

By E-Mail to: [Commission.Secretary@bcuc.com](mailto:Commission.Secretary@bcuc.com)

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British Columbia Utilities Commission  
6th Floor, 900 Howe Street  
Vancouver, BC V6Z 2N3

**Attention: Erica M. Hamilton, Commission Secretary**

Dear Sirs/Mesdames:

**Re: FortisBC Inc. – Application for a Certificate of Public Convenience and Necessity for the Advanced Metering Infrastructure Project**

This is my final written submission on the subject matter.

Given British Columbia's current political and province-wide electric utility realities (referring to BC Hydro's all but completed smart meter roll-out), I cannot imagine a more difficult or awkward predicament for any utility commission to be in than that which BCUC now finds itself, as you prepare to make your decision on Fortis BC's application to roll out its AMI/wireless smart meter-based meshed-grid networks throughout its jurisdiction. For that reason, it is my earnest hope that BCUC does have the authority to render its own decision - independent of government interference - and that your members, collectively, have the integrity, personal strength and moral turpitude to make your ultimate decision based solely on independent, science-based evidence, not on the artful misinformation, disinformation and untruths which Fortis and Exponent have carefully crafted for you.

Throughout BCUC's hearings, both Fortis and Exponent Engineering and Scientific Consulting ("Exponent") consistently denied and rejected outright any assertion that Fortis' proposed AMI/Smart Meter technology – *which will literally blanket entire communities with incalculable amounts of continuous, low-level, non-thermal (biologic) invisible microwave radiation* - is a very dangerous and untested technology, one that independent scientists warn will have dire health consequences for the general population. In virtually every discourse and argument, Fortis and Exponent defended this wireless technology by constantly referencing Health Canada's Safety Code 6 and, to a lesser extent, both ICNIRP's (International Commission on Non Ionizing Radiation) and the WHO's (World Health Organization)'s "Guidelines." As transcripts of the hearings will show, both Fortis and Exponent went to considerable lengths to repeatedly emphasize for BCUC's benefit that Fortis' proposed AMI/Smart Meter technology would operate well below Safety Code 6 Guidelines, and those of ICNIRP and the WHO.

It is precisely for the above reason that it is imperative that BCUC realizes that the person who co-authored **Safety Code 6's** "RF Exposure Guidelines" also orchestrated the guidelines for the **WHO** and, even more incredibly, for **ICNIRP** as well! To top it off, this same person also became ICNIRP's inaugural Chairman and is today their Chairman emeritus! And while he was with the WHO, he also was the lead person responsible for establishing the WHO's 'Guidelines' for *power line EMFs* (electromagnetic fields)! <http://microwavenews.com/docs/WHOWatch.pdf>

I'm referring, of course, to **Dr. Michael Repacholi** – whom **Dr. William Bailey** knows better than he admits (see below). You will recall in my cross-examination of **Dr. Bailey**, I asked him if he recognized the name **Dr. Michael Repacholi**? To which he replied: "I've heard the name" or words to that effect. Evidence of **Dr. Michael Repacholi's** own corrupt history and his working relationship with Exponent's **Dr. Bailey** are provided elsewhere in this report.

<http://www.iddd.de/umtsno/puzen.htm> and [www.microwavenews.com](http://www.microwavenews.com)

It is also very important that BCUC clearly understands that there currently exists an enormous chasm between Health Canada's, the WHO's and ICNIRP's "RF" *Exposure Limits for 1800 MHz Range* and those of the "safest" country in the world – Austria. Austria permits an Exposure Limit of just 1,000 uW/m<sup>2</sup>; whereas, Canada (Safety Code 6), the US (Federal Communication Commission), ICNIRP and the WHO all permit 10,000,000 uW/m<sup>2</sup> (**10,000 times more radiation**)! Even Russia's and China's Exposure Limits are 100 or more times lower (safer) than Canada's internationally-discredited Safety Code 6. [vitalitymagazine.com/article/concerned-parents-protest-...](http://vitalitymagazine.com/article/concerned-parents-protest-...) and [www.magdahavas.com/wifi-in-schools-and-health-effects/](http://www.magdahavas.com/wifi-in-schools-and-health-effects/)

Further scientific evidence that Safety Code 6's 'guidelines' are grotesquely high can be found in the **BioInitiative Report 2007** which, following the review of more than 2,000 independent science-based studies, recommends all governments of the world to immediately adopt guidelines which, for Health Canada to comply, would require Health Canada to lower Safety Code 6 guidelines by **10,000 times!** <http://international-emf-alliance.org/index.php/appeal> and [www.globalresearch.ca/PrintArticle.php?articleId=31816](http://www.globalresearch.ca/PrintArticle.php?articleId=31816)

Even more compelling is the recently-released **BioInitiative Report 2012**. Consisting of 29 independent scientists and health experts from 10 different countries, the BioInitiative Working Group assessed over 1800 new scientific studies involving power lines, cell and cordless phones, cell towers, smart meters, Wi-Fi, laptops, routers, baby monitors and electrical wiring and appliances. The report urged all governments (of the world) to lower their exposure limits to 0.3 to 0.6 nW/cm<sup>2</sup> which, if adopted, would oblige Health Canada to reduce Safety Code 6 guidelines by **3-6 million times!** Is it any wonder, then, that Fortis and Exponent can say so confidently that their vaunted Smart Meter technology complies with Health Canada's current Safety Code 6 'Guidelines'? The report also concluded that "*epidemiological evidence shows that radiofrequency should be classified as a **human carcinogen**. The existing FCC/IEEE and ICNIRP public safety limits and reference levels are not adequate to protect public health.*" [www.bioinitiative.org](http://www.bioinitiative.org) and <http://www.earthcalm.com/category/emf-dangers-2/>

With the realization that the "RF Exposure Limits" for Health Canada's Safety Code 6, the WHO and ICNIRP were determined essentially by the same person, BCUC should now be better able to

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grasp the significance of the fact that the **Council of Europe's "PACE" (Parliamentary Assembly - Council of Europe)** – which historically has followed ICNIRP and WHO 'Exposure Guidelines' – released a bombshell of a news announcement in 2011, which urged: *"all governments (the Council of Europe has 47 member countries, representing 800-million people) to reconsider ICNIRP's Exposure Limits (which are followed by the WHO & Health Canada) 'which have serious limitations' and apply as low as reasonably achievable (ALARA) principles ... Governments should 'take all reasonable measures' to reduce exposure to EMFs."*

[http://assembly.coe.int/ASP/NewsManager/EMB\\_NewsManagerView.asp?ID=6685](http://assembly.coe.int/ASP/NewsManager/EMB_NewsManagerView.asp?ID=6685) and <http://www.slt.co/Education/EMR-ExposureGuidelines.aspx>

Also telling is the fact that neither Lloyd's of London nor Swiss RE, two of the world's largest insurance companies, will insure any wireless microwave-emitting device – including smart meters and meshed-grid networks - for health-related claims attributed to chronic, low-level, non-thermal EMR – that should speak volumes about the safety of this wireless technology?

