

From: Jerry Flynn [jerryjgf@shaw.ca]
Sent: Wednesday, November 21, 2012 9:21 PM
To: Domingo, Yolanda BCUC:EX
Cc: Flintoff, Don BCUC:EX; Commission Secretary BCUC:EX
Subject: Request for permission to make a PowerPoint presentation to BCUC re Fortis' application for Smart Meters

Follow Up Flag: Follow up
Flag Status: Completed

Dear Yolanda.

Thank you for your letter, which prompted me to hereby formally request that I be permitted to make a PowerPoint presentation to the Commission Panel and other entitled and/or interested parties. My reasons for asking for this extraordinary consideration are explained below.

By anyone's measure, I do have a unique and extensive military background, which earned me recognition in various militaries of the world as an expert in Electronic Warfare, Radio Warfare and Signals Intelligence. Consequently, I have a much broader, bigger more realistic appreciation of what really is at stake here. We should definitely not simply be discussing Fortis' application to install smart meters in isolation - as if it were an island unto itself in the middle of an ocean. Instead, because of Fortis' decision to use wireless pulsed microwave technology as the basis for its intended meshed-grid network, we are obliged to discuss the broader subject of electromagnetic radiation (EMR) whether we like it or not. In my view, in the public's interest it is absolutely imperative that any serious discussion on Fortis' application must first consider three important things:

- 1) the history and evolution of microwave radiation and the irrefutable evidence that has been available for decades that proves that low-level, long-term non-thermal effects of microwave emissions - many hundreds and even thousands of times lower than Health Canada' Safety Code 6 - are harmful to not just humans but to all life forms;
- 2) the extraordinary ambient level of toxic EMR already polluting Kelowna's environment from the proliferation of similar wireless pulsed microwave devices as well as from AM and FM radio frequency transmitters, e.g., Wi-Fi routers, cell phones, cell phone towers, smart phones, cordless phones, laptop computers, iPads, tablets, BlueTooth, GPS satellites, home security systems, garage door openers, baby monitors, RFIDs, microwave ovens, radars, and AM and FM radio towers,. One needs to recognize that independent scientists say that the dramatic increase in most major illnesses over the past 30 years correlates almost exactly to the growth and proliferation of wireless devices in our society; and,
- 3) Health Canada's Safety Code 6 "Guidelines," which address only the thermal effects of microwave radiation - for an **Exposure Time of just 6 minutes!** - are one of the lowest/**most dangerous** in the entire world, contrary to their claim that Canadians are protected by one of the most stringent levels in the world. Austria, which has the world's lowest/safest 'guidelines' has guidelines **10,000** times lower (safer) than Canada's!

The minute Fortis BC chose wireless pulsed microwave technology as the backbone for its proposed meshed-grid network they unwittingly stumbled into an alien and devastatingly dangerous world about which they clearly have no knowledge! The evidence is on the Internet to support anything and everything I say! The militaries of Russia, the U.S. and Britain have experimented with microwave frequencies and both the thermal and non-thermal effects of microwave radiation since the late 1930s, and the Russians and Americans in particular have catalogued every single microwave frequency to the extent they know precisely which frequencies affect which organs or parts of the

human anatomy, what levels of radiation and how many pulses per second are required on each frequency to accomplish the desired results. Both countries essentially completed their study of microwave frequencies almost 40 years ago, but not before they each catalogued all of the illnesses caused by microwave radiation - both thermal and non thermal. While this information has been known, albeit by relatively few people, and meticulously documented, the U.S. military in particular has gone to great pains to conceal this information from the general public for fear (in their own words): "it would hurt the military and private industry." Fortunately, official reports have trickled out over the years, enabling us to realize what has gone on. Furthermore, even in non-military circles it is quite commonly known that the U.S., Russia, Britain and China (and probably other lesser countries as well) have all developed their own arsenals of highly sophisticated and lethal microwave-based electronic warfare weapons, which continue to grow daily, many of which are capable of emitting variable pulsed microwave emissions at different power levels on virtually any microwave frequency they choose, including those which Fortis and other naive utilities intend to use in their meshed-grid network. Some of those weapons are specifically designed to target and literally 'fry' any wireless electronics, a prime example of which would be any wireless electric power grid. From a national security perspective, there is nothing more defenseless nor more vulnerable than a wireless radio communications system!

