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

September 1, 2013

Office of the Secretary
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

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Dear Federal Communications Commission,

I am writing to inform you, as others are, of the deleterious effects of Radiofrequency radiation and the very dire need for more restrictive exposure standards, independent research regarding adverse health effects of RFR, and policy making from agencies more invested in public health than the interests of industry.

I have a Bachelor of Science in Environmental Policy and Assessment and have been a stay-at-home mom with my home being my primary place of 'occupation' for 8,760 hours per year for the past 13 years as I managed my families' health and well-being. I learned about the three smart meters at my home in October 2011 while doing research after a breast cancer diagnosis. I discovered smart meters emit RFR continuously, as do the cordless phones and Wi-Fi routers situated on my neighbor's wall just 15 feet from my kitchen, where I experienced the majority of my 'occupational' exposure. I learned that communities world-wide are bathing in voluntary and involuntary RFR exposures from Cell and Cordless Phones, Bluetooth, Wi-Fi, Wi-Max, Smart Meters, DECT, TETRA, and Cell Phone Towers/Masts, etc., and will continue to in a much more fervent manner if industry has its way.

After the original diagnosis, cancer returned. It is interesting to note that upon entering my home I felt pain which subsided when I left. My home had become uninhabitable. According to Dr. Dietrich Klinghardt, a measurement of microwave radiation over 5 Microwatts per square meter is unacceptable in the sleeping area. I located a Building Biologist and Environmental Consultant – an expert in the field of Electromagnetic Radiation Assessment. The report indicated measurements of 142, 206, and 280 µW/m2 in my bedroom. Our front door had the highest reading of 650 µW/m2, from an unknown source, and our neighbor's Wi-Fi and cordless phones were detected, as were the smart meters and other sources. I unwittingly sunbathed and watched the children play within 4 feet of our backyard smart meters which lacked any kind of distance or health warning.

During a visit to Seattle's Space Needle observation deck my heart started to race and I felt weak and nauseous. I was certain I was going to lose my lunch in front of everyone! My husband's analyzer confirmed a strong Wi-Fi signal so I returned to the bottom of the Space Needle where the symptoms dissipated. On the way home as we drove past the local fire station, I felt my heart race again, which subsided as we passed.

I had massive unexplained hair loss, racing heartbeat, persistent shortness of breath, excessive stress hormones, tingling, vision impairment, metabolic and digestive issues, chronic inflammation, pain and burning under my arm, noise disturbances in various buildings (from smart meters), and a general loss of strength, energy and vitality.

Prior to Christmas 2012, I couldn't stand it anymore and we evacuated our home to stay with relatives two hours away – my daughter ripped from her school, friends, community and routine. We were forced to sell our house as death was eminent if I stayed. I wrote a 30 page letter to the FCC and others and slowly regained some solid ground with my health as we moved three times to the homes of friends who were willing to turn off their Wi-Fi and cordless phones – some noticing a decrease in their symptoms with the disabled wireless. We couldn't move to an apartment and be subjected to the wireless habits of adjoining neighbors, or risk a bedroom wall with a dozen or more smart meters on it. After daunting medical bills from cancer, we didn't have the money to buy a large enough piece of property to evade the smart meter infrastructure and cell towers, etc.

We bought a motorhome and now travel to RV parks keeping our distance from the abundance of RFR; however, I am unable to spend time at family activities in the lodges because they use Wi-Fi. I've had to sit in pain as other RVs pull in and set up their wireless devices. With each additional exposure, I am becoming more affected by RFR – now I experience pain just sitting at a table when people have their cell phones in transmit mode. I can feel pain as I pass through the microwave path of cell towers when I drive. Coming from a person who notices – cell towers are unsightly, intrusive and everywhere. They are inappropriately located dangerously close to the most vulnerable, at retirement homes, schools, playgrounds and churches.

My daughter shops for me now while I sit in the car, away from Wi-Fi. I can no longer dine in public because even if they don't have wireless, it bleeds in from multiple adjoining businesses. I am unable to carelessly go to the mall, visit friends, stay in a hotel, go to the doctor, get a massage, go to any WiMax-fortified city, or care for my daughter in society, unless I choose to risk the pain, exhaustion, brain-fog, and growth of existing cancer. Yes, I feel, intensely, wireless technology affecting the cancer as it resides in a tight location densely populated with nerves.

In addition to my own experience with adverse health effects of RFR, I think it important to share how local utilities treat their customers, given their unfettered regulation. Our utility, Puget Sound Energy (PSE), was evasive as I was told I didn't have a smart meter – like in California. A manager informed my customer service rep that our AMR system "puts out less rays than a smart meter – about the same as a phone module." I was told a signal is transmitted up to 4x/day or 1x/day near midnight, only to hear from another representative that the meter sends a signal 1x/5minutes. **Interestingly, our EMR Assessment indicated 160 µW/m2 with bursts about every 30 sec to 300-420 µW/m2.**

When I asked if I could forward them a video about the health effects of smart meters, I was informed that PSE has all the information out there and their meters are not smart meters. In a later conversation with PSE, my husband was told that PSE was aware of the issue and were working on it. We can't 'opt out' because there are no analog meters. When I asked PSE, "Does the Cellnet AMR system use a Switching Mode Power Supply?" their written reply was, "PSE does not track this information." Really?! **Utilities are not required to track health/safety data of devices they force upon us?**

PSE even emailed me a few methods that other customers have shared to shield their meter and protect themselves from exposure. Although, I think it kind of PSE to offer some remedies that may have helped

other customers, this confirms that other customers ***are*** experiencing concerning issues with their smart meters.

Some may argue that I must be sensitive – everyone doesn't respond this way. I didn't respond this way either… before. I have become sensitized to the chronic and multiple RFR exposures just as others have before me, worldwide, and will continue to after me, until governments make public health a priority. There is something seriously wrong with a society that values profit over public and environmental health – that makes consumers bear the burden of proof of the ill effects of a product, instead of requiring the manufacturer to prove safety BEFORE it goes to market.

There are hundreds of studies showing biological/health effects below the current FCC thresholds. Instead of the FCC taking action to increase public safety, they have taken steps to reclassify the pinna, or outer ear, as an extremity, creating less stringent exposure standards. This is clearly not an action with the interest of public health and safety in mind, just the interest of industry.

I am suggesting before more people, animals or plants are injured, or dead, due to the frivolous expansion of this Wireless Age that the FCC decrease maximum permissible exposures; take the advice and direction of the 29 international experts who authored the 2012 BioInitiative Report after studying over 1800 new (post 2007) peer-reviewed scientific studies and concluded again "that exposure to EMF and radiofrequency radiation (RFR) produces biological effects and adverse health effects at levels significantly below existing public exposure standards, and substantially below levels identified in 2007;" and place the health/safety of the United States before the interests of industry. I hope the FCC finds these numerous public comments as 'proof' enough of a serious problem.

Respectfully,

Karen Nold

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