<http://www.planningsanity.co.uk/reports/trower.htm> and [http://www.bibliotecapleyades.net/scalar\\_tech/esp\\_scalar\\_tech\\_cellphonesmicrowave17.htm](http://www.bibliotecapleyades.net/scalar_tech/esp_scalar_tech_cellphonesmicrowave17.htm)

On reflection, we know that in 2010, the B.C. Government introduced and passed Bill 17 – the Clean Energy Act, which mandated electric utilities in B.C. to install Smart Meters on every home/dwelling and occupied building in the province by the end of 2012. But we also know that *Bill 17 did NOT specify that Smart Meters had to be connected wirelessly*. That decision was made by BC Hydro alone, which Fortis BC ('Fortis') is now attempting to emulate.

Less than one year later, in May 2011, the World Health Organization announced globally that, effective immediately, all radio frequency (RF) electromagnetic radiation (EMR) is classified a *Class 2B ("Possible") carcinogen – which applies to Smart Meters!* Yet, surprisingly, Bill 17 was not repealed – nor has it been to date! Nor were electric utilities in other jurisdictions directed to immediately stop installing possibly cancer-causing wireless smart meters on everyone's home and to replace those that had been installed with the original analogue or a safe wired meter.

### **BCUC's Hearing Process**

It was apparent throughout the hearing process that both Fortis and Exponent contrived to focus, confine and limit all discussion about AMI/Smart Meter technology such that an onlooker would think the only issue being discussed was the power density, duration and frequency of emissions emitted by a single LAN (Local Area Network) transmitter inside a single Smart Meter. And even then, the Smart Meter being discussed was seemingly suspended in space somewhere in some pristine environment devoid of any other real-life, everyday competing wireless devices emitting toxic EMR, such as: *wi-fi routers, wireless PC's, cordless phones, cell phones, Smart phones, iPhones, Bluetooth, laptops, tablets, baby monitors, garage door openers, GPS satellite systems, military and scientific satellites, AM radio towers, FM radio towers, satellite radio and TV, amateur radio, airport radars, police radars, TETRA Networks, microwave ovens, Wi-Max towers, Wi-Fi Hot Spots (restaurants, buses, trains, airplanes – even towns and some cities), Body Area Networks, RFIDs (radio frequency identification devices), car wi-fi, X-rays, CT scans, MRIs,*

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*paggers, some copiers, motion detectors, Wii-U and X-box 360 games, car collision-avoidance systems. Independent scientists know that EMR is cumulative, i.e., regardless of the source, the EMR from the vast constellation of other wireless emitters simply coalesce into what scientists call an 'electro-smog,' which already blankets our communities.* <http://sagereports.com/smart-meter-rf/?p=343>

Fortis (and Exponent) were also highly selective and lacked forthrightness, honesty and openness in the written material they presented to support Fortis' application. A case in point: Fortis would have BCUC believe that no further meaningful amount of EMR would be emitted within a home by a Smart Meter other than that which is emitted by the **LAN** transmitter. The truth is that there is a second transmitter, receiver and radio circuit inside every Smart meter, called the "**ZigBee**." Contrary to what Fortis would have BCUC believe, the sole function of the ZigBee transmitter, receiver and antenna circuit is to control the 15-or-so 'Smart' appliances electric utilities everywhere envisage homes of tomorrow having. Each 'Smart' appliance will come with its own ZigBee-compatible radio transmitter, receiver and antenna circuit installed, thus enabling two-way communications between it and the Smart Meter's ZigBee radio. <http://publicintelligence.net/confidential-pge-smartmeter-presentations/> and <http://stopsmartmeters.org/2011/05/27/appliances-introducing-stealth-emf-into-our-homes/>

Also, contrary to what Fortis and Exponent would have BCUC believe, a smart meter's LAN transmitter is active virtually 24/7/365, as Pacific Gas & Electric admitted in a California court of law in 2012, [emfsafetynetwork.org/?page\\_id=872](http://emfsafetynetwork.org/?page_id=872). This was corroborated on a separate occasion by Silver Springs Networks who admitted to the California Public Utilities Commission, also in 2012, that their smart meters are active virtually non-stop. <http://stopsmartmeters.org/2011/09/15/utility-and-smart-meter-tech-company-executives-get-grilled-by-the-public/>

Nor did Fortis show anywhere in its literature, nor think it necessary to mention to BCUC, that 'smart' appliances will each emit pulsed microwave signals at a power density of 100 mW! (which could amount to 15 appliances each emitting 100 mW of radiation within the home – none of which existed before the introduction of Smart Meters!) <http://www.eeherald.com/section/news/nws201206102.html>

Nor does Fortis want BCUC to realize that a **LAN** transmitter radiates for up to 3 km – meaning that every home in a meshed-grid network community will radiate – and be radiated by – every other home in that community! One can only try to imagine what that must be like for occupants of large, hi-rise apartment buildings. [http://www.eiwellspring.org/smartmeter/Smart\\_Meter\\_overview.htm](http://www.eiwellspring.org/smartmeter/Smart_Meter_overview.htm)

Nor does Fortis tell BCUC that a typical **ZigBee** transmitter will radiate for about 250 feet – in all directions – meaning that in urban areas, 'smart' appliances will radiate nearby neighbors and, in turn, be radiated by their neighbors' 'smart' appliances!. Again, think of the large, hi-rise apartment building. <http://www.skyworksinc.com/uploads/documents/201527a.pdf>

But I found it really disturbing to observe that neither Fortis nor Exponent made any attempt whatsoever to help BCUC to understand how much overall additional EMR is likely to be emitted/generated within even the smallest "meshed-grid network" community of just 500 homes. It is known that a community of just 500 homes would have 500 "Smart" meters, which translates into 500 **LAN** transmitters. But there will also be 500 **ZigBee** transmitters! And despite what Fortis' said in the hearings, they, like electric

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utilities everywhere, envisage that ZigBee transmitter, receiver and antenna circuits will control anywhere up to 15-or-so 'smart' appliances in a every home. Simple math says that in a community of just 500 homes, that amounts to 7,500 'smart' appliances, each with it's ZigBee-compatible radio transmitter, receiver and antenna circuit. Then every meshed-grid network community, regardless of size, has to have a "Collector" meter, which has three (3) of its own transmitter, receiver and antenna circuits. So now this small sleepy community of just 500 homes suddenly has **8,503** toxic wireless pulsed microwave transmitter, receiver and antenna circuits pulsing away invisibly in their community, day and night! Fortis and Exponent made it patently obvious they don't want BCUC to realize this.

<http://sagereports.com/smart-meter-rf/>

Similarly, Fortis made it obvious they did not want BCUC to realize that of these 8,503 transmitters, 7,501 of them will emit toxic radiation on the very same frequency as microwave ovens operate – 2.4 GHz! Only a Smart Meter's pulsed microwave emission is more dangerous to humans and other life forms.