Although they obviously don't realize it, what Fortis is attempting to do here constitutes an absolutely inhumane, totally criminal and literally suicidal endeavour - and must be stopped! Consider just for a moment: Fortis' envisaged 'meshed-grid' community of tomorrow will comprise up to 10,000 homes in a network; each home will have 15-or-so 'smart' appliances, and each appliance will be fitted with its own "ZigBee" compatible transmitter and receiver radio circuit. This means that **every home** in that community will have **17 pulsing microwave transmitters, 16 of which will radiate on exactly the same frequency as a microwave oven!** **But all 16 of these transmitters will emit sharp millisecond-long pulses of microwave radiation which are far more dangerous to DNA and cells of the human body than is the continuous wave emission from a microwave oven!** How can any sane person consider such a thing in a civilized society? And that's only the tip of the meshed-grid 'iceberg.' Absolute insanity! Evil! Cruel - beyond belief!

In my lifetime I never thought I could be so grateful for my arcane military background as I am today, for I have an absolutely clear understanding of the gravity of the situation. While I don't profess to be an 'expert' in EMR, I received formal education and training on the subject as part of my highly-specialized communications training. And for the past two years I have immersed myself in EMR and all things related to this subject, such that I now consider myself to be very knowledgeable on virtually all aspects of the subject, including smart meters and meshed-grid networks.

For the reasons I've explained above, I have been compelled to come out of retirement determined to do what I can to help the general public realize that their health, safety and security are not being protected by Health Canada but, instead, they are being made guinea pigs in what independent scientists around the world consider is the biggest single technological experiment in human history - without the consent or knowledge of the subjects! For the past six months I have been accepting speaking engagements throughout the Okanagan free of charge, and the public is hungry for honest and reliable information. They deserve the truth!

To this end, I have labored for many months now developing my own PowerPoint presentation - which is based entirely on facts, and I support every assertion made in my presentation with credible references. Given the unprecedented gravity of this matter and the possible dire consequence that will befall the citizens of Kelowna were Fortis' application to be approved, I urgently request that BCUC grant me an opportunity to make a formal PowerPoint presentation to the Commission Panel and to all other entitled and interested parties. I will not waste anyone's

time. Quite the contrary; I promise you it will be educational and, for many, an eye-opener! The issues at stake are beyond unimaginable; they are absolutely preposterous and beyond belief that this can be happening in Canada!

Sincerely yours,
Jerry Flynn
James G. (Jerry) Flynn
(250) 451-9609

From: Domingo, Yolanda BCUC:EX [mailto:Yolanda.Domingo@bcuc.com]
Sent: November-21-12 12:38 PM
To: 'Jerry Flynn'
Cc: Flintoff, Don BCUC:EX; Commission Secretary BCUC:EX
Subject: RE: Fortis BC - CPCN Application - Smart Meters

Hello Mr. Flynn,

I see that you are already a registered intervener in the AMI proceeding. Given that this application was established as a written hearing by the Commission Panel, then it is required to proceed as such. It appears that you are proposing oral arguments rather a written submission. Such an amendment to the timetable would require an open and transparent process and upon approval by all parties. Mr Fulton serves as the Commission's counsel and would not be able to amend the regulatory timetable without, first, a written request by yourself, an opportunity for all parties to comment on the amendment, followed by consent from the Commission Panel. Such matters are handled internally by Commission Staff, who may contact Mr. Fulton, if that is required. However, should you choose to submit your presentation materials as your final submission, you are also free to do so.

Please be aware that any information that is not submitted via the proper document filing protocols (e.g. simple email distribution) will not be posted as evidence on the record for this proceeding.

For your reference, Mr. Don Flintoff is the Lead Staff in charge of this proceeding and he is copied in this email. He can further assist you in this regard.

