filed by: Cynthia S. Larson
P.O. Box 7393
Berkeley, CA 94707-7393
cynthiaslarson@gmail.com
(510) 528-2044

February 2, 2013

AFFIDAVIT OF CYNTHIA S LARSON

State of CALIFORNIA]

Alameda County]

I, Cynthia S. Larson, attest that my statements are true to the best of my knowledge.

Comment round for ET Docket No. 03-137 and WT Docket No. 12-357.

1. My name is Cynthia S Larson. . My address is P.O. Box 7393, Berkeley, CA 94707-7393.
2. I am a self-employed writer with an AB degree in Physics from UC Berkeley and an MBA degree from San Francisco State University.
3. I have concerns that existing FCC RF safety guidelines and standards are inadequate to protect peoples' health, based on my direct experience with negative health effects from so-called "smart" meters including: dizziness, nosebleeds, blurred vision, ringing in my ears, migraine headaches and a generally foggy state of mind.
4. PG&E gas & electric smart meters were installed on my home in January 2010, as well as on homes to either side of mine, and all around my neighborhood.
5. One day in October 2011, I noticed I had become inexplicably and strangely unwell for weeks that dragged into months. I wondered why I awoke every morning feeling mentally dull (foggy), dizzy with a sense of vertigo, and with nosebleeds, blurred vision, ringing in my ears, and migraine headaches when nothing in my life or routine had changed. I had not experienced any of these symptoms on a daily basis before individually, let alone all together at once each and every day. I wondered why when I was sitting and reading a book, my heart would often skip a beat, and bizarre muscle tremors would inexplicably spasm across muscles on my face, arms, legs, and all over my body as if I'd just been given an invisible electric shock. When I spent ten days away from my home and away from smart meters in Maui in November 2011, I was amazed at how much better I felt. Gone were all the symptoms. When I returned home, all the aforementioned symptoms returned, and I wondered what was causing them. In January 2012, I caught strep throat and felt sicker than I'd ever been in my life. Unable to feel comfortable anywhere in the house—due to feeling such intense and inexplicable levels of pain in my head, eyes, ears, heart, and all over my body—I slept on the living room floor, and turned my full attention to the question of what, exactly, was making me feel so terribly sick.
6. In January 2012, I had an "Aha!" moment when I looked up my symptoms, I was amazed to find that many of them matched what used to be known as **"microwave sickness."** The first scientific report of microwave sickness appeared in 1974, with symptoms including: fatigue, headaches, palpitations, insomnia, skin symptoms, impotence and altered blood pressure. In cases of extreme exposure, symptoms also included: warming sensations, nausea, neuropathy (numbness, tingling, even paralysis in toes and fingers), stomach cramps, dyesthesia (a crushing sensation) and irritability. People in these studies had been accidentally exposed to microwave radiation, and no clear biological markers at that time were found, so these were not the kind of long-term studies that could establish safe exposure levels.

7. In January 2012 I called and wrote to PG&E, asking them to immediately remove and replace the smart meters that were making me so sick on my home with the analog meters I'd had for years, with no problems. The PG&E spokesman I reached on the phone read rather woodenly from some kind of prewritten script, repeating over and over again how "smart meters are harmless." I explained to him that I have a degree in physics from UC Berkeley, and am well aware that many kinds of radiation that we currently don't have health standards or studies for are far from harmless, and that I was certain I am experiencing extremely negative effects from smart meters installed on my home. Eventually, this so-called "help" line staffer informed me that there was nothing I could do—there was no way (yet) to opt out.
8. During the months of October 2011 through February 2012 my cognitive abilities were profoundly impacted and I became severely depressed due to migraines, heart palpitations, nosebleeds and lack of sleep. This adversely impacted my ability to earn a living since I am self-employed, and do not get sick time.
9. At the beginning of February 2012, I requested a smart meter opt-out from my local utility company, Pacific Gas & Electric (PG&E), on the very first day they offered such a program to the public, and exactly one week later on February 8, 2012, the gas and electric smart meters on my home were replaced with analog meters. While I still hear ringing in my ears and have increased sensitivity to my computer that I never had before, I'm now sleeping well and no longer waking up with nosebleeds and migraine headaches... and the heart palpitations, muscle spasms and blurred vision are a thing of the past.
10. Since smart meters were installed on my house, I have become increasingly RF sensitive. Prolonged exposure to my Mac laptop computer when it's using WiFi makes whatever parts of my body are closest to it vibrate and buzz uncomfortably. On days when I travel on public transportation, such as the bus or Bay Area Rapid Transit (BART), I come down with a cold for several days immediately afterward—and I never before in my life had such a reaction to being on public transportation back in the days before cell phones were in most people's pockets.

Respectfully submitted by

Cynthia S. Larson
P.O. Box 7393
Berkeley, CA 94707-7393
February 2, 2013

Radiation Sickness; Josh Fisher Comments, Oct. 3, 2016

ID 1001025211151
Proceedings GN 14-177 ET 13-84
Name of Filer josh fisher
Type of Filing COMMENT
Filing Status DISSEMINATED
Viewing Status Unrestricted
Date Received Oct 3, 2016
Date Posted Oct 3, 2016
Address 469 N SPRUCE AVE
City WHITE CLOUD
State MI
ZIP 49349
Zip4+

Brief Comment

over the last year my family has become aware that we have electromagnetic hypersensitivity. we have had to scrub our home of EMFs and all forms of wireless communication (wifi, cordless phone, Bluetooth, cell phones). wireless and emf are toxins that cause immune activation and other problems with prolonged or abnormal exposure (wifi is on 24/7). some of the symptoms include migraines or headaches, fever, flushing of face, chronic inflammation, brain inflammation (leading to ADD, dementia, confusion), poor situational awareness, chronic fatigue, poor depth perception, sensation of unreality, irritable bowel syndrome, aching joints and muscles, and muscle spasms or tremors. after knowing about this problem for only one year, using an EMF meter and RF meter, I have been able to help a number of others realize what is causing their health problems as well. higher frequency wireless transmissions require a lot more power to cover the same distance as lower frequencies. if you fast track this process without looking into the health problems they will cause electromagnetic hypersensitivity will become a household term and the major epidemic of our time.

Radiation Sickness; Paul Stanley (Petitioner) Comments, Oct. 3, 2016

September 30, 2106

Aloha FCC,

I have been a Hawaii public school teacher since 1989 and a school technologist since 1992.

Since 2001 I have been suffering from an illness that the World Health Organization (WHO) calls Electromagnetic Hypersensitivity (EHS). This was caused by over exposure to microwaves (cell phone repeaters on the roof of my working place and wi-fi).

My symptoms include: a burning sensation in my head that continues and increases until I can move away from the source, a terrible sensation of pain through out the body, muscle spasms, irritability, insomnia, confusion, inability to concentrate and others. This all translates to stress on the body which can lead to a whole host of other ailments.

Radio waves are the ultimate pollutant. You can't see, hear, smell them, but contrary to what the "experts" say your body is stressed by them. Unfortunately for me, over exposure has left me with Electromagnetic Hypersensitivity (EHS).

The truth is that the FCC "safety" standards are obsolete and the evidence is that myself and others got sick.

There are many others in Hawaii that are suffering from this debilitating condition.

I've had EHS since 2004. I lost my dream job in educational television that I worked so hard to get. This job that I loved exposed me to microwave signals daily for six years until my body broke down and I had to quit. The many cell phone antennas and microwave transmission dishes on the roof above my office pushed me beyond my body's limits.

This was just the beginning of a very long, living nightmare. The damage had been done. I could not even sleep in my own home because of my neighbors' wi-fi signals coming into my home. After twelve years, I still am injured by Electro Magnetic Radiation (EMR).

I lost my job, had to sell my home and I've spent more than \$60,000.00 seeking treatment to heal this affliction. I've spent my life savings and have no money for my children's college education.

If 5G networks are implemented, my life will be even more impossible with antennas everywhere. I ask that it will be stopped until further investigation as to the harms that it creates.

Thank you,
Paul Stanley, M.Ed. (Educational Technology)
Apple Distinguished Educator
PO Box 894821
Mililani, HI 96789

Radiation Sickness; Lynnell Rosser Letter, Nov. 25, 2013

Lynnell Rosser, Box 644, Sonita AZ 85637

NOV 25 2013

FCC Radiofrequency Reassessment

ET Docket No. 03-137 and ET Docket No. 13-84

FCC Mail Room

Six years ago my family bought a house that was in the city of Mesa Arizona. I started to have nervousness & could not relax. I could not sleep. I had migraine headaches, severe fatigue, my skin (nerves) were stinging (burning sensation) chest tightness which is very scary. I could not tolerate the house. I called in a specialists who tests homes for toxins that may be making them sick in the home. After looking around the area and testing my home he said that the microwave radiation in the house was very high. He pointed out that we have 3 cell phone antennas very close at the high school we can see clearly out out back window.

We have 291 registered cell phone antennas in a four mile radius of our home. Through his findings and process of elimination and experimentation I know for a fact that this over exposure to microwaves was causing my health problems. Through this over exposure I had been become electrically hypersensitive.

I put RF blocking material on all the windows at a very high cost to us. It cut the radiation down so I could tolerate the house but was severely fatigued. I could not sleep in the house however and had to travel seven miles to a gated park to sleep in my van.

Then August of 2011 I started to feel the electrical stress more intensely. Something had changed. My nerves were burning. I started to search for answers and found out that two smart phones had been released and that the antennas had been converted to 4G strength. I experimented to make sure. I would get closer to the antennas at the high school and my symptoms were intensified. When I went to a remote area my symptoms were gone.

I worked all my life to afford a nice home that was mortgage free and I can't live in it. I have been moving from place to place but 4G conversion takes place and I am homeless again. There is no microwave free air for people to get refuge.

These pulsing microwaves are dangerous and deadly. I have children but have to live far from them to protect myself. It has broken up my marriage of which was happy before this all occurred. So I am all alone and secluded in a remote area because of the cell industry. Who knows how long I will be safe where I am and have to flee. And to where?

With little money and disabled what are people like me going to do? The children's developing bodies, nervous systems, are going to be damaged. This is an invisible monster no one will acknowledge due to enormous amount of money it makes.

The cost of gas to escape this exposure and extra living expenses and blocking materials is too much to bare. Most cannot afford it and thus are killing themselves.

Please restrict heavily this 4G radiation. Take them away from schools and residential areas.

If not we will have a world full of disabled people that can't work and cannot pay taxes. Where will the economy be then? Many are committing suicide because they have no money and no where to go. It is shear torture. Lynnell Rosser

Email 10i326@yahoo.com

Lynnell Rosser

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Radiation Sickness; Charyl Zehfus Reply Comments, Sep. 12, 2016

FCC 13-39

**Before the
Federal Communications Commission
Washington, D.C. 20554**

In the Matter of

Reassessment of Federal Communications
Commission Radiofrequency Exposure Limits and
Policies

Proposed Changes in the Commission's Rules
Regarding Human Exposure to Radiofrequency
Electromagnetic Fields

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ET Docket No. 13-84

ET Docket No. 03-137

To: Office of the Secretary
Federal Communications Commission
Washington, DC 20554

Reply Filed by:

Charyl Zehfus
N6158 N. 61st Street
Sheboygan, WI 53083
szeefas@yahoo.com
920-467-4853

September 12, 2013

AFFIDAVIT OF Charyl Zehfus

State of Wisconsin

Sheboygan County

I, Charyl Zehfus _____, attest that my statements are true to the best of my knowledge.

Reply round for FCC ET Docket No. 013-84 and ET Docket No. 03-137

1. My name is _Charyl Zehfus_. My address is _N6158 N. 61st Street, Sheboygan, WI 53083_____.

2. I am retired librarian, and an active researcher/writer.

3. I am re-submitting the following slightly updated comments as an affidavit to the FCC Commissioner about the dire need to involve the EPA towards lowering U.S. radiofrequency/microwave (RF/MW) limits to biologically-based standards, and to undertake a full NEPA evaluation as a legal necessity due to reported injuries from RF/MW allowed emissions. (The documents listed were already uploaded and can be accessed in my earlier submission.)

4. The current FCC proceeding legally requires a NEPA assessment due to reports of injury traceable to RF/MW exposure occurring under existing guidelines, which establishing biologically-based RF safety limits would prevent. The description of this legal necessity for a NEPA follows: Under NEPA, "federal officials are required to assume the responsibility that the Congress recognized . . . as the obligation of all citizens: to incorporate the consideration of environmental factors into the [federal] decision-making process." *Env'tl. Def. Fund v. Tenn. Valley Auth.*, 468 F.2d 1164, 1174 (6th Cir. 1972). Officials comply with NEPA "primarily by [conducting] an [EIS] for any 'major Federal action significantly affecting the quality of the human environment.'" *Burkholder v. Peters*, 58 F. App'x 94, 96 (6th Cir. 2003) (quoting 42 U.S.C. § 4332(2)(C)). [Ref. - <http://www.ca6.uscourts.gov/opinions.pdf/10a0374p-06.pdf> Per No. 09-5761 Heartwood, Inc., et al. v. Agpaoa, et al. there is standing to challenge the current exposure guidelines because you have suffered an 'injury in fact' that is concrete and particularized; is actual or imminent; is traceable to wireless exposure; and that it is likely that this injury will be redressed by lower exposure guidelines.]

5. The Federal Communications Commission must include provisions for people with disabilities by law. Electromagnetic Sensitivity (EMS) was first recognized by U.S. federal law in 2002 by the U.S. Access Board, as a functional impairment disability covered by the Americans with Disabilities Act (ADA), as follows:

"The Board recognizes that multiple chemical sensitivities and electromagnetic sensitivities may be considered disabilities under the ADA if the so severely impair

6. At least 3% of the population has EMS, as cited in the 2005 "IEQ Indoor Environmental Quality" National Institute of Building Sciences report, which was supported by the Access Board.² I am one of the 3%. During the expansion of wireless radiation sources I developed severe EMS. Exposure to RF/MW continues to impair my sleep, joint and muscle functions, concentration/thinking and breathing. Due to impairment from RF emissions from various sources I must substantially limit time spent in places other people can go, such as school events, club meetings, etc. I cannot use public transportation due to WiFi and cell phones. These details (and others) regarding my impairment would satisfy the criteria for defining a disability, according to the ADA Amendment Act of 2008, Section 3. Definition of Disability.³

7. An important agency that officially recognizes the health risks of being exposed to electromagnetic fields is Health and Human Service on their web page about Shelter-in-place, medical emergency planning (webpage attached). Here is what they say:

"Stress the need to prepare for severe medical needs. Individuals and care facilities should collect supplies based on the greatest possible level of need. **Disaster conditions may trigger health reactions that are stronger than normal.** Smoke, dust, molds, gas leaks, diesel from idling rescue vehicles, flashing lights, **radio waves, electromagnetic fields (from generators, emergency lights, cellular phones, walkie-talkies), and airborne toxins may worsen disabilities related to medical needs.** Those with medical needs should prepare for more needs than they usually have. To do so, they should keep the following accessible at all times:

- **A health information card that explains sensitivities**, reactions, treatments that work, and treatments that are harmful..."

Clearly EMF and radio waves are not benign if they are listed as potentially irritating or noxious exposures for disabled people in emergencies.⁴

8. Any cost-benefit figures must include 9.5 million people's loss of daily function due to lack of biologically based RF exposure guidelines, the financial hardship for families from many doctor visits, medicines, supplements, the lack of ability to work and gain income, lack of ability to go places to purchase products or recreate. The sum total of mobility loss, employment loss, social connection loss, medical expenses and incalculable suffering would be nonexistent if only protective biological standards for wireless radiation limits were put in place. In short, FCC's lack of protective RF limits is ruining lives and costing families and society on numerous fronts, yet to be fully realized.

9. Reasonable accommodations for EMS, according to the U.S. Access Board in 2005, include turning off cell phones, turning off or unplugging computers and other electrical equipment, and turning off fluorescent lighting in the public buildings.⁵ Likewise, EMS people should be allowed to have non-transmitting analog utility meters on their homes and properties without penalties AT THE VERY LEAST. Additional accommodations for EMS would depend upon the location and situation. The FCC rules ought to include provisions for persons suffering this recognized impairment.

10. I hope the Commission will realize that because a product or device is legally made and sold does not mean it is safe for every person. Please compare this to peanut or latex allergy. Even small amounts of certain environmental agents are neither tolerable nor safe for some individuals.

11. The FCC is entrusted to adhere to existing federal laws in creating policies that affect the entire public. The federal ADA legally requires reasonable accommodation of people with disabilities, including EMS, as recognized by other governmental agencies/branches. Please pursue having a NEPA done by the EPA in light of this serious omission in current law, and addressing the needs of this disabled minority in any updates of RF/MW limits.

Thank you for your time and careful consideration of the FCC's responsibility to include all Americans in its policy plans, including the disabled and other vulnerable groups who need special consideration and protection.

Respectfully submitted,

Charyl Zehfus
N6158 N. 61st Street
Sheboygan, WI 53083
(920)467-4853

P.S. To help the Commission understand there is scientific and medical basis for getting the EPA to do a comprehensive environmental evaluation, please see the following sample of studies finding some people to have electromagnetic sensitivity and concluding that non-thermal radiofrequency and microwave (RF/MW) radiation exposures can have biological effects.

*Amy L. Dean, DO, FAAEM, DABEM, DAOBIM, President, American Academy of Environmental Medicine, Letter to Federal Communications Commission Commissioners, August 27, 2013, RE: ET Docket 13-84. "Founded in 1965 as a non-profit medical association, the AAEM is an international association of physicians and scientists who study and treat the effects of the environment on human health...In the last five years with the advent of wireless devices, there has been an exponential increase in the number of patients with radiofrequency induced disease and hypersensitivity..." (Letter attached)

*2012 BioInitiative Report contains over 1,800 scientific studies done in the previous five years showing biological effects of RF/MW (non-thermal), published by 29 highly respected health professionals from ten countries. The report concluded 'a growing number of people worldwide have serious and debilitating symptoms that are key to various types of EMF and RFR exposure. Of this there is little doubt.' <http://www.bioinitiative.org/conclusions/>

*David E. McCarty, Simona Carrubba, et al., "Electromagnetic Hypersensitivity: Evidence for a Novel Neurological Syndrome," *International Journal of Neuroscience*, December 2011, Vol. 121, No. 12, Pages 670-676. "The subject demonstrated statistically reliable somatic reactions in response to exposure to subliminal EMFs under conditions that reasonably excluded a causative role for psychological processes. *Conclusion:* EMF hypersensitivity can occur as a *bona fide* environmentally inducible neurological syndrome." <http://informahealthcare.com/doi/abs/10.3109/00207454.2011.608139>

*William J. Rea, MD, FACS, "Electromagnetic Field Sensitivity," 1991, *Journal of Bioelectricity*, 10(1&2, 241-256. "We concluded that this study gives strong evidence that electromagnetic field sensitivity exists, and can be elicited under environmentally controlled conditions." http://www.aehf.com/articles/em_sensitive.html

Endnotes:

1 Architectural and Transportation Barriers Compliance Board, "Americans With Disabilities Act (ADA) Accessibility Guidelines for Buildings and Facilities; Recreation Facilities." Federal Register, Vol. 67, No. 170, September 3, 2002, Rules and Regulations, pages 56352-56353. <http://www.gpo.gov/fdsys/pkg/FR-2002-09-03/html/02-21805.htm>

2 National Institute of Building Sciences (NIBS) with funding support from The Architectural and Transportation Barriers Compliance Board (Access Board), "IEQ Indoor Environmental Quality," 2005, page 4. (Document attached).

3 ADA Amendment Act of 2008, Sec. 3, Definition of Disability (Document attached).

4 Health and Human Service web page, Shelter-in-place, medical emergency planning (This document was not previously attached, so will be here)

5 National Institute of Building Sciences (NIBS) with funding support from The Architectural and Transportation Barriers Compliance Board (Access Board), "IEQ Indoor Environmental Quality," 2005, page 52. (Document attached).