<http://ethesis.nitrkl.ac.in/2824/> and <http://sagereports.com/smart-meter-rf/>

Using the utilities' own number of envisaged 'smart' appliances (15-or-so) they expect 'homes of tomorrow' to have, larger meshed-grid communities of 5,000 homes will have an unbelievable **85,003** toxic wireless pulsed microwave transmitters – 7,501 of which will emit toxic radiation on the very same frequency on which microwave ovens operate. And none of these can be shut off by the public. And all of these transmitters will emit a WHO-classified "Possible" carcinogen! <http://sagereports.com/smart-meter-rf/>

Nor did Fortis or Exponent make any attempt to apprise BCUC that, in a meshed-grid network, each and every transmission – in either direction – will require an extraordinary number of relays before it can reach its destination. As microwaves are a 'line-of-sight' medium, for any communication to be completed between a home and the utility – and/or the reverse (all of which must occur via the Collector meter) - the transmission must 'bounce' from LAN to LAN to LAN, etc. until the destination is finally reached. This means that virtually every home will experience – without its knowledge or consent – anywhere up to literally hundreds of relays as data from the various homes and/or the utility wends its way in either direction until it finally reaches its destination. Nowhere in Fortis' literature have I seen this mentioned, yet the additional EMR that will burden every home, to varying degrees, will be very substantial if not absolutely mind-boggling! Likewise, I have not seen any attempt by Fortis (or any utility in any jurisdiction in North America) to give BCUC even a rough 'guesstimate' as to what this *additional* EMR might amount to! <http://sagereports.com/smart-meter-rf/>

Nor did Fortis or Exponent make any attempt to apprise BCUC of the inescapable EMR 'hot spots' that will occur in various locations in virtually every dwelling due to "Reflections" caused by EMR reflecting off stainless steel appliances, tiled floors, granite countertops, etc. Hot spots can add significantly to the overall ambient level of EMR within a home, and therefore is an additional danger to unsuspecting occupants who would be chronically exposed to them. <http://sagereports.com/smart-meter-rf/>

Nor did Fortis or Exponent make any effort whatsoever to make BCUC aware of the known very real dangers of what is called "*dirty electricity*" that would be caused, in part, by the RF transmissions migrating to the electrical wiring in the home, or by the Smart Meter's power supply, which converts 110V to the much lower DC voltages required by Smart Meters. These are both causes for real concern about which BCUC needs to be aware. <http://www.dianneemf.com/dirty-electricity.php> and [http://www.eiwellspring.org/smartmeter/Smart\\_Meter\\_overview.htm](http://www.eiwellspring.org/smartmeter/Smart_Meter_overview.htm)

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And certainly neither Fortis nor Exponent want BCUC to realize that whatever unimaginable amount of toxic EMR all of the above amounts to, this all then would be added to whatever had been the ambient level of EMR already in that community prior to the 'meshed-grid network' being installed!

<http://webspaces.webring.com/people/ee/eden/clarus.html> and

<http://www.ecolibria.com.au/Resources/electromagnetic-radiation-emr-and-potential-adverse-health-affects>

Before one can attempt to 'guesstimate' what might be the total or overall aggregate amount of additional EMR that would blanket a meshed-grid networked community, one needs first to pause to realize what some of the world's most respected independent scientists have already said about EMR and EMF – before the implementation of AMI/Smart Meter technology. Their comments concern both RF (radio frequency) Electromagnetic radiation (EMR) and power line or ELF (extremely low frequency) EMFs (electromagnetic fields):

- In 2012, **Prof. Yury Grigoriev**, Chairman of the Russian National Committee on Non Ionizing Radiation Protection (RNCNIRP) has said: "Man conquered the Black Plague, but he has created new problems – EMF pollution" <http://iemfa.org/index.php/all>
- In 2012, **fifty-four health experts** (including Yury Grigoriev, Chair of the Russian National Committee on Non-Ionizing Radiation Protection) from 20 countries caution about Smart Meter risks, saying children may particularly be at risk of developing EHS or diseases such as cancer from overexposure to radio frequency microwave emitted by smart meters and other wireless devices. [www.prlog.org/11978228-health-experts-caution-about-sma...](http://www.prlog.org/11978228-health-experts-caution-about-sma...)
- In 2012, **Dr. Robert O. Becker**, two-time Nobel Nominee said: "The greatest polluting element in Earth's environment is the proliferation of EMF." [www.wenest.org/emfs/effects-electromagnetic-fields.html](http://www.wenest.org/emfs/effects-electromagnetic-fields.html)
- In 2012, **Dr. Sam Milham**, first scientist to connect electricity to health problems: "We may be facing a looming epidemic of morbidity & mortality." [www.sammilham.com/](http://www.sammilham.com/)
- 2012 - **Russia** Warns: "Pregnant women: avoid using mobile phones entirely ... also children under 18." Austria, China, Germany, India, U.K., Israel, Finland, Belgium, Ireland, Spain, Sweden and Toronto have issued health warnings for children: "use cell phones in emergencies – but only on speaker phone." (*And cell phones can be shut off; smart meters can't.*)
- 2012 - **Dr. Eilhu Richter**, M.D., an associate professor at Hebrew University-Hadassah, has said, "*Were these population-wide exposures to smart meters to be a part of a project carried out in a medical setting, to test the risks and benefits of a new technology on human health and well-being, it would be rejected ... as an unethical exercise in human experimentation.*" <http://www.wnd.com/2012/12/health-hazards-linked-to-utility-meters/>
- In 2012, **Dr. Priyanka Bandara**, a former Australian academic clinical researcher. Earth's level of man-made EMR has increased 1,000,000 times in the past decade! [www.fritthelsevalg.org/htmlsite/aktuelt.asp%3Fparent%3D..](http://www.fritthelsevalg.org/htmlsite/aktuelt.asp%3Fparent%3D..)

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- In 2012, the **International Doctors' Appeal** (more than 1,000 doctors) stated: "This is the greatest biomedical experiment in human history ever."  
[www.apdr.info/electrocontaminacion/Documentos/Declaraci..](http://www.apdr.info/electrocontaminacion/Documentos/Declaraci..)
- In 2012, **Dr. George Carlo**, who conducted the U.S. Telecom industries own USD \$28-million study of cell phones – only to find them dangerous. "Every day, we're swimming in a sea of electromagnetic radiation (EMR) ... in buildings, and a slew of other technologies that are part of modern life. ...Researchers say if there is a safe level of exposure to EMR, it's so low that we can't detect it. ... Therefore, any claim that it proves there's no risk from cell phones is a blatant ..." [www.lef.org/magazine/mag2007/aug2007\\_report\\_cellphone\\_r...](http://www.lef.org/magazine/mag2007/aug2007_report_cellphone_r...)
- In 2012, **Dr. Andrew Weill**, leading health expert: "Never before has humankind been exposed to such high amounts of this very disruptive energy, and effects are cumulative." [www.guidetobodycleansing.com/electromagneticradiation.h...](http://www.guidetobodycleansing.com/electromagneticradiation.h...)
- In 2012 – **Dr. Dietrich Klinghardt**: "...exposure to microwave and EMF is significantly harmful to all health and life itself." [products.mercola.com/klinghardt-dvd/](http://products.mercola.com/klinghardt-dvd/)
- In 2012, **Dr. Jack Kruse**, Neurosurgeon and Optimal Health Coach  
We are awash in an ocean of electromagnetic energies that life has never before had to deal with before, ever.  
<http://www.jackkruse.com/emf-5-what-are-the-biologic-effects-of-emf/>
- In 2012, **Russian scientists** are warning countries throughout the world, including ministries of health and other organizations, responsible for the population safety (including children), to pay attention to the regulation of mobile phones and Wi-Fi use in kindergartens and are recommending the usage of wired networks in schools and educational institutions, rather than a network using wireless broadband systems, including Wi-Fi. <http://iemfa.org/index.php/all>
- In 2012 – **Dr. George Carlo**: "There's a major health crisis coming, probably already underway ... cancers, learning disabilities, ADD, Autism, Alzheimer's, Parkinson's, psychological & behavioral problems. [www.globalresearch.ca/looming-health-crisis-wireless-te...](http://www.globalresearch.ca/looming-health-crisis-wireless-te...)
- **Dr. Neil Cherry** (Deceased) one of the world's preeminent scientists in the field of EMR, from New Zealand, said c. 2006, that "There is no safe threshold level. The only safe exposure level is zero," [www.whale.to/b/cherry\\_h.html](http://www.whale.to/b/cherry_h.html)
- **Barrie Trower**, a world-respected former British Naval physicist and Microwave Weapons specialist, who has come out of retirement and travels the world at his own expense to fight this wireless insanity now plaguing the planet has stated: "This industry and those parts of governments which are encouraging them will be responsible for killing more people than all those killed in the entire 2<sup>nd</sup> World War! This will be the worst genocide this planet has ever known – not just people, but plants and animals. The U.K, U.S., Canadian and Australian

