

Melnykovich, Andrew (PSC)

From: Melnykovich, Andrew (PSC)
Sent: Wednesday, February 26, 2014 2:00 PM
To: 'song bird'
Subject: your additional comments in case 2012-00428

Ms. Holloway-

This information and the information conveyed with the e-mails below will be placed into the case file in the above-referenced proceeding.

Andrew Melnykovich

Director of Communications
Kentucky Public Service Commission
211 Sower Boulevard
Frankfort, KY 40601
502-782-2564 cell:502-330-5981

RECEIVED

By Kentucky Public Service Commission at 3:09 pm, Feb 26, 2014

From: song bird [REDACTED]
Sent: Wednesday, February 26, 2014 11:39 AM
Subject: Smart Meter Damage Report from Chief Science Officer/Engineer

Attached Please find the Letter from Curtis Bennett who is a Chief Science Officer, Engineering Tchnologist and consultant.

Please be sure to notice **all the liability** that comes with the decisions that are being made regarding Smart Meters, Wifi, and Smart Grid Technologies.

Note Fire Hazards, Health Hazards, etc.....

Please add this to Case File 2012-00428

Melnykovych, Andrew (PSC)

From: song bird <[REDACTED]>
Sent: Wednesday, February 26, 2014 8:54 AM
Subject: Smart Meter Violations in Building, Fire, Electrical and Health Codes
Attachments: BC Energy Minister on Wireless & Building Code.pdf

Dear Mr. Melnykovych,

I would suggest you and the entire PSC read the attached letter from Chief Science Officer and Engineering Technologist Curtis Bennett very carefully.

I believe this will help you to understand the seriousness and the liability involved with allowing the continuance of the installment of the smart meters and any and all smart grid technologies.

If none of you can understand it from a health perspective, perhaps you will see the seriousness of it from an electrical and privacy standard?

Money needs to stop being the motivation for this project!

Please make sure you read this document thoroughly and then place it in Case File 2012-00428

Sincerely,

Ruby Holloway

Melnykovich, Andrew (PSC)

From: PSC - Public Information Officer
Sent: Wednesday, February 26, 2014 11:41 AM
To: Melnykovich, Andrew (PSC)
Subject: FW: Neurosurgeon Research for Case 2012-00428
Attachments: Neurosurgeon Research on SM and Wifi.doc

From: song bird
Sent: Wednesday, February 26, 2014 11:40:19 AM (UTC-05:00) Eastern Time (US & Canada)
Subject: Neurosurgeon Research for Case 2012-00428

Dear Mr. Melnykovich,

Please include the following notice with link to the live video of damage caused to brain after exposure to wifi in case 2012-00428.

This study was done by a neurosurgeon.

<http://www.sott.net/article/251394-Neurosurgeon-Shows-How-Low-Levels-of-Radiation-Such-As-Wi-Fi-Smart-Meters-And-Cell-Phones-Cause-The-Blood-Brain-Barrier-To-Leak>

Thanks

----- End of forwarded message -----

Melnykovich, Andrew (PSC)

From: [REDACTED]
Sent: Wednesday, February 26, 2014 1:19 PM
Subject: Blood Cells Destroyed by Smart Meters
Attachments: Smart Meter Live Blood Cell Analysis.doc

I thought you might also like to see live video of our Blood Cells being destroyed when exposed to the Smart Meters!

THERMOGRAFIX

consulting corporation

March 7th, 2012

British Columbia Government
Parliament Buildings - Room 128
Victoria, B.C.

Att: Energy Minister
cc: Fire Services, MLA Norm Letnick, First Nations, Municipalities, et al

Re: Radio Frequencies Compromising Buildings, Fire Separations, Electrical Systems, Fire Safety, Infrastructure, etc.

Dear Mr. Coleman,

The science of building inspections, building compliance, fire safety, engineering, education, etc is changing daily with the incorporation of more wireless technologies. In order to communicate with smart or wireless devices, wireless infrastructure has to cover entire cities and areas with high speed EMFs. Municipalities, architects, engineers, fire services, education, etc have to be informed that building development and infrastructure is being radiated by high speed EMFs. Development isn't designed for it, insured for it, funded for it and it will adversely affect development objectives.

Technology moving faster than science and education has already produced critical errors for the limits of human exposure. Ecosystems, pollinators, building development, biology or biological systems all have their own electricity and frequencies. Biological systems are very vulnerable to EMFs and literally **every** change in frequency exposure from 3 KHz(3000 Hz) to 300Ghz(300,000,000,000 Hz) is a different electrical/biological/neurological/physiological, etc equation that isn't being considered.

