



June 21, 2023

British Columbia Utilities Commission
Suite 410, 900 Howe Street
Vancouver, BC Canada V6Z 2N3

Att: Commission Secretary

Re: Immediate Reconsideration for FortisBC Inc. Application For a Certificate of Public Convenience and Necessity for the Advanced Metering Infrastructure Project – Project No.3698682

Dear Commission Secretary:

I am a Registered Intervener for the West Kootenay Concerned Citizens(WKCC) regarding FortisBC's Advanced Metering Infrastructure **Project No.3698682**.

I attended the British Columbia Utilities Commission(BCUC) hearings in Kelowna, BC for FortisBC's application in the best interest of all parties. My government credentials are recognized across Canada for the utilization of all electricity.

There are particular reasons we wire the world and use insulated known conductors instead of putting populations, infrastructure and environment inside a man made microwave oven.

BC Hydro was allowed to use the Clean Energy Act to bypass the BCUC application for wireless smart meters when the act isn't applicable. Microwaving the atmosphere and all under it for ease of communications was not considered in utility applications for wireless meters. Utilities were applying through Utility Commissions for the end use device **only** on the wireless electrical circuit.

Every one of BC Hydro's customers in their coverage area is being adversely affected by the illegal meter and wireless electrical grid. The same with FortisBC's jurisdiction of 17,000 sq. km

Health Canada's exposure code was based on 6 minutes exposure for a 200 lb man. [Safety Code 6 \(2009\): Limits of Human Exposure to Radiofrequency Electromagnetic Energy in the Frequency Range from 3 kHz to 300 GHz \(thermoguy.com\)](https://www.thermoguy.com/safety-code-6-2009-limits-of-human-exposure-to-radiofrequency-electromagnetic-energy-in-the-frequency-range-from-3-khz-to-300-ghz)

Wireless is considered to be innovative and a goldmine except exposure guidelines admit critical science is missing. The missing mechanisms of interaction and mechanisms of action are not understood. The missing science **must** be qualified before encapsulating areas in highly penetrating electromagnetic fields. There are no circumstances where electrical professional allow electrical current to be induced. It is called electrocution and why they use the electric chair for death penalties.

Today the code has been rubber stamped where 24/7 exposure is allowed including pregnant women, building development, atmosphere and ecosystems globally. Here is a link to the entire science used for the safety of wireless [EMC Compliance Club \(nutwooduk.co.uk\)](http://nutwooduk.co.uk)

Dr. Orr radiated chicken eggs because they hatch in 60 days, the chicks were mutated. [Radio Frequency Exposure Causing Mutation of Eggs | Thermoguy | Thermographic Thermal Infrared \(IR\) Imaging Expert](#)

British Columbia Utilities Commission(BCUC) Community Input Session in Trail, B.C. November 6, 2012

Our team's risk assessment background is over forty years and the reason we were asked to present in Trail BC. It was alarming to see the BCUC panel in Trail selling wireless safety when there is no acceptable time in a radio frequency radiation environment. How long can you put a baby in a microwave for?

Exposure codes including Safety Code 6(2009) admit critical science is missing! It should have set off alarm bells when exposure codes and guidelines admit the mechanisms of interaction and mechanisms of action were not understood. British Columbia Building Code states all new and existing buildings must comply with Building Code.

The missing mechanisms of interaction are the electromagnetic fields(emfs) generated for the wireless circuit. As electrical professionals, there are no circumstances where people would be put in an EMF. It means you are inside the electrical circuit and current kills.

Here is a link to the Community Input Session in Trail, BC. **Exposing the plastic head as the entire science used for the safety of wireless radiation should have stopped any further proceedings immediately.**

http://www.bcuc.com/Documents/Proceedings/2012/DOC_32437_C19-4_WKCC-Submission-Trail.pdf

Boeing Engineers used 120,000 pounds of potatoes for safety of Wi-Fi on airplanes