Respectfully submitted by

Charyl Zehfus

N6158 N. 61st Street

Sheboygan, WI 53083

September 12, 2013

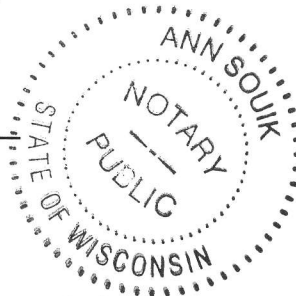
Charyl Zehfus

(your signature)

Sworn to before me

This 12 day of September (month) 2013

Ann Souik
Notary Public



10/9/10

Radiation Sickness; Annie Starr Comments, Sep. 4, 2013

(Submission 2 - 1st submission was missing some of this information)I am writing to tell you that the current rf radiation exposure limits are very high and should be completely lowered. I have been injured by rf radiation that complies with the current exposure limits. These limits do not right now account for biological needs and responses. Cell phone towers should not be put on private dwellings, hospitals or nursing homes, or schools. The landline switched telephone network must be maintained. Smart meters should not be mandated nationally. There is too much radiation being emitted.

I have been very ill from exposure to the cell phone antennas (base station) on my roof for many years. It changed my life and made me disabled in many ways especially making it hard if not impossible to participate in many activities where there are cell phone antennas, which is basically now almost everywhere, especially if they are directly on the roof of the building I may be in. I never used to have such a reaction. But after the base station and bars were put on my building I became more and more sensitive to these towers -- 1st on my own building where I had problems and reactions everytime I was at my home (which abated when I left home), and then noticing and responding to towers on many buildings around me where ever I was walking or going.

I also became sensitive to cell phones, many wireless products such as computers and also many electrical appliances.

When cell phone towers were turned on on my roof, we could immediately feel a magnetic pull, as if something was literally pulling or drawing us and it was toward the direction of one of the antennas on one side of the apt. We could feel also something emitting like waves of heat from the direction of the base station hut on the opposite side of the apt. We had to open all the windows thought it was a cold snowy winter night in December. We could feel many small shocks all over the body, and hear a high pitched frequency which never ceased. I think that when the tower was turned on that was initially when I became very injured from the immediate impact of such a high exposure suddenly which harmed my own human personal magnetic field. Gaus meters would show we were in the red zone on the meter all the time. Sometimes there were several frequencies and pitches overlapping. I was in extreme pain, suffered a seizure, and had female bleeding for many weeks. Those living with me also heard constantly an undercurrent of noise and high pitches. I had to seek refuge at a friend's house where I had to lie down for several days on the floor. I could not sit because the room would appear to spin and I felt I was turning incessantly. I felt everything was spinning as if there was no magnetic pole to hold on to. I held on to the legs of a chair in order to feel that I could hold on to something. I also felt as if I had been nuked - no other way to describe it exactly -- as if when one is out in the sun too long and gets some sun poisoning and is hot and nauseous-- except I had not been in the sun at all and this was in the middle of December winter. This is from too much emf exposure. I had to leave my home for several months. Burn marks on my skin near the pelvic area appeared and have continued and grown larger over many years. Being exposed for so many years to too much rf radiation often causes me to become dizzy, to lose my physical balance, to feel the room is spinning, sometimes to have to sit or lie down on the floor to make the spinning stop, often to feel nauseous, and

to be extremely hot on the skin. These are symptoms of radiation illness. It also interferes with sleeping. I am awakened by the noise from the antennas- the high pitches which are on sometimes much louder than other times. It interferes with my hearing much of the time. Blood pressure has gone up sky high, with heart palpitations and migraines. The frequencies especially affect the heart beat making it beat very fast. A pain in the back of the head near the occipital ridge often recurs with a feeling of a constant beat or pulse being very prominent for many years. In my home also all the pets suffered catastrophic illnesses with unusual and enlarged tumors of cancer from which they died.

The exposure of rf from the towers also made me become very sensitive to cell phones. I rarely ever used a cell phone. The first time I ever used a cell phone was in 1999 when I borrowed a phone to ask for directions and spoke one or two minutes. Afterwards I rarely used a cell phone nor did any of my colleagues. I have never owned a cell phone and never had any regular use at all of a cell phone. My symptoms did not come from a phone but from the antennas which sensitized me to the frequencies and to the phones. I cannot use a phone on my own ear and am sensitive to people using cell phones around me. I feel sharp burning pains when the phones are near me. It is very difficult to be where people always use cell phones, which at this point is almost everywhere, for example in public transportation, or religious meetings, theatres or almost anywhere that people gather, or in offices or classes. If someone holds a cell phone behind my head for example on a crowded bus I will feel burning pain -- like extreme hot fire in my head which will last for several hours. I rarely ever used a cell phone. In 1999 a friend had one and used it sparingly. I did not hear any high pitches or frequencies and did not have any responses to the phone. But I became more and more sensitive to them. I cannot use a cell phone for any long time. If I do use one even for a minute, I have immediate and long lasting reactions to it with burning in my ears and redness and burn marks on my skin and long term pain and interference with hearing. It is after the tower was placed on my building that I began to hear these frequencies and respond to them and with each passing year I became more and more sensitive to emf radiation because of the constant exposure in my home all around me. I have developed this sensitivity to cell phones, computers and many electrical appliances. This is electromagnetic hypersensitivity. I cannot use a cell phone for daily and or regular communication. There is at least 3% of the population who have the same difficulty. (about 10 million people). (That is those that are known).

It is hard to reveal these personal issues but it is paramount to inform you, those who would change the system of phones. I want to be able to communicate with people. If I have to use a cell phone I will not be able to communicate with others in any regular way. I want to be able to communicate and enjoy the freedom of our wonderful democracy here to choose the type of voice phone I need. It is of utmost importance to maintain the switched telephone network. I do not stop people from using their cell phones. Please do not stop me from using my land line.

Electro magnetic sensitivity makes it also very difficult to be near medical machines or in an ER facility. A medical protocol is needed for magnetic hypersensitive people using more analog machines and rooms where there are no cell phones or many wireless devices.

After all these years there still is no recognition of magnetic electrical sensitivity as a disability. It is necessary to train doctors who recognize radiation illness and sensitivity to emf and rf radiation. We also need radio free zones throughout the country.

RF radiation is very dangerous and is also affecting the pollinators - the bees and butterflies and other beneficial insects who are too sensitive to the frequencies, and radiation. These pollinators help our food chain. If we have no pollinators we will not have food. The radiation of the towers and constant increase of frequencies and all of the radiation we are being emmersed in from the towers, smart meters and wireless devices, is causing health problems and the endangerment of our food for the world!

This must be curtailed and a return to many analog devices be made. The wireless radiation is causing U.S. and worldwide, health problems, cancer, genetic changes in all life forms and contributing to the global warming and terrible weather conditions of storms.

Smart meters should not be made mandatory nationwide. Many people already are experiencing problems from them with so much radiation being placed directly on their homes. It makes appliances buzz and transfers the radiation through the wiring into the home. It has caused heart attacks. It has made people leave their homes. There have been many incidents where the meters arc electrically and cause fires and explosions. They are causing cancer and tumors.

Smart meters are also the nail in the coffin for the bees and other pollinators. The meters are emitting too much radiation and they cannot withstand it and are dying. We need our pollinators for food. The current radiation exposure limits are much too high and are affecting all life on this planet negatively. These limits must be completely lowered now. Thank you for your attention.

Radiation Sickness; Rob Bland Comments, Sep. 3, 2013

I am hypersensitivity to Wireless or RF, and with all the mounting evidence which indicates health issues from wireless sources I urge the FCC to do what's right reevaluate their standards which haven't be reviewed since 1996. Surly with the increase of electro-smog in our atmosphere, it's time to reexamine what should be allowed.

I have medical documentation which correlates to this health concern I've raised and will be pursuing litigation further in order to bring to light this gross injustice.

Regards,
Rob Bland

Radiation Sickness; Nancy Rose Gerler Comments, Sep. 3, 2013

Comments on Notice of Inquiry, ET Docket No. 13-84

To All This Does Concern

I am submitting this testimonial to request a close look at the damage that radiation over-exposure at current limits has caused me, and many others who already are categorized as electro-hyper-sensitive people. It has impacted every area of my life, and I am no longer able to have a normal life, where I can go anywhere in town. The over-assault of micro-wave radiation emitting devices currently at use in our culture is already at a literal state of over-kill. Like the proverbial canary in the coal mine, I feel the effects of this assault on our bodies, invisibly destroying cells down to the DNA. This “electro-smog” pollution poses a deadly threat to all.

Since the advent of commercial and residential microwave ovens that became present in the 1970's, I found I could not be in the same room as a microwave when turned on. I felt a strange sensation in my flesh, down to my bones that caused me to flee to safety outside, or in a garage – anywhere I could get away.

Flash forward to present day. The installation of the new wireless “Smart Meters” measuring electrical consumption began in my hometown and I began experiencing what I now recognize as classic symptoms of electro hypersensitivity:

1. Headaches of unknown origin, long duration, resistant to pain killers.
2. Ringing in the ears that increases in volume and pitch when I'm near cell towers, antennas, wireless routers. It is annoying and at times almost deafening when I've inadvertently had high exposure.
3. Insomnia, restless sleep, often as little as 3-4 hours at night.
4. Nausea, queasy nervous stomach, but little or no appetite.
5. Heart palpitations, rapid heart increase for no apparent reason, and no personal history of heart problems.
6. Neurological symptoms – muscle spasms, twitches, tremors, etc.
7. Anxious, agitated emotional affect for no reason or strong urge to flee location, especially if it's WI-FI, which is everywhere.

The list goes on and on.

I now know my often ill health was caused due to excessive exposure to microwave radiation due to the business location of my office in an epicenter of radiation. I was forced to vacate immediately when EMF and stetzer meters proved the office unsafe for me.

My life is now limited to the least exposure to the outside world. The multitude of “smart meters,” WIFI routers, cell towers and antennas, all other emitting systems and devices have made the life I loved, and city I love a nightmare for me. I struggle to maintain my health in a home that has been mitigated, at some expense to be safe for me.

Please look at the real science, not the pseudo-science backed by a self-serving industry. Reduce acceptable radiation levels and create EMF free zones.

Sincerely,

Nanci Rose Gerler

PS. I have been looking for a new place to live to escape the assault of EMF in this vicinity for several months, thus far to no avail. I must be away from towers and high tension wires by approximately four miles, and no wireless routers/wifi used nearby and no “smart meters” on the home or area. For me this literally a matter of survival.

Radiation Sickness; Monnie Ramsell Comments, Feb. 5, 2013

FCC 12-152

**Before the
Federal Communications Commission
Washington, D.C. 20554**

In the Matter of

Notice of Proposed Rulemaking
18 FCC Rcd 13187, 13188 ¶1 (2003)

And

Service Rules for the Advanced Wireless Services
H Block---Implementing Section 6401 of the
Middle Class Tax Relief and Job Creation Act of
2012 Related to the 1915-1920 MHz and
1995-2000 MHz Bands ¶53 footnote 95

ET Docket No. 03-137

WT Docket No. 12-357

To: Office of the Secretary
Federal Communications Commission
Washington, DC 20554

Comment Filed by: Monnie Ramsell
50 Bronco Drive
Sedona, AZ 86336
monnie@ramsell.net
928-282-6318

February 5, 2013

AFFIDAVIT OF

State of Arizona]

Yavapai County]

I, Monnie Ramsell, attest that my statements are true to the best of my knowledge.

Comment round for ET Docket No. 03-137 and WT Docket No. 12-357.

My name is Monnie Ramsell. My address is 50 Bronco Drive, Sedona, AZ 86336.

I am a business owner for over fifteen years and I have a Masters Degree in Business Administration. We were aware of the issues of EMF and RF when we had interference with our computer monitors in our offices when their location were within a few feet of any electric panel. There were flickering and distortions on the monitor screen from the radiation coming out of the electrical panel. We had to shield the electric panel. We had to take great care for the placement of computers and other sensitive electronics to minimize these interferences.

Personally I have also experience sensitivity in form of headaches, loss of words when using cordless phone or cell phone held against my head. My business phone is now a regular phone on the landline. I also experience headache when I am underneath a plasma screen. I have taken great precaution to minimize my exposure to EMF and RF. If EMF and RF's frequencies could play havoc to electronics, it certain had an effect on all living beings because we are electrical beings. Our brain activities, the firing or neurons and the beating of the heart valves are all electrical activities. Businesses spend lots of money to protect their data. We all know too well that solar flares or electromagnetic storms can affect satellite and cell phone. We know too well of static electricity can wipe out data from our computer hard drives. Our cells are very delicate and are affected by non-thermal low dose of RF and EMF similar to the sensitive data on

our hard drive. The frequencies of these RF signals are not conducive to life. The military knew all about it.

I have come across a letter written by Norbet Hankin, Radiation Protection Division of the United States Environmental Protection Agency replying to Janet Newton, President of The EMR Network on March 8, 2002. In the letter, Mr. Hankin addressed Ms. Newton's concerns about non-thermal effects of radiofrequency (RF) radiation and the adequacy of the Federal Communications Commission's RF radiation exposure guidelines. The Administrator had asked the EPA to critically examine issues of possible health risks, and Federal government's responsibility to protect human health.

In the letter to Ms. Newton, Mr. Hankin stated that the guidelines currently used by the FCC were adopted by the FCC in 1996. The guidelines were recommended by EPA, with certain reservations, in a letter to Thomas P. Stanley, Chief Engineer, Office of Engineering and Technology, Federal Communications Commissions, November 9, 1993, in response to the FCC's request for comments on their Notice of Proposed Rulemaking (NPRM), Guidelines for Evaluation the Environmental Effects of Radiofrequency Radiation.

The FCC's current exposure guidelines, as well as those of the Institute of Electrical and Electronics Engineers (IEEE) and the International Commission on Non-ionizing Radiation Protection, are thermally based, and do not apply to CHRONIC, NONTHERMAL exposure situations. They are believed to protect against injury that may be cause by ACUTE exposures that result in tissue heating or electric shock and burn. The hazard level (for frequencies generally at or greater than 3 MHz) is based on a specific absorption dose-rate, SAR associated with an effect that results from an increase in body temperature. The FCC's exposure guideline is considered protective of effects arising from a thermal mechanism but not from ALL POSSIBLE mechanisms. Therefore, the generalization by many that the guidelines protect human beings from harm by any or all mechanisms IS NOT JUSTIFIED.

These guidelines are based on findings of an adverse effect level of 4 watts per kilogram (W/kg) body weight. This SAR was observed in laboratory research involving acute exposures that elevated body temperature of animals including nonhuman primates. The exposure guidelines DID NOT CONSIDER information that addresses NONTHERMAL, PROLONGED exposures, i.e., from research showing effects with implications for possible adversity in situations involving chronic/prolonged, low-level (nonthermal) exposures. Relatively few chronic, low-level exposure studies of laboratory animals and epidemiological studies of human populations have been reported at the time the letter was written. Since then, there are reports that suggest that potentially adverse health effects, such as cancer, may occur. Since EPS's comments were submitted to the FCC in 1993, the number of studies reporting effects associated with both acute and chronic low-level exposure to RF radiation has increased.

The FCC does not claim that their exposure guidelines provide protection for exposures to which the 4 W/kg SAR basis does not apply, i.e. exposures below the 4W/kg threshold level that are chronic/prolonged and nonthermal. In fact, there have been many studies showing that low level exposure way below the FCC guidelines have detrimental effects. Level of nonthermal RF exposure way below the FCC guidelines have shown to damage the fetal brain, make cells leaky, adversely affect the heart rhythm, damage sperm, break DNA strands and damage DNA, increase glucose in the brain, affect our immune system, cause neurological damage, cause memory loss, etc. In fact, on May 31, 2011, the World Health Organization (WHO) had classified RF as Class 2B Carcinogen, same class as lead, asbestos, engine exhaust, DDT and Agent Orange.

The 4W/kg SAR, a whole-body average, time-average dose-rate, is used to derive dose-rate and exposure limits for situations involving RF radiation exposure of a person's entire body from a relatively remote radiation source. Most people's greatest exposures result from the use of personal communications devices that expose the head. In summary, the current exposure guidelines used by the FCC are based on the effects resulting from whole-body heating, not exposure of and effect on critical organs including the brain and the eyes. In addition, the maximum permitted local SAR limit of 1.6 @/kg for critical

organs of the body is related directly to the permitted whole body average SAR (0.08 W/kg), with no explanation given other than to limit heating.

Federal health and safety agencies have not yet developed policies concerning possible risk from long-term, nonthermal exposures. When developing exposing standards for other physical agents such as toxic substances, health risk uncertainties, with emphasis given to sensitive populations, are often considered. Young children in school with WiFi, the elderly, the sick are among this group of sensitive populations. And the latest assault is smart meters installed in every single home, schools and even hospitals. Incorporating information on exposure scenarios involving repeated short duration/nonthermal exposures that may continue over very long periods of time (years), with an exposed population that includes children, the elderly, pregnant women and people with various debilitating physical and medical conditions, is necessary in delineating appropriate protective exposure guidelines.

The FCC guidelines are outdated and not adequate to protect any public health and safety and needed to be revised as soon as possible.

Respectfully submitted by

Monnie Ramsell
50 Bronco Drive
Sedona, AZ 86336
February 5, 2013

Radiation Sickness; Miriam D. Weber Comments, Sept 3, 2013

Comments for FCC ET Docket No. 13-84 and ET Docket No. 03-137

1. My name is Miriam D Weber and my mailing address is PO Box 1161, Tucson, AZ 85702. I am a resident of Tucson, AZ.

I am a practicing physician and a licensed acupuncturist.

2. In 2011, The World Health Organization classified radio frequency radiation as a possible human carcinogen (Class 2B). Two years later, the US Institute of Health and the FCC and the FDA have yet to update their positions on the potential health effects of radio frequency radiation.

The 2012 BioInitiative Report is incorporated by reference herein in its entirety (<http://www.bioinitiative.org>)

3. I regularly deal with patients and community members who have become electrically hypersensitive, some of whom have been forced to radically alter their living and work spaces as well as their habits in order to avoid debilitating symptoms caused by exposure to radio frequency radiation emitted by utility meters and cell towers. The US Department of Education is actively promoting the extension of wireless enabled technologies into school classrooms, and the US Department of Energy is funding smart grid grants with the target of installing microwave emitting smart wireless utility meters on every building in the US by 2020. I am deeply concerned that there is no federal agency evaluating public health risks, or reports of harm, associated with an increasing environmental exposure to radio frequency radiation found in the workplace, in public spaces, in schools and in our homes.

Compliance with FCC radiofrequency radiation limits is often cited as an excuse to ignore evidence of harm by transmitting utility meters...etc and to force harmful exposure on people against their will. When Southwest Gas installed their radio frequency transmitting meter on my home in the summer of 2008, a year later I requested its removal and the reinstallation of the old meter. I asked for this because of the uncontrollable hypertension I experienced after the new radio frequency transmitting meter was installed. I was told by SW Gas that the FCC had determined that I would not be harmed by the operation of the new meter. Five years later, I am still dealing with uncontrolled hypertension as well as an array of other symptoms that are greatly aggravated when I spend more than a half hour in my kitchen, the room adjacent to the new meter.

The FCC is causing substantial harm to citizens by not updating RF exposure limits to biologically-based safety limits.

4. Due to an increased consumer demand, new wireless devices for personal use are rapidly multiplying, accompanied by greater signal strength, increased band width and higher levels of background radiation from a growing number of cell towers located in

urban settings. There are no human studies that assess the existence or nonexistence of potentially increased rates of morbidity and mortality that might be associated with this surge of ambient radio frequency radiation.