Limits of Human Exposure to RF EMFs

Health Canada's Safety Code 6 is the law governing limits of human exposure to Wi-Fi, smart meter and cellphone **frequencies**. Canada uses the same science standards as the FCC and other international organizations. Even though safety standards are based on decades of scientific literature, the code admits the mechanism has been missing linking the frequencies to adverse health effects.

The mechanism linking the frequencies to adverse health effects was reported to Health Canada and by expert witness through Canadian Parliament's Standing Committee on Health. An error or omission in Safety Code 6 prevented the mechanism linking adverse health effects from being represented. Safety Code 6 failed to include the volts, amps, frequencies, power densities, etc or vulnerability of **EACH** impacted biologic system with **EACH** specific frequency.

Smart meters, laptops and cell phones are considered low emission devices that distance makes safer? The high speed EMF bombardment from towers, collectors, routers, etc with vulnerable people effectively in the circuit was left out of Safety Code 6.

The danger of this particular code missing a critical science mechanism is that application of law changed immediately with the mechanism found. **Stimulation of tissue is to be avoided** and the Specific **Absorption Rate** reporting a power density/sq. cm validates stimulation. Safety Code 6 says it causes nerve stimulation(EMF Trigger)

The dangers of EMFs is now lectured in medical education for education credits medical professionals require for licensing. Doctors, medical education and insurers will need to consider wireless environments stimulating the neurology of their patient in diagnosis.

Building Code & Fire Separations

Blanketing areas with frequencies for ease of communication has serious ramifications on buildings and infrastructure that requires immediate attention. BC Building Code and Part 4 don't want buildings subjected to molecular earthquakes. If you aggressively vibrate or electromagnetically induce everything, engineers, education, fire services and professionals at many levels have to be informed. You will have catastrophic failures with a domino effect at several levels, even fish spawning, forest fires, severe weather.

We are surrounded by frequencies **we handle with care** whether 60 Hz for creating electricity, UV frequencies burning skin, x-ray frequencies for medical imaging, microwaves, solar radiation EMFs impacting building code, etc.

Natural EMFs like solar radiation are so important, it is addressed in building codes. Urban Heat Islands were thought to be warmer areas, we couldn't see buildings being radiated by solar EMFs. Los Angeles alone is reported to spend over 100 million a year in energy costs responding to the symptoms. High speed excitation produces heat grossly exceeding Building Code. Infrared images were taken every 60 seconds after sunrise to document solar EMF interaction. <http://youtu.be/dKGHKtkqeMc>

I have attached an electrical example report for Forest Industry & their insurers to avoid losses with dangerous frequency failure at 60 Hz. We wire and construct building development as well as infrastructure to keep people safe from EMFs. We run cables instead of single conductors so the 60 Hz EMFs from each conductor cancel each other out. When we don't, the expanding and collapsing EMFs from singular wires would impact anything they interact with.(see attached electrical example)

Frequencies blasting across the atmosphere to communicate with smart devices will interact with all infrastructure including industry. Electromagnetically induction and high speed vibrations penetrating concrete isn't our objective. Whether smart meters on buildings or Wi-Fi in schools, frequencies are going through walls and structures. Towers, collectors or wireless infrastructure is communicating with meters and meter banks. The frequencies are blasting buildings, everything on the way there and going through structural components as well as fire separations. 900 MHz going through walls is going to cause molecules of construction material to change direction 1.8 billion times per second. 2.4 GHz or 5 GHz in schools means 4.8 or 10 billion times per second. Would the frequencies going through refractory lined vessels affect the integrity of the vessels used in industry?

That is independent of electrical and mechanical systems or appliances being impacted. Inducing electrical wiring, vulnerable devices, appliances, pacemakers, health monitoring equipment while vibrating the equipment at high speeds is dangerous. Blasting frequencies can induce charges where a static trigger could cause a spark in volatile environments including lumber, oil, gas, grain elevators, etc, etc and endless potential.

Design Professionals including professional engineers, fire services have to be informed when a structure will be vibrated billions of times per second. Buildings subjected to frequencies have to be designed for it i.e. RF Engineer from Norad reported their buildings had grounded copper mesh to address the potential charge from frequencies.