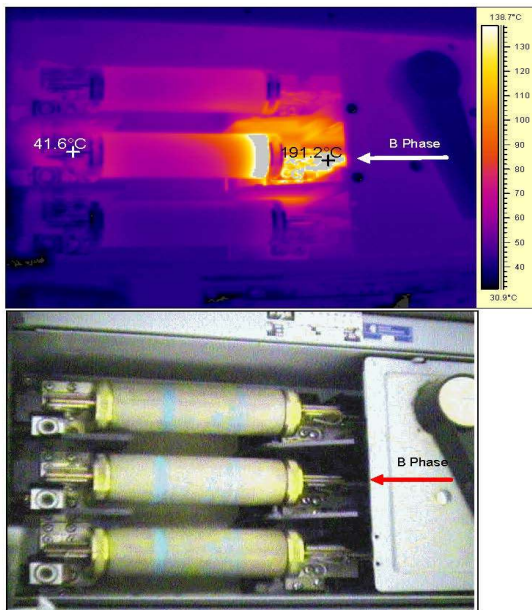
[Boeing Engineers Use Potatoes For Wi-Fi Safety on Airplanes?? | Thermoguy | Thermographic Thermal Infrared \(IR\) Imaging Expert](#)

Ex Prime Minister Stephen Harper's Admin Allows Mass Installation of Wireless Smart Meters

[Ex Prime Minister Stephen Harper's Admin Allows Mass Installation of Wireless Smart Meters, Wi-Fi While Health Canada Revises Health Canada's Safety Code 6\(2009\) Okanagan MP Stephen Fuhr, Smart Meters and Prime Minister Trudeau Failure to Share Advanced Climate Change Science Denied G-7 Partners MILLIONS of immediate tax paying jobs | Thermoguy](#)

There are defined electrical connections where the utility's distribution ends and utilization begins. FortisBC should not have been allowed to apply for wireless smart meters or exchange electrical meters that are not their jurisdiction. Bypassing jurisdictions electrically has more ramifications than represented.

The biggest cause of electrical failure is loose and corroded connections. Electrical maintenance is a requirement to avoid shutdowns, fires or explosions. The image below was part of an electrical inspection while the electrical is under load. Use the temperature graph on the right side of IR image below and a stab connection on the fused disconnect is 191.2 deg. C. Left unattended there would be electrical failure with explosions and fires. Shutdowns are based on our reporting.



Fused Disconnect

[Loose or Corroded Electrical Connections Cause Electrical Failure, Explosions & Fires | Thermoguy | Thermographic Thermal Infrared \(IR\) Imaging Expert](#)

The BCUC made a decision that the FortisBC Application through the BCUC would proceed. Here are the links to those legal proceedings.

[Professor Curtis Bennett Written Opening Statement for the BCUC Proceedings](#)

http://www.bcuc.com/Documents/Proceedings/2013/DOC_33849_C19-17_WKCC-WRITTEN-OPENING-STATEMENT.pdf

[Professor Curtis Bennett Cross Examined FortisBC Experts For 3.5 hours](#)

https://docs.bcuc.com/documents/proceedings/2013/doc_33530_c19-11_wkcc_ir-3.pdf

FortisBC Written Questions For WKCC Intervener Professor Curtis Bennett to Answer

http://www.bcuc.com/Documents/Proceedings/2013/DOC_33705_C19-13_WKCC_Resps-FBC_IR-1_Intvr-Evidence.pdf

FortisBC Refused to Answer Questions By WKCC Intervener Professor Curtis Bennett

Director Andy Shadrack Calling for Suspension of Proceedings

http://www.bcuc.com/Documents/Proceedings/2012/DOC_32604_C19-6_WKCC-Submission-RDCK-Nelson-Creston_Suspension.pdf

FortisBC is Publicly Traded. A letter to CEO, Mark Warren & BC Hydro Warning of Liability

<http://thermoguy.com/wp-content/uploads/Letter-for-FortisBC-CEO-Mark-Warren-BC-Hydro-etc-on-Smart-Meter-Program-1.pdf>

Response to Kelowna Mayor & Council on FortisBC Article in Kelowna Daily Courier Meters are Safe and Smart

[Response to FortisBC's Daily Courier Article Advances Meters are Safe and Smart \(thermoguy.com\)](http://thermoguy.com/wp-content/uploads/Response-to-FortisBCs-Daily-Courier-Article-Advances-Meters-are-Safe-and-Smart.pdf)

City of Worcester Zone Meeting on Smart Meters January 2, 2014

<http://thermoguy.com/city-of-worcester-zone-meeting-on-smart-meters/>

Submission Requests

https://thermoguy.com/wp-content/uploads/Texas_Senate_Committee_Meeting_on_Smart_Meters.pdf