The current FCC guidelines regulate short-term exposure to radio frequency radiation and they do not take in to account actual real life exposure. This includes hours of cell phone use and the existence of many radio frequency transmitting towers in or very close to residential neighborhoods. When the FCC instituted its 1997 guidelines, the negative biological effect of radio frequency radiation was defined as a thermal-level exposure capable of causing burns and tissue heating. Since that time, an increasing number of studies show other harmful non-thermal biological effects caused by various levels of radio frequency radiation that are much lower than the current allowable levels.

“Public safety standards are 1,000 – 10,000 or more times higher than levels now commonly reported in mobile phone base station studies to cause bioeffects.”(<http://www.bioinitiative.org/conclusions/>

5. The FCC does not possess the expertise to set biologically-based radiofrequency radiation safety limits. EPA does. Therefore, the FCC should advocate that Congress direct the EPA to establish biologically-based radiofrequency radiation safety limits and provide the budget and resources to carry out that task.

The FCC has a duty under *Scenic Hudson v. Federal Power Commission* to create a complete record and to consider seriously public comments in order to fulfill its obligation to represent the public interest. The FCC should make a direct request to the EPA to use its taxpayer-funded resources and experts present at its National Risk Management Research Laboratory to conduct all of the cost analyses it has asked for in this proceeding.

This proceeding requires a NEPA assessment due to reports of injury traceable to radiofrequency exposure under existing guidelines, which establishing biologically-based RF safety limits would prevent. Under NEPA, “federal officials are required to assume the responsibility that the Congress recognized . . . as the obligation of all citizens: to incorporate the consideration of environmental factors into the [federal] decision-making process.” *Env'tl. Def. Fund v. Tenn. Valley Auth.*, 468 F.2d 1164, 1174 (6th Cir. 1972). Officials comply with NEPA “primarily by [conducting] an [EIS] for any ‘major Federal action significantly affecting the quality of the human environment.’” *Burkholder v. Peters*, 58 F. App’x 94, 96 (6th Cir. 2003) (quoting 42 U.S.C. § 4332(2)(C)). [Ref. - <http://www.ca6.uscourts.gov/opinions.pdf/10a0374p-06.pdf> Per No. 09-5761 *Heartwood, Inc., et al. v. Agpaoa, et al.* there is standing to challenge the current exposure guidelines because you have suffered an 'injury in fact' that is concrete and particularized; is actual or imminent; is traceable to wireless exposure; and that it is likely that this injury will be redressed by lower exposure guidelines.]

6. US citizens and tax payers deserve radiofrequency radiation safety limits based on

biology, not physics. In order for the FCC to fulfill its Congressional mandate to protect the public health and safety from harm from radiofrequency radiation, it must update its RF safety regulations. "In the Telecom Act of 1996 Congress directed the FCC to set its own RF safety regulations for emissions from Personal Wireless Services Facilities (PWSF). The House Committee on Commerce said it was the Commission's responsibility to adopt uniform RF regulations "with adequate safeguards of the public health and safety." (H.R. Report No. 104-204, p. 94)

In conclusion, a moratorium should be placed on sales of new spectrum, transmitting utility meter installation and installation of additional base stations for wireless service while biologically-based safety limits are being developed.

September 3, 2013
Miriam D Weber, NMD, L.Ac
Tucson, AZ

Radiation Sickness; Junghie Elky Comments, Sep. 3, 2013

Comments on Notice of Inquiry, ET Docket No. 13-84

The current RFR exposure limits have impacted my well-being and caused me to experience health problems. I have had the experience of electro-sensitivity, which is basically being “allergic” to electromagnetic fields (EMFs) and man-made radio waves, with symptoms including dizziness, headaches, pains, including ear aches, and, most notably, fatigue, by being near them. I remember quite distinctly getting a headache in the back of my skull that lasted for many hours, even lingering until the next day, when my children were communicating wirelessly with each other on their Nintendo DSes in the car while I was driving. The head tightening came on when they started playing. I noticed the same headache when my daughter came walking in my direction while talking on the cell phone. I was not even aware she was on the cell phone (I was in a bedroom, when she came walking down the hallway). I used to sleep with a portable phone next to my bed, but I would invariably wake up when my muscles on the top of my head would twitch and have spasms in the direction of the phone. My hand would have a shooting pain when even touching a cell phone. We used to have something plugged into our wireless router that would boost the wireless signal through our wiring. I felt sick and awful just to be inside the house without knowing why, until finally, I found out, through my husband, about this technology and unhooked it. Immediately, I felt better and could at least stand to be in my house. Being under fluorescent tubing would make feel dizzy and fatigued. These are just a couple of examples of how radio frequencies had adversely affected me at a time when I was especially sensitive.

Thankfully, I have since recovered from electrosensitivity (for the most part at least; when I get too tired and am around computers or cell phones, for example, I notice some of the same symptoms of dizziness start. When turning on a cell phone, I sometimes feel like a strong magnetic pull/dizziness toward the direction of the phone).

I believe my exhaustion from constant overwork weakened and made me susceptible. While I am much better now, after having avoided or reduced my exposure to EMFs and man-made radio frequencies and doing a variety of holistic therapies to make me stronger, I know that exposure to man-made radio frequencies can be harmful to those who are susceptible. These include people who may not have the strongest constitutions and/or who may have become fatigued through too much stress or overwork/lack of sleep, combined with too much exposure to EMFs and radiofrequency, such as through their occupations. There are many well-documented cases in books and articles of electrosensitivity in people and probably a lot of undocumented cases. These are people from all walks of life and include those in “respectable” professions, such as doctors, nurses, engineers, and artists. They/we are not crazy or imagining our symptoms and know that radio frequencies can and do harm, especially through excessive exposure. Anyone who has had electrosensitivity knows what it’s like and knows it is a very real, unmistakable experience of essentially being hypersensitive to EMFs and man-made radio frequencies. There are objective studies that show clear, convincing cause-and-effect relationship between man-made radiofrequency radiation exposure and health problems, such as cardiac arrhythmias.

I think it is exceptionally important now to reduce human (and wildlife) exposure to man-made radio frequencies, as never before has the planet experienced such levels of unnatural radiation—our bodies are now swimming in a sea of unnatural frequencies. The younger the body, the more

exposed they are. It is really alarming to think how much unnatural radiation our children are and will be exposed to in their lifetime. It is unprecedented and, basically, a big science experiment to see the long-term effects with our children as the guinea pigs. Thus, for future generations, we must reduce radiofrequency radiation exposure now.

Thank you for this opportunity to comment.

Radiation Sickness; ADA/FHA; Catherine Kleiber Comments, Aug. 30, 2013

FCC 13-39**Before the
Federal Communications Commission
Washington, D.C. 20554**

In the Matter of	)	
	)	
Reassessment of Federal Communications	)	ET Docket No. 13-84
Commission Radiofrequency Exposure Limits and	)	
Policies	)	
	)	
Proposed Changes in the Commission's Rules	)	ET Docket No. 03-137
Regarding Human Exposure to Radiofrequency	)	
Electromagnetic Fields	)	
	)	

To: Office of the Secretary
Federal Communications Commission
Washington, DC 20554

Comment Filed by: Catherine Kleiber
N9387 Riverview Dr.
Waterloo, WI 53594
kleiber@gdinet.com
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August 30, 2013

AFFIDAVIT OF CATHERINE KLEIBER

State of Wisconsin]
] ss.
County of Jefferson]

CATHERINE KLEIBER being duly sworn deposes and says:

1. My name is Catherine Kleiber. I live in the country at N9387 Riverview Drive, Waterloo, Wisconsin.
2. My husband and I have lived on our farm in Waterloo, Wisconsin since 1996.
3. The existing FCC radiofrequency radiation limits are too high to protect human health. The limits need to be lowered immediately. New safety limits should be enacted using a biologically-based model.
4. I categorically disagree with the FCC's statement in paragraphs 8 and 9 and footnote 10 that a NEPA evaluation is unnecessary and premature. The FCC fails to consider that there are actually two options needing evaluation - the considerable environmental and human health costs of doing nothing and the environmental and human health benefits of basing safety limits on biology, along with the monetary costs of both. This is a situation that calls for NEPA review, *Envtl. Def. Fund v. Tenn. Valley Auth.*, 468 F.2d 1164, 1174 (6th Cir. 1972), specifically a formal Environmental Impact Statement (EIS) . My experience alone, outlined below, provides the evidence of injury under existing inadequate radiofrequency (RF) limits, causality, along with the potential for remedy with the enactment of meaningful biologically-based RF safety limits that, indeed, necessitates a full NEPA evaluation of the options - keeping RF limits at thermal levels or setting meaningful biologically-based RF safety limits.
5. The NEPA evaluation and EIS are necessitated by the presence of two options which have the potential to have radically different impacts *Burkholder v. Peters*, 58 F. App'x 94, 96 (6th Cir. 2003) (quoting 42 U.S.C. § 4332(2)(C)). The EIS should include a review of the impact of both options on the environment, as well as on human health and safety. "The Report on Possible Impacts of Communication Towers on Wildlife Including Birds and Bees" commissioned on 30th August, 2010 by the Ministry of Environment and Forest, Government of India (incorporated by reference herein in its entirety http://www.moef.nic.in/downloads/public-information/final_mobile_towers_report.pdf) and "Impacts of radio-frequency electromagnetic field (RF-EMF) from cell phone towers and wireless devices on biosystem and ecosystem – a review," (incorporated by reference herein in its entirety http://www.biolmedonline.com/Articles/Vol4_4_2012/Vol4_4_202-216_BM-8.pdf) both provide enough compelling evidence of potential environmental harm at existing RF

limits to necessitate an EIS evaluating existing limits compared to biologically-based RF safety limits.

6. On September 1, 2012, in response to the evidence contained in the “Report on Possible Impacts of Communication Towers on Wildlife Including Birds and Bees,” India dropped its maximum transmission limits to one tenth of its previous limits, already lower than U.S. permissible limits, and placed a moratorium on installation of antennas within 1 km of each other. India continues work on a more final rule. This shows that the substance of the report is indeed compelling.
7. The FCC has a duty to the public to protect the public health and safety from harm from radiofrequency radiation (H.R. Report No. 104-204, p. 94).
8. In May 2011, IARC classified radiofrequency radiation, including radiation from all wireless technologies, as a class 2B possible carcinogen.
9. In the 2012 BioInitiative Report, the authors conclude radiofrequency radiation is a carcinogen. One mechanism responsible for the carcinogenic effect of radiofrequency radiation is its ability to initiate the Fenton Reaction, just as ionizing radiation does. The 2012 BioInitiative Report is incorporated by reference herein in its entirety (<http://www.bioinitiative.org/>)
10. The FCC radiofrequency radiation limits are outdated and obsolete. They are based on physics, not biology and, therefore, the limits are so high that they are useless for protecting the population from harmful biological effects. “*Public safety standards are 1,000 – 10,000 or more times higher than levels now commonly reported in mobile phone base station studies to cause bioeffects.*” (<http://www.bioinitiative.org/conclusions/>)
11. Since the FCC lacks the expertise to establish meaningful biologically-based safety limits, it is the duty of the FCC to advocate for allocating funding and authority to the EPA to establish biologically-based safety limits. 2012 HR6358 exists as a model of legislation to do just that.
12. The FCC is not entitled to essentially disregard comments from citizens because they cannot provide global cost-benefit analysis (*Scenic Hudson v. Federal Power Commission*), as is suggested by paragraphs 109 and 209. The Commission has an affirmative duty to inquire into and consider all relevant facts. They must use government resources to perform the relevant analysis. The FCC should request that the EPA use its taxpayer-funded resources and experts present at its National Risk Management Research Laboratory to conduct all of the cost analyses the FCC has asked for in this proceeding.
13. In paragraphs 66, 67, and 68, I provide information about the monetary costs incurred by me and my family as a direct result of the FCC's negligence in not putting into place biologically-based RF safety limits years ago. The emotional and social costs

have also been very steep. None of the common uses of wireless technology comes close to justifying the monetary, physical, emotional, and social price our family has been forced to pay for it.

14. My family's on-going health nightmare, caused by the presence of biologically active levels of radiofrequencies on the electrical grid and radiofrequency radiation transmitted into the environment through use of wireless technology, is illustrative of why it is essential that the EPA finally be empowered to establish biologically-based radiofrequency radiation safety limits.
15. I have radiowave sickness. (See Dodge, incorporated by reference herein in its entirety http://www.magdahavas.com/wordpress/wp-content/uploads/2010/08/Dodge_1969.pdf) It was originally misdiagnosed as chronic fatigue syndrome. However, once I found out I was being exposed to large amounts of high frequencies from electrical pollution, including "dirty" power on my wires and plumbing, and reduced that exposure as much as I was able, I began to recover almost immediately.
16. Here is a brief summary of symptoms I experienced during my high frequency related illness: heart palpitations, very pain sensitive, constant nerve pain, sluggish reactions, poor depth perception, muscle weakness, lactic acid buildup with little exertion, unrefreshing sleep, often wakeful in the night, fatigue, night sweats, poor circulation to my extremities, reflux, difficulty concentrating, difficulty thinking, inability to make decisions, low-grade fever and chills, headaches, and a dry sore throat.
17. We have reduced our exposure as much as possible. I was well at home until smart meters on our neighbors' homes, power line communications frequencies, and 4G cell service increased our exposure enough that I began once again to experience symptoms even while in our home. We have taken additional steps to reduce our exposure to the pulse modulated microwave radiation used in wireless technology and high frequency power line communication signals.
18. I get sick again whenever I am around higher levels of high frequencies such as when I go into town. The degree of sickness and the exact symptoms vary depending on the duration and strength of the exposure, as well as the particular frequencies to which I am exposed.
19. The ambient levels of pulsed microwave radiation are now so high that I can no longer even try to go to friends' and relatives' homes, restaurants, movies, public events, or "shopping" - in the event I have to go into a store I try to arrange ahead for the item I need to be ready for me or I go in quickly, ask for assistance finding the item, buy it and leave.
20. I have had serious radiation sickness reactions to these polluted environments including cardiac arrhythmias, cognitive difficulties, short and long-term memory problems, severe neurological pain, hair loss and serious gastrointestinal effects if I try to stay longer. (See "Provocation study using heart rate variability shows

microwave radiation from 2.4 GHz cordless phone affects autonomic nervous system,” incorporated by reference herein in its entirety http://electromagnetichealth.org/wp-content/uploads/2010/10/Havas_HRV_Ramazzini1.pdf)

21. One meeting, where cellphones and wifi were present, followed by what should have been a quick trip to an office supply store, which had gotten a wireless telephone headset system since my last visit, caused serious radiation poisoning symptoms. I had cardiac arrhythmias from the radiofrequency radiation at both locations. Nerve pain began toward the end of the meeting and grew worse at the store and was so bad by the time I got home that I had to limit how my children could touch me for a couple of days. Serious gastrointestinal pain and dysfunction resulting in massive diarrhea began very shortly after arriving home and finally began to subside 3 days later. The pain and diarrhea were so severe with food that I had to quit eating for a couple of days while my intestine healed. The symptoms began at the meeting and quickly escalated while I waited nearly twenty minutes for service at the store and persisted for over 3 days. The association between the exposure and the symptoms was very clear. I consumed no food at the meeting or at the store. I had no symptoms of a bacterial/viral infection.
22. We have two small children whom we are homeschooling so they will not be exposed to dangerous high frequency environment in our local public school (Waterloo, WI). The school has both WiFi and high electrical pollution levels.
23. Our children both experience health problems when exposed to high frequencies. They feel sick, become hyperactive, less able to think logically and control their behavior. They also sleep poorly in bad high frequency environments. The recent increase in radiofrequency radiation exposure has given them chronic cardiac arrhythmias which worsen markedly when they are exposed to the higher levels of pulsed microwave radiation common in society within the last couple of years. (Video demonstrates finding of cardiac arrhythmia caused by DECT phones - http://www.youtube.com/watch?v=p-mw_nCJWs4&list=UUxs1UgZ6DivWUfG1dX3TELw&index=10)
24. The drastic measures we have taken to reduce their exposure has momentarily stabilized them at about early stage 2 radiofrequency sickness. (See Dodge) We are very concerned that any increase in the radiofrequency radiation levels could again push them over the edge toward stage 3 radiofrequency sickness. They should not be involuntarily exposed to a pollutant that has such profound detrimental effects on them.
25. I have maintained the website www.electricalpollution.com since 2002, shortly after I discovered that the high frequencies present on building wiring and flowing across the ground from non-linear time varying loads were making me, and others, sick. Research on the health effects of electrical pollution is available on the website on the Research Page. More technical information is available on the Technical Page.

Electrical pollution is a very potent form of exposure to high frequencies. Exposure to all forms of high frequencies, including electrical pollution, must be included in standards regulating exposure of the general public to protect the public health during continuous exposure.

26. Because of the serious effects exposure to high frequencies has on our health, we do not own a cellphone, cordless phones, wireless router, baby monitors, or subscribe to wireless internet.
27. I have read widely on the research into the health effects of exposure to high frequencies. I believe that the increased exposure to high frequencies from radiowave and microwave transmitters and from electrical pollution are behind the public health crisis that has dramatically increased utilization of our medical system for chronic conditions. The article by Halberg and Johansson in *Pathophysiology*¹ supports this contention. The comprehensive review by Dr. Cherry, which documents health effects and explores mechanisms, besides thermal mechanisms, through which microwave and radiowave radiation can impact health, also supports my contention that exposure to microwave and radiowave radiation is a public health threat which is probably contributing to significant public illness. A review of the Soviet literature on radiofrequency sickness by Christopher Dodge³ of the Naval Observatory discusses radiofrequency sickness in detail. The symptoms attributed to chronic exposure to radiofrequency radiation mirror the deterioration of health being seen in the U.S. in recent years, probably due to the dramatic increase in exposure to radiofrequencies from electrical pollution and wireless technology. Papers by Dr. Milham⁴, Dr. Havas^{5,6,7} and Dr. Wertheimer⁸ also show that exposure to electrical pollution constitutes a public health threat, as does a report by Char Sbraggia regarding health improvements experienced by teachers and students when the electrical pollution in their school was cleaned up (MelMinNurse.pdf). These are just a few of the papers I have read. However, they provide a picture which should illustrate the need for precautionary action to halt the expansion of public exposure to high frequencies until safety standards can be established to prevent health problems in the general population during continuous exposures to high frequencies, taking into account all sources of exposure.

1. Ö. Hallberg, O. Johansson, Apparent decreases in Swedish public health indicators after 1997 — Are they due to improved diagnostics or to environmental factors? *Pathophysiology* (2009)
2. Cherry, N. 2000 Criticism of the Health Assessment in the ICNIRP Guidelines for Radiofrequency and Microwave Radiation (100 kHz- 300 GHz)
3. Dodge C. Clinical and Hygienic Aspects of Exposure to Electromagnetic Fields. Biological Effects and Health Implications of Microwave Radiation, Symposium Proceedings, Richmond, Virginia, September 17-19, 1969.
4. Milham S, Morgan L. 2008 A New Electromagnetic Exposure Metric: High Frequency Voltage Transients Associated With Increased Cancer Incidence in Teachers in a California School. *American Journal of Industrial Medicine*.
5. Havas M, Olstad A. 2008. Power quality affects teacher wellbeing and student behavior in three Minnesota Schools, *Science of the Total Environment*, July.