Engineers, municipalities, building inspection, etc can't rule out the building's structure and fire separations compromised as a result of frequency interaction. Multiple smart devices under more load will increase the intensity of the molecular earthquakes caused to structures, fire separations, electrical systems, etc. Meter banks on highrises are in the basement or on the ground floor and vibrating the structure holding up the highrise.

Professionals signing off on buildings, municipalities, developers, fire services, insurers and banks haven't been informed the function of their building has changed as would liability. It brings complex liabilities forward which require clarification from the authorities having jurisdiction. If studies were completed on building and infrastructure safety, please advise ASAP. Every minute of this subtle radiation compounds problems.

We design fire separations to contain a fire and fire rated drywall changing direction 1.8 to 10 billion times **per second** with frequency exposure is going to impact fire separation integrity and perceived safety of fire fighters.

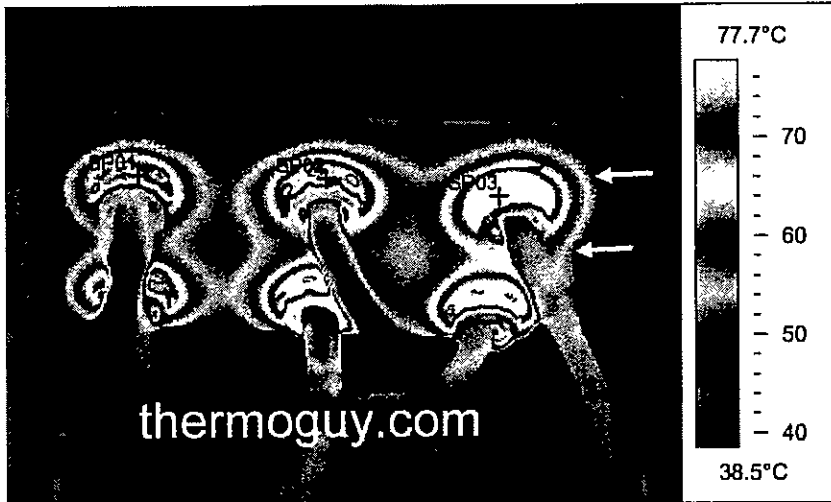
Additional information is linked for your education on this urgent issue. Please provide the appropriate response so we can address building inspections and building compliance for municipalities, professionals and insurers. Wi-Fi, smart meters and cellphones are determined to be low emissions devices that can be used 24/7. At billions of times per second, 24 hours per day and 7 days a week, how much can a structure or fire separation take before the building isn't safe?

The liabilities across the board for a technology replacing required construction include our own. Engineering and science professionals have to consult based on existing science and law. Your response as the authority and the corresponding reporting is required.

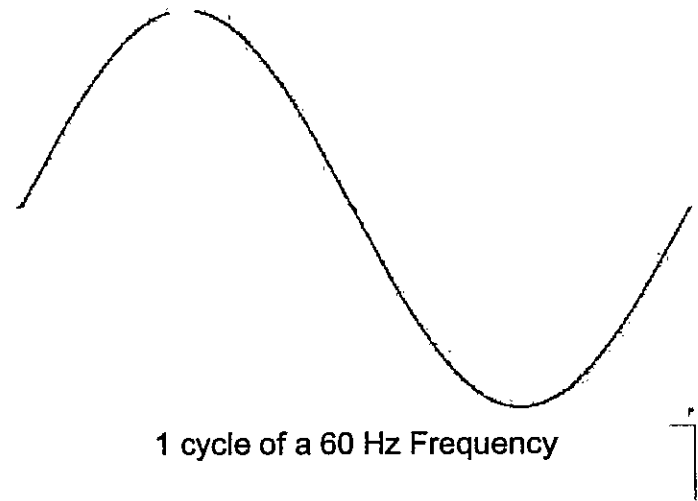
Sincerely,

Curtis Bennett

Chief Science Officer
Interprovincial Journeyman Electrician(Red Seal)
Engineering Technologist
Adjunct Faculty, IHF & GEDI
Thermografix Consulting Corporation
www.thermoguy.com/urbanheat.html
250-765-9897



IR information		Value
Date of creation		7/11/2002
Time of creation		9:03:22 AM
Label		Value
IR : max		88.3°C
IR : min		34.6°C
SP01		68.9°C
SP02		76.2°C
SP03		88.2°C



Example of Extremely Low Frequency (60 Hz) Causing Electrical Failure

Infrared electrical inspections for oil, gas, energy, petrochemical, manufacturing, lumber, mines, insurers, etc are to isolate electrical problems before they fail. Failure can cause explosions, fire, injury, loss of life, production and economic losses.