<http://thermoguy.com/wp-content/uploads/Michigan-House-of-Representatives-Smart-Meters.pdf>

Submission Request by Canadian Nuclear Safety Commission(CNSC)

<http://thermoguy.com/submission-for-canadian-nuclear-safety-commission-on-rf-emfs-causing-accelerated-corrosion-making-the-power-plants-non-compliant-with-building-codes/>

Mysterious Attacks by EMFs

<http://www.dailymail.co.uk/news/article-5151315/Doctors-identify-brain-abnormalities-Cuba-attack-patients.html>

<http://thermoguy.com/smart>

[-grid-stimulating-nerves-killing-biology-radiating-buildings-infrastructure-providing-excuse-for-criminal-behavior/](http://thermoguy.com/smart-grid-stimulating-nerves-killing-biology-radiating-buildings-infrastructure-providing-excuse-for-criminal-behavior/)

<https://globalnews.ca/news/3743351/cuba-mystery-device-attacks-on-canada-us-diplomats/>

<https://www.theatlantic.com/international/archive/2017/09/cuba-embassy/541548/>

<https://www.theguardian.com/world/2017/sep/14/mystery-of-sonic-weapon-attacks-at-us-embassy-in-cuba-deepens>

<http://www.cbc.ca/news/world/us-cuba-diplomats-attacks-1.4313089>

<http://www.wfaa.com/news/local/investigates/parents-teachers-demand-answers-as-arlington-schoolhouse-rocked-by-illnesses/395907519>

<http://www.aljazeera.com/news/2017/09/cuts-cuba-diplomatic-staff-mysterious-attacks-170929160350671.html>

<https://www.nytimes.com/2017/09/29/us/politics/us-embassy-cuba-attacks.html>

<https://www.thestar.com/news/world/2017/10/02/us-to-ask-cuba-to-cut-embassy-staff-by-60-following-mysterious-health-attacks.html>

<https://www.bloomberg.com/news/articles/2017-01-18/the-mystery-of-american-s-ailing-flight-attendants>

Radio Frequency EMFs Interfere With Pacemakers Feb. 15, 2014

<http://thermoguy.com/emfs-and-rf-emfs-interfere-with-pacemakers/>

Bioeffects of Selected Non Lethal Weapons

<https://thermoguy.com/wp-content/uploads/Bioeffects-of-Selected-Non-Lethal-Weapons.pdf>

Health Minister on Wi-Fi September 2010

https://thermoguy.com/wp-content/uploads/Health_Minister_on_Wi-Fi_September_20101.pdf

William Bathgate PowerPoint Presentation-Evaluation of Itron Open Way AMI Meter

<https://thermoguy.com/wp-content/uploads/William-Bathgate-PowerPoint-Presentation-Evaluation-of-Itron-Open-Way-AMI-Meter.pdf>

Causation and Biology Linking EMFs To Adverse Health Lectured For Continuing Medical Education Credits Required for Ongoing Medical Licensing (No longer a debate)

<http://thermoguy.com/causation-and-biological-plausibility-linking-rf-emfs-to-adverse-health-effects-lectured-for-continuing-medical-education-credits-required-for-ongoing-medical-licensing-no-longer-a-debate-and-retired/>

The entire scope of medical diagnosis has changed with EMF exposure triggering nerves, muscles, changing frequencies throughout the body and brain. That is compounded by the microwave frequencies polarizing billions of times per second cooking/killing the body.

Open Letter to Provinces, Territories and Municipalities on Smart Meters June 19, 2012

https://thermoguy.com/wp-content/uploads/Open_Letter_to_Provinces_Territories_and_Municipalities_on_Smart_Meter_Legality.pdf

<https://thermoguy.com/okanagan-mp-stephen-fuhr-and-prime-minister-trudeau-failure-to-share-advanced-climate-change-science-denied-g-7-partners-millions-of-immediate-tax-paying-jobs/>

Electrical Frequency Problem at Lumber Mill

Here is an example where a lumber mill contacted our team as per insurer's request to inspect a new MCC.(Motor Control Centre) The MCC would provide power for the entire mill, operations and admin.

An expensive mistake happened as a result of a failure by the entire electrical department. A rectangular hole should be cut in the top of the metal MCC. A mica or insulating board with holes cut for the single conductors would stop the emf interaction with metal MCC causing a ground fault(explosion).

This is an example of how overhead power lines can be dangerous. Single overhead power lines are dangerous.