Sincerely,

Yolanda Domingo, B.Comm, CMA
Senior Regulatory Specialist
British Columbia Utilities Commission
6th Floor, 900 Howe Street, Vancouver, BC, V6Z 2N3
Phone: 604.660.4771 | Fax: 604.660.1102 | Toll Free: 1.800.663.1385



From: Jerry Flynn [mailto:jerryjgf@shaw.ca]
Sent: Tuesday, November 20, 2012 7:34 PM
To: Domingo, Yolanda BCUC:EX
Subject: Fortis BC - CPCN Application - Smart Meters

Hi Yolanda,
Can you please put me in contact with Gordon Fulton? I would like to speak with him on the phone about my input as an Intervener. Because of my electronic warfare and radio warfare background in

the military, I bring a very different, more realistic perspective to this whole smart meter, meshed-grid issue which, if approved, will impact on us all far more than most people realize.

No informed person could argue with my statement that: one **cannot** and **must not** try to determine whether the overall, aggregate amount of EMR emitted by Fortis' proposed wireless meshed-grid networks is safe until they first realize that the ambient levels of EMR in every contemporary community, which includes Kelowna, have increased drastically in the past 30 years, from the plethora of other similar wireless pulsed microwave-emitting devices now proliferating our society. Just this past week, a former Australian clinical researcher stated that ambient EMR levels in our communities have increased **1,000,000 times** in just the past decade!

Now Fortis BC is asking us, the uninformed, unsuspecting, trusting, helpless, guinea pigs to blindly accept this brand new, unproven, never-before-tried-anywhere technology, the foundation of which is a "meshed-grid" community of 5,000 homes, in which each home will have Fortis' envisaged 15-or-so "smart" appliances, with each appliance being fitted with its own wireless pulsing microwave transmitter, receiver and antenna circuit.

The above scenario means that in every home there will be 17 wireless transmitter, receiver and antenna radio circuits all emitting sharp millisecond-long pulses of microwave radiation - with 16 of the 17 transmitters operating on the ZigBee (and microwave oven) frequency of 2.4 GHz! The other transmitter, the LAN, operates on 900 MHz.

From the above, it is clear that a typical meshed-grid community of 5,000 homes will result in that community being exposed to/bathed in sharp millisecond-long pulses of microwave radiation from:

- 1) **5,000 LAN transmitters (910 MHz)**, receiver and antenna circuits, with each transmitter radiating for a distance of up to **3 kilometers!**
- 2) **5,000 ZigBee transmitters (2.4 GHz)**, receivers and antennas, with each transmitter radiating for a distance of approximately 246 feet!
- 3) **75,000 'smart' appliance transmitters**, as each appliance will be fitted with its own ZigBee-compatible (**2.4 GHz**) transmitter, receiver and antenna circuit (presumably also radiating for a distance of approximately 246 feet)!
- 4) **The Collector meter's three transmitters:** a) LAN-**910 MHz**, b) ZigBee-**2.4 GHz**, c) WWAN (Wireless Wide Area Network)-**850 MHz**.

It is clear from the above that a typical 'meshed-grid' network in a mature community of 5,000 homes will introduce upwards of **85,000 new wireless pulsed microwave transmitters** - which defies calculation as to what aggregate amount of EMR they will add to any community.

Yet the above does not take into consideration the substantial EMR that will result from the innumerable relays (up to 500 or more) that will be required on each and every transmission - in both directions - between the utility and every LAN and the 75,000 'smart' appliance in those homes.

Nor does it take into consideration the significant amount or "reflected" EMR that will result in "hot spots" occurring in virtually every home due to the reflective materials in the homes, such as stainless steel appliances, countertops, etc.

I have prepared a PowerPoint presentation that I use in my public speaking engagements throughout the Okanagan in which I explain to the public the evolution of EMR and what independent scientists around the world now know about it, especially the low-level, long-term non-thermal effects of EMR emitted by other wireless microwave devices such as Wi-Fi routers, cordless phones, laptop computers, smart phones, cell phones, cell phone towers, baby monitors, Bluetooth, GPS satellites,

which is no different from that emitted by Smart Meters and meshed-grid networks. In fact, non-industry scientists say that EMR is accumulative: the EMR from one device just adds to the EMR from all the other devices - to make an ever-thickening 'smog.'