6. Havas M. 2006. Electromagnetic hypersensitivity: biological effects of dirty electricity with emphasis on diabetes and multiple sclerosis. *Electromagnetic Biology Medicine* 25(4): 259-68.
 7. Havas M. 2008. Dirty Electricity Elevates Blood Sugar Among Electrically Sensitive Diabetics and May Explain Brittle Diabetes. *Electromagnetic Biology and Medicine*, 27:135-146.
 8. Wertheimer N, Savitz DA, Leeper E. 1995 Childhood Cancer in Relation to Indicators of Magnetic Fields from Ground Current Sources *Bioelectromagnetics* 16: 86-96.
28. I knew that an increase in levels of transmitted radiofrequency and microwave radiation would be very detrimental to my health and that of my family and would further impair our ability to live a normal life.
29. Therefore, we refused installation of the We Energies AMR meters, which transmits a spike of microwave radiation (approximately 1800 $\mu\text{W}/\text{m}^2$) every 6 seconds 24 hours a day, 7 days a week, on our two electrical services.
30. I asked for reasonable accommodation under the ADA because I knew that my children and I experience environmentally induced functional impairment with exposure to radiofrequency radiation, including the pulsed modulated microwave radiation utilized by the We Energies AMR meters.
31. My initial request was denied verbally by the PSC and in writing by We Energies.
32. We had to turn away at least one installer who came to install meters after we were on the record with We Energies and the PSC as not wanting an AMR meter installed.
33. We were concerned that we would find AMR meters installed despite our clearly expressed refusal to have AMR meters, so we padlocked our meter pedestals and installed clearly worded permanent signage.
34. In response to our continued refusal to allow installation of the meter, we were threatened with disconnection. (See WeEnergies9Dec2011.pdf)
35. My mother and father-in-law tried to refuse to take a transmitting meter so we would still be able to visit and were bullied into taking the meters by a disconnect threat. We can no longer visit. Our one try was cut short by our younger son feeling so ill that he was crying and begging to leave - in spite of it being Christmas with relatives, presents, and candy.
36. Both We Energies and the PSC maintained, over the phone and at the meeting with the legislators, that we had three choices and represented them as accommodation.
1. Take the AMR meters.
 2. Take the AMR meters and move them anywhere on our property at our considerable expense (thousands of dollars to move them even short distances).

3. Get off-grid.

37. We do not consider these choices to have been any form of accommodation since we could not have moved the meters far enough to protect our health. Also, the radiofrequencies the meters produce get on the wires, essentially turning the house into a low-power microwave. This proved to be a problem even though our nearest neighbor is over half a mile away. Having two meters of our own would have worsened the effect.
38. We consider the refusal to accommodate us and the threat to disconnect us to have been bullying and intimidation on the part of We Energies and the Wisconsin Public Service Commission.
39. A group of us met with state legislators (Sen. Grothman, Rep. Jorgensen, and Connie Schulze, a staff-member of Sen. Darling's, who were supportive, but unwilling to sponsor legislation to help us.
40. I called numerous federal agencies - to no avail.
41. In March 2011, we received a letter from We Energies threatening to disconnect us within 48 hours for denying them access to the meter pedestal, which we own. This, in spite of the fact that, during a conversation about the supposed safety issue and the fact that We Energies can easily disconnect power to our farm at our transformer in case of an emergency, Tom Held (Supervising Engineer Meter Technology) concurred saying "I know. They can pull the fuse."
42. We had been customers in good standing.
43. Again we appealed to the PSC for accommodation under the ADA (PSCMarch2011WEcutoff.pdf) and asked that they address the radiation coming off of our transformer and causing cardiac arrhythmia for our son, only to be told that they would stand by and watch us disconnected, although they would make We Energies wait until after April 15. They did not address the dangerous radiation at all.
44. After consulting multiple lawyers, realizing that the sole power to provide or deny accommodation resided with the PSC, and even being told outright by one lawyer that our best bet was to get off the grid, we began making preparations -at considerable expense- in case we were forced off-grid, fighting all the while.
45. We got a propane refrigerator, a pilot light gas stove, installed a gravity flow hot water heating system, acquired a generator to run our commercial freezer and installed a solar photovoltaic system to run a new DC well pump and sump pumps and converted our computer to run on DC.
46. We felt that the PSC was in violation of its own statutes in standing by and watching customers in good standing get disconnected and that We Energies was in violation of

the law, but with no one to defend us, we had no recourse other than the one easily accessible public forum - a Letter to the Editor. (We had contacted various legal organizations including the ACLU, Public Citizen, Common Cause, and NRDC. All said that they have limited funding and they had never heard of this before. News outlets were similarly uninterested - utilities and telecom companies provide substantial funding through advertising or outright ownership.) We did also reply to the PSC.

47. The PSC once again refused to exercise their right to stop We Energies from disconnecting us for refusing the transmitting meter.
48. The PSC refused to accommodate us in large part because the AMR meters were supposedly in compliance with FCC radiofrequency limits (see PSC27Apr2011reDATCP.pdf), in spite of the fact that FCC limits were never intended to protect anyone from the biological effects we experience. Compliance with FCC limits has been used to force many many people from across the country to have devices which compromise their health.
49. After we wrote the letter to the editor, Sue Crane, Manager Special Projects at We Energies contacted us and asked that we remove the padlock stating that she would personally guarantee in writing that the meters would not be changed for 6 months.
50. On October 8, 2011, we sent letters to the PSC and We Energies requesting that they remove our electrical service since they had repeatedly ignored our requests to address the problems on their system that were causing large amounts of very high frequency radiation to radiate off of our transformer and our house wiring.
51. We had been forced to sleep in a tent a half mile from our home site (and at least that from other electrical services) from the end of July through October 13, 2011 - the start of early deer hunting season - in order to stabilize our sons' cardiac health. (From the start of deer hunting until the secondary wires were removed on October 19, 2011 we slept in the bed of our full-sized truck parked in our metal machine shed with the openings facing the transformer electrically shielded and the bed opening away from the transformer. The electrical service to the shed was already disconnected thus preventing it from conducting the radiofrequencies in.)
52. Both sons were affected, although our younger son was affected more severely. After initial tachycardia incidents which we became aware of in the fall of 2010, they moved on to irregular heartbeat and heart rate which finally got quite slow and irregular, particularly during sleep. Additionally, Holter monitoring found that both boys had sinus arrhythmia. This is consistent with the descriptions of stages one and two of radiofrequency sickness in Dodge (attached). On a Holter monitor, our younger son only had a high of 242 bradycardia incidents hourly at the tent versus 1637 hourly at home. Our older son had a high of 165 bradycardia incidents hourly at home with no comparable due to a mistake on the part of the hospital. Our younger son's heart rate got so slow one night when we were forced by broken tent poles to

sleep at home that he lost bladder control, wetting only his underwear because the volume of urine was so small. When I went to him in response to his call, he was agitated and upset, but his heart rate was very slow and the beats were weak and irregular. This continued for a couple of hours. We did not sleep in the house again after that until after the secondary lines were removed.

53. The deterioration in our health began shortly after the smart meters were installed in our area. Strong power line communication signals (likely related to broadband over power lines) in the 12.4 to 13.2 MHz and 25.5 to 26.3 MHz range along with communication signals radiating from our end of the line transformer and our home wiring seem to have been the final straw.
54. Signals in the 1 MHz to 80 MHz range used for broadband over power lines and communication signals are not supposed to cross the transformer. However, what happens when the signal hits the end of the line has not been considered as far as I know. Our experience suggests that it radiates and does cross the transformer enough to radiate off of the wiring and plumbing throughout the house at biologically-harmful levels.
55. We are now off-grid to protect our family's health.
56. After going completely off-grid, I had three heavenly weeks. I slept well, felt well, and had lots of energy. Our pets' health improved. Most importantly, our sons' cardiac rhythms had almost completely normalized and I was not awakened in the night.
57. Then, in early January 2012, 4G cellphone service was installed in our area. Within a week, our sons' cardiac rhythms were again highly irregular. Our younger son was again waking us in the night crying, sweating profusely, and feeling unwell with a highly irregular cardiac rhythm. He was also clingy and fussy during the day.
58. My husband screened all the windows with aluminum screen to reduce his exposure. Again, he slept through the night and was less clingy, but their cardiac rhythms remained irregular.
59. We are currently essentially housebound, unable to spend significant time in houses or businesses which have transmitting meters, which includes almost every electrical service in our area.
60. Due to the detrimental health effects that we experience, we are unable to visit friends and relatives who have transmitting meters.
61. We cannot completely escape the constant exposure from neighbors transmitting utility meters, 4G cellphones, and the power line frequencies which still radiate from the junction box down the road that terminates the line.

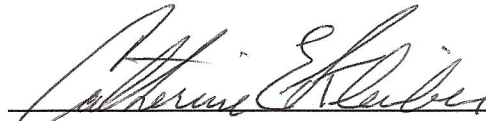
62. As 2012 passed, we had to do more and more shielding to compensate for the ever increasing levels of radiation from wireless technology. We have had to restrict the amount of time our outdoors-loving sons can be outside. They are now only able to be out an hour a day. If they are out more than that with any regularity their cardiac arrhythmias become severe enough that they become clingy and we are awakened in the night.
63. I have not been able to do all the animal care, yard care, and gardening that I need to do in the course of the year. The garden is overgrown. I have not even been able to keep the few potatoes I planted weed-free. Obviously, I cannot fit duties that usually took me 6-8 hours daily into the one hour they can be outside without triggering more serious cardiac arrhythmias. I have trouble performing the physical labor I always have and must do to earn our living since my heart often does not beating efficiently, due to the radiofrequency radiation levels.
64. Radiofrequency radiation levels have climbed high enough that even being inside most of the time is not protective enough to keep our sons from being symptomatic. We have had to begin shielding further. Every little bit helps for awhile, then more people use their phones more, stream video more, etc and the levels increase further and we have to shield some more. How long before radiofrequency radiation levels climb high enough that being outside at all is dangerous? What happens when we have shielded the whole house and even so being inside does not offer enough protection? Who could take care of and protect my boys if anything happened to me and my husband?
65. I worry that I will run out of shielding options to protect my sons before meaningful biologically-based safety limits put an end to the insane increases in radiation exposure occurring rapidly now as usage of wireless technology increases. Radiofrequency sickness is serious and is life-threatening if it is not able to be properly treated by avoidance once it occurs.
66. The meters necessary to verify RF related problems cost over \$1,500. Going off-grid, which was necessary to protect the lives of our sons, cost us over \$70,000 dollars based on simple addition of the costs of all the separate parts and steps necessary to make that happen. The cost was that low because we were able to do much of the work ourselves. The solar installer estimated that the system we wished to put in at that time would cost us over \$80,000 just for the solar system, not including the new heating system, refrigerator, well-pump, super-insulating the freezer, freezer generator, freezer/generator control switches, etc.
67. Shielding materials have cost us over \$2,500 so far, also based on simple addition, and are likely to cost us at least \$4,000 more just for the shielding materials, also based on simple addition. It has cost over \$7,000 to get new windows for the low E coating which helps block RF, again far less than most people would pay because we can install them. I cannot stress enough that these are only the monetary costs and do not include the physical, emotional, and social price our family has been forced to pay

for the FCC's negligence in not implementing biologically-based safety limits. We are not wealthy and do not earn vast sums each year so it is a real question as to how long we can continue to pay for the continuous upgrades necessary to protect our family's health, yet how can we not? But, if we lose the farm doing it, what will happen to us?

68. FCC negligence in not establishing meaningful RF safety limits has caused us to pay more for my health insurance and therefore our sons' health insurance. The CFS diagnosis, which was really radiofrequency sickness from exposure to dirty power, caused me to become an automatic reject for health insurance. I was fortunate to be able to get health insurance through the Wisconsin Health Insurance Risk Sharing Plan (HIRSP), however even with the subsidy it was quite a bit more expensive than insurance I could have gotten as a healthy young woman. We had to have HIRSP policies for our sons as well, not due to their health which was great prior to the RF toxicity problems outlined above, but because you cannot insure children without at least one adult as primary on the policy. As an example of the great expense this caused us, the insurance quote we got in 2012, necessary to re-apply to HIRSP, for the whole family was \$713.54/month. The premium for my insurance alone through HIRSP at that same time for the same \$1.000 deductible was \$729/month. HIRSP premiums at that same time and deductible level were \$554/month for Dan and \$387/month for each of the boys. Up until the 2008 flood and policy changes allowed us to qualify for health insurance assistance we were paying similar large monthly premiums. Thus, FCC negligence, resulting in the absence of biologically-based RF safety limits and my CFS diagnosis, forced our family to pay significantly more for health insurance than we would otherwise have had to.
69. It is important to stress our experience has been that people with radiofrequency sickness react to both RF exposures from wireless technology and "dirty" electricity.
70. The FCC is jeopardizing the health and lives of our children, and millions of others across the country, by not having meaningful biologically-based safety limits for radiofrequency radiation.
71. Not only is the absence of biologically-based RF safety limits in violation of common sense and the principles of public health protection, but the promotion of wireless technology, a technology that so severely restricts the activities of a portion of the population, violates the ADA, including the 2008 ADA amendments. The physical, social, and emotional costs of exclusion in spite of ADA protections and previous inclusion must be weighed in the EIS when it compares costs and benefits of the existing RF limits and enacting biologically-based RF safety limits.
72. We do not want to continue to be guinea pigs for the government-sanctioned rollout of new technologies with insufficient safety standards. We do not want to continue to be part of the experiment being involuntarily carried out on the American people verifying the results of decades old research showing that the long-term health effects of these wireless signals can be profound and dangerous. (See Dodge)

73. The levels of radiation our family experiences on a daily basis from transmitting utility meters, wireless broadband, cellphones, cell towers, and other sources, - WITHOUT OUR PERMISSION - is already causing serious daily health problems for us.
74. Without conservative safety standards designed to protect the public health of our entire population during continuous exposures from all detrimental health effects and the rigorous enforcement of such standards, we fear the long-term hazards to our family's health.
75. We have a right to be safe in our homes and our schools and workplaces, and we have a right to current safety standards based on current science, not mistaken assumptions (the thermal model) and wishful thinking.
76. The existing FCC radiofrequency radiation exposure limits are way too high. Severe biological effects occur at far lower levels, as demonstrated by my family's experience, as well as in studies. If the FCC persists in ignoring this fact and does not adopt biologically-based radiofrequency radiation safety limits, it will be directly responsible for the ill health, even death, of millions of people. (See the 2012 BioInitiative Report - <http://www.bioinitiative.org/> - for mechanisms and diseases for which links have been made in recent scientific literature and Dodge - incorporated by reference herein in its entirety http://www.magdahavas.com/wordpress/wp-content/uploads/2010/08/Dodge_1969.pdf - for connections made over 40 years ago.)
77. I reaffirm that the information contained in the paragraphs above are true and correct.
78. End of affidavit.

Dated this 30 day of August 2013.

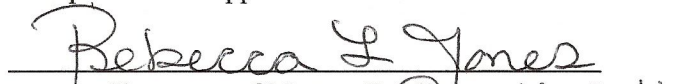
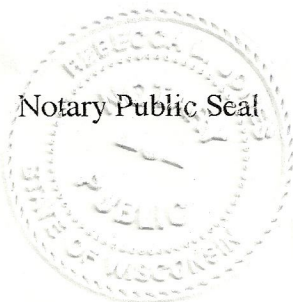


Signature of Person Making This Affidavit

State of Wisconsin]
] ss.
County of Jefferson]

Subscribed and sworn to (or affirmed) before me this 30th day of August, 2013, by Catherine Kleiber of N9387 Riverview Dr., Waterloo, WI 53594, personally known to me or proved to me on the basis of satisfactory evidence to be the person who appeared before me.

Notary Public Seal



Signature of Notary Public 4-17-14
Rebecca L. Jones

Radiation Sickness; Amanda & Ryan Rose Comments, Sept 3, 2013

Attachment 1. The Filer

We, the filer, Amanda & Ryan Rose, are strongly in support of decreasing exposure limits through FCC regulation. Current FCC exposure limits are based on the cellular heating effects of wireless, not the many other biological cellular effects. As surely you must know, a very significant research effort has been underway for many years, beginning in the mid-90s and increasing dramatically in the last several. These results indicate serious effects from constant or frequent, repetitive exposure to wireless fields that negatively impact the cellular functioning of all lifeforms, the basis of all life. We reference here the Bioinitiative Report (over 600 pages, produced mostly by pro bono contributions of concerned international scientists, and not attached here out of courtesy due to page length); scientists at the Nobel prize-winning Karolinska Institute in Sweden; the conversion from pro to con of Dr. Devra Davis, an original proponent of, and contributor to, the 1996 Telecommunications Act, who has reversed positions and is now actively involved in the international research effort to prove, unequivocally, that there are dangerous biological effects from wireless radiation as currently allowed; and many others, including the recent decision of the Supreme Court of the nation of India (See **Attachment 2**, a .pdf portfolio, which is somewhat voluminous, but the decision of the Supreme Court of India is on two pages at the end) to limit and REGULATE wireless, to use that word that is anathema to ideologues who believe in deregulation of every sort, whether rational or not. **Attachment 3**, "Governments And Organizations That Ban Or Warn Against Wireless Technology," provides a March 2013 listing of international governments and organizations that favor decreasing or eliminating exposure limits. Also, as you may know, Electromagnetic Sensitivity is recognized by the Americans with Disabilities Act, the US Access Board, and numerous commissions.

We have discovered from personal experience that there is a threshold beyond which these effects become apparent through deleterious health symptoms. In our case (the filer), our entire family has experienced these symptoms, even though we have never installed wireless in our home nor owned a cell phone. A short summary of the three of us and our history/symptoms follows:

Son, formerly exposed only seldom before leaving home for college, and with NO history of seizure, experienced a *grand mal* seizure in his second year of college, where he was exposed 24/7 in classrooms, dormitory, and throughout the campus. The seizure was brought to a close by inducing a coma. Emergency room and follow-up hospital diagnosis failed to prove any cause, although later, a physician specializing in multiple chemical sensitivity and electromagnetic sensitivity, recognized the symptoms as electromagnetic sensitivity. His reaction diminished over a fairly short time because he left the 24/7 field by returning home to this very rural area, learned stress management techniques, and began taking anti-seizure medication. He is now at Cornell in a Ph.D. physics program. The only way he can complete his higher education and live in the conventional world is with anti-seizure medication and stress management. We all consider this a very expensive travesty, but are aware that his considerable attention to stress management techniques, which are beneficial practices, is essential in managing his condition as well as the side-effects of the drug, which we hope will not increase. (See **Attachment 4**.)

Mother (Amanda Rose, filer 1 of 2) crossed her threshold, or alternatively, developed symptoms, when a neighbor installed wireless that radiated into our home: When I first heard about wifi sensitivity, I must admit it seemed really off the wall. That is a very common response, quite likely because our country is not paying attention to the issue as deeply as Europe, Israel, and India are, and because one cannot see, touch, smell or taste wireless. It exists, but not to our usual senses. Although skeptical, once I crossed the threshold I could not continue to deny this as a very serious and real disability. The most common problem is the first one I noticed: inability to think well. I was trying to plan our son's high school graduation and could not figure out who was invited or what food would be served. I am of decent intelligence, an avid cook and delighted with our son; there was no reason this should have been so difficult. I would sometimes simply sit and cry because it was so utterly frustrating that I was having such difficulties with these simple tasks. It is quite common for those who have this sensitivity to take hours to accomplish something that normally would have taken very little time and would be easy to do. The source of the wireless signal was from the home behind ours and was in direct line through our large kitchen window. I often felt really bad when doing the dishes right at the window. I had had a mole on my back that my health care provider had repeatedly warned me to have removed, as it seemed likely to become cancerous. Within a few months of the neighbor's installation of wifi, it did. Fortunately, I have not had any recurrence after having it removed. With these issues we decided to talk to our neighbor about removing her wifi and going to DSL instead, which we offered to pay for. She basically refused although she eventually said she would turn it off when not in use. That meant that occasionally she turned it off for a brief stint. I found that I usually knew when it went off and when it went back on, as I would suddenly feel better and then suddenly feel worse again. I never knew when she would be choosing to turn it off or on, but my body could tell me. Eventually she took us up on our offer to remove wifi and install a landline phone and DSL. This phenomenon of knowing when I am in a wifi field has persisted over the years. Just recently I attended a dinner celebration at my husband's workplace where we had made sure that all the wireless was turned off for the evening. However, after the dinner as I relaxed and the intensity of riveted discussion fell away, I noticed that I felt as though I had been in heavy wifi, and could not understand how that could be. The next morning it dawned on me that most of the folks at the dinner had cell phones, and so I was being bathed in EMR after all. The lady referred to above moved out within about 6 - 9 months of us paying her DSL bill, and the new tenant agreed not to use wireless. However, after several months I began feeling symptoms at home again and did not know why. I picked up a wifi hotspot detector and, to my shock, found we had a wireless signal in the house again. I followed the signal, via the device's bar-intensity readout, to her house and asked her if she had started using wifi, to which she answered *no*. The next morning I suddenly felt much better and looked at the clock - 10am. Later that afternoon she saw me and told me that, sometime earlier, she had been given a router which she was not using, but had discovered that it was *on*, and that she had turned it off at 10am. The instances in which I think that I am not in wifi, but my symptoms tell me I am, are numerous. It is almost like I am a flower that wilts in wireless, and when I remove myself or have it turned off, it is like I have just been watered. I go to a nearby town once a week to do our shopping, and I take a day to recover from the almost ubiquitous wifi presence. **I cannot travel much, I cannot visit or help out with my father in Seattle who has Lewy Body disease and now Parkinsons, and do not go out to eat (almost all restaurants have wifi for their**

customers); I live a very small life. I sometimes wonder what would happen should I find myself needing to go a hospital, which are all full of many wireless signals, so that going to the hospital could be more harmful than the problem that might have arisen. It is a disconcerting thought. **Although we do all we can to keep our exposure as minimal as possible, I now have issues with my heart as well, and, I continue to find that wireless signals usually leave me feeling depleted and foggy-brained - at times I look like the life force has been sucked out of me.**

Father (Ryan Rose, filer 2 of 2). I was exposed, unknowingly, at work for several years, but upon returning home after work entered a no-wireless, or low-wireless, field. The home's outer walls are of thick adobe, constructed in the early 1900s, and are partially effective in reducing the penetrating nature of wireless. Furthermore, the bedroom is protected by two adobe walls, so sleep—the best time for physical rejuvenation—was fairly well insulated from invasive electromagnetic radiation. However, as mentioned in my wife's description above, the neighbor's installation of wireless (wi-fi) was enough 24/7 exposure to bring my body across the threshold. By the time I felt symptoms, my wife and two neighbors already had, and I was still skeptical. Nevertheless, one evening while washing a lot of dishes in the kitchen, which is closest to our neighbor and exposed through a large window and a frame add-on porch (non-adobe), I experienced what I can only describe as the oddest feeling: my stomach felt as if it turned over. I immediately realized it was my body's reaction to our neighbor's wireless. After that I was no longer skeptical, so as with so many people today throughout the world, I began, reluctantly, starting to learn about wireless, even though I was extremely busy with my consulting work. With a technical background (BS in Aerospace Engineering) and prior work with NASA on the Apollo Program (Cape Kennedy & Manned Spacecraft Center - Houston), I was in possession of the basic physics to begin that unwanted learning experience. That has led to this response to the FCC's request for Comments on Notice of Inquiry, ET Docket No. 13-84. My symptoms mainly manifest in digestive disturbance—nausea and achlorhydria. Occasionally, a mild headache will occur, of which I used to be blessed with none.

The two of us now refrain from exposure whenever possible. **So that you will know that we are serious about this,** we remind you that we paid for our neighbor to remove her wireless and install a landline. More recently, we found it necessary to request assistance from the USPS Inspector General in removing a wireless signal from our local Post Office, which is very nearby, as it had a signal that was invading our home and creating symptoms. It was removed quite quickly once our complaint was received (wireless is not permitted in postal facilities, probably because it interferes with their equipment). We understand that in the wake of Hurricane Sandy, no telephone/DSL land lines are being reinstalled in that area. This could be a very serious problem were that to happen to us, as it must be for any who have the same disability. Unfortunately, since this problem is not being discussed widely and is still not recognized by the majority in the medical profession, many are going undiagnosed.

As you know, there is a highly profitable and powerful cell phone/wifi lobby that would try to convince you that there are no health liabilities arising from their technologies. We request that the FCC delve into this issue more deeply than it has previously. Just think: if

wireless systems are found to need re-structuring, industry as a whole would have a rejuvenated source of revenue—new cell phones, new routers, modified towers, etc.

Radiation Sickness; Cindy Bowman Comments, Sept 3, 2013

FCC 13-39

**Before the
Federal Communications Commission
Washington, D.C. 20554**

In the Matter of	)	
	)	
Reassessment of Federal Communications	)	ET Docket No. 13-84
Commission Radiofrequency Exposure Limits and	)	
Policies	)	
	)	
Proposed Changes in the Commission's Rules	)	ET Docket No. 03-137
Regarding Human Exposure to Radiofrequency	)	
Electromagnetic Fields	)	
	)	

To: Office of the Secretary
Federal Communications Commission
Washington, DC 20554

Comment Filed by: Cindy Bowman
P. O. Box 222
Bloomery, WV 26817
millabite@outlook.com

September 3, 2013

AFFIDAVIT OF Cindy Bowman

I, Cindy Bowman, attest that my statements are true to the best of my knowledge.

Comment round for FCC ET Docket No. 013-84 and ET Docket No. 03-137

1. My name is Cindy Bowman. My address is P.O. Box 222 Bloomery, WV 26817
2. I am unemployed due to illness, a condition known as electrical hypersensitivity.
3. (A) In 2004, I was assigned the task of taking phones calls at work. For this task I was given headphones which attached to my office phone. From that day, my life has never been the same.

(B)I began experiencing severe headaches, which dissipated a few hours after returning home. The next day I felt good, returned to work, and had another headache within a few hours of wearing the headphones. This phenomenon continued and soon after, I began having involuntary muscle twitches, insomnia, ringing in my ears, confusion, fatigue, inability to concentrate, dizziness, problems balancing and Alzheimer's-like memory problems. I would attend a meeting at work, take notes, and upon returning to my desk, was unable to read my own notes or even remember the meeting. I was unable to find a doctor who could help me. Barely two months later I had to leave my job because each day I went there, I was able to stay shorter and shorter times before becoming ill. By the time I left my job, I had or was experiencing more than forty physiological changes that resulted from my illness, and I was ill no matter what my location. I didn't wear headphones at any time other than for work; that was the only change in my life, and anything electrical, wireless or not, was affecting me by then. I would even experience muscle twitches when driving underneath a power line, when near a cell tower, or being next to a hybrid car in traffic. The remote control on satellite TV proved to be too strong for me; it caused many problems and I cannot be around them even now.

(C)After my headaches began I started noticing that other people at work who were taking phone calls didn't use the headphones. I started my own survey, asking why they didn't use the equipment provided by our employer. Many had headaches, some had confusion, and some had ringing in their ears after using the headphones. I reported this to the supervisor, and tried using a different pair of headphones. The supervisor said some people quit the job taking phone calls soon after beginning, but those people had been hired specifically to take calls and had not been employed very long. I had been employed there for over nine years but had not taken calls using headphones. I even tried using a private office using the speakerphone instead of headphones for taking calls but my symptoms continued to increase in number and intensity.

(D)I didn't want to leave my job but had to leave because I was no longer able to perform my duties due to my illness. The neurological changes in my body caused by my exposure to the electrical impulses in my environment were beyond imagination and I had trouble believing what I was experiencing, even while knowing that it was real and not imagined.

(E) Soon after becoming ill but before I left work, my husband contracted with a satellite TV service for football season. In my absence, my husband had the satellite installed above our bedroom window, directly above our bed. I had been staying with my mother for a week because she was ill. When I returned home, I couldn't sleep in the bed. I heard humming and vibration sounds that my husband couldn't hear. I convinced him that we should sleep with our feet under the window instead. That gave my feet and legs burning sensations, and I had to move out of the bedroom to sleep until we got rid of the satellite. I actually pitched a tent on our deck and slept outside while we had the dish. Although my husband did not experience any health problems due to the location of the dish, I felt them as long as the service was on. I turned off and unplugged the receiver box at night and when my husband was at work to stop the transmissions and hopefully feel better in my own home, but that accomplished nothing.

(F) Even before my illness began, I had used a cordless phone at home and noticed after some conversations, my inner ear felt as if it was numb, and my outer ear was hot. Switching ears while using the phone made both ears have the same feelings.

(G) I now use speakerphones exclusively, most often on corded phones.

(H) In the last month I learned the land behind my house is being considered for a cell tower site. Although I am attending local governmental meetings and voicing my thoughts, needs and ideas, if this tower is built, I will have to move. There are already eight towers within four miles of my property, according to Antennasearch.com. If this continues, I will have no place to move within the United States.

(I) The FCC's decision to review the guidelines of RF Safety is to be applauded. I believe a change to lower the FCC RF safety guidelines is in the best interest of the American public, taking place as soon as possible, to prevent more people from becoming ill. A person doesn't know they have this sensitivity until it starts. It usually isn't one or two devices which cause this sensitivity and subsequent lifelong illness, but one or two too many. I urge the FCC to act now to protect Americans' health by lowering exposure limits to Radio Frequency electromagnetic fields.

Respectfully submitted by

Cindy Bowman

P.O. Box 222

Bloomery, WV

September 3, 2013

Radiation Sickness; Sue Martin Comments, Sep. 3, 2013

Please reconsider your standards of permissible radio frequency (RF) exposure limits. I am in the small minority of electrically hypersensitive people at this time, but I am concerned about other people as well. As more cell phone towers are installed and more wireless devices are used, it's hard to say what will happen to the rest of the population. In 2012, Alaska a man won a court case against AT&T for damage because of non-thermal RF exposure at work during an accident. He has neurological damage. <http://www.lbagroup.com/blog/alaska-supreme-court-upholds-award-for-rf-radiation-injury-below-thermal-exposure-level/>

I experience many different types of symptoms when exposed to RF. Most are debilitating. It has become necessary for me to search for land to buy that has less RF in order to feel human again.

Some of the symptoms are: Extreme fatigue, the feeling that gravity has greatly increased, causing the sensation of compression on my body, nausea, brain fog, changes in handwriting, memory loss, asphasia, insomnia, tingling and a feeling of vibration throughout my whole body.

I'm greatly restricted in the following because of effects of wifi, cell phones, and cell phone towers.

Shopping - almost all shopping is now done online.

Visiting family - Every one has wifi and cell phones.

Traveling - motels and airports have wifi.

Camping - most campsites have wifi.

Here is one study that shows a link to brain affects from using cell phones.

<http://rense.com/general26/2yrs.htm>

Radiation Sickness; Richard Gaul Comments, Sep. 3, 2013

I am writing you to please update your Wifi, radio wave, or radiofrequency radiation maximum outputs. We are long overdue for regulations to lower the maximum amounts any telecom towers or any other item that puts out radio wave pollution. This type of radiation is killing us. Similar to a microwave it fries you, your cells and DNA. It affects fast growing cells the most like a fetus, newborn, kids and on the way up. The elderly are learning they are more sensitive to radio wave pollution than other as well. There are just so many people be diagnosed with hypersensitivity to radio waves that we need to lower the radiation limits substantially. The FCC needs to take a serious look at the BioInitiative Report (see <http://www.bioinitiative.org/>). The leading country that has decent regulations is Switzerland. The FCC needs to study how the Swiss have transformed into the leading country that protects themselves from radio frequency intensity. The Swiss have at 950 Mhz a safe level of 4 V/m or 0.04 W/m² and at 1850Mhz 6 V/m or 0.1 W/m² safe level. The FCC levels are more than 10 times the Swiss safe limits. With so many environmental issues that get pushed on us and don't matter, we need an environmental issue like this that does matter to be fixed and legal safe limits lowered more than 10 times similar to Switzerland. There is just too much mounting evidence of biological damage from radiofrequency radiation not to adjust the levels to safe levels. As they are now, they are NOT SAFE LEVELS. I cannot go anywhere it seems without being bombarded by this serious pollution. It is killing our kids in schools (The FCC should ban wifi and Smart meters from Schools were kids are), I have it a work where all the computers are communicating by wifi, cell phones and their powerful towers are radiating us, now smart appliances are being forced on use with harmful wifi. It is the FCC's job is to protect us. It is everyones world to enjoy and not just a vehicle for the telecom's to make a fortune off of our suffering and degradation of health. Please consider what the Swiss have done and lets follow their lead and move the planet toward a safer radio frequency level here in the U.S. of A. Thanks

Radiation Sickness; Karen Strode Comments, Sep. 4, 2013

Comments on Notice of Inquiry, ET Docket No. 13-84

September 2, 2013

I have been physically injured by RF radiation that complies with current exposure limits.

It took me two years to deduce that the cordless phone, wi-fi and the cell phones that my family and I used in our home over the period of several years caused the extreme head and neck pain I had been experiencing during this time. We have removed all wireless technology and installed hard wired connections in our home. I do not allow cellphones in my home and so far we've successfully dodged getting a smart meter (although my utility company is pursuing us and we may have to move house). My symptoms are greatly reduced in this new environment. However, I am severely sensitized to RF radiation and now am electrically hypersensitive. This diagnosis was confirmed by my Allergy and Environmental physician*, Dr. Gerald Natzke DO, of Flint, Michigan.

I now work most of my hours at home due to the presence of 30 plus cell phones that my colleagues use in the office. If it had not been for an understanding boss I would have lost my employment. I am unable to use any form of public transportation due to the wi-fi that is now prevalent on planes, trains and buses. I cannot travel in other peoples' automobiles that have bluetooth or other technology that produces high amounts of EMFs.

I cannot visit friends or relatives that have a smart meter on their home, as I immediately experience excruciating head and neck pain due to the RF and dirty electricity from these devices. I do not attend social events due to the cell phone radiation and wifi. I have to restrict the time I spend in businesses or other venues that are near cell phone towers. I am no longer able to use the post office, restaurants, or other businesses that have a radio transmitter tower on the roof of their buildings. I cannot attend services or concerts at churches that use their steeples as cell phone broadcast towers.

I urge the FCC to examine the scientific studies performed by *independent* researchers (not studies done by and paid for by industry) and **lower the exposure limits!** Basing exposure limits on a single exposure that attains thermal effects is "stone age" science!

Karen Strode, RPh

Michigan

kmstrode@comcast.net

*Physician documentation available upon request.

Radiation Sickness; Jaime Schunkewitz Comments, Sep. 3, 2013

Comments on Notice of Inquiry, ET Docket No. 13-84

Standards for human exposure to radio frequency radiation should be more restrictive. My life has been ruined by a severe case of electromagnetic hypersensitivity (EHS). I get a severe headache, chest pains, tinnitus, ear pain, and eventually flu-like symptoms from exposure to low frequency 60 Hz all the way to RF. Cell phones cause an accute, immediate reaction which lasts for days, or weeks depending on the length and strength of exposure. I was injured by using a cell phone and CRT monitors. Your current standards are primitive and based on the rise in temperature of a rats ass after just a few minutes of exposure. Meawhile you permit children to be irradiated in schools for hours on end. I'm an electrical and biomedical engineer, not some delusional freak. I won't go down without a fight when you thugs come to my house and try to install a wireless smart meter. A smart meter is a threat to my existence. Your standards must be lowered by at least a thousands times. EHS is a world-wide epidemic, and the FCC is directly culpable for devastating a good percentage of the population.

Jaime Schunkewitz

Radiation Sickness; Linda Bruce Comments, Aug. 13, 2013

August 13, 2013

DEAR FEDERAL COMMUNICATION COMMISSION:

I understand that you are examining your current limits for radio frequency radiation to determine whether regulations should be more restrictive, less restrictive, or remain the same.

My emphatic endorsement is to make regulations far, far, far more restrictive.

Why? Because my health, your health, our children's health and their children's health is at stake.

This time, right now, is a critical juncture for all Americans and for people around the globe and for the plants and animals we depend upon for sustaining our lives.

Please use compassionate reason. Please lower the limits of radio frequency radiation.

There are innumerable sources showing that we must radically curtail the many sources of pollution on Earth—and **electromagnetic pollution, including wireless, is possibly the most grave of all pollution.**

I learned this through experience. **In 2009, I was diagnosed with a condition I had not heard of before: electrical hypersensitivity (EHS).** I felt extremely uncomfortable around electrical/radiation sources, including cell phones, wifi fields, computers, halogen lights, refrigerators, fans and much more. I had to take a leave of absence from my computer job, even after purchasing five new computers, hoping to find one that I was not sensitive to so that I could continue working.

In trying to get well, I found a plethora of information about electrical pollution and related health issues. I learned that electrical hypersensitivity has been known to the *World Health Organization* for a number of years, and that some countries, like Sweden, provide assistance to EHS citizens.

Getting my health back cost me roughly \$25,000. It took several years. Some issues are still not resolved because it is impossible in a U.S. city to not be exposed to radio frequency radiation and electrical pollution. In fact, most people with electrical hypersensitivity do not get well. They can't limit exposure to wireless sources, and they don't have access to medical treatment and they don't have deep pockets. Living with electrical sensitivity leads to depression and a sense of powerlessness.

So this is why I write to you. **Electrical hypersensitivity is just one of many, many impacts of radio frequency radiation and electrical pollution.** I hope that you and Members of Congress will be able to learn more about it.

- I highly recommend this website: <http://www.electricsense.com>
- Insights on FCC Safety Limits for Electric Fields, Magnetic Fields & RF Radiation: <http://www.electricsense.com/5029/fcc-safety-limits-for-electric-fields-magnetic-fields-rf-radiation/>

Thank you for reading my letter and for considering the many benefits—the imperatives, I feel—of taking courageous and urgently-needed action to reduce radio frequency radiation.

Sincerely,

Linda Bruce
12401 Westmore Court, Bowie, Maryland 20715

EMF SUPPORT AND INFORMATION WEBSITES (from Lloyd Burrell's [ElecricSense](#) website)

- [Abracecel: Brazil](#) : support group in Brazil on EMFs
- [Alliance for Irish Radiation Protection](#) : Radiation protection group in Ireland
- [Antenas Agui NAO](#) : Portuguese EMF support group
- [Ban the Tower](#) : New Zealand based group protesting about cell phone towers
- [Bioinitiative Report](#) : A body dedicated to providing a rationale for a biologically-based Public Exposure Standard for electromagnetic fields
- [Clean Energy Foundation Canada](#) : Canada based activist group
- [CFL Impact](#) : An information site on compact fluorescent light bulbs
- [Citizens Against Un-Safe Emissions](#) : Canada based cell tower protest group C.A.U.S.E.
- [Citizens for Safe Technology Canada](#) : Canadian based non profit making group to raise awareness on electropollution
- [Dr Devra Davies](#) : American researcher's website on EMFs
- [EHS-Action](#) : Website in French by electrically-sensitive person with information on EMF dangers and solutions
- [Electrosensitivity UK](#) : UK support group for people who are electrosensitive
- [Electro-sensitivesupportgroup](#) : Esser support group in the UK for electrosensitives
- [EMFacts Consultancy](#) : News information service on electromagnetic field dangers based in Australia
- [EMFhelp](#) : Australian website on EMF detection, prevention and remediation.
- [Emf.pt](#) : News and information in Portugese on electromagnetic radiation and health.
- [EMF Services](#) : EMF site assessment surveys, field reduction services, and building design consultation based in California and Florida.
- [Emf Safe](#) : Australian EMF radiation safety website.
- [EM Radiation Reasearch Trust UK](#) : presents research on electromagnetic radiation
- [Folkets-stralevern.no](#) : The People's Radiation Protection of Norway is an independent organization that passes on knowledge and facts about dangerous radiation in Norwegian.
- [Low EMF Office](#) : based in Italy proposes solutions for low electromagnetic emissions office equipment
- [Magda Havas](#) : Research to inform the public about the hazards of modern electrical technology
- [Mast Sanity](#) : A national organization opposing the insensitive siting of mobile phone and Tetra masts in the UK

- [Microwave News](#) : one of the most authoritative and highly regarded websites on the health and environmental impacts of electromagnetic fields.
- [Norad4u.com](#) a website based in Israel created by someone who is electrically sensitive.
- [Stopsmartmeters.wordpress.com](#) : a US based action group providing activism consultation and advice to people concerned about smart meters
- [Stopumts](#) : a Dutch website which talks about the dangers of wireless technology
- [Stralingsarmvlaanderen](#) : a Belgian website in Dutch to bring awareness about the dangers of electrosmog
- [Next-Up.org](#) : A French group which brings awareness on the EMF issue
- [Weep Initiative](#) : A body set up to inform the Canadian public about the potential environmental effects associated with different forms of electric and electromagnetic pollution

Radiation Sickness; Louise Kiehl Stanphill Reply Comments,
Feb. 19, 2013

FCC 12-152

**Before the
Federal Communications Commission
Washington, D.C. 20554**

In the Matter of

Notice of Proposed Rulemaking
18 FCC Rcd 13187, 13188 ¶1 (2003)

And

Service Rules for the Advanced Wireless Services
H Block---Implementing Section 6401 of the
Middle Class Tax Relief and Job Creation Act of
2012 Related to the 1915-1920 MHz and
1995-2000 MHz Bands ¶53 footnote 95

ET Docket No. 03-137

WT Docket No. 12-357

To: Office of the Secretary
Federal Communications Commission
Washington, DC 20554

Reply Filed by:

Louise Kiehl Stanphill
3727 Hennessy Place
Santa Rosa, CA 95403
blindman@sonic.net
707-573-9056

February 16, 2013

AFFIDAVIT OF LOUISE KIEHL STANPHILL

State of California]

Sonoma County]

I, LOUISE KIEHL STANPHILL, attest that my statements are true to the best of my knowledge.