[**Electrical Frequency Problem in Lumbermill \(thermoguy.com\)**](#)

Forest Fires Can Be Seen and Tracked Through Smoke Using Non Invasive Radiology

<http://thermoguy.com/edited-fire-inquiry-of-2003-prevented-helping-bc-forest-fires-of-2009/>

FortisBC's application to the BCUC did not include a microwave grid encapsulating FortisBC coverage area of 17,000 sq. km. Electromagnetic fields(EMFs) in the microwave frequency range means you are literally blanketing 17,000 sq km with highly penetrating electromagnetic fields.

There is nothing in the coverage area designed for microwaves except the meter and everything in the coverage area will be adversely affected or die.

Radiation is absorbed or reflected depending on emissivity. Damage is measured by the second. 86,400 times every 24 hrs. There are no circumstances where we would allow wireless electromagnetic fields(emfs) to encapsulate the WKCC coverage area or any jurisdiction. It means you are inside the wireless electrical circuit and current KILLS. There are reasons we wire the world.

Current kills and loss of entire tax base will result.

British Columbia Utilities Commission - Reconsideration and Appeals

An intervener's role does not necessarily end with the announcement of the Commission's decision. If the utility or an intervener believes the Commission made a significant error, they may raise the issue again for further scrutiny by way of a reconsideration or an appeal.

It is important to realize, however, that an intervener cannot have a decision reconsidered or appealed merely because he or she is unhappy with the result of the decision. Rather, the intervenor must be able to identify a specific error which the Commission made in arriving at its decision.

The Utilities Commission Act Provides Three Remedies For Parties Who Wish to Challenge a Commission Decision.

1. An application can be made to the Commission to reconsider its own decision under Sections 99 and 100 of the Utilities Commission Act. Under Section 101(1),
2. If a hearing is held or required under this Act before a rule or regulation is made, the rule or regulation must not be altered, suspended or revoked without a hearing.

An appeal of the decision can be made to the Court of Appeal for British Columbia on the grounds that the Commission has made an error of law or jurisdiction in reaching its decision.

3. A third remedy is a complaint to the Ombudsman. If a party is dissatisfied with the Commission's procedure, a complaint can be made. However, only procedural issues will be reviewed by the Ombudsman.

Remedy 1. Reconsideration

99 The commission, on application or on its own motion, may reconsider a decision, an order, a rule or a regulation of the commission and may confirm, vary or rescind the decision, order, rule or regulation.

Remedy 2. Requirement for Hearing

100 If a hearing is held or required under this Act before a rule or regulation is made, the rule or regulation must not be altered, suspended or revoked without a hearing.

An appeal of the decision can be made to the **Court of Appeal for British Columbia on the grounds that the Commission has made an error of law or jurisdiction in reaching its decision.**

Remedy 3. Complaint to Ombudsman

If a party is dissatisfied with the Commission's procedure, a complaint can be made. However, only procedural issues will be reviewed by the Ombudsman.

The **evidence supporting applicability of all three remedies** in the Reconsideration Criteria are Exponent Inc's Report, BCUC transcripts and FortisBC's expert panel under oath. The BCUC's panel was corrupt making decisions behind closed doors and refused to answer WKCC registered intervener's questions.

That gross negligence by encapsulating their coverage area with highly penetrating electromagnetic fields(EMFs) is inducing electrical current, There are no zero circumstances where electrical professionals allow current to be induced. Keeping it simple, we are not electrically compatible. **Inducing electrical current kills.** Ted Bundy was not electro hypersensitive(EHS) to the electric chair.

Fortis BC's coverage area is 17,000 sq. Km and FortisBC admitted under oath the wireless EMFs will encapsulate their coverage area. **ALL buildings are no longer compliant with BC Building Code.** Buildings can not be bought, sold or occupied meaning loss of the tax base. Margin of error is zero.

[Criteria For Reversing Wireless Smart Meters \(BCUC\) Reconsideration Criteria For Reversing FortisBC's Application For Wireless Smart Meters. | Thermoguy | Thermographic Thermal Infrared \(IR\) Imaging Expert](#)

My opening statement for the BCUC included being there in the **best interests of all parties** and looking forward to cross examination. I cross examined FortisBC experts under oath for 3.5 hours, FortisBC chose not to cross examine me.

The BCUC provided the legal avenue I have a legal avenue to reverse the BCUC's decision allowing the mass installation of wireless smart meters.

This document will substantiate the BCUC's blatant errors approving FortisBC's application. The result of the errors have undermined the Canadian Government, BC Government, provinces, municipalities, districts and First Nations. There are unrealized costs and liabilities with no margin of error.

The BCUC transcripts will show FortisBC experts were technically disqualified. Their cross examination confirmed their errors and omissions in reporting.

FortisBC's risk assessment report was missing critical science and their experts admitted those errors during cross examination. I cross examined FortisBC experts under oath for 3.5 hours, FortisBC chose not to cross examine me.

My opening statement for the BCUC included looking forward to cross examination. I attended the hearings in the best interest of all parties calling for the **immediate suspension** of B.C. wireless smart meter

programs.

This document will summarize 1000's of hours of objective investigation finding and reporting errors and omissions in Health Canada's Safety Code 6(2009).

The real damage can be measured by the second and it is an unprecedented emergency. The previous administration allowing mass deployment of wireless smart meters have passed on significant liability Premier John Horgan's administration isn't aware of. Gordon Campbell's office editing the Fire Inquiry after 2003 undermined your agenda fighting fires.

While this document will not be popular at many levels including utilities, FCC, IEEE, governments, companies or professionals that didn't do their jobs. An unprecedented health, environment and economic emergency have been created that needs to be addressed immediately. RF EMFs are microwaves that are not supposed to hit people, buildings, infrastructure, classrooms, schools, atmosphere or ecosystems. The fact that all of the above industries are using a plastic head or body part with liquid in it to supersede all sciences, codes and standards while they mass deploy has created the unprecedented emergency. Site C Dam and any pipeline can **not** move ahead or they will fail. The only construction that can withstand these EMFs as deployed is an MRI Chamber.

The British Columbia Utilities Commission (BCUC) directed me to your office specifically regarding the reversal of BC Hydro's smart meter program. BC Hydro used the Clean Energy Act to bypass the BCUC application for smart meters while FortisBC went through the BCUC application process.

The reason I was asked to be the West Kootenay Concerned Citizen's Registered Intervener in the FortisBC smart meter application was specific to my background which includes government credentials for electrical energy provision.

Governments never should have allowed the mass deployment of smart meters. Exposure codes used around the world admitted causation and biological plausibility linking EMFs to adverse health effects was missing. Now that causation and biological plausibility has been found as well as reported through Health Canada, there will be liability for the real damage done. Ex PM Stephen Harper will have to own that his administration allowed populations including children and babies to be put inside a man made microwave oven.

[Bioeffects of Selected Non Lethal Weapons \(thermoguy.com\)](http://thermoguy.com)

[Wi-Fi Can't Be Ruled Out Causing Mystery Illness Affecting Staff, Students & Parents At Arlington Independent School District In Texas | Thermoguy | Thermographic Thermal Infrared \(IR\) Imaging Expert](http://thermoguy.com)

[Health Canada Not Reporting Error or Omission in Safety Code 6 or Recommendations of Committee | Thermoguy | Thermographic Thermal Infrared \(IR\) Imaging Expert](http://thermoguy.com)

[Response to Health Canada on IARC June 2011 \(thermoguy.com\)](http://thermoguy.com)

[American Academy of Environmental Medicine Press Advisory on EMFs](http://thermoguy.com)

[Microsoft Word - Document1 \(thermoguy.com\)](http://thermoguy.com)

[American Academy of Pediatrics Supports Child Cell Phone Protection1.pdf \(thermoguy.com\)](#)

Presentation for Royal Society of Canada

Our presentation for the Royal Society of Canada was deleted and thank you to a person at the presentation for videoing.

<https://youtu.be/cImb6Xwn6R4>

The construction industry is the economy and governed by codes. It takes all different trades and services working together to get the job done. Compliance with applicable codes is required or there would be no financing, insuring, occupying, selling, buying, investment or associated economy. Governments rely on the tax base to provide services. Our job includes reporting to and through authorities having jurisdiction for that compliance.

BC Building Code as one example does not state science is missing; buildings are falling down but keep building. Canadian Electrical Code does not reference explosions in the oil industries or people being electrocuted but keep wiring till cause is determined. Causation would be found first specific to consequences.

That is why I am informing you this document isn't a debate and all applicable professionals need to expand on it.

BC Hydro and FortisBC did not have the authority or jurisdiction to trespass and work on the meter base; they can only read their meter. The utility's meter is electrically connected to the building owner's meter base; any meter exchange or work on the meter base requires the utility and building owner's electrician to complete the job.

I was part of the team that found and reported the causal evidence to Health Canada linking EMFs to adverse health effects that has been missing for decades. Following that reporting, I provided expert witness **at the request** of Canadian Parliaments Standing Committee on Health. As the Chief of an international science advisory board of 14,301 members, causation was qualified for lecture for **Continuing Medical Education** credits. Medical professionals require education credits for ongoing medical licensing and that program was applicable to health professionals in North America. It is no longer a debate; it is medical education at the highest accredited level.

The diagrams by BC Hydro of their grid substantiate causation, how humans, buildings, infrastructure and ecosystems will be hit by highly penetrating RF EMFs.

This link is to a document sent to the City of Kelowna after FortisBC manager Mark Warren wrote an article on the safety of smart meters. <http://thermoguy.com/wp-content/uploads/Response-to-FortisBCs-Daily-Courier-Article-Advances-Meters-are-Safe-and-Smart.pdf>

FortisBC is a publicly traded company and their management put them in a position of unrealized liability. My job as the governments and utility's electrical expert is to report that to FortisBC CEO or I could be liable for not doing my job. This is the link to the letter sent to FortisBC CEO. Follow all links, it is all science and required education. <http://thermoguy.com/wp-content/uploads/Letter-for-FortisBC-CEO-Mark-Warren-BC-Hydro-etc-on-Smart-Meter-Program-1.pdf>

The Reconsideration to be filed with the BCUC has to prove an error was made by the BCUC. The BCUC was so technically overwhelmed, the errors are blatant and negligent. The BCUC summary of my participation in the hearings was dismissive and ridiculous.

FortisBC's own experts admitted causation and biological plausibility was missing in their risk assessment report for FortisBC. They were under oath during my cross examination.

The Reconsideration for the BCUC to reverse the FortisBC application for wireless smart meter will be emailed to the BCUC's office first thing tomorrow morning. I will have a copy emailed to you as well. It is really important that professionals that want to dispute this have to technically disqualify me and represent that ridiculous plastic head or potato as science on safety.

This link is to FortisBC Proceedings http://thermoguy.com/wp-content/uploads/Fortis_BC_AMI_Vol_6.pdf
Part of my direct cross examination is below, the link above is to the entire proceedings.

Page 1197 line 18 MR. BENNETT: Q: Is 10 feet going to make you safe if you're in the coverage area?

Page 1197 line 20 MR. WARREN: A: Yes, it will. With the FortisBC smart meters, you're safe even at 20 centimeters.

Page 1171 line 20 to page 1172 line 12 MR. WARREN: A: I need to take exception, Mr. Bennett, with your characterization of us irradiating 17,000 square kilometres, and that's -- it's simply a complete exaggeration and an untruth. And what we heard from Dr. Shkolnikov earlier is that the amount of increase in radiation that would result from smart meters is going to be barely perceptible -- the entire smart metering system is going to be barely perceptible over background levels. And that's the truth of the matter. We can exaggerate it all we want but it doesn't change that fact. And you imply that there's some liability associated with that, and that is simply not true either. Like to the extent -- well, I can't say, I'm not a lawyer, but to my knowledge we are not just compliant with all laws and regulations with respect to radio frequency, but we are far, far below those levels. And so I submit it's just not helpful to make those assertions.

Page 1172 line 13 MR. BENNETT: Q: Is your coverage area 17,000 square kilometers?

Page 1172 line 15 MR. WARREN: A: That's roughly correct.

Page 1172 line 16 MR. BENNETT: Q: Are you going to communicate with these wireless devices with these high-speed frequencies over 17,000 square kilometers?

Page 1172 line 19 MR. WARREN: A: I think we've been very clear about that, yes.

Retired Canadian Navy Officer Jerry Flynn that specialized in electronic warfare cross examined FortisBC experts getting FortisBC to admit the range of the network antenna was 2 to 3 kms.

This document will summarize years of investigation to represent science missing for decades on EMF exposure. Government transcripts and evidence of the BCUC with FortisBC experts under oath will be referenced. As the governments and Industry Canada's certified electrical professional for the utilization of all electricity, our education includes the structure of **all** matter. Everything in existence is atoms and molecules, interaction with penetrating, man made electromagnetic fields can have a profound affect.

There are real reasons governments with Industry Canada train and certify electrical trades to wire the world. Everything in existence is atoms and molecules, serious considerations

Populations, oil, gas, building development, dams, nuclear power plants, infrastructure, pollinators, agriculture, ecosystems, rivers, atmosphere, etc are not electrically compatible with highly penetrating man made electromagnetic fields (EMFs). All matter is electrical at the atomic/molecular level and **nothing** is electrically compatible with the man made RF EMFs except communication devices. Any EMF interaction with atoms and molecules can be extremely dangerous with profound effects on whatever the EMFs interact with.

The previous BC Government administration under the Liberals has created unrealized cost and liability. Over 60 municipalities, Districts and Native Bands in BC with legitimate concerns called for a moratorium on smart meters and were ignored. That end result is natives, municipalities and districts are inside their man made microwave oven. Wireless meters deployed with science admitted to be missing has consequences with the missing science found. FortisBC experts confirm the science missing during cross examination. The meters and installation are illegal, fire hazards, non compliant with BC Building Code with occupants as well as pets inside the wireless electrical circuit.

Health Canada's Safety Code 6(2009) for the limits of exposure admitted critical science was missing. It requires investigation how FortisBC's application for BCUC was even allowed **during** Health Canada's revision of Safety Code 6 (2009). Mass deployment of smart meters, Wi-Fi in schools including pre schools was allowed and 100s of millions of tax dollars spent **during** Health Canada's revision of Safety Code 6 (2009).

Critical Science Linking EMFs to Adverse Health Admitted to be Missing Globally

There have been so many complaints globally about RF EMF exposure that a diagnosis of microwave sickness or electro hypersensitivity (EHS) was given. The reference to sensitivity was due to causation and biological plausibility evidence linking EMFs to adverse health effects not being qualified. The correct electrical language when EMFs are inducing electrical current is electrocution. There is no acceptable induction of current into people.

May 31, 2011, the World Health Organization reported cell phones as “**possibly**” carcinogenic.

http://thermoguy.com/wp-content/uploads/WHO-on-Cell-Phone-Cancer-pr208_E-1.pdf

The word possibly was used because the mechanisms, causation and biological plausibility linking electromagnetic fields (EMFs) to adverse health effects were missing. Cell phones would be carcinogenic if the Government of Canada had reported causality and biological plausibility linking RF EMFs to adverse health effects was reported to Health Canada September 14, 2010. My testimony specific to causation and biological plausibility linking RF EMFs to adverse health effects was provided **at the request** of Canadian Parliaments Standing Committee on Health October 28, 2010. The Report of the Standing Committee December 2010 included the NDP Complimentary Report. The last page of the report, 4th paragraph stated “**Curtis Bennett's claim - that he has discovered a significant oversight in Safety Code 6 - should be thoroughly investigated by Health Canada, given Mr. Bennett's credentials.**” <http://thermoguy.com/wp-content/uploads/Report-of-The-Standing-Committee-on-Health.pdf>

Causation and biological plausibility linking RF EMFs to adverse health effects was then qualified for lecture for **Continuing Medical Education credits** required for ongoing medical licensing. The medical program was lectured at the University of Central Florida January 7 & 8, 2011 and applicable to health professionals in North America. Continuing Education brokers in Florida wanted the program approved for all health disciplines in Florida. Simply put, this is medical education now and no longer a debate. This link is to a letter from medical education founder and administrator. <http://thermoguy.com/wp-content/uploads/Revised-Ltr-re-EM-and-IHF.pdf>

Health Canada's Safety Code 6 (2009) Regarding Limits of Human Exposure

This document is applicable globally and Health Canada's Safety Code 6 (2009) will be referenced as the standard. **The first 9 pages are alarming in their errors, admissions, omissions and contradictions.** Unfortunately, that is the reality of what happens when critical science is admitted to be missing in exposure code on electromagnetic radiation (EMR). The Specific Absorption Rate (SAR) test for limits of human exposure is a plastic body part with liquid in it and is scientifically baseless.

Page 3 of Safety Code 6 (2009) is the Preface and the last paragraph states:

"The safety limits in this code are based on an ongoing review of published scientific studies on the health impacts of radiofrequency electromagnetic energy. This code is periodically revised to reflect new knowledge in the scientific literature and the exposure limits may be modified, if deemed necessary."

Page 7 of Safety Code 6 (2009) is the Introduction and the last sentence states:

"It must be stressed that Safety Code 6 is based upon scientifically-established health hazards and should be distinguished from some municipal and/or national guidelines that are based on socio-political considerations."

Page 7 of the Introduction, second paragraph of Safety Code 6 (2009) states:

It has long been recognized that sufficiently intense RF energy can cause heating of materials with finite conductivity, including biological tissues. A number of well established biological effects and adverse health effects from acute exposure to intense RF energy have been documented(4–9). For the most part, these effects relate to **localized heating or stimulation of excitable tissue from intense RF energy exposure**. The specific biological responses to RF energy are generally related to the **rate of energy absorbed**.

"**The rate and distribution of RF energy absorption depends strongly on the frequency, intensity and orientation of the incident fields as well as the body size and its constitutive properties (dielectric constant and conductivity).**"

Energy absorption has been highlighted because it is an admission that humans of all sizes and ages are absorbing man made microwave energy. The quote directly above has underlined areas where any changes would require impossible calculations and considerations. Unfortunately, Health Canada's revision of Safety Code 6 was amended to allow children and pregnant women can be exposed to microwave radiation 24/7. The pregnant mom and the **growing** baby in the womb are getting the same dosage of radiation from conception.

Page 8 of Safety Code 6 is the Purpose of the Code:

(a) specify maximum levels of human exposure to RF energy at frequencies between 3 kHz and 300 GHz, to prevent adverse human health effects; (**Note: There is no acceptable exposure, adverse health effects happened at the lowest power density**)

(b) **specify maximum allowable RF contact and induced body currents to prevent the physical perception of internal currents** resulting from RF energy in uncontrolled environments, and to prevent RF shock or burns to personnel in controlled environments; **(Current kills and there is no acceptable induction of current)**
https://www.physics.ohio-state.edu/~p616/safety/fatal_current.html

(c) provide guidance for evaluating RF exposure levels, to ensure that personnel in controlled and uncontrolled environments are not exposed at levels greater than the limits specified in this code.

Page 9, second paragraph of Safety Code 6 (2009):

Despite the advent of thousands of additional research studies on RF energy and health, the predominant adverse health effects associated with RF energy exposures in the frequency range from 3 kHz to 300 GHz still relate to the occurrence of tissue heating and excitable tissue stimulation from short-term (acute) exposures. At present, there is no scientific basis for the premise of chronic and/or cumulative health risks from RF energy at levels below the limits outlined in Safety Code 6. Proposed effects from RF energy exposures in the frequency range between 100 kHz and 300 GHz, at levels below the threshold to produce thermal effects, have been reviewed. At present, these effects have not been scientifically established, nor are their implications for human health sufficiently well understood. Additionally, **a lack of evidence of causality, biological plausibility and reproducibility greatly weaken the support for the hypothesis for such effects.**

Specific Absorption Rate (SAR) Test For Limits of Human Exposure to RF EMFs

Cell phone manufacturers submit their phones for testing for the SAR test. Here is a picture of a SAR test model with a link to compliance club. There is a hole in the top of the head and a temperature probe. Note the bracket where the cell phone is kept a distance away from the head as per manufacturer specifications.
http://www.compliance-club.com/archive/tuv/sar_update.asp

Mechanism of interaction linking RF EMFs to adverse health effects are the fast moving, highly penetrating man made EMFs being absorbed by humans.

Page 1121 line 9 DR. SHKOLNIKOV: A: Electromagnetic induction as used by physicists and by engineers refers to change in magnetic field or geometry for purposes of generating electricity.

Page 1121 line 16 DR. SHKOLNIKOV: A: Yes, it is recognized that electromagnetic fields can be used to induce electric voltages and currents.

Page 1137 line 19 MR. BENNETT: Q: Okay. Can extremely low frequencies be dangerous?

Page 1137 line 21 DR. SHKOLNIKOV: A: Yes, the electric shock is one of the common considerations given to 60 hertz frequencies.

Page 1137 line 24 MR. BENNETT: Q: Thank you, and I appreciate that, I really appreciate your patience. What's the frequency or number of cycles for the smart meter?

Page 1138 line 1DR. SHKOLNIