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The Unspoken Impacts of Smart Meters. Microwave Technologies RFs/EMFs « Harm Human Health »

Case Testimony Before The Pennsylvania Public Utility Commission: What No One Wants To Acknowledge About EMF Damage

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This is the continuation of the testimony I will present before the Pennsylvania Public Utility Commission's Administrative Law Court November 2 and 3, 2016.

A very similar scheme, I offer, currently is being used and foisted upon customers and consumers by vested interests and even the PA PUC I may add, which depend upon fifty-year-old or more, *radar science* heat-producing *(thermal)* studies to prove that microwave technologies RFs/EMFs do not harm human health, while specifically totally disregarding and discrediting scientifically documented Non-thermal health effects in order to cash in on federal grant monies that promote what's being called "The Internet of Things" or the "Grid."

Moreover, the U.S. military document in Exhibit L indicates that RF/EMF microwave safety is not cost effective and, therefore, always has been avoided and deliberately not pursued further. That deliberate fact needs to be prosecuted as crimes of conspiracy, collusion and racketeering to maintain specific military vested interests, *which have impacted industry*, including controlling a one-sided inaccurate assessment of science and technology, detrimental to human health and the environment.



According to the study "Epidemiologic evidence relevant to radar (microwave) effects" published in 1997 online at *Environmental Health Prospectives,* PECO, Exelon, and the PA

PUC must consider the following regarding cancer and EMFs, which are created by microwave functioning AMI Smart Meters, including the "dirty electricity" they create:

> Public and occupational exposures to microwave (RF) are of two main types. The first type of exposures are [sic] those connected with military and industrial uses and, to some extent broadcast exposures. It is this type that most of the data cited in this study draw upon. The second type, cellular telephones and their associated broadcast requirements, [which AMI Smart Meters operate on] have raised concerns about current exposures because of their increasingly widespread use. Four types of effects were originally reported in multiple studies: increased spontaneous abortion, shifts in red and white blood cell counts, increased somatic mutation rates in lymphocytes,and increased childhood, testicular, and other cancers. In addition, there is evidence of generalized increased disability rates from a variety of causes in one study and symptoms of sensitivity reactions and lenticular opacity in at least one other. These findings suggest that RF exposures are potentially carcinogenic and have other health effects. Therefore, prudent avoidance of unneeded exposures is recommended as a precautionary measure. [1] [CJF emphasis added]

Additionally, I introduce Exhibit R-2 *Scientific-Medical Evidence on EMF Radiation,* which further corroborates the medical science affirming non-thermal health effects from RF/EMF radiation.

Science promotes the recommendation for using precautionary measures or the Precautionary Principle[2], *which, in the case of AMI Smart Meters, is the avoidance of RFs/EMFs.* Frompovich has proven in her answers to Attorney Smith's interrogatories that she lives, as humanly possible, an electromagnetic-free lifestyle as possible since she has no RF/EMF-producing appliances, gadgets, or even a TV in her home. And yet, Frompovich is being harassed and threatened with no electric power if she does not submit to scientific folly, corporate agendas, and ill-found administrative mandates that depend upon 1940s radar science when it is now 2016!

Talk about insanity surrounding AMI Smart Meters! Duquesne Light had been harassing utility customers because of AMI Smart Meter malfunctions, which were explained away as "Smart Meters are like computers, and discrepancies and technical issues occur." However, no technical issues occurred for decades with safe, efficient, non-plastic parts, non-RF/EMF-producing analog meters.

I have a question for the PA PUC: Are you aware of the inefficiencies of AMI Smart Meters; how they are causing all sorts of heartaches—literally and figuratively—for customers? And, pray tell, what are you doing about them, other than holding hearings like mine and allowing, and even enabling, consumer health and domestic problems?

Reporter Jon Delano of KDKA2 TV, a Pittsburgh CBS affiliate, reports about one customer whose first bill, after the AMI Smart Meter was installed, went from previous monthly bills of $42 to $2,545.13! Another customer reported receiving zero bills for electricity used, and then was harassed and threatened with service termination for non-payment!

It's totally outrageous what goes on with AMI Smart Meters, their malfunctions, safety issues like fires and, most of all, their politics! How can customers trust they are not getting ripped off by utility companies with the obvious blessing of the PA PUC when bills skyrocket for no

apparent reasons?