The IR image above are called parallel feeds, big wires feeding a Motor Control Centre in a lumber mill. Electrical professionals accommodate the EMFs around **each** conductor using a non magnetizing insulating board. This installation didn't use the Mica board so the 60 Hz EMFs of each conductor are causing the molecules of affected metal cabinet to change direction at twice the frequency. Metal doesn't change direction easily and heat is a byproduct. The wire insulation is rated for 90 deg. C. and close to being exceeded. Breakdown in insulation would result in a groundfault and violent explosion. This is with extremely low frequencies.

Natural frequencies like solar EMFs can cause buildings to grossly exceed building code by causing excitation of absorbent versus reflective exteriors. This is a link to a time-lapsed infrared video of solar EMFs interacting with development right after sunrise. IR images were taken every 60 seconds without expectations. <http://youtu.be/dKGHKTkqeMc>

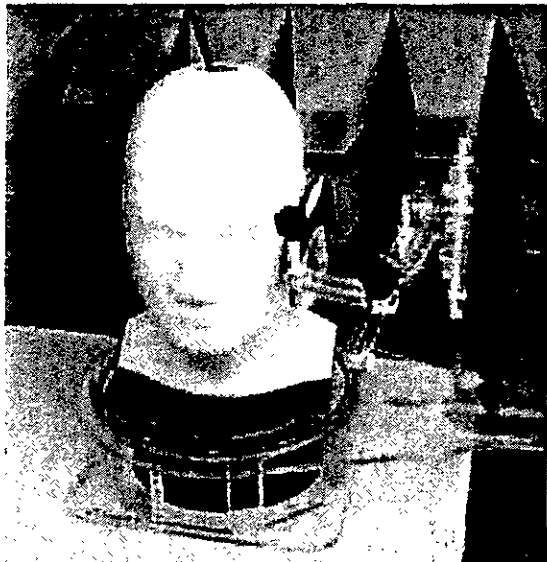
Wi-Fi, smart meters or RF EMFs going through walls is causing structural components, fire separations, etc to vibrate 1.8 to 10 billion times per second. That affects building code compliance.

THERMOGRAFIX

consulting corporation

Specific Absorption Rate(SAR) Update

http://www.compliance-club.com/archive/tuv/sar_update.asp



To the left is the science that determines wireless safety. Fluid is poured in the top where a temperature probe measures heat with EMF absorbed by cell phone only.

The frequency from the cell towers to cell phone radiating human biological systems isn't considered.

Smart Meters are considered safer because the meter isn't against the head. ***The frequency interactions between the meters, towers, collectors, etc electromagnetically inducing human biological systems isn't considered.***

Wi-Fi is considered safer because the laptop isn't held next to the head. ***The frequency interaction between the routers and laptops electromagnetically inducing the entire classroom isn't considered.***

http://www.thermoguy.com/pdfs/Wi_FI_Health_Risk_Advisory.pdf

Canada's Safety Code 6 governs the limits of human exposure to RF EMFs. These are the same science standards used by the FCC and other international bodies. Although these standards are based on decades of scientific literature, Safety Code 6 admits the mechanism linking the frequencies to adverse health effects is missing. A frequency code missing a mechanism is dangerous, the application of existing law can change as soon as the mechanism is found. ***"The predominant health effect to be avoided is stimulation of tissue or the heat effect."*** Experimental studies show it can lead to nerve and muscle stimulation.

The missing mechanism was reported by government trained electrical professionals to Health Canada and by expert witness at the request of Canadian Parliament's Standing Committee on Health. There were errors or omissions in safety standards that prevented the mechanism from being represented. The electricity, frequencies and vulnerability of biological systems to EMFs were left out. The towers, wireless infrastructure and routers smothering the planet with high speed frequencies to communicate with wireless devices were left out of the equation. Scientific standards were using an incomplete equation.