As an Intervener, I would like to present my PowerPoint presentation in person rather than attempt to prepare a separate written submission. Any and all of my slide which might be at all contentious are supported by hyper-links from which I gleaned the information. In advance of my presentation, I am prepared to and will submit copies of my presentation to necessary parties, including Fortis BC, its experts and lawyers. First though, I would need a complete list of those who would require copies.

Please advise when and how I might contact Mr. Fulton.

Sincerely,
Jerry Flynn

From: Jerry Flynn [jerryjgf@shaw.ca]
Sent: Friday, November 23, 2012 4:48 PM
To: Domingo, Yolanda BCUC:EX
Cc: Flintoff, Don BCUC:EX
Subject: RE: IR 2 ...not yet final

Please be advised that I wish to make a formal PowerPoint presentation, as I had previously requested, at the [Oral Hearing](#) scheduled to take place in Kelowna during the period March 4-15, 2013. Please advise me when and as dates become firm. Thank you.

Sincerely,
Jerry Flynn

James G. Flynn
103-1910 Capistrano Drive
Kelowna, B.C., V1V 2S5

December 4, 2012

Via Email
Commission.Secretary@bcuc.com

Erica Hamilton
Commission Secretary
British Columbia Utilities Commission
Sixth Floor, 900 Howe Street, Box 250
Vancouver, BC, V6Z 2N3

Dear Ms. Hamilton:

Re: FortisBC Inc. Application for a Certificate of Public Convenience and Necessity for the Advanced Metering Infrastructure (AMI) Project

Thank you for your November 28 reply to my email of November 21, 2012 dealing with this same subject matter.

Ordinarily I would understand your insistence that Interveners adhere rigidly to 'normal' protocol when dealing with routine everyday matters. However, Fortis' application to use wireless smart meters connected in a 'meshed-grid' network, if approved, would sanction that publicly-traded corporation to irradiate its unsuspecting and completely defenseless customers and the general public alike with massive aggregate amounts of pulsed microwave radiation – much of which would be emitted on the very same frequency as microwave ovens operate: 2.4 GHz! And much of this irradiation would occur 24 hours a day, seven days a week, in perpetuity – without either the victim's consent or knowledge! It is for this reason that BCUC must allow for extraordinary measures to deal expeditiously, humanely and correctly with this unprecedented heinous threat to the lives of the people and all life forms living within Fortis' electric jurisdiction.

As a retired Canadian Armed Forces Captain with 26-plus years' international experience and impeccable NATO credentials, more than 22 years of which were spent in Electronic Warfare, Radio Warfare and Signals Intelligence, I caution you in the strongest terms possible that, were BCUC to approve Fortis' application, it would go down in history as the most egregiously cruel and infamous decision in your Agency's entire history! The public, globally, is becoming better informed about the overwhelming evidence, which is growing by the day, that pulsed electromagnetic radiation (EMR) from all wireless pulsed microwave-emitting devices is harmful to all life forms, not just humans. I must also draw BCUC's attention to the increasing number of lawsuits that are emerging over EMR in every jurisdiction in the world that is exposed to such devices.

I assure you, I am not exaggerating this situation one iota, nor am I trying to frighten anyone. On the contrary, I'm just trying to tell the unvarnished truth – which the public is not - and has not - been getting from the government (all levels), the telecom industry or the electric power utilities. For the past two years, I have researched this entire subject matter thoroughly, and, while not an “expert” on EMR, in the legal sense of the word, I know the subject very well – especially wireless smart meters and meshed-grid networks. I consider myself a very well informed “messenger,” who has felt compelled to come out of retirement so that I can do my utmost to enlighten elected officials, decision makers and the public at large of the unprecedented and ever-increasing dangers all wireless radio devices pose to mankind and to all living things. And wireless smart meters in a meshed-grid network pose easily the biggest and single-most dangerous technological threat mankind has ever faced.

BCUC needs to understand:

- EMR is EMR regardless of the source, i.e., the EMR from a Wi-Fi router is essentially the same as that from a **smart meter**, cell phone, cell phone tower, cordless phone, baby monitor, etc.;
- The ambient level of EMR in our society has increased **1,000,000 times** in the past decade alone (from all the other wireless devices we already have)!
- In 2011, the WHO (World Health Organization) re-classified EMR a class 2B (“Possible”) carcinogen – which applies to the EMR emitted by Smart Meters and meshed-grid networks;
- Later in 2011, both the Council of Europe (*47 countries and 800-million people*) and the European Parliament (*27 countries and 500-million people*) urged all their member countries to remove Wi-Fi from all schools and discourage children from using cell phones;
- This year, 2012, Russia warned pregnant women everywhere not to use cell phones and all children under 18 not to use cell phones, as do Germany, India, the United Kingdom, Israel, Finland, Belgium and Toronto, Canada.
- Contrary to what Health Canada claims, Canada's Safety Code 6 “Guidelines,” which are based purely on *thermal effects* of microwave radiation, establishes Canada's “Exposure Limit” for 2.4 GHz at 1000 uW/cm² – which is one of the *highest/most dangerous in the world!*
- In 2010 Canada's own National Research Council reported that many Canadians were already being exposed to dangerous amounts of radiation and that new *biologically-based* guidelines were needed instead of the *dangerous outdated thermal guidelines*.

- Russia, China, Italy, Switzerland, Austria, France, Australia and most Eastern European countries have Exposure Limits 100s to 1,000s of times lower/safer than Canada's!
- Austria has the lowest/safest Exposure Limits in the world: **0.01** uW/cm² - **10,000** times lower/safer than Canada's!
- The BioInitiative Report 2007 (which increasingly more countries refer to as a barometer of independent scientific opinion) urges governments everywhere to reduce their Exposure Limits to **0.1** uW/cm² which, if Canada adopted it, would mean *lowering our Exposure Limit **10,000 times!***
- Austria's Salzburg Health Dept. recommends Limits of 0.001 uW/cm² for outdoors and 0.0001 uW/cm² for indoor exposure (i.e., **1,000,000 to 10,000,000 times lower/safer than Canada's present Safety Code 6 level).**
- Fortis' proposed 'meshed-grid' network community, when fully matured (i.e., all homes have the envisaged 15-or-so 'smart appliances), will result in each and every home having **17-or-more** wireless radio transmitter, receiver and antenna circuits (each "smart" appliance having its own) all of which will emit sharp millisecond-long pulses of toxic microwave radiation;
- Sixteen (16) of the 17 transmitters envisaged in each home will emit sharp toxic millisecond-long pulses on exactly the same frequency as a microwave oven: 2.4 GHz, to enable them to communicate back and forth with the ZigBee radio transmitter, receiver antenna circuitry.
- The 17th transmitter (the LAN radio) in each home will operate virtually non-stop, 24/7/365 on 900 MHz and radiate for a distance of up to 3 Km! BCUC needs to realize that this means that **every home will radiate - and be radiated by - every other home in the entire meshed-grid network!**

Unquestionably, Fortis' application for a CPCN for their AMI Project poses what has to be the gravest and most important decision in BCUC's history. For that very reason, it is absolutely imperative that you do not make a mistake. To that end, I again ask for your permission to allow me to make a PowerPoint presentation to the Commission and all other entitled and interested parties, including Fortis BC.

I am confident the evidence I have compiled is overwhelming, compelling and irrefutable, and to that end I feel confident that, based on the evidence I have, I can 'hold my own' with Fortis' lawyers and 'experts.' Each of my 'significant' slides contains the associated hyperlink or reference source. On matters of communications security, cyber-security, physical security, system vulnerability and national security issues related to a wireless electric grid, these are all subjects for which my military background has equipped me well, and I can discuss them knowledgeably with anyone.

In closing, I again request your permission allowing me to email you, Fortis BC and all of the other parties a copy of my PowerPoint presentation? This would enable anyone interested in what I have to say, in particular Fortis' lawyers and 'experts,' ample time to scrutinize my information and assertions, do their own homework, and prepare their questions for me to answer? This could all be done well in advance of me actually making the presentation, at your pleasure, sometime in March, 2013.

Yours truly,
Jerry Flynn

James G. Flynn