Here's what ought to be most perturbing information for the PA PUC and all entities involved in pushing RFs and EMFs AMI Smart Meters on to *unsuspecting public consumers*. This is happening in Australia where a judge has allowed the case to proceed through that legal system:

Over the past few years, New Farm resident Louise Brosnan has lead [sic] *the community charge in raising awareness regarding her findings relating to EMR (electromagnetic radiation) and to stop Telcos emitting harmful exposure. Her efforts and research have been an attempt to get people doing something about this menace – but also to provide awareness to unsuspecting residents.* Louise suffers from microwave sickness or electro-hypersensitivity and claims that Telcos via their installation of a mobile phone tower emission have threatened to assault her with unseen electrical energy. *Increasingly, in many territories, wi-fi is being removed from schools and hospitals.[3]*

That assault threat is deemed sufficiently legal to allow Ms. Brosnan's case to proceed through Australia's legal system. We need such legal awareness, e.g., assault and battery from microwaves and their generation, in the USA, I offer. Australian law recognizes the culpability involved from microwave-generated RFs/EMFs. Furthermore, Frompovich stresses that microwave assault and battery legal actions probably soon will—and should—follow within the USA legal system.

Additionally, I feel morally obligated to mention that some researchers are noticing parallels between EMF effects and autism physiology. Dr Martha R Herbert, PhD, MD (Harvard Medical School, MGH Neurology, Martinos Center for Biomedical Imaging, TRANSCEND Research, Higher Synthesis Foundation & Higher Synthesis Health) gave a slide presentation titled "Parallels between EMF effects and Autism Findings," accessible at the Pediatric Societies Conference in May of 2016.

https://drive.google.com/file/d/0ByIQaPLaf3_PQUl0MFA1RXFIMGM/view?pref=2&pli=1

So what do EMFs do physiologically to impact autism physiology? According to Dr Herbert, there's a page full of twelve (12) physiological issues, which I will not read but introduce as Exhibit P, *"Parallels Between EMF Effects and Autism Findings."* Additional information can be found at Footnote [4] of my written testimony.

Dr Herbert's slide presentations *Conclusions* need to be taken seriously insofar as she says that *"EMF is likely to make autism's cellular, metabolic and nervous system physiological dysfunctions worse,"* and that "*Reducing EMF exposures could reduce severity and incidence of autism."* If that be the case, AMI Smart Meters on every house may become the proverbial albatross around utilities necks when class action lawsuits, similar to those filed for prescription drug damages, start being filed by parents whose children are impacted by microwave RFs/EMFs and dirty electricity travelling on their homes' wiring generated by AMI Smart Meters 24/7/365, as often as every 15 seconds, 9600 times a day!

Personally, I recommend the PA PUC look further into how RFs/EMFs, AMI Smart Meters and Wi-Fi in schools are adversely impacting children, who are the most vulnerable to RF/EMF radiation.

Moreover, I'd like to impress upon this court, the PA PUC, and all utility companies installing

and operating AMI Smart Meters what the American Academy of Environmental Medicine states in its "Electromagnetic and Radiofrequency Fields Effect on Human Health" paper Exhibit I:

While it was practical to regulate thermal bioeffects, it was also stated that non-thermal effects are not well understood and no conclusive scientific evidence point to non-thermal based negative health effect. Further arguments are made with respect to RF exposure from WiFi, cell towers and smart meters that due to distance, exposure to these wavelengths are negligible. However, many in vitro, in vivo and epidemiological studies demonstrate that significant harmful biological effects occur from non-thermal RF exposure and satisfy Hill's criteria of causality[5]. Genetic damage, productive defects, cancer, neurological degeneration and nervous system dysfunction, immune system dysfunction, cognitive effects, protein and peptide damage, kidney damage, and developmental effects have all been reported in the peer-reviewed scientific literature. Pg. 2 [Printed copy provided]

And this from "Health Impacts of Radiofrequency Exposure from Smart Meters" April 2011, a 52-page report prepared by the California Council on Science and Technology:

> Two Types of Radio Frequency Effects: Thermal and Non-Thermal
>
> Household electronic devices, such as cellular and cordless telephones, microwave ovens, wireless routers, and wireless smart meters produce RF emissions. Exposure to RF emissions may lead to thermal and non-thermal effects. Thermal effects on human have been extensively studied and appear to be well understood. The Federal Communications Commission (FCC) has established guidelines to protect public health from known hazards associated with thermal impacts of RF: tissue heating from absorbing energy associated with radiofrequency emissions. Non-thermal effects, however, including cumulative or prolonged exposure to lower levels of RF emissions, are not well understood. Some studies have suggested non-thermal effects may include fatigue, headache, irritability, or even cancer.
>
> https://ccst.us/publications/2011/2011smart-final.pdf Pg. 4 [CJF emphasis added]

I'd be extremely lax if I did not address and question the "Cost Effectiveness" of AMI Smart Meters, which other states Attorneys General and Utility Commissioners have studied and feel do not support a mandated roll out, like Pennsylvanians are experiencing.

I introduce Exhibit Q Smart *Meters Cost Effectiveness Questioned* into the record along with the specific request that the PA PUC provide Frompovich the study regarding cost effectiveness or feasibility studies documenting AMI Smart Meters' ability to effectuate consumer savings that was done before, and presented to the PA PUC prior to, the roll out in Pennsylvania.

Such a study certainly should have to have been required and done to comply with the *PA PUC Title 66 §1501 Utilities Not Harm Customers*, as part of a feasibility study regarding implementing a new product and/or type of service before deployment or roll out. What is the date of that study, and may I please have a copy of it?

Furthermore, may I respectfully remind everyone that PECO had to stop installing, plus

reinstall close to 200,000 AMI smart meters[6], due to the Sensus AMI smart meter fires [7] that were occurring in the metropolitan Philadelphia area. One AMI smart meter fire, about which I reported internationally, has made the family destitute and no one at the PA PUC or PECO has stepped up to the plate to correct the damage caused by the installation of an AMI smart meter![8]

However, *there is one last measure of unfinished business;* it concerns Chairman Robert Godshall of the PA House Consumer Affairs Committee, who has sat on AMI Smart Meter opt-out bills for years and continues to this day to NOT call up, nor release, several bills currently in that committee.

Since PA state legislators have heard the plea from citizens for redress to government and introduced appropriate bills to deal with AMI Smart Meters, I allege that Chairman Godshall is depriving all Pennsylvanians of due process, plus redress from harmful health effects to citizens minds, bodies, and health by not allowing said opt-out bills to be released for a vote, which subsequently will pass that committee and the entire state legislature.

Representative Godshall knows that and is acting to prevent those bills from becoming law, I contend. Therefore, I allege Chairman Godshall is acting in his own or industry's best interests—not Pennsylvanians and either should recuse himself, since his son Grey works or worked for PECO/Exelon, which prompts conflict of interest claims, or there should be a recall of Representative Godshall who is preventing Pennsylvanians from having their grievances heard about AMI Smart Meters and NOT processing bills introduced into the legislative process to rectify AMI Smart Meter hardships. Other states have enacted opt-out legislation for AMI Smart Meters, so what's preventing Representative Godshall from releasing those bills?

May I respectfully remind the PA PUC, every PA state legislator, and all state government agency administrators, *who actually function as fiduciaries in their relationships with taxpaying citizens,* that you should be demanding Representative Godshall's resignation for his blatant exercise for several years of what appears to be a pre-set and/or determined agenda, or course of action, that is not in the best interests of Pennsylvanians' health and wellbeing, but smacks clearly of a conflict of interest and even possible collusion.

And finally, the following are my closing remarks.

Unfortunately and most dramatically, a classic example of government inefficiencies and governmental agencies' questionable and inaccurate health information and/or advisories, or more accurately—the lack of correct and proper health information or science, plus probable "vested-interest data propaganda," input is the U.S. Environmental Protection Agency's totally inept and clearly ludicrous daily September 11, 2001 event air quality reports during the World Trade Center implosions that contended air quality was safe, along with insistent admonitions to go back to work in that area and get on with life as normal.

Such GROSSLY inaccurate information for all involved, especially first responders, EMS personnel, rescue and recovery crews, plus deconstruction and reconstruction crews later on, now has been proven scientifically false and apparently driven either by blatantly unqualified or deliberately bad scientific information, OR possibly, a deliberate "conspiracy" to keep important air quality health damaging information from those brave men and women who put their lives in danger to help their fellow human beings. I, for one, remember that day and salute with the highest esteem I can muster those brave and

selfless souls and their families who have suffered the consequences of government stupidity or malfeasance, deliberate or otherwise, I offer.

There were extremely high levels of toxic contaminants—chemicals, heavy metals and questionable particulates—and federal, City of New York and State of New York health officials knowingly did NOT protect the public's health, only doggedly reassured and told obvious scientific lies, which leads Frompovich to question if similar *modus operandi* are employed with regard to electromagnetic frequencies non-thermal adverse health effects from microwave technology being forced upon Pennsylvanians via utility companies' AMI Smart Meters and PA PUC's regulations, despite what HB2200 stated:

(f) (2) (i) *upon request from a customer that agrees to pay the cost of the smart meter at the time of the request.*

Frompovich's question to PECO and the PA PUC is this: How many PECO customers requested an AMI Smart Meter? May I please have the number of customer requests for a smart meter, plus the cost of each customer's meter? *I'd be willing to wager neither of you have had such requests!*

After all the scientific research, publications and documentation Frompovich has introduced into this hearing record, especially the Bioinitiative 2012 report with 1800 new studies that I introduce as Exhibit R-1, the PA PUC, PECO, all Pennsylvania utility companies, the media and federal government agencies surely *now must know* the current scientific facts about EMFs/RFs and electromagnetic hypersensitivity (EHS) problems emanating from microwave technologies by which AMI Smart Meters operate.

What is the PA Public Utility Commission going to do about it now that you know?

Unfortunately, human nature is such that humans cannot understand, nor appreciate, the problems others are saddled with, which some even consider as 'odd' *UNTIL*—and here's the key moment—one actually experiences those very same problems, but then it's too late. Have any of you walked in an EHS person's shoes? When you contract electromagnetic hypersensitivity (EHS), you, too, I can almost guarantee, will become totally distraught and demand relief.

What is the PA PUC going to do to relieve the fear, mental and physical anguish and suffering of those who have forced retrofitted AMI Smart Meters on their homes, plus all the harassment Pennsylvania consumers who refuse(d) being damaged by AMI Smart Meter EMFs receive(d); are bullied about; and/or threatened with loss of service and/or fines?

Where is the PA PUC's collective government conscience and fiduciary responsibility regarding the PA PUC's safety mission?

Where is the current experimental—*not epidemiological*—science proving there are no EMF/RF non-thermal adverse health effects? Frompovich requests that PECO please produce them to her and the PA PUC Administrative Law judges *before any decision is rendered by this court in the Frompovich case.*

Lastly, where are the PA PUC members' individual senses of integrity, honor and agency decency regarding implementation of Act 129 of 2008 as actually passed by the legislature as HB2200, not what PA PUC employees *"believed"* legislators had passed?

I rest my case, and thank you very much for the opportunity to present my testimony, which I respectfully ask be printed in its entirety as part of this hearing record, with no deletions and/or redactions.

Catherine J Frompovich
November 2, 2016

Notes:

[1] http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1469943/
[2] http://www.precautionaryprinciple.eu/
[3] https://app.box.com/s/svj3a4q7pi77dzrtxg3ekbn4dmp26ppm
[4] http://ehtrust.org/wp-content/uploads/2016/04/MarthaHerbertPAS-Handout-1.pdf Pp. 2-3
[5] https://en.wikipedia.org/wiki/Bradford_Hill_criteria
Criteria: Strength, Consistency, Specificity, Temporality, Biological gradient, Plausibility, Coherence, Experiment, Analogy
[6] http://marylandsmartmeterawareness.org/smart-meter-news/after-tests-peco-to-resume-smart-meter-installations-sensus-defends-their-meters/
[7] http://articles.philly.com/2012-08-16/news/33217445_1_smart-meters-smart-meter-installation-sensus
[8] http://www.activistpost.com/2015/06/smart-meters-fire-living-hell-and.html

Catherine J Frompovich (website) is a retired natural nutritionist who earned advanced degrees in Nutrition and Holistic Health Sciences, Certification in Orthomolecular Theory and Practice plus Paralegal Studies. Her work has been published in national and airline magazines since the early 1980s. Catherine authored numerous books on health issues along with co-authoring papers and monographs with physicians, nurses, and holistic healthcare professionals. She has been a consumer healthcare researcher 35 years and counting.

Catherine's latest book, published October 4, 2013, is Vaccination Voodoo, What YOU Don't Know About Vaccines, available on Amazon.com.

Her 2012 book A Cancer Answer, Holistic BREAST Cancer Management, A Guide to Effective & Non-Toxic Treatments, is available on Amazon.com and as a Kindle eBook.

Two of Catherine's more recent books on Amazon.com are Our Chemical Lives And The Hijacking Of Our DNA, A Probe Into What's Probably Making Us Sick (2009) and Lord, How Can I Make It Through Grieving My Loss, An Inspirational Guide Through the Grieving Process (2008)

Catherine's NEW book: Eat To Beat Disease, Foods Medicinal Qualities ©2016 Catherine J Frompovich is now available

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