Comment round for ET Docket No. 03-137 and WT Docket No. 12-357.

1. My name is LOUISE KIEHL STANPHILL. My address is 3727 Hennessy Place, Santa Rosa, CA 95403.
2. I am a small business owner selling window coverings and cleaning blinds since 1995.
3. In 2009, I suffered a severe electrical shock to my head while talking on a cell phone plugged into a wall socket.
4. Since that event, I have become hypersensitive to electromagnetic fields and suffer great physical pain when near wireless devices including cell phones, cell phone towers, cordless phones, wireless routers and wireless utility meters (“Smart Meters”); many electronics including household appliances, computers and television screens; and fluorescent lighting, especially compact fluorescent lights (CFL’s).
5. The proliferation of wireless technology has excluded me from activities of daily living, including worshipping, travelling, attending public activities and events, shopping, etc., and has ruined my functional ability to work.
6. The FCC has a duty to protect the public health and safety from harmful levels of radio frequency radiation.
7. To protect the public health, the FCC must update its RF safety regulations and base them on biologically-based safety levels.

8. In 2011, the World Health Organization declared electromagnetic radiation a class 2B carcinogen, and some of the scientists on the WHO committee not affiliated with the telecom industry felt the research easily supported making it a 2A carcinogen.

9. The Bioinitiative Report of 2012 urgently calls for greater protection from RF emissions for sensitive populations. (See <http://www.bioinitiative.org/conclusions>) “Safety standards for sensitive populations will more likely need to be set at lower levels than for healthy adult populations. Sensitive populations include the developing fetus, the infant, children, the elderly, those with pre-existing chronic diseases, and those with developed electrical sensitivity (EHS).”

Respectfully submitted by

Louise Kiehl Stanphill
3727 Hennessy Place
Santa Rosa, CA 95403
February 16, 2013

Radiation Sickness; Diana LeRoss Comments, Feb. 7, 2013

FCC 12-152

**Before the
Federal Communications Commission
Washington, D.C. 20554**

In the Matter of	)	
	)	
Notice of Proposed Rulemaking	)	
18 FCC Rcd 13187, 13188 ¶1 (2003)	)	ET Docket No. 03-137
	)	
And	)	
	)	
Service Rules for the Advanced Wireless Services	)	WT Docket No. 12-357
H Block---Implementing Section 6401 of the	)	
Middle Class Tax Relief and Job Creation Act of	)	
2012 Related to the 1915-1920 MHz and	)	
1995-2000 MHz Bands ¶53 footnote 95	)	

To: Office of the Secretary
Federal Communications Commission
Washington, DC 20554

Comment Filed by: (Name . . .)
(Street or P.O. Box . . .)
(City State ZIP Code)
(E-mail . . .)
(Telephone Number)

February 4, 2013

AFFIDAVIT OF Diana LeRoss

State of Washington]

King County]

I, Diana LeRoss, attest that my statements are true to the best of my knowledge.

Comment round for ET Docket No. 03-137 and WT Docket No. 12-357.

1. My name is Diana LeRoss. My address is 116 Fairview Ave NE #930, Seattle, WA 98109.
2. I am a technical writer/editor and project manager.
3. I am hypersensitive to electromagnetic radiation. Approximately seven years ago, I began experiencing skin and nervous system problems. I had a cordless phone, a cell phone, and a wireless modem. I had no idea of the risks posed by these devices to my health. When I measured the EMR emitted by these devices, the readings were greater than 2,000 microwatts/m² for each of these devices. I must stay away from these devices in order to stay healthy. As well, my sensitivity increased to include fluorescent lights. If I use a cell phone for more than a few minutes, my skin burns. In order to use my computer, I must use an anti-radiation screen (3M now sells these). When I am exposed to fluorescent lights, I become nervous and anxious. I would be happy to discuss this with interested parties.
4. Dozens of scientific studies have shown negative impacts of EMR on human health, even at low levels of exposure. The most commonly accepted guidelines are the Building Biology recommendations that list 1,000 microwatts/m² as the threshold for “extreme concern” (http://www.baubiologie.de/downloads/english/richtwerte_2008_englisch.pdf). On May 31, 2011, the World Health Organization's International Agency for Research on Cancer (IARC) classified radiofrequency fields as “possibly carcinogenic to humans.” The FCC does not use biologically determined guidelines that affect health, but rather uses a standard that measures thermal heating of biological tissue. The premise that there are no adverse impacts of EMR on the human body until it is cooked is

completely ridiculous.

5. I urge the FCC to adopt new RF safety guidelines that take into account published research on the biological effects brought on by the ability of RF signals to communicate with living tissue, and more specifically, to consider the Building Biology guidelines for human health.

Respectfully submitted by

Diana LeRoss

116 Fairview Ave N. #930

Seattle WA 98109

February 4, 2013

Radiation Sickness; Marc Sanzotta Comments, Jun. 17, 2013

How does it feel to be radiated 24/7 by RF/Microwaves & be forced to move from my home of 28 years?

DEVASTATING & FRAUGHT WITH ALL MANNER OF HARSHIPS!

How does it feel after 28 years of living in my home to have 3 towers or masts within 1 sq. mile of my home, & two of the three less than 1600 feet away?

HEADACHES, EYE PAIN & DETERIORATION OF MY VISION, BALANCE ISSUES, HEART IRREGULARITIES, SHORT TERM MEMORY ISSUES, RINGING IN MY EARS & FATIGUE ALL WITHIN THE LAST 12 MONTHS & CONCURRENT WITH THE PLACEMENT & INCREASED EMISSIONS COMING FROM THESE 3 TOWERS.

How does it feel to know that the medical establishment has not been informed by the government concerning the health hazards of RF/MW exposure, nor has it been given the authority by the AMA to diagnose EHS (Electro-Hypersensitivity)?

FRUSTRATING AT BEST!

How does it feel to have no say in the advance of a technology which as far back as 1976 was revealed to be a lethal treat to human health by the U.S. Navy & U.S. Army, & is currently being reinforced & intensified by BioInitiative scientists' research as seen in the 2007 & 2012 reports? Or, how does it feel to know that the I.A.R.C. of the WHO has classified this technology as a 2b human carcinogen placing it on an equal level of danger as living under high tension wires?

PROFOUND GRIEF & HELPLESSNESS!

How does it feel to have a government & FCC that is backing aggressively protecting the telecommunications industry & is using out-dated & bogus methods for determining the safety of wireless RF technology, including wireless routers, cell phones, smart

meters? How does it feel to know that they are also covering almost every square foot of the earth with radiation from the cell phone towers (masts) that have no limits & no restrictions or regulations on the number of packages & frequencies that can be utilized on each mast exponentially increasing the dangerous RF/Microwave emissions? And what to say for all of the forced use of wireless routers, laptops & smart phones in our communities by an uninformed & unsuspecting public?

TERRIFYING!

How does it feel to have the only known forum to lodge my concerns (the FCC open-docket) be like finding a needle-in-a-haystack because the FCC & Media do not think that it is important to widely & continually inform the public that it exists?

I FEEL THAT IT IS ABSOLUTELY IRRESPONSIBLE & A DERELICTION OF THEIR DUTY!

This is not an isolated/rare complaint that I am lodging. I have family members & friends who suffer from EHS. Many cannot escape their plight. I am deeply concerned about their & my futures.

WE NEED & MUST BE HEARD & INCLUDED IN THE FABRIC OF THIS NATION, AS IT IS OUR BIRTHRIGHT TO BE, AS AMERICAN CITIZENS. “RADIATION WITHOUT REPRESENTATION” IS A SERIOUS BREACH OF OUR NATION’S CONSTITUTIONAL GUARANTEES. WE DEMAND THAT THE FCC ESTABLISH UNBIASED & SCIENTIFIC STANDARDS FOR THE SAFE USE OF THIS VERY VOLATILE & CONTROVERSIAL TECHNOLOGY.

I respectfully submit this to the FCC open-docket for consideration & posting.

Marc Sanzotta

Radiation Sickness; Barbara A. Savoie Comments, Aug. 11, 2016

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Brief Comment

5G Spectrum Frontiers is a devastation too Our Health As of today, 8-11-2016, I have been zapped by RF radiation 3 times this week. It happened once in my neurologist's office, once in church and this morning at my neighbors. When I was at my doctor's office last week, I measured the RF with my meter and of course it was high with all the cell phones people had in there. After spending about 45 minutes at the doctors, I came home with a headache, hurting eyes, lack of concentration and chronic fatigue...and I do mean chronic fatigue. I could not get up from my chair the rest of the day as I had no energy and felt like a rag. I went to church on Sunday and they always announce at the beginning of Mass to shut cell phones off. If I hadn't stood in a crowd after Mass conversing, I probably would have been all right. Someone in that crowd must have had a cell phone turned on as I got the very same symptoms I had at the doctor's office, plus belching that lasted a long time which a doctor told me is due to my autonomic nervous system. Then this morning my power was out when I woke up. I went over to my neighbors as they have an automatic generator and I saw a light on in their house. I used their phone to call my son for help with my generator. The Mrs. offered me a cup of coffee and so I stayed and visited with them for about an hour. I was sitting about 10 feet from a smart meter which was just outside the room where we sat. I came home with the same symptoms I had with the other two episodes –hurting eyes, headache, lack of concentration and severe chronic fatigue. If ill health at “non-thermal” levels was discovered among radio and radar workers in the 1930's, and Russia accepted ill health from “non-thermal” levels in 1958 which caused it to set much lower thermal levels than the UK, and the US National Academy of Sciences ' NRC accepted “non-thermal” effects in 1986, what makes anyone think the ill effects would be any less today then back then when there was even less radiation.

Radiation Sickness; R. Kay Clark Comments, Jul. 13, 2016

Today is July 13, 2016 - R. Kay Clark - Journal, April 17-30, 2014

I finally learned what I had been experiencing had a name, it's called Electromagnetic Hypersensitivity. I began to keep a journal of how it was affecting me and my life. Some days I want to die it hurts so bad and there's no getting away from it. It being the burning, shocking, prickly feeling, burning/itching eyes and other painful symptoms. There is profanity but those are times when I could not stand the pain and torture. My journaling continues today and the EMHS gets worse and worse.

My journal is handwritten and transcribed later as I was able to tolerate sitting here at my computer.

I hope at least some of this gets read and something happens that 5G either is not allowed to happen or is very strictly controlled. I am not financially equipped to do more than I've done to protect myself from EMFs and the protection I've tried is not working.

Start of journal:

April 17, 2014, 10:31 a.m. - I'm feeling kind of punk today. I hurt when I walk up the steps and I have the humming in my right ear. I'm tired. It's going to rain soon. Look for:

- copper knitting needles and crochet hooks
- copper chain
- moccasins.

I don't know but I kind of feel nauseas but not quite. UPS is to deliver the copper bracelets today and the moccasins tomorrow. I'm being shocked a little bit by my Kindle and my mouse. My nose is starting to itch but I'm sitting at my computer monitor and that's usually when it happens. Actually it happens anywhere, the nose itching.

5:56 p.m. - It's been a crappy day. Copper bracelets came. I put them on right away but it didn't make any difference. I've had the feeling all day that feels like tiny little wires poking into my skin. Sometimes the feeling feels like it comes and goes and other times when it starts it feels like it will never stop. My nose has ran today. I've sneezed. In fact I've sneezed every day for a long time now.

Around 8:00 p.m. - ordered pizza earlier. I don't have food except peanut butter and rice drink and I'm hungry. The humming sound in my right ear is so annoying. (Book - *Riding the Waves: Diagnosing, Treating and Living with EMF Sensitivity*, Maxim, Elizabeth (2010-07-27). Kindle Edition.) At this point is when I began learning I had become hyper sensitive to electromagnetic fields and after

April 18, 2014, 11:46 a.m. - I feel really good today. Yesterday I was miserable all day long. When I took all the bracelets and watch off, my wrists itched and they were very red and of course green. I washed them really good and they felt better. Today I have only one bracelet on. Started yesterday, I made some changes -- I put a six-plug wall plug in the living room electrical outlet where there was a power strip. I took that power strip and put it in the office. There were six plug-ins in that strip where the one that I had been using had twice that many plug-ins and six were empty. I read somewhere that power leaks from power strips when some of the plug-ins weren't used. Then in the kitchen I removed that power strip and plugged the grow light directly into the electrical outlet like it had been prior. The only reason I used a power strip was because I could turn the light off at the strip. The strip had five or six plug-ins so that left five opened maybe leaking electricity. This morning I was bothered a little bit by my mouse.

April 19, 2014, 11:02 a.m. - My head started hurting yesterday, late afternoon and today it still hurts. Not really a headache. It might be from my back (pinched nerve) because if I tilt my head to the left and stretch my neck that makes it hurt down in the upper part of my back. I think I need the electric company out here to remove the thermostat. (It's a programmable thermostat and the electric company can manipulate the temperature from their facility. It's been installed since August 2009.) Asking to have it removed because as I'm sitting here knitting I get the stinging, prickly feeling in my arms and hands but not constant. Except for getting a new bed, I've run out of things to change to make a difference in the EMS symptoms I'm experiencing. It's wearing me down. It could be sitting in this recliner causes the symptoms because the fabric is synthetic and there's metal also. I think all this money I'm having to spend on things to bring my living more comfortable health-wise should be tax deductible. I know I'm sensitive to electromagnetic frequencies and I don't need a doctor to tell me so. Anyway, what I'm experiencing hasn't been recognized as a health issue but I will goddamn say it is, I just wouldn't go to a doctor about it. Twice I've had vaginal break-through bleeding since -- well, in the last 12 months. I have insomnia and the last few nights I haven't been able to sleep in my bed because of the shocking, prickly sensations. Right now, today, and for the past couple of days there has been loud humming in my right ear, ringing and hissing in both ears and diminished hearing. I need to get groceries (more protein). I hate grocery shopping. Anyway, I'm down to rice and beans and peanut butter.

April 20, 2014, 4:46 a.m. - I slept okay last night, on the couch again. I'm so leery of going back to my bed. I should try taking the headboard off.

April 21, 2014, - I finally ended up sleeping in my recliner last night and I guess I slept very good because I didn't wake up until around 5:30 a.m. P wanted attention! I should go get groceries today because I have no food! I was going to

have the electric company come out and take out the programmable thermostat they installed in 2009 but changed my mind. I'll wait until someone is here to help me move the couch and I'll move the recliner to the corner where the couch is now. M messaged me and she's going to call today. *By the Weather Underground records it rained/thunderstorm today or rain/thunderstorm was predicted.*

April 22, 2014, 4:44 a.m. - I was tired and sleepy and I got ready to go to sleep. I started in my recliner and not long after I was settle the creepy crawly sensation started in my hands and arms mostly. So I got up and moved over to the couch -- same thing. Now sometimes when I get the shock feeling that spot where it happens hurts for a bit afterwards. So, finally I went outside and stood on the patio. I did put my feet in the grass for a second or so but not being sure what was on the ground I didn't stay in the grass long. When I came back in and laid down on the couch I was finally able to go to sleep. (after 10:00 p.m.) Kind of seems like I had a couple prickly feelings but now I'm not sure. My hair is a mess and I wish I would cut it myself. L called yesterday and my car needs a new transmission and not worth the money. I've got to call for a cab and go get groceries today. (It was around this time I was reading the book, *Earthing: The Most Important Health Discovery Ever?*, by Clinton Ober, Stephen T. Sinatra, Martin Zucker.)

April 23, 2014, 10:41 a.m. - The last couple of days I had this roaring in my head and my blood pressure was higher than is normal for me and I lost hearing in my right ear. Today the roaring is gone. It's raining. I feel pretty good today so far. I wanted to go out and sit on the patio and put my feet in the grass but it's been raining. Maybe it will stop and I can still do it. I'm being shocked (burned) by my mouse -- all day today -- when I was at my computer, keyboard, too. Guy working on gas meter - 1 p.m. or thereabout, says regular maintenance. (I questioned that later). Terrible, miserable evening. *By the Weather Underground records it rained/thunderstorm today or rain/thunderstorm was predicted.*

April 24, 2014, 2:00 a.m. - I was awake earlier, around 9:00 p.m., got up, went to the bathroom. I tried to go back to sleep but wasn't able to. Played Solitaire for awhile, laid back down. Not sure I really went back to sleep. The shocking or stinging started. So, before it really started pissing me off I just got up.

2:58 a.m. - I'm sitting here at the kitchen table and I was feeling miserable. I'm trying to read "Earthing". My eyes were feeling itchy and of course my arms and hands. I looked at my Kindle, which I'm sitting right in front of, a tiny bit more than an arm's length away. I wondered, even though it's not turned on, could it be causing some of this (my EMS). So, I laid it screen down on a folded washcloth and at least the shitty feeling to my eyes and face stopped immediately. I need to search for protective screens for Kindle, mouse and keyboard.

Some Notes: ESD = electrostatic discharge (computer towers are grounded, so why do

I need to wrap my computer tower with the sheeting? (Bedroom, in the book, registered highest, EMF) Society for Barefoot Living. These Notes are from reading Earthing.) I'm still feeling some symptoms but nothing like before I turned my Kindle over. So just now I turned it completely off.

Around 3:30 a.m. Okay! It's 3:43 a.m. and all the itchy, prickly and shocking symptoms have stopped. My Kindle is completely off and is screen down. (I question that that made the difference.)

Note: At the moment I don't recall where I read this: (*grounding sheet - primitive Metalized duct tape/used for furnace ducting, laid tape on bed to form a crude kind of grid, alligator clip attached to end (one) of duct tape, connected a wire to it, ran wire out window, fastened to ground rod.*) This was just part of my journaling and maybe later I'll be able to recall where it came from, possibly from the book, "Earthing". Along with this note I've noted ESD (site online). Note sure what that means.

April 24, 2014, 5:45 a.m. - I just got up after going back and laying down around -- maybe it was between 3:00 and 4:00 a.m. Never did go to sleep and I am so tired and I'm weary from this (these) horrible sensations. I would try the duct tape thing but I don't know any way to ground. Since the symptoms are worse now at the south side of the living room, actually the southeast corner, I wonder if the MGE guy put in a smart meter instead of doing maintenance as he said he was doing. It really is coincidental that the sensations or symptoms started again at the time of MGE visit.

I have the watch on w/the stainless steal back and band, a copper bracelet and they are doing absolutely nothing. In fact, twice now I've felt little sharp (shocks) from both of them. When I first read about the copper bracelets and how they worked for the author, then I bought three, I already had one. I thought it was great how they worked for her and when I first put the one on that I already had, I thought, wow, maybe this will work for me, too, but NOT! I'm really tired and when I first sat down here, I'm at the kitchen table, I even felt a little sick to my stomach. I'm tired of reading now.

My Kindle is shut down, my computer and peripherals are completely off, even completely unplugged and my cell is completely turned off as is the TV, etc. and unplugged. Still I'm being shocked and that creepy feeling of stuff creeping along my skin, also being shocked and tingly, prickly feeling. I'm miserable and tired. (Yesterday was such a pleasant day with virtually no symptoms) and now it sucks! I wish I could go to sleep. It's going to rain/storm.

I can't sleep in my bed, nor on the couch or in the recliner without getting shocked.

About 20 minutes till 8:00 a.m. I sat in my recliner and tried watching TV and I was so miserable and so tired. I shut off the TV, unplugged everything, pulled

the thermostat out of the wall mount. Nothing helped. I tried sleeping and maybe I went to sleep, I don't know. The symptoms were still happening when I got out of my recliner at about 9:00 a.m. I went to the bathroom and then outside to check what MGE had done with the meter. Its dials not digital if that means anything.

I looked at the tenant's side and the guttering is leaking at the end of the gutter, not the downspout. (I went over to look at the gas meter on that side and that gas meter doesn't have the red screw-like things on the meter like the new meter the gas service guy installed on my gas meter. (That's a lot of meters!) I don't know what that means.

It's been raining ever since before 7:00 a.m. I don't recall ever feeling so horrible "while" it's raining. It's usually a day or a few days before it rains I feel bad. I keep smelling something that smells like liquid laundry detergent and it's rather strong. Sometimes I think there's something really wrong with this new sewer system. That smell and no sleep and the shocking and prickly, itchy feeling is making me nauseous.

You know, I sit here pretty much minding my own business and all this fucking shit is happening to me. And like caring for H. and those fucking B.s harassing me while I'm there and the shit they did to me while I was caring for W, et al. And all the other shit people have done to me or against me. It sucks! Then feeling that no one, I mean no one, cares about me.

I can't believe how good I felt yesterday and today is horrible.

I ordered the body bands from www.earthinginstitute.com today. I don't know when they'll be delivered.

I went outside earlier to look at the gas meter. Then later I went online to see if gas meters can have Smart Meters and sure enough there was the exact meter that's now installed at my home. I didn't receive "anything" asking my permission or allowing me to opt-out. I've not only been sick all day and most of last night but now I'm fucking furious.

Note: Environmental electric fields

I went to bed around 7:00 p.m. I sure wished I could have gone to sleep but about 7:25 p.m. the stinging, prickly, shocking feelings started. I had removed the headboard, which was metal. There was the Himalayan salt lamp, the sound machine, two lamps and the bug deterrent plug-in in the bedroom, if that made the difference.

I am so tired. Also, it feels like no one cares. I called R and I wasn't surprised no one answered, nor that no call back. Didn't hear back from T after sending him two email, one a thank you and the other asking for help with a letter I was writing.

That roaring sound in my head is back.

While sitting in the living room before going to bed because I couldn't stand it any longer in the living room I was being shocked like crazy. It's been bad before but not this bad.

There is just really no place now I can go inside here where I can get away from this horrible thing that is happening to my body. Oh, yeah, while I was sitting in my recliner in the living room I had this horrible pain in my left side of my head.

For years I have experienced certain shocking and burning like symptoms and only this year, 2014, did I finally think I've learned what is causing those-these symptoms.

It was April, I came across the book, Riding the Waves: Diagnosing, Treating EMF Sensitivity by Elizabeth Maxim, Phd. Although reading about what worked for her did not work for me, I did learn of other books available about EMF (electromagnetic frequencies/fields). I believe it was from Maxim's book I learned about the book, Dirty Electricity, by Samuel Milham, MD MPH. If it wasn't Maxim's book I learned about Milham's, her book was the beginning of my education about electromagnetic frequencies (EMF).

I believe it was around or 2007 I began experiencing EMF symptoms. I had no idea what was happening to me. I didn't know who to ask about my symptoms. I was embarrassed about it, also.

Since I've been reading about electromagnetic frequencies, electromagnetic sensitivity and electromagnetic hyper-sensitivity, I believe that's what I'm experiencing. I've tried some solutions, of which none have worked. Maybe they have helped to lessen the sensitivities a bit.

My biggest problem now is using my Kindle Fire, my computer mouse and keyboard. When I use any of those three devices I get shocked or burning-like sensations.

I have unplugged my wired modem, changed my wireless mouse to a wired mouse and making those changes didn't make any difference.

I had begun searching online about what I was experiencing but never entered the right search information until April, this year, and I found lots of links about electromagnetic frequencies and sensitivities.

Coupled with the EMF sensitivity, my symptoms get worse around the time the weather is about to change or during inclement weather.

During my learning process about electromagnetic frequencies and radio frequencies I came across geoengineering. As I started reading about geoengineering I began to wonder if I'm also sensitive to the chemicals being sprayed into our atmosphere. (Miserable . . .

Is that possible, that I'm sensitive to EMF?RF and that the chemicals in the atmosphere from geoengineering or climate engineering compounds my sensitivities?

April 25, 2014, 8:40 a.m. - I can't believe I'm still here! (Maybe a little extreme.) It rained a lot yesterday and usually during the rainy time I feel pretty good. But yesterday I felt all the symptoms I've described before and not having adequate sleep the night before, I was totally exhausted. I had washed three loads of laundry, which included bedding. Before I got ready to make my bed, I took the headboard off. Then made the bed and was really looking forward to crawling in between the nice clean sheets and falling asleep. -- Didn't happen. I was in bed about 25 minutes and the symptoms started to rev up. (Most of the day the salt lamp was on and still on at bedtime.) Anyway, I was fairly certain the symptoms weren't going to go away. I got up, took the mattress off the futon and proceeded to make my bed on the mattress on the floor. (I had already unplugged my computer, etc.)

Okay. Bed on the futon mattress wasn't a good idea. (futon frame = metal) I think I partially drifted to sleep but when I woke I felt like my head to my waist was wrapped in a heavy comforter. So, not only was I way too warm, I felt I was being smothered. I got up and was thinking, "I'm really out of choices for a place to sleep up here or the next level down. (I was in my office, which is upstairs.) So, I grabbed up my bedding and went downstairs to the TV room, which used to be my office. I made my bed on the couch and wasn't long and I was feeling the symptoms revving up again. I think I may have slept a little bit but I'm sure not restful sleep. Anyway, I think it was around 11:30 p.m. I again packed up my bedding and my last remaining choice for a sleep area was the garage. Made my bed on the carpet runner in front of the downstairs door (I'm now on the ground level of my home), using two of the cushions from the lawn chairs, plus some old blankets and my bedding. When I first laid down I thought this is probably going to be too cold and I could still feel some of the symptoms but not full-blown yet. I guess I finally went to sleep but I know off and on I would wake up a little to turn over. Then I would hear P wanting to know what I was doing down there. When I got up I was surprised to see it was about a quarter after 7:00 a.m. Since it's so dark in the garage, I thought it was still night.

Okay. I come up to the kitchen and P has knocked a bracelet, three wrist watches off the counter. Picked those up. Put food down for P, which she still hasn't eaten what I put down before. I think she's mad at me because she couldn't get in my business last night. I wanted her with me but she would have been in to everything in the garage -- All Night Long!

So, anyway. I feel only just a bit okay this morning. Still very tired and before I ate I was feeling a little queasy.

The sun is shining today. It's only 55 degrees out though. I think suppose to be in the 70s, closer to 80.

I'm sitting here at the kitchen table because I'm leary of sitting any other place. The only thing I've turned on this morning is my phone. (And of course, no one has called.)

Got a text with picture from L late yesterday afternoon and she had gotten her hair cut. She's so pretty and I liked her hair. She looked kind of sad though. I think I'll go turn on my computer and check a few things. Not going to stay on long. I'm not going to turn the TV on, maybe this evening or not at all. If I got rid of the internet and Netflix I would save but I sure would miss the internet because of all it's allowed me to learn and the entertainment.

I called the ISP, then connected the old modem but they said the old modem (hard wired) wasn't working and of course they wanted to rent me a modem. Nope, I don't think so. So, I'll leave things like they are for now.

So far today I've been fine, a couple times slight symptoms. I am very tired from yesterday. I went out to spray the weeds in the driveway. While I was out I checked the gas meter on the tenant's side. It looks like nothing has been done to it for a long time. (Doesn't look like mine and still looks the same when I checked it the last time.) The meter just west of my home has been changed to a, what I'll call a Smart Meter. Very curious!

While I'm typing this (no one would be able to read my handwritten notes) my keyboard shocks and burns my fingers and sometimes I'll get shocked on my back on the left side up by my shoulder. And of course my mouse shocks and burns my hand. No marks show on my skin but it sure as hell hurts!

April 26, 2014, 7:04 a.m. - I guess I slept okay last night. I think I went to bed between 7:00 and 8:00 p.m. I took a couple Aleve. because my right knee had been hurting. I may have wakened a few times to go to the bathroom and someone is supposed to be here today or Monday to do the gutters. Looks like it's going to be nice today, at least right now it does. Heard from T, text message. I'm glad because I was beginning to worry something may be wrong. I've had breakfast and am having coffee. I have a headache or at least my head hurts.

11:35 a.m. - I feel crappy and I don't know if it's because I'm not getting good sleep or what. My head hurts and if I'm in one place too long some of the symptoms start or increase in intensity. I've felt worse since gas company put in the Smart or Advanced Meter or that's what I'm calling it because it looks like the images I've seen online. It's now my head hurts, pretty bad some times.

I feel I should have been told by the gas company they planned to put in a Smart Meter and I should have been allowed to decline the installation.

11:45 a.m. - Right now, I'm sitting at the kitchen table and the pain in my head has let up a little. Sometimes I almost feel sick to my stomach because of my head hurting.

Note: Got book, "Dirty Electricity", a few things I learned from the book or knew before:

- EMF - electromagnetic field (and their related diseases) I don't call them diseases I call them "symptoms" of being exposed to electromagnetic fields and radio frequencies and geoengineering.
- 50- and 60-Hz = extremely low frequency (ELF)
- Part of the electromagnetic spectrum
- G/S meter for measuring electricity at outlets (which I cannot afford to buy right now)
- Plugin capacitive filter - www.stetzerelectric.com/

Comments, a couple I have right now:

- I have become hypersensitive to electromagnetic fields and dirty electricity
- I have purchased a Himalayan salt lamp, copper bracelets, many books and a number of other objects that I've read should eliminate or help reduce symptoms of electromagnetic frequencies - I've wasted my money!

April 27, 2014, 12:16 a.m. - I fucking can't go any place in my home where I can get away from being SHOCKED. I pulled the mattress off the futon again and pulled it over in the doorway so part of it was in the office and the rest of it was in the hallway. My little tiny hallway! It was some time around 7:00 p.m. I was tired so I went ahead and tried to go to sleep. It was mostly my hands, the shocking, prickly sensation and it just wouldn't stop. (Right now my eyes burn.) I finally went to sleep but was awake again some time after 9:00-9:30 p.m. Been awake ever since. Sitting here at the kitchen table, eyes burning and periodically stinging and shocking sensations. This is fucking bullshit. I have to get the electric company out here and change thermostats and hopefully the gas company back and put back the analog meter on the gas meter. When the gas company changed out the meter on the 22nd or the 23rd of this month is when the shit started getting worse (if it could get worse). I had the office window and kitchen window open all day. The office window is still open.

Before I gave up trying to go back to sleep I started coughing, a lot.

I stopped using the microwave some time the beginning of the month. Also, I've been using a folded up cotton blanket wrapped in an old cotton bath towel as a pillow. All my pillows are synthetic and I think that's a contributor to my sensitivities. My hair has gotten to be such a mess and I started thinking maybe it's the pillow, then maybe the microwave. I started using Organix (brand)

shampoo and conditioner. It was after the pillow change that my (I don't know what I meant to say here), at least to me, started to change. My fingernails were a mess all winter. They're better now but they have ridges and when they grow out a little they chip and break. I try to keep them trimmed back closely. I have little pink spots on my arms and a couple on my legs. They don't itch or hurt, nothing like that. I have one on the back of my left hand that's probably about a quarter of an inch in diameter. I keep putting coconut on it, along with a cotton ball and paper tape.

I firmly believe electricity comes right out of the electrical outlets because sitting and if I put my left leg down (right now I have both legs propped on the other chair) there will be a stinging or more like shocking/burning sensation I feel on the side of my leg facing the outlet.

12:50 a.m. - P just came down for some kitty lovin'.

My symptoms get worse a couple days or so before rain or weather change and since the gas company put in the Smart Meter I have or experience the symptoms even during rain or atmospheric changes.

In the book, "Earthing", Ober writes that some individuals are ultra-sensitive and can be severely affected by electromagnetic frequencies, (page 78). Sometimes I wonder about the grounding in my home.

And some more of my symptoms are itchy nose (terrible sometimes) and sneezing. Right now my nose itches terrible but not as bad as it has at other times. Every once in a while the back of my hand has a burning sensation. Next month I'm getting an Earthing grounding sheet.

It's 1:43 a.m. - I'm still having occasional symptoms. I want to go to bed but I know as long as the symptoms are ongoing it'll just make me agitated if I try to go to sleep.

I have heart palpitations, I think that's what it must be called. Not often but often enough I don't like it. Here lately every once in a while I'll wake up and my heart will be racing. At first I was thinking it must have been something I'd eaten but now I think it's all part of the EMHS.

My right knee, I used to blame the pain on when I was transcribing and lifting my foot up regularly using the foot peddle on the transcribing machine. This was daily for long periods of time. Now I'm not so sure. The knee pain, it's now my knee and up into my hip area.

Suggestion from book, "grounded shoes".
I hope the groundals work - ordered!

10:36 a.m. - I finally went back and laid down. It took a while but I finally went

to sleep. Ms. Kitty woke me around 4:30 a.m. or thereabout. I'm sitting at the kitchen table, had breakfast earlier, was on the computer but not very long. I tried knitting but started becoming uncomfortable, so I'm back here reading "Earthing". I just figured I've been experiencing some form (symptoms) of EMHS since 1983 or thereabout, around 31 years. It (the EMHS) didn't become a terrible bother until mid 2007 and has progressively gotten worse. I didn't even learn about electromagnetic hyper-sensitivity until this month, April 2014.

This sounds weird but sometimes, like if my hands touch the shocking symptom will occur. Other times it feels like "the shock" enters or touches one part of my body and immediately I feel that sensation in another part of my body. Sometimes I "think" the man-made electricity charges my body and that's why my hands and fingers feel like they do, the tingling, burning, stinging, shocking symptoms. I don't know, sounds crazy but I don't know how else to describe it. Some of the symptoms didn't start until after the electric company put that thermostat in my home. The thermostat can be regulated by the electric company from their location. They can do something with my air-conditioning, like cycling it during high-usage time, something like that. That was what was explained to me when the thermostat was installed. Along with the thermostat the electric company service person also put a device on my furnace. Now I wonder what other little magic they can perform through the thermostat.

Then this month it's gotten worse, the symptoms, after the gas company installed a Smart Meter or an "Advanced Meter" and they did it without any prior warning they were going to do it and without my permission. When I realized someone was at the side of my house the day the meter was installed, I went outside and asked the gas company service person if there was a problem and he said, "No, just regular maintenance." I don't call changing the meters regular maintenance. I called the gas company a few days later and ask that the gas company remove the current meter and replace it with an analog meter. The person at the gas company I had to talk to stated he didn't know what I was talking about, that there was no order for work at my residence.

Through all this learning about EMF, EMHS, RF, MWF, etc., I learned about Smart Meters and Advanced Meters. Wow, have I been a dunce! Those meters have been around a while and I knew nothing about them.

I wonder now if the labyrinthitis I experienced in 1993 or 1994 was because of EMFs. Sometimes I will have diminished hearing, usually in my right ear and usually it comes back but it's not "normal" hearing. I hear sounds differently in each ear. My left ear - when I put my hand up to my left ear and rub my thumb and finger together, I can't hear any sound at all but when I do that at my right ear I hear it clearly.

Right now the only place I'm rather comfortable is here at the kitchen table or unless I go down to the garage or outside. I know I don't go outside enough but there is absolutely no privacy out there and I feel awkward out there by myself

I've only shared what's been happening with me and what I believe it is with R. That only started in earnest this year, maybe the end of last year I shared what was happening to me because I didn't have a clue what it was.

I won't go into this now but the reasons I didn't go/haven't gone to a doctor is many reasons, the main one being I didn't know where to start with what was happening. I felt weird in that I was surely the only person it was happening to.

Additional symptoms - weight gain, bloating, gas, sleep issues, digestion, pains in different parts of my body, the worst being my right knee, allergy symptoms like runny, itchy nose, coughing and a lot of sneezing, burning eyes, some times blurred vision.

I'm extremely sensitive (hyper-sensitivity) to electromagnetic fields.

April 28, 2014, 6:13 a.m. - I was up and down all the steps yesterday, probably a total of 10 to 15 times. By the time I got my bed ready, my right knee was killing me. I pulled the futon mattress down to the living room and after positioning it three different places, the 3rd place worked. But at that point I realized the ankle support I had put on, to maybe help my knee problem, had magnets in it. So I took that off. Then the pillow I was using to support my right knee, it had a polyester pillow case -- well, the fucking pillow was, what I call, a petroleum product, so I got rid of that. Then I yanked that damn electric company's thermostat out of the wall, it's a plug-in type thermostat. Earlier I had gone down to the electrical breaker box, I was very ready to shut off the power to the whole place. I couldn't get the main breaker switch to budge. Anyway, after all my preparations I was able to finally go to sleep.

I think because all that went on yesterday, because there were storm warnings all day long, that's why the going up and down the steps so many times. I was preparing, I was wound tighter than a drum! So, today I feel little twitching-like sensations all over my body and I believe it's because I was finally able to get some quasi-quality sleep. So around 5:00 a.m., Miss Kitty came looking for attention and I got up, had breakfast. I'm still a little tired though.

Back to the sleeping. I read something in Earthing, Edie M. defined her sleeping problem *as if all the cells in her body were vibrating*. That's exactly how I've felt trying to sleep or awake, only I thought of it as being wired (highly!). See Earthing, page 148. Edie stated she had her problem for ten years. My problems (my EMS) have been for seven plus years or more and they are escalating. Edie's experience with the computer's mouse sounds like mine except my mouse would actually "burn" the palm of my hand. Keyboard, same thing. Keyboard is wired, mouse is wireless. Edie's statement, "electrical energy coming into me". Wow, I finally feel vindicated by her statement because that's exactly how it has felt to me. I almost think sometimes I can feel the electricity entering at one

point on my body and simultaneously exiting at another point.

I want to purchase two foot pads; one for me and one for P or purchase one for me and buy the pet one for Miss Kitty. I want to purchase the bed sheet and I feel the half sheet will be adequate. I've already ordered and am waiting for the bands. Also, I've ordered and am waiting for my groundals - grounded sandals.

As I stated previously, I only this month learned of "grounding" or "earthing". That's one of the biggest reasons I don't want to give up my computer because of all the things I've learned and am learning.

Other symptoms (mine)

- Confusion (or actually seems I simply stop thinking)
- Get angry and irritated easily
- Aching all over
- Loss of balance (this just started this year)
- Fatigue
- Stress (caused by me not knowing what was happening to me and my body or why it was happening)
- Incessant itching of my nose
- Head hurting, very painful
- These symptoms are in addition to others

I was in an automobile accident in 1968 and was left with a pinched nerve in my back (or so I was told). Anyway, for years my back hurt in the area of the injury. Then it, the hurting, stopped for a long time. Then it would be painful when/or just prior to changes in the weather. So at the onset or during all these symptoms I was/am experiencing I tried to make myself believe that somehow that back injury could be the culprit. Also, when I was probably about three years old, while outside playing and I was barefoot, I stepped in some glass. My parents never took me to the doctor although the cut was very deep. It was believed the glass cut through the tendon in my arch (right foot) and I'm trying to relate that horrible cut to the pain in my right leg. I think a lot about injury to the body or cutting into the body or cutting things out of the body and I really don't think nature intended for things of body to be removed. I've had my tonsils and I guess my adenoids removed, my appendix and my oviducts removed. I don't think nature actually intended for the things to be removed from our bodies, else why are they there in the first place.