*governments are lying to the public to protect themselves against lawsuits and to make money for industry!"*

- **Western** (Non-Soviet/Eastern bloc) **scientists** have had 40 years to study the bio-effects of chronic, low-level non-thermal electromagnetic radiation (radio and microwave frequency) emitted by cell phones and know that cancer has a latency period of more than 10 years, for some it can be 20 or 30 years or more. Science-based studies have shown that tumors of the head increased 50% in the 10 year period 1999 to 2009. [www.cancermonthly.com/blog/2007/12/braincancer-cellphon...](http://www.cancermonthly.com/blog/2007/12/braincancer-cellphon...) and <http://www.dailymail.co.uk/news/article-2134382/Risks-biggest-technological-experiment-history-species-Calls-research-links-using-mobile-phones-brain-cancer.html>

Now for **Dr. Michael Repacholi** – who was one of - if not - the principle architect in establishing RF Exposure Limits in Health Canada, the WHO and ICNIRP, as well as the WHO's Powerline EMF recommended levels. Please see below, in chronological order **Dr. Repacholi's** employment:

### **Health Canada (previously Health and Welfare Canada)**

**Dr. Michael Repacholi**, an Australian emigrant who did his Ph.D. in Biology at the University of Ottawa, in 1980, was employed by Health and Welfare Canada from 1971 to 1983, and was Head of its Non Ionizing Radiation Protection Branch from 1975-1982. During that time he co-authored (with Dr. Maria Stuchly) Safety Code 6 Exposure Guidelines – which *continue to be the highest (most dangerous) in the world today!*

Some relevant points to be noted include:

- The adverse non-thermal effects of EMR have been published since 1977. <http://wiredchild.org/component/content/article/46-hidden/99-icnirp.html>
- Austria's current 'Guidelines' are 10,000 times lower (safer) than Canada's [http://emrstop.org/index.php?option=com\\_content&view=article&id=71&Itemid=35](http://emrstop.org/index.php?option=com_content&view=article&id=71&Itemid=35)
- In 1998 - the R. Samuel McLaughlin Centre was established at the U. of Ottawa, funded in part by CWTA (Canadian Wireless Telecommunications Association) and headed up by Dr. Daniel Krewski, who worked with **Dr. Michael Repacholi** in Health and Welfare Canada in the Radiation Protection Bureau. [www.weepinitiative.org/NOBLE.html](http://www.weepinitiative.org/NOBLE.html)
- In the June 2000 "**Salzburg Resolution**," twenty doctors, physicists and professors met in Salzburg Austria to discuss the growing concern with microwave radiation from cell phone towers in Europe. They concluded: current "safe limits" for microwave exposure, such as Health Canada's, are 100 to 1,000 times too lenient to be declared safe for humans! [http://safeschool.ca/Health\\_Warnings.html](http://safeschool.ca/Health_Warnings.html)

- In 2007, **Toronto's Chief Medical Officer of Health** recommended to Health Canada that Safety Code 6 'Guidelines' *be lowered by a factor of 100 times!*.  
[www.toronto.ca/health/hphe/pdf/boh\\_report.pdf](http://www.toronto.ca/health/hphe/pdf/boh_report.pdf)
- In 2010, Canada's own **National Research Council** warned that *many Canadians are being exposed to dangerous levels of radiation and concluded that: "a new biologically based guideline is needed, instead of our current dangerous, outdated thermal guidelines."* [http://safeschool.ca/Health\\_Warnings.html](http://safeschool.ca/Health_Warnings.html)
- The **2012 BioInitiative Report's** recommendations, if adopted, would require Safety Code 6 'Guidelines' to be lowered by 3-6 million times! The 1479 page report had 29 authors (including luminaries such as Prof. Yuriy Grigoriev, Chairman, Russian National Committee on Non Ionizing Radiation Protection, and Prof. Olle Johansen, Karolinska Institute, Sweden) from 10 different countries, included Canada, ten holding medical degrees (MDs), 21 PhDs, and three MsC, MA or MPHs. [www.bioinitiative.org/](http://www.bioinitiative.org/)
- In 2012, teachers call to ban Wi-Fi in Ontario schools. Citing safety concerns, the **Ontario English Catholic Teacher's Association** representing 45,000 teachers, is calling for a ban on new Wi-Fi installations in the province's 1,400-plus Catholic schools and advocating that computers in all new schools should be hard-wired as well. [www.stopumts.nl/pdf/canadajerryflyn.pdf](http://www.stopumts.nl/pdf/canadajerryflyn.pdf)
- In 2012, Switzerland protects its citizens; Health Canada does not. Most schools in N. America are opting for a WiFi wireless local area network (WLAN) that allows computers and laptops to be connected to each other without wires. But the Swiss government prefers — LAN — wired networks that do not emit microwave radiation. For example, on their public health website, they specifically warn about the dangers of Wi-Fi. [www.ssita.org.uk/Wi-Fi-in-the-Classroom.html](http://www.ssita.org.uk/Wi-Fi-in-the-Classroom.html) and [www.magdahavas.com/free-internet-access-in-swiss-school...](http://www.magdahavas.com/free-internet-access-in-swiss-school...)
- In 2013, **Health Canada** scientist, **James McNamee**, admitted in Quebec Superior Court in Feb. 2013 that for frequencies between 100 kHz and 300 GHz *Safety Code 6 is based ONLY on heating!* [www.magdahavas.com/health-canada-admits-safety-code-6-g...](http://www.magdahavas.com/health-canada-admits-safety-code-6-g...) and <http://www.slt.co/Downloads/Education/EMF-Exposure-Guidelines-For-Sleeping-Areas.pdf>

### **WHO - World Health Organization**

In 1984, **Dr. Michael Repacholi** chaired the WHO's task group established to determine that organization's initial "*recommended guidelines*" for public exposures to *power line EMFs* (electromagnetic fields), i.e., WHO's ELF EMF Guidelines. <http://www.iddd.de/umtsno/puzen.htm>

In 1995, **Dr. Michael Repacholi**, then an employee of the WHO, was the primary "expert witness" for BellSouth N.Z. Ltd.'s GSM cell site application in New Zealand. There, in an Environment Court, he stated: "there was no evidence of adverse effects below the

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international guidelines .... Because the only effect of RF/MW was tissue heating.” The Courts disagreed with him. [researcharchive.lincoln.ac.nz/dspace/handle/10182/4090](http://researcharchive.lincoln.ac.nz/dspace/handle/10182/4090)