Read Safety Code 6 where you can see they negate to include the electricity of the body, voltages, frequencies or frequency interaction with intricate, very vulnerable biologic systems. No tower, infrastructure or router EMFs considered. http://www.thermoguy.com/pdfs/Safety_Code_6.pdf

As soon as you incorporate the electrical information, it scientifically validates the frequencies are stimulating tissue. EMF induction at high speeds adversely affects biology in many ways. Just the frequencies going through people causes high speed polarization at twice the frequencies. Impacted atoms and molecules will change direction from 1.8 billion to 10 billion times per second with smart meters or Wi-Fi. Heat is only one byproduct of this high speed EMF radiation interaction with biology. The test model above isn't showing EMF interaction. This link will demonstrate how aggressively solar EMFs can interact with building development. <http://youtu.be/dKGHKtkqeMc>

With the mechanism reported linking the frequencies to adverse health effects, the dangers of EMFs is lectured in medical education for continuing education credits medical professionals require for licensing. http://www.thermoguy.com/pdfs/Medical_Education_Letter_on_Wireless_Lectured_in_Medical_Academia.pdf

Standards and testing on frequency safety address health only. Blasting the frequencies through buildings, fire separations, infrastructure, industries, wiring affects building code compliance and fire safety. Pacemakers, bees, pollinators, ecosystems have to be addressed.

<http://www.sott.net/article/251394-Neurosurgeon-Shows-How-Low-Levels-of-Radiation-Such-As-Wi-Fi-Smart-Meters-And-Cell-Phones-Cause-The-Blood-Brain-Barrier-To-Leak>

(See Videos)

[Neurosurgeon Shows How Low Levels of Radiation Such As Wi-Fi, Smart Meters And Cell Phones Cause The Blood Brain Barrier To Leak](#)

Marco Torres

PreventDisease.com

Tue, 18 Sep 2012 02:46 CDT



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Neurosurgeon and researcher Dr. Leif Salford has conducted many studies on radio frequency radiation and its effects on the brain. Dr. Salford called the potential implications of some of his research "terrifying." Some of the most concerning conclusions result from the fact that the weakest exposure levels to wireless radiation caused the greatest effect in causing the blood brain barrier to leak.

Since he began his line of research in 1988, Dr. Leif Salford and his colleagues at Lund University Hospital in Sweden has exposed over 1,600 experimental animals to low-level radiation. Their results were consistent and worrisome: radiation, including that from cell [phones](#), caused the blood-brain barrier--the brain's first line of defense against infections and toxic chemicals--to leak.

Researchers in 13 other laboratories in 6 different countries had reported the same effect, but no one had proven whether it would lead to any damage in the long term. In a study published June 2003 in *Environmental Health Perspectives*, Salford's team repeated the experiment on 32 additional animals, but this time waited eight weeks before sacrificing them and examining their brains. In those animals that had been exposed to a cell phone, up to two percent of the neurons in all areas of the brain were shrunken and degenerated.

Salford, chairman of the Department of Neurosurgery at his institution, called the potential implications "terrifying." "We have good reason to believe," he said, "that what happens in rats' brains also happens in humans." Referring to today's teenagers, the study's authors wrote that "a whole generation of users may suffer negative effects,

perhaps as early as in middle age."

Dr. Devra Davis, author of "Disconnect" explains the science of cell phone radiation in a very comprehensive way. For example she shows photos of two cells, one whose DNA has been damaged by "gamma" radiation (which is what was emitted in Hiroshima) and another cell damaged by low level pulsing non ionizing radiation (from a cell phone). Both cells look very damaged compared to a normal cell; but she even goes on to say the DNA from the cell exposed to the cell phone radiation looks worse. She also discusses the campaign to discredit reputable scientists and their studies--some of these reputable studies having been around since 1972 (Frey).

In May of 2011, the World Health Organization official recognized that wireless radiation such as emitted by "smart meters" is a possible carcinogen. After decades of corporately-funded, biased research being held up as "industry-standard", there are hundreds of independent peer-reviewed scientific studies now showing there is a clear health hazard with technology emitting wireless radiation in the range that "smart meters" do. Meanwhile, tens of thousands of people with a "smart meter" installed, have contracted illness, insomnia, rashes, headaches, and worse. And many have been forced to leave their homes entirely, due to health effects. What's more, in apartment buildings where 30+ "smart meters" are installed in a single electrical room, the dangers are even higher. There have been no long-term [health studies](#) done on this high level of Electromagnetic Radiation.

PBS Interview with Dr. Keith Black (neurosurgeon) regarding WHO's classification of RF Electromagnetic radiation as a 2b possible carcinogen. "We haven't had any good studies in the pediatric population. A child's skull is much thinner. . . .and the amount of radiation that goes into the pediatric brain is much higher than in an adult. So we should be cautious with how we allow our children to use a cell phone. They're going to be the ones that not only are going to use it at a much younger age but at a much longer duration."