I haven't had a good, uninterrupted night's sleep since prior to 1988 or thereabout.

- 4mG or milligauss, most homes measure this amount in alternating (AC) magnetic fields.
- Electromagnetic fields (EMF)
- Radio frequencies (RF)
- Radio frequency radiation (RFR)

This is an observation aside from what I've written so far, but the book I was reading, Dirty Electricity: Electrification and The Diseases of Civilization, by Samuel Milham, MD, MPH, where he talks about government, etc., page (location on Kindle 725 or 47%). I wish I would have purchased a hard copy edition. -- Anyway, US government, military, the energy companies, well, actually only the government. An uncle of mine was a state senator and he said that his last year in office he did absolutely nothing but report for work and left at the end of his workday. He said that if you're not a crook when you go into government "work" you will be when you leave. Me, I firmly believe that and with all my heart I would like to be part of a movement to change the US government for the "good" and "betterment" of "the people".

✱ What is radio frequency radiation? Look it up. (Note to me)

I didn't know when I continued reading the book I mentioned just previously but I had to stop because of EMS. My index finger was hurting/burning badly. There's metal in the pen and that makes the pain worse.

Now that I've turned my Kindle off (that's where my book is) my finger doesn't hurt. But when the pain starts, if I don't remove the object that's causing the EMS or I physically move then I have what I'll call residual pain Like right now both of my hands have a prickly (very annoying) feeling and it seems to take a while for it to dissipate.

It's 4:36 p.m., and what turned out to be a very cool, dark, overcast day. R texted me this a.m., "Call when you can talk". So I called and we talked a long time but that's not unusual. R is off for nine days.

So, I'm waiting for my earthing bands and I'm absolutely sure I will be ordering the earthing bed pad/sheet, a pad for at my computer. I may be poor by some standards but I will spend money for those things. My groundals came Saturday but I didn't get them until today. (It must have been the lazy postal person who delivered my mail Saturday because the regular postal person brings my packages to the door.) The groundals work outside! I was hoping inside but that's okay.

April 29, 2014, 11:41 a.m. - I'll write about last night later.

- Today I started taking 4 vitamin D3; 2,000 IU mini gels to see if that helps me feel any different. We'll see.

Another dark, wet, dreary day.

12:49 p.m. - I tried going to sleep and this shocking thing is horrible. Ever since the gas company put the Advanced Meter in I probably haven't slept but 2 to 3 hours a night. Right now I'm being shocked everywhere. The prickly feeling is in my legs. I'm so fucking tired I can hardly stand up, my eyes burn and hurt.

When I get shocked in my chest that is so fucking painful - so very fucking painful.

It's raining. I know it rained last night and I don't know if it ever stopped. I have to lay this pen down every few minutes because my hands tingle, have that prickly feeling and a small part of my palm feels like it's burning, the shocking hurts so bad. I'm so tired. I woke up this morning or rather finally got up between or around 5:30 and 6:00 a.m. My night was horrible.

I drug the futon mattress back down to the living room last night - didn't do any good, I just could not go to sleep because the invasion of the EMFs. Right now I really don't care to keep living. Along with all the pain and being so tired and no one seeming to care about me, I just don't care.

Last night I even came out to the kitchen table, had a blanket to wrap up in, towels and a blanket to lay . . . me held on. (Not sure what I was trying to say here.) I had already gotten dressed again. Well, all that didn't work. I finally went back, laid down on the futon mattress, rolled up in a ball, even left my moccasins on and I guess sort of slept. Some time Miss Kitty came and laid beside me.

Sometimes I wonder if the microchip in her does something or interacts with the EMFs and that has an adverse affect on me. (That's probably way out there!) I took 2 allergy tabs about an hour ago and aside from my nose stopped dripping I still feel very bad.

I can hardly wait for those bands to come. I just hold out for the hope that they will work.

I took 8,000 IU of vitamin D3 about an hour ago. I don't know if that's too much but I thought I'd read somewhere that a 10,000 dose would be helpful. I know with a certainty that the EMHS has gotten 100% worse since that (expletive) Advanced Meter was put in.

And the very, very, very loud humming on the right side of my head -- it's making me crazy.

So, from around 1:00 p.m. until about ten minutes ago (now 3:54 p.m.) something was going on in here and whatever it was it made me feel horrible, really, really horrible.

I'm going to start in earnest to move from here and so far the only place I know about where there won't be all this Smart, Advanced Meter business and electromagnetic frequencies and radio frequencies is Green Bank, West Virginia.

I just learned that if you refuse to let them install one of those Smart Meters then you have to pay a fee to have your meter read. Or if a Smart or Advanced

Meter has been installed and you ask for the, whatever it is, to be turned off, you have to pay for that, in addition you have to pay the meter reading fee every month.

Supposedly my electric usage/cost was supposed to go down when they installed the thermostat that monitored my electric usage and supposedly lower or cycled the air-conditioning. Well, my electric costs "did no" go down.

The EMFs - it's not just the ones coming from my electric meter and now the gas meter, it's everyone around me, plus computer, wifis, etc. That's why my symptoms of EMHS are always on.

April 29, 2014 - 6:17 p.m. - About 5 to 6 minutes ago, maybe 10, I went down and turned off all the breakers. I can't turn off the main breaker, the switch won't move. 7:00 p.m. - didn't do any good to turn off breakers. And the roaring, pounding in my head is worse. 9:00 p.m. - I tried sleeping in my bed - didn't work, still being shocked. Went down to the futon in the kitchen - nope, moved to living room, nope. Back in my bed and I'm still having symptoms. 11:30 p.m. - Still being shocked. It's cold in here. Miss Kitty sleeping with me. Unusual!

April 30, 2014 - Earthing order came today.

8:40 p.m. - I'm in my bed with both wrist bands on. During the day I was somewhat comfortable. After being in my bed even with the wrist bands on, I was still having the shocking feeling mostly in my hands. I got up and got in the recliner. I was finally about to go to sleep. Didn't write down time. I woke up one time during the night and it was either around 11:30 p.m. or thereabout or 1:30 a.m. I was able to go back to sleep but it took a while. It was around 7:30 a.m. when I woke up.

Radiation Sickness; Steve & Juleen Ross Comments, Sep. 3, 2013

Juleen was stricken with chemical sensitivity after exposure to a combination of formaldehyde, new building materials, pesticide, and a non-functioning ventilation system in a sick building in 1989. Seizures were her first symptom. Around the year 2009 she began having numbness in her legs and especially her feet while watching TV and fatigue after using a computer. We have intentionally banned wireless devices from our home, with the exception of a cell phone that we only use (sparingly) when one or both of us are in the car. It's clear to us that EMF sensitivity can happen to anyone, especially someone who is already sensitive (as so many people are, even they don't realize it). In light of substantial evidence of harm, as well as broad international agreement about the dangers of exposure, and despite the lobbying efforts of the telecommunications/wireless industry against any change, we believe the FCC has a moral imperative to revise and strengthen its standards and restrictions for human exposure to radio frequency radiation.

Radiation Sickness; Kathy Ging Comments, Sep. 3, 2013

PART ONE: The Problems - Ignorance and Manipulation of Information about Complex Changing WIRELESS Technologies

One sided research often funded by the very industry needing monitored is regularly cited by both corporate public relations staff and public stewards (the latter supposedly paid or elected to protect public interests not those of trans-national corporations like the telecommunications industry).

In my own experience interacting with EWEB (an electricity and water providing utility), I have witnessed grossly inadequate, partial and biased information provided to the public on its web site and by staff.

Much of the bias is due to their predisposition to favor an as yet untested digital wireless smart meter technology on a poorly informed public instead of engaging the community in an open ended debate and encouraging scholarly and journalistic research as to the pros and cons of wireless (and wired) smart meters.

EWEB staff and some board members, like many apologists for proliferating wireless technology, neglect to include corrections by Daniel Hirsch, nuclear policy analyst, University of California, Santa Cruz, who did a critique of the conclusions of the California Council on Science and Technology report on smart meters cited on EWEBs web site and other sites promoting wireless smart meters. EWEB also advises ratepayer-owners to rely on FCC guidelines which are shamefully obsolete in today's wireless world.

Putting a magnifying glass on my experience with this one utility (some of whose board members boast it to be the best utility in the nation), I can report that, under the smart meter/ advanced meter infrastructure FAQ, one question was:

Are there any issues with Radio Frequency? Initially in July, 2011, the first sentence in the answer was simply: _No._ followed by a paragraph dismissing health issues.

Shortly after staff met and interacted with members of the newly formed Families for Safe Meters (DOT.org is its web site) and medical professionals separate from the group - the _No._ sentence was deleted.

EWEB staff, board and some ratepayer-owners in the last two years have begun to climb the learning plateau to at least have enough savvy to delete the word _NO._ and to engage in some dialogue whereas in most areas dominated by Investor Owned Utilities (IOUs) the conversation has not been as civil.

The stuff of history is anecdotal stories - it is those I will discuss in PART TWO of my comments.

PART THREE includes articles and videos recommended for your review and thoughtful consideration as you revise guidelines for RF/MW. PART TWO: Anecdotal reports.

History is full of anecdotes - yet often utility decision makers and government entities choose to discount true stories about personal effects experienced from exposure to EMF. Many people who have EMF sensitivity cannot even attend public hearings and public input sessions due to the proliferation of wireless tech. Some others, like myself, have interviewed sensitive individuals and found, e.g., these three incidents:

ONE. A woman in Eugene, OR, wrote a letter to the EWEB Board describing how a digital natural gas meter had been installed at her house; she slept less than two feet away from it for almost two years and became quite ill. It was not until she met a local doctor that went to her house and discovered this _NON SMART_ meter (what a gas company upper level employee called it) was emitting every 14 seconds that she discovered the source of her health problems and took steps to mitigate them by having the meter removed. This is brought up to show how little the utilities are informed and if informed willing to provide information to the public about transmissions sometimes seen as intellectual property.

EWEB board members had said that wireless gas smart meters had been installed and there were NO PROBLEMS!

EXAMPLE TWO. A California woman called me with her story about how she could no longer use electricity at night in her house but had to use a flashlight after dark. She and her retired husband, (a scientist and she and he technology specialists), had moved into an apartment with wireless smart electric meters 40 ft. away from their living space, but she experienced numerous health problems. By the time she called me, they had spent most of their retirement savings and were trying to find a safe place for her to survive. I do know where she ended up.

(When they had moved into a house with solar electric cells, by the way, they had to have the PVs inactivated due to fields caused by the inverter that adversely affected her.)

EXAMPLE THREE. A woman called me from North Dakota who had to use candles at night because she could no longer be exposed to electricity due to her reactions to a wireless water smart meter installed on the other half of her duplex. Her symptoms included skin tingling (a decades long piano player, she could no longer play the piano); her heart palpitations caused her to see a doctor because she thought she might have a heart attack. She threatened to sue her water utility if a wireless digital water meter were installed on her side of the duplex. She ended up vacating the rental where she had

lived for several year. PART THREE: Research _Smart Meters: Correcting the Gross Misinformation_ should be required reading - signed by 50 international scientists and health professionals. (6.11.12). The article can be easily found by putting the title in a search engine.

Also pls. see the two part video (one hour total) of Dr. Paul Dart whose live presentation to EWEB 7.23.13 can be found at RadiationReport (DOT) com/Smart Meters He also presented to them a 70 page written report which may soon be on the Internet. Dr. Dart, M.D., Eugene, OR, six other doctors and an engineering professional reviewed 200 medical articles over 18 months and assembled an illuminating slide show outlining the findings of cell phone studies in many nations (but the USA is notably absent from most studies).

Dr. Dart, M.D., Eugene, OR, six other doctors and an engineering professional did a review of 200 medical articles over 18 months and assembled an illuminating slide show outlining the findings of cell phone studies in many nations (but the USA is notably absent from most studies).

Part Two of Dr. Paul Dart videos (numbers refer to minutes/seconds)

For your convenience I provide a few of the remarks to the best of my ability and locations on Part Two of the two part video footage at RadiationReport (DOT) com/SmartMeters - 6:18

INCREASED BREAST CANCER Netanya, Israel relative cancer several hundred percent more in males and females but especially in increased breast cancer in women near a cell phone tower 1500 watts, 850 megahertz but 1000 times less than FCC guidelines for 850 megahertz exposure. Comparing cancer rates with 677 persons near cell tower versus 1,200 matched controls in another area of the city, significant increased rates of cancer especially

BREAST CANCER INCREASE IN WOMEN 9:14 CANCER DEATHS In Bela Horizonte, Brasil, a town of 2 million rated as the best quality of life in Latin America by the UN one year, a 2011 study was done by which date 856 cell towers installed. Up to 500 meters from a cell tower there were significant increases in cancer deaths.

12:12 FEMALE MICE Subject female mice in Thessalonica, Greece, kept in VHF/UHF antenna park with power densities 1,000 times lower than FCC guidelines; after five matings, female mice were all sterile and this was irreversible even when they were moved. 14:40

NESTING BIRDS Compared storks nesting near cell tower site - 30 nests within 200 meters versus 30 nests within 300 meters; total productivity significantly decreased; partial productivity changed but not statistically significantly nests without young significantly increased in nests with the exposed

birds.

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Also pls. view the one hour fourth video on the <RadiationReport (DOT) /SmartMeters> site with the public input of 18 persons recommending to EWEB to put an indefinite moratorium on installing wireless smart electric and water meters (8.6.13).

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Pls., especially those who are medically trained on staff, become familiar with this article published in 2013 by Martin Pall, Ph.D., Professor Emeritus, Washington State University: <[http://onlinelibrary \(DOT\) wiley.com/doi/10.1111/jcmm.12088/abstract](http://onlinelibrary.wiley.com/doi/10.1111/jcmm.12088/abstract)>

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GOVERNMENTS AND ORGANIZATIONS THAT BAN OR WARN AGAINST WIRELESS TECHNOLOGY (Put the above title in a search engine for a wireless tech warnings chronology assembled by the Cell Phone Task Force (DOT) org

Radiation Sickness; Jeraldine Peterson-Mark Comments, Sep. 3, 2013

**Comments on Notice of Inquiry, ET Docket No. 13-84**

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I am Nationally Certified Biodynamic Craniosacral Therapist and Licensed Massage Therapist.

I am an individual who is sensitive to electromagnetic radiation. My health and immune system are challenged in environments that are overcrowded with modern electronic instruments such as cell phones, Wi-Fi, Bluetooth technology, high powered light fixtures, scanners and electronic medical devices. I become fatigued, irritable, headachy, confused and have even lost my balance on occasion. It is challenging for me to spend any length of time in shopping centers, airports, grocery stores, college campuses, movie theaters, restaurants, hotels or hospitals. Now, as more and more cell towers are being erected in my neighborhood, and neighbors are opting for Wi-Fi access, I am becoming more exhausted and un-well feeling living in my own home.

In November of 2010, I discovered quite by accident that my local gas company had installed an Automated Meter Reader (AMR) on my home's gas meter located on the wall outside of my bedroom window just 2 feet from the top of my head where I sleep. I suffered from insomnia, wheeziness, a metallic taste in my mouth, indigestion, brain fog and general aches and pains which were not the norm for me at the time. After requesting that the AMR be removed, all symptoms disappeared within 3 days.

I have discovered in the past few years that I cannot ride in "Smart Cars" (electric cars) as they give me an immediate head ache. I cannot talk on a cell phone for more than five minutes without experiencing jaw pain, ear ache and neck spasms. I cannot stand in the same room with a microwave without my heart rate increasing (I do not have a pace maker). I discovered that I could not hold the radio signal Bluetooth game controllers for the Nintendo Wii® for more than ten minutes as my wrist and elbow began to ache and then I become dizzy and disoriented. And medical procedures using Ultra sound, CT or MRI's cause the tissue that is being scanned to become sore and swollen and leads to nauseous, exhaustion and dizziness (no contrast dyes used).

Additionally, I work from my home as a Nationally Certified Craniosacral Therapist and Licensed Massage Therapist. Many of my clients are elderly and have compromised immune systems due to battling cancer and receiving chemotherapy and radiation, Type 2 Diabetes, Multiple Sclerosis, Rheumatoid Arthritis, Lupus, or Multiple Chemical Sensitivities/Multiple Environmental Sensitivities and cannot tolerate prolonged exposure to electromagnetic "fog". My home is free from Wi-Fi and Bluetooth technology. We choose to use land lines instead of cell phones while in the home, but still many of my clients feel the effects from the surrounding neighborhood's electronics and radio signals.

In closing, it is becoming more and more difficult for me to feel well rested and to work effectively with my clients, and for my clients to heal, in a world where every other month a cell phone company feels they must erect their own tower a few blocks from an already existing tower, or add even more signalers to the dozens already providing flawless, potent signals. Please take note: other countries are currently removing their Wi-Fi technologies and returning to fiber optics and land lines. Please don't let electromagnetic pollution become the "we should have seen that one coming" cause of the 2020s. I do not want any more of my family and friends to become ill from, or die from, tumors in the head and neck, and autoimmune diseases, before they turn 50.

Dozens of scientific studies have shown negative impacts of EMR on human health, even at low levels of exposure. The most commonly accepted guidelines are the Building Biology recommendations that list 1,000 microwatts/m<sup>2</sup> as the threshold for "extreme concern" ([http://www.baubiologie.de/downloads/english/richtwerte\\_2008\\_englisch.pdf](http://www.baubiologie.de/downloads/english/richtwerte_2008_englisch.pdf)). On May 31, 2011, the World Health Organization's International Agency for Research on Cancer (IARC) classified radio frequency fields as "possibly carcinogenic to humans." The FCC does not use biologically determined guidelines that affect health, but rather uses a standard that measures thermal heating of biological tissue. The premise that there are no adverse impacts of EMR on the human body until it is cooked is completely ridiculous.

I urge the FCC to adopt new LOWER RF safety guidelines that take into account published research on the biological effects brought on by the ability of RF signals to communicate with living tissue, and more specifically, to consider the Building Biology guidelines for human health.

Radiation Sickness; Edward G. Comments, Sep. 3, 2013

## Comments on Notice of Inquiry, ET Docket No. 13-84

The current RFR exposure limits have impacted my well-being and caused me to experience health problems. All living creatures living in my home began having symptoms of chronic sleep disorders, headaches, digestive disorders and mental health issues within about 3 months of cell phones signal strengths increasing in home and smart meters being installed.

I have receipts dating from spring through summer 2013 for doctors and veterinarians prescribed medicines which required continuous use to control symptoms. The symptoms began to subside only after disabling all cordless phones, all home Wi-Fi systems, all Bluetooth devices, and covering both smart meters and windows with aluminum screens.

All the birds and bees in the immediate area a flown or disappeared and only can be seen occasionally on outskirts either early in mornings or ahead of storms.

I currently limit the use of my cell phone and would really very much wish to keep 24/7 RF radiation from cell towers and smart meters out of my living area and bedroom especially from sundown until sunrise.

Photos of costly attempts to prevent RF radiation from 24/7 entrance to home results of some side effects are included below.



Multiple smart meters with over 100 foot range placed within 30 feet of living and sleeping area. The 2 smart meter for my neighbor is placed in yard doubling my 24/7 radiation exposure.



Aluminum foil covering smart meters to significantly reduce 24/7 radiation without any measurably negative effect upon meter performance. This suggests over radiation.



Covering entire windows and doors with aluminum screening only slightly reduces 24/7 rf entrance into home.