From 1996 to 2006, **Dr. Michael Repacholi** was Coordinator of the WHO's **10-year, \$250-million international EMF Project**, which determined the WHO's present *Radio/Microwave Frequency Exposure Limits* – which are only slightly lower (i.e., less dangerous) than Canada's Safety Code 6! He selected only scientists from the WHO and telecom and wireless industries to help conduct the study - not one independent scientist was invited, and the media were banned from attending any meetings! <http://www.iddd.de/umtsno/puzen.htm>

In 1996, as Coordinator for the **WHO's EMF Project**, **Dr. Repacholi** is on record as having stated: *“Precautionary policies should not be applied to EMFs.”*  
[lifeenergies.com/pollution-reports/emfp9](http://lifeenergies.com/pollution-reports/emfp9)

Throughout the period 1998 –2005, while **Dr. Michael Repacholi** was the Coordinator for the WHO's EMF Project, **Dr. William Bailey**, of Exponent, was a member of the WHO's Advisor Working Group, EMF Risk Perception and Communication. [http://www.exponent.com/files/Attorney/47afddb-868e-4fee-af54-19c111d47668/Presentation/ceExpertCVUpload/bailey,w\\_full.pdf](http://www.exponent.com/files/Attorney/47afddb-868e-4fee-af54-19c111d47668/Presentation/ceExpertCVUpload/bailey,w_full.pdf)

Also while **Dr. Michael Repacholi** was Coordinator of the WHO's EMF Project, for the period 2000-2002, **Dr. William Bailey**, of Exponent, had an Advisory Position with the Working Group on Non-Ionizing Radiation, Static and Extremely Low-Frequency Electromagnetic Fields for the WHO's IARC (International Agency for Research on Cancer). [http://www.exponent.com/files/Attorney/47afddb-868e-4fee-af54-19c111d47668/Presentation/ceExpertCVUpload/bailey,w\\_full.pdf](http://www.exponent.com/files/Attorney/47afddb-868e-4fee-af54-19c111d47668/Presentation/ceExpertCVUpload/bailey,w_full.pdf)

In 2001, **Dr. Michael Repacholi**, representing the WHO, was an observer at an IARC (International Agency for Research on Cancer) composed of 21 scientists from 10 countries, one of the scientists being **Dr. William Bailey** of Exponent. [http://www.exponent.com/files/Attorney/47afddb-868e-4fee-af54-19c111d47668/Presentation/ceExpertCVUpload/bailey,w\\_full.pdf](http://www.exponent.com/files/Attorney/47afddb-868e-4fee-af54-19c111d47668/Presentation/ceExpertCVUpload/bailey,w_full.pdf)

Corruption in the WHO! it was published in 2005 that **Dr. Michael Repacholi** – Coordinator of the WHO's Radiation & Environmental Health Unit- *receives \$150,000 a year (via Royal Adelaide Hospital, S.A.) from the cellular phone industry with additional money for meetings and travels.* [http://www.who.int/peh-emf/project/EMF\\_Project/en/index.html](http://www.who.int/peh-emf/project/EMF_Project/en/index.html) and <http://microwavenews.com/CT.html>

In 2005, as part of the same 10-year EMF Project, **Dr. Michael Repacholi**, was also instrumental in establishing the WHO's **power line (ELF) EMF Exposure Limits**. He selected only scientists from the WHO, electric utilities and ICNIRP to assist him conduct the study - not one independent scientist was invited, and the media were banned from attending any meetings! <http://www.iddd.de/umtsno/puzen.htm>

In 2005, the **WHO** and **Electric Utilities** formed a partnership on ELF EMFs. Assisting **Dr. Michael Repacholi** to determine the EHC (Environmental Health Criteria) for ELF EMFs were Leeka Kheifets and Gabor Mezei – both EPRI (Electric Power Research Institute) employees; Jack Sahl - Southern California Edison and John Swanson - National Grid, the U.K. utility. **Dr. Repacholi** sent a draft of the EHC out for review to, of all people: • **William Bailey -Exponent Inc., U.S.** •

## Fortis' Application for a CPCN (Cont'd)

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Federation of Electric Power Companies of Japan (FEPC); • Kent Jaffa - Pacificorp, U.S. • Michel Plante - Hydro-Quebec, Canada, etc. [www.emfacts.com/download/Chapter\\_4\\_FINAL\\_doc.pdf](http://www.emfacts.com/download/Chapter_4_FINAL_doc.pdf)

In 2005 – Profit matters more to industry than concerns about *health!* *The Health Sciences Utility Group*, another power industry group that **Dr. Michael Repacholi** asked to review the EHC draft document, stated: “*increased costs to industry should take precedence over health considerations*” when they proposed a change in the chapter on protective measures. [www.next-up.org/pdf/who\\_conflict.pdf](http://www.next-up.org/pdf/who_conflict.pdf)

In 2005, **Dr. Michael Repacholi** was the subject of an Internet petition to have him removed from office at the WHO. <http://www.thepetitionsite.com/takeaction/409444403>

In 2006, it was learned that two-thirds of **Dr. Michael Repacholi's** funding for the WHO's 10-year, USD \$250-million EMF Project had come from industry. <http://inthesenewtimes.com/2011/03/06/repacholi-admits-interference-from-the-industry-at-the-who-emf-project/>

In 2007, **Dr. Michael Repacholi**, on leaving the W.H.O. returned to industry as roving ambassador, promoting wireless devices to children and schools (while *also Chairman Emeritus of ICNIRP*) <http://inthesenewtimes.com/2011/03/06/repacholi-admits-interference-from-the-industry-at-the-who-emf-project/>

In 2012, **Prof. Michael Repacholi**, a man with no conscience, was quoted as saying: “..... certainly, from the health viewpoint there is no concern that we've seen this far that parents need to be worried about children's use of mobile phones.” [www.emfacts.com/2012/07/is-michael-repacholi-the-worlds...](http://www.emfacts.com/2012/07/is-michael-repacholi-the-worlds...)

Other significant historical data, in chronological order include:

- In 1990, the **U.S. EPA (Environmental Protection Agency)** issued a draft report classifying EMR a “**Possible**” carcinogen, prompting an immediate protest from the U.S. Military, Industry and others, causing President Bush's White House to quash the recommendation! [www.neilcherry.com/documents/90\\_s5\\_EMR\\_Leukaemia\\_Review...](http://www.neilcherry.com/documents/90_s5_EMR_Leukaemia_Review...)
- Also In 1990, the **U.S. EPA** issued a report saying power line EMFs should be classified a “**Probable**” carcinogen! EPA's Director ordered *the conclusion be deleted from the report!* (pressure from the White House?) <http://bizgenerationnetwork.blogspot.ca/2012/07/lynas-cancer-and-you.html>
- In 1993, the **U.S. Food and Drug Administration's (FDA's)** own biologists said that microwaves can promote cancer! (obtained by Microwave News under the Freedom of Information Act.) <http://microwavenews.com/news/backissues/i-f03issue.pdf>

- In 1998 - the **U.S. NIEHS (National Institute of Environmental Health Sciences)** Classified ELF EMFs a 2B "**possible carcinogen**". The final vote of the panel was 19 to 9 in favor of categorizing ELF EMFs, such as those from power lines and electrical appliances, as possible carcinogens." <http://lifeenergies.com/he-emr/>
- In 2001, a Working Group of the **WHO's own IARC (International Agency for Research on Cancer)** of 21 scientists from ten countries found that ELF EMFs are **possible(Class 2B) human carcinogens!**" <http://www.emfwise.com/powerline.php> and [www.microwavenews.com](http://www.microwavenews.com)
- In 2008, the **International Commission for Electromagnetic Safety (ICES)** stated: "*The non-ionizing EMR Exposure Limits recommended by international standards organizations and **supported by W.H.O.** are inadequate ... as only thermal effects are considered. A global application of the PRECAUTIONARY PRINCIPLE is required. Additional protection is needed for pregnancy, newborns, children, and elderly people.*" <http://www.icems.eu/resolution.htm>
- In 2008 – **European Parliament** voted 522 to 16 to adopt text: "is greatly concerned at the Bio-Initiative report concerning EMFs ..... there are health risks posed by emissions from mobile-telephony devices such as mobile telephones, UMTS, Wi-Fi, WiMax and Bluetooth, and also DECT landline." Today's EMF Exposure Limits are obsolete. [http://safeschool.ca/Health\\_Warnings.html](http://safeschool.ca/Health_Warnings.html)
- 2008 – Members of the **European Union** (27 countries, 500-million people) are moving quickly to protect their citizens, particularly children and pregnant women. In the past 2 years alone *Switzerland, France, Germany, Belgium and England* have begun dismantling wireless networks in schools and public libraries, and other countries are pressing to follow suit. <http://www.msnbc.msn.com/id/34509513/ns/health-cancer/t/electrosmog-harming-our-health/#.UPnBRR2rnTp>
- In 2010, **President Barack Obama's own Cancer Advisory Panel** recommended that: "When credible evidence exists that there may be a hazard, use PRECAUTIONARY approach." <http://willthomasonline.net/how%20to%20defend%20against%20smart%20meters.htm>
- In 2010, the **U.S. Environmental Protection Agency (EPA)** *publicly acknowledged* that electromagnetic pollution is a **serious threat to health**, saying: "*More and more people living near HV lines have reported severe symptoms and even life-threatening diseases.*" <http://www.emfnews.org/headset.html>

- The 2011 **Seletun Scientific Panel** declared: "Global population is at risk. Reduce Exposure Limits 1,000 to 10,000 times." [iemfa.org/index.php/publications/seletun-resolution](http://iemfa.org/index.php/publications/seletun-resolution)
- In 2011 – **Council of Europe** notes "Conflict of Interest" saying: "33% of studies funded by industrial concerns conclude that exposure to mobile telephone radio frequencies has an effect on our organism. That figure rises to over 80% in studies carried out with public funding." This is a "manifestly unacceptable situation pointing to CONFLICTS OF INTEREST which undermine the integrity, the genuine independence and the objectivity of scientific research."  
<http://www.assembly.coe.int/Documents/WorkingDocs/Doc11/EDOC12608.pdf>
- In May 31, 2011 - the **W.H.O.** finally classified EMR a Class **2B** "Possible" Carcinogen - 21 years after the US EPA had first made that recommendation, only to have the White House – on behalf of the US Military and the telecom and wireless industries dump all over them – direct that the recommendation be withdrawn.  
[http://www.iarc.fr/en/media-centre/pr/2011/pdfs/pr208\\_E.pdf](http://www.iarc.fr/en/media-centre/pr/2011/pdfs/pr208_E.pdf)
- In 2011 - **Ukraine & Czech Republic** proclaim EMR is dangerous, saying: "Long-term exposure to microwave radiation provokes cancer growth ..... We conclude that recent data strongly point to the need for re-elaboration of the current safety limits for non-ionizing radiation using recently obtained knowledge."  
[http://www.magdahavas.com/wordpress/wp-content/uploads/2011/07/Yakymenko\\_cancer\\_MW2011.pdf](http://www.magdahavas.com/wordpress/wp-content/uploads/2011/07/Yakymenko_cancer_MW2011.pdf)
- In 2012, **Dr Annie Sasco** (four degrees - three from Harvard, including a PhD in Epidemiology), worked for 22 years in the W.H.O.'s International Agency for Research in Cancer (IARC), including nine as Group Leader, then as Unit Chief of Epidemiology for Cancer Prevention said: "*Despite the voices of industry-funded scientists saying otherwise, there is concrete evidence that mobiles/cellphones and wi-fi cause cancer in humans.*"  
[www.safeinschool.org/2012/04/mobile-phones-are-safe-not..](http://www.safeinschool.org/2012/04/mobile-phones-are-safe-not..)
- **The BioInitiative 2012 Report**, released world-wide on Jan. 7, 2013, classified Radio Frequency (RF) EMR/EMF a "**Human carcinogen**," based on epidemiological studies!  
[www.bioinitiative.org/report/wp-content/uploads/pdfs/Bi...](http://www.bioinitiative.org/report/wp-content/uploads/pdfs/Bi...)
- **The BioInitiative 2012 Report** also classified power line EMFs a "**human carcinogen**"!  
[www.bioinitiative.org/report/wp-content/uploads/pdfs/Bi...](http://www.bioinitiative.org/report/wp-content/uploads/pdfs/Bi...)

## **ICNIRP - International Committee on Non Ionizing Radiation Protection**

Founded in 1992, **Dr. Michael Repacholi** became the inaugural Chairman of ICNIRP and is now Chairman Emeritus;

**Dr. Michael Repacholi** also played a key role in establishing ICNIRP's Exposure Limits – which are the same as WHO's and only slightly lower (less dangerous) than Canada's Safety Code 6!  
[www.emfacts.com/2012/07/is-michael-repacholi-the-worlds...](http://www.emfacts.com/2012/07/is-michael-repacholi-the-worlds...)

Other salient historical data, in chronological order include::

- In 1998, ICNIRP clearly stated they only set limits for short-term exposure.  
<http://www.youtube.com/watch?v=5a850d2q3QY&list=PL0E7F029D22993377&index=1>
- The ICNIRP 1998 Guideline: By ignoring the epidemiological evidence ICNIRP settles on a thermally-based guideline by accepting a thermal threshold of 4 W/kg, a workers safety factor of 10 (0.4 W/kg) and a further factor of 5 for the general public (0.08 W/kg)..  
<http://www.feb.se/EMFguru/CellPhone/cherry2/ICNIRP-2.htm>
- In 1998, while with ICNIRP, **Dr. Michael Repacholi** contributed to the book: Risk Perception, Risk Communication and its Application to EMF Exposure along with **Dr. William Bailey**. [http://www.exponent.com/files/Attorney/47afddb8-868e-4fee-af54-19c111d47668/Presentation/ceExpertCVUpload/bailey.w\\_full.pdf](http://www.exponent.com/files/Attorney/47afddb8-868e-4fee-af54-19c111d47668/Presentation/ceExpertCVUpload/bailey.w_full.pdf)
- In 2007, the RNCNIRP (Russian National Committee on Non-ionizing Radiation Protection) have *agreed with the Bioinitiative Report – 2007 scientists and not ICNIRP!* The sheer weight of evidence, where even the WHO admits that 80% of studies in some areas show sub-heating adverse health effects, suggests that ICNIRP, as currently constituted, lacks the necessary medical and biological expertise to assess the relevant data. [wiredchild.org/component/content/article/46-hidden/99-i..](http://wiredchild.org/component/content/article/46-hidden/99-i..)
- In 2007, the **Brussels Appeal** called for stricter guidelines on wireless technology.  
[http://www.cellphonetaskforce.org/?page\\_id=128](http://www.cellphonetaskforce.org/?page_id=128)
- In 2008, the **European Union** voted 522 to 16 saying “Today’s exposure limits are obsolete.” [http://www.cellphonetaskforce.org/?page\\_id=128](http://www.cellphonetaskforce.org/?page_id=128)
- In 2008, the **Venice Resolution** called for stricter guidelines on wireless technology;  
[http://www.cellphonetaskforce.org/?page\\_id=128](http://www.cellphonetaskforce.org/?page_id=128)
- In 2008, the **Berlin Appeal** called for stricter guidelines on wireless technology;  
[http://www.cellphonetaskforce.org/?page\\_id=128](http://www.cellphonetaskforce.org/?page_id=128)

- In 2009, the **Scientific Panel in Norway** issued a health warning that the public is not being protected and concluded that: “standards for Wi-Fi and other wireless technologies are entirely inadequate ...”! [http://www.cellphonetaskforce.org/?page\\_id=128](http://www.cellphonetaskforce.org/?page_id=128)
- In 2009, the **Dutch Appeal** called for stricter guidelines on wireless technology; [http://www.cellphonetaskforce.org/?page\\_id=128](http://www.cellphonetaskforce.org/?page_id=128)
- In 2009, the **EMF Resolution** called for stricter guidelines on wireless technology; [http://www.cellphonetaskforce.org/?page\\_id=128](http://www.cellphonetaskforce.org/?page_id=128)
- In 2009, the **Porto Alegre Resolution** called for stricter guidelines on wireless technology; [http://www.cellphonetaskforce.org/?page\\_id=128](http://www.cellphonetaskforce.org/?page_id=128)
- In 2009, the **Paris Appeal** called for stricter guidelines on wireless technology; [http://www.cellphonetaskforce.org/?page\\_id=128](http://www.cellphonetaskforce.org/?page_id=128)
- In 2009, the **London Resolution** called for stricter guidelines on wireless technology; [http://www.cellphonetaskforce.org/?page\\_id=128](http://www.cellphonetaskforce.org/?page_id=128)
- In 2010, the **Seletun Consensus Statement** called for stricter Guidelines on wireless technology. [http://www.cellphonetaskforce.org/?page\\_id=128](http://www.cellphonetaskforce.org/?page_id=128)
- In 2010, the **Copenhagen Resolution** called for stricter guidelines on wireless technology; [http://www.cellphonetaskforce.org/?page\\_id=128](http://www.cellphonetaskforce.org/?page_id=128)
- In 2010, the **International Appeal of Würzburg** called for stricter guidelines on wireless technology; [http://www.cellphonetaskforce.org/?page\\_id=128](http://www.cellphonetaskforce.org/?page_id=128)
- In a 2011 news release: **PACE (Parliamentary Assembly - Council of Europe)** “ ... urges all governments to **reconsider ICNIRP’s Exposure Limits** (which are followed by the WHO and Health Canada) “*which have serious limitations” and apply as low as reasonably achievable (ALARA) principles ... Governments should ‘take all reasonable measure to reduce exposure to EMFs.’* (The Council of Europe has 47 member countries representing 800-million people.) [http://assembly.coe.int/ASP/NewsManager/EMB\\_NewsManagerView.asp?ID=6685](http://assembly.coe.int/ASP/NewsManager/EMB_NewsManagerView.asp?ID=6685)
- In 2011 - **Council of Europe** (47 countries – 800 million people) Committee called for: “ban of cell phones and Wi-Fi in all schools ... immediate action is required to protect children ... it’s crucial to avoid repeating mistakes concerning the dangers of asbestos, tobacco and lead.” <http://articles.mercola.com/sites/articles/archive/2011/06/02/european-leaders-call-for-ban-of-cell-phones-and-wifi-in-schools.aspx>

- In 2011 - **European Parliaments** (47 countries – 800 million People) The Council of Europe and the European Parliament recognize *for the first time* biological effects of EMF on living plants, animals and human beings. The need now is to protect citizens from EMR, particularly "pregnant women, newborn babies & children." <http://www.safeinschool.org/2011/05/europes-may-2011-report-calls-for-ban.html><http://www.magdahavas.com/wordpress/wp-content/uploads/2011/06/Weigel-2011.pdf>

### **I.E.E.E. - Institute of Electrical and Electronics Engineers and** **F.C.C. - Federal Communications Commission**

Since the 1960s, the **IEEE** has influenced world standards, such as the FCC (Federal Communications Commission), ICNIRP (International Committee on Non Ionizing Radiation Protection) and the W.H.O. [www.ieee.org/wiki/index.php/IEEE-USA\\_History](http://www.ieee.org/wiki/index.php/IEEE-USA_History)

Within the IEEE, it is the **International Committee on Electromagnetic Safety (ICES)** that determines that organization's Exposure Limits. Eyebrows are raised when one realizes who the members of ICES are: *the U.S. Air Force, the U.S. Army, Alcatel-Lucent, Bell, Motorola, Nokia and Siemens!* [http://www.youtube.com/watch?v=AHhfjQ1\\_JVw&lr=1](http://www.youtube.com/watch?v=AHhfjQ1_JVw&lr=1)

In 1975, the **U.S. Defense Intelligence Agency** warned its own people about *the dangers of low-level microwave radiation!* [www.wirelesswatchblog.org/wp-content/uploads/2001/11/20...](http://www.wirelesswatchblog.org/wp-content/uploads/2001/11/20...)

In 1979, both **NIOSH (National Institute for Occupational Safety and Health)** and **OSHA (Occupational Safety and Health Agency)** urged that *Precautionary measures* be used to protect workers from the harmful effects of EMR. [www.cdc.gov/niosh/docs/80-107/](http://www.cdc.gov/niosh/docs/80-107/)

1996 – present, **Dr. William Bailey** has been a Member of IEEE's, International Committee on Electromagnetic Safety, Subcommittee 3 - Safety Levels with Respect to Human Exposure to Fields (0 to 3 kHz) and Subcommittee 4 - Safety Levels with Respect to Human Exposure (3kHz to 3GHz) This is the Committee that sets IEEE's Exposure Limits, the members of which are: *the U.S. Air Force, U.S. Army, Motorola, Nokia, Siemens, Alcatel-Lucent and Bell.* [http://www.exponent.com/files/Attorney/47afddbd-868e-4fee-af54-19c111d47668/Presentation/ceExpertCVUpload/bailey,w\\_full.pdf](http://www.exponent.com/files/Attorney/47afddbd-868e-4fee-af54-19c111d47668/Presentation/ceExpertCVUpload/bailey,w_full.pdf)

In 1998, the **NIEHS (National Institute of Environmental Health and Safety)** classified ELF EMFs a 2B "Possible" Carcinogen. The final vote of the panel was 19 to 9 in favor of categorizing ELF EMFs, such as those from power lines and electrical appliances, as possible carcinogens." <http://lifeenergies.com/he-emr/>

In 1999, the **U.S. Consumer Affairs Commission** found current *thermal* guidelines associated with EMR are irrelevant, because *Cancer and Alzheimer's are associated with non-thermal EMR effects.* <http://lifeenergies.com/he-emr/>

## **Fortis' Application for a CPCN (Cont'd)**

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In 2006, IEEE recommended *raising* their Exposure Limits! [www.gao.gov/assets/600/592901.pdf](http://www.gao.gov/assets/600/592901.pdf) and [www.dslreports.com/shownews/GAO-Wants-FCC-to-Update-Cel...](http://www.dslreports.com/shownews/GAO-Wants-FCC-to-Update-Cel...)

In 2012, **fifteen nations and the European Union** have issued precautionary health warnings about cell phone radiation. However, efforts at the Federal, state, and local level in the U.S. have repeatedly been blocked by political and legal opposition from the CTIA (Cellular Telecommunications Industry Association), the Wireless Industry's lobbying arm. [www.prlog.org/12094566-wireless-industrys-patented-syst...](http://www.prlog.org/12094566-wireless-industrys-patented-syst...)

In 2012, Conflict of Interest? **Dr. Henry Lai**, a University of Washington scientist in cellular and molecular engineering, who reviewed 85 papers on the DNA-damaging effects of the type of microwave radiation that comes from cell phones. Seventy-five percent of studies funded by the wireless industry or the military showed no genotoxic effects, while 80% of studies done by independent scientists showed a connection. <http://articles.mercola.com/sites/articles/archive/2012/12/20/cell-phone-research-deception.aspx>

### **E.H.S. Electromagnetic hypersensitivity or Electrohypersensitive**

Notwithstanding **Dr. Bailey's** dismissal of EHS being a legitimate medical condition:

- In 1932, the Germans first recognized "*Microwave Sickness*" among thousands of workers, which is now called EHS – **80 years** ago!  
<http://smartmeterdangers.org/index.php/position-statements/206-smart-meters-correcting-gross-misinformation>
- Since the 1950's, the Soviet Union and Eastern Bloc countries have known about what was then called: '*Radio wave Sickness*,' which is now called EHS – **60+ years** ago!  
[http://www.cellphonetaskforce.org/wp-content/uploads/2011/06/Electromagnetic\\_Hypersensitivity.pdf](http://www.cellphonetaskforce.org/wp-content/uploads/2011/06/Electromagnetic_Hypersensitivity.pdf)
- In approximately 2000, Dr Gro Harlem Brundtland, MD, MPH (Harvard), Director General of WHO and a former two-time Prime Minister of Norway, became the first international figure to acknowledge she was EHS.  
[www.earthisland.org/journal/index.php/eij/article/warni...](http://www.earthisland.org/journal/index.php/eij/article/warni...)
- EHS is an officially recognized disability in Sweden for which government and private sector employers must make provision for and accommodate workers having such a disability.  
[iopscience.iop.org/1755-1315/10/1/012005/pdf/1755-1315 ...](http://iopscience.iop.org/1755-1315/10/1/012005/pdf/1755-1315...)
- In 2005, NIOSH – National Institute for Occupational Safety and Health officially recognized EHS – more than 50 years after the Soviet Union had done so!  
[Victor tribute.pdf – Adobe Reader](#)

- Surveys of various governments in 2006 revealed the following incidents of EHS sufferers:
  - ❖ Marin County, California – 7% in 2002
  - ❖ Germany – 6% in 2002
  - ❖ Switzerland – 5% in 2006
  - ❖ Sweden – 3.1% in 2001
  - ❖ Scientists now think 10% of the general population suffer from EHS and fear this will increase to 50% by 2017!  
[http://www.cellphonetaskforce.org/wp-content/uploads/2011/06/Electromagnetic\\_Hypersensitivity.pdf](http://www.cellphonetaskforce.org/wp-content/uploads/2011/06/Electromagnetic_Hypersensitivity.pdf)

### Conclusion

The moment Fortis chose the 'wireless' option to connect together all Smart Meters in a meshed-grid network, they unwittingly plunged themselves through a trap door into the murky, arcane and extremely dangerous theatre of the militaries of the world – which they either don't know about or are just too blinded by the obscene profits they, like all electric utilities, expect to reap from this wireless technology.

According to BCUC's website, your primary responsibility is to ensure, in part: “ ... *that utilities provide safe, adequate and secure service to their customers.*” (emphasis added is mine.). With respect to Fortis' proposed AMI/Smart Meter program, had they chosen a safe technology, such as fiber optic cable, BCUC would not be in the extremely awkward position in which you now find yourself. Instead of having to simply decide on the pros and cons of a wired smart meter, you are now forced to consider the public's environmental safety as, in a meshed-grid network, the public will be living in meshed-grid networked communities of from 500 to 5,000 homes. Fortis' technology will be deliberately and knowingly radiating each and every person within its jurisdiction and communities will be blanketed with some indeterminate, perhaps incalculable, layer of toxic microwave radiation spewing from the literally *tens-to many tens of thousands of pulsing microwave transmitters that will be in every community.* And the whole world already knows that the **WHO** (World Health Organization) classified all electromagnetic radiation (EMR) – including that which smart meters will spew – a class 2B “Possible” carcinogen.

In this paper I have provided BCUC with unassailable evidence dating back more than 50 years showing that the militaries have long known of the dangers of chronic exposures to low-level, non-thermal pulsed microwave radiation. I have also provided ample evidence to easily refute Dr. Bailey's disingenuous contention that there is no such thing as EHS (electromagnetic hypersensitivity). I have also provided numerous examples showing that for more than 30 years, various U.S. federal agencies have reported – or tried to report – that chronic, pulsed, low-level, non-thermal microwave radiation is very dangerous, some say extremely dangerous, only to have governments – up to and including President George W. Bush's White House - quash their findings to protect the U.S. military, the telecom, wireless and electric power industries' commercial interests. I have provided ample evidence of corruption – naked, putrid corruption! I have provided evidence that even Canada's own independent scientific community, including the National Research Council,

disagrees strongly with Health Canada's stubborn defense of its globally reviled Safety Code 6. I have provided unassailable evidence that today's criminally high Safety Code 6 'Exposure Limits,' like those of other 'standard-setting bodies' were established essentially by one person who, himself, was the subject of a petition within the WHO to have him removed from that world body. I have provided further evidence that both the Council of Europe (47 countries representing 800-million people) - who have historically adhered to ICNIRPs' 'Exposure Limits' – have abandoned ICNIRP's guidelines, as has the RNCNIRP (Russian National Committee of Non Ionizing Radiation Protection) , the latter having publicly rejected ICNIRP's guidelines in favour of those recommended in the BioInitiative Report 2007.

Thanks to the honest, selfless, hard-working, dedicated, principled scientists from around the world, there exists now a veritable mountain of evidence which can no longer be denied and it continues to grow. Thanks to the Internet, one has only to look to find the truth – although one must be careful where one looks, as I have shown in this report: one can no longer automatically trust our governments. What we're experiencing today is much like the Tobacco debacle; only wireless technology is far more insidious and vastly more dangerous. Just the players have changed. And one cannot escape this radiation – which can't be seen, heard, tasted or touched - yet it is everywhere.

Because it is your responsibility to ensure utilities provide customers with safe technology, BCUC have no choice but to deny Fortis' application. You are the absolute last bastion of defense for Fortis' customers; you simply must protect them. By denying Fortis' application, you will be indirectly protecting your own families, and, I suspect, cause absolute and utter legal chaos and upheaval right across North America, if not the entire world! I pray you are up to the task and have the strength and the courage to do what must be done. This is a truly unprecedented and history-making opportunity for BCUC's current commissioners to distinguish themselves above all others for having the integrity, honesty, strength and courage to make the only morally right decision. I hope and pray ... for all of us ... that you are up to the task. Thank you.

Yours truly,

Jerry Flynn