Let's [start](#) connecting the dots and end this madness to our health and the health of future generations.

Marco Torres is a research specialist, writer and consumer advocate for healthy lifestyles. He holds degrees in Public Health and Environmental Science and is a professional speaker on topics such as disease prevention, environmental toxins and health policy.

[\(Register to add your comments!\)](#)

Reader Comments

[Dangers of Wireless Frequencies is Real](#)

By: [thermoguy](#)

Thank you very much for the information here. The disconnect between studies and the telecommunication's industry is the missing science in safety standards including the FCC. They use the Specific Absorption Rate(SAR) which admits people are absorbing RF energy but they only dealt with the end use device and not the rest of the wireless circuit. Here is the device used in the SAR, it is a plastic head for testing cell phones.

[\[Link\]](#)

Smart Meters and Wi-Fi were considered safer because the computers and meter aren't held against the head. Notice what is missing in the SAR? They thought a small part of the skull was heated by the phone, they left out towers or antennas communicating with the phone and hitting people from head to toe. Wi-Fi left out the routers smothering classrooms with children in the wireless circuit. Smart Meters left out relays, routers and collectors radiating 100s of sq miles to communicate with the meters. That creates a biological killing field over 100s of sq. miles.

They use thermal and non thermal references because they left out the frequencies or electricity of biological systems in a frequency equation. As soon as you incorporate the missing information it substantiates the biological reporting plus much more. It radiates buildings causing molecular earthquakes, induces a static charge in volatile areas, kills trees, fish spawning, induces pacemakers, health monitoring equipment, etc. [\[Link\]](#)

The American Academy of Environmental Medicine reported on Smart Meter dangers.

[\[Link\]](#)The dangers of the frequencies is now lectured in medical education for education credits medical professionals require for licensing. [\[Link\]](#)

Fires from unqualified installers changing meters under electrical load endangers every building. [\[Link\]](#)

Frequencies causing mutation after eggs radiated. [\[Link\]](#)

Thanks again for your work on reporting the truth of these dangers, the frequencies are illegal as applied now or extinction is the reality. There are reasons we wire devices and it is the missed global economy.

Sat, 29 Sep 2012 22:08 CDT

<http://stopsmartmeters.org.uk/live-blood-analysis-observable-effects-of-rfmw-radiation-from-smart-meter/>

Live Blood Analysis – Observable Effects of RF/MW Radiation from ‘Smart’ Meter

[Home](#) → [Health Effects](#) → Live Blood Analysis – Observable Effects of RF/MW Radiation from ‘Smart’ Meter

The following clip is an excerpt from upcoming documentary, Take Back Your Power – a critical investigation of the Smart Metering phenomenon and Smart Grid. It shows observable effects of the RF/MW radiation from a Smart Meter on human blood cells using dark-field microscopy.

Please watch and and take action to share this information as widely as possible.

More than 5,000 studies now show RF/MW radiation to be harmful to human biology, animals and plants. Acute and chronic exposure to RF (radio-frequency) and MW (microwave) radiation can, even at [very low power-densities](#), lead to not only the negative health effects shown in this video, but calcium ion damage in cells, endothelial cell dysfunction, nitric oxide depletion, oxidative stress, melatonin disruption, blood-brain-barrier leakage, DNA damage, sperm damage and more.

Glucose metabolism changes within the brain are observable after just [minutes of cell phone use](#).

The mechanisms for damage from non-thermal, non-ionising radiation exposure are now becoming clear.

Unfortunately, so-called “safety” thresholds maintained in the UK are woefully out of date and obsolete, permitting a deluge of highly-profitable, RF-emitting technologies to be introduced into our lives. Whilst attempts by campaigners in every country are being made to stem and reverse the tide of these environmental toxins, you can take positive action to protect yourself and your family by limiting your own exposure to RF and MW-emitting devices, such as Smart Meters, cell phones, [WiFi routers](#) and devices, wireless [baby monitors](#), wireless [alarm systems](#), wireless games consoles, etc.

For more information on Smart Meters, visit www.StopSmartMeters.org.uk. To watch the Take Back Your Power documentary, from 5 September 2013, visit www.StopSmartMeters.org.uk/film

You have the lawful right to refuse a Smart Meter. www.DontSmartMeter.me

Please alert your neighbours, friends and families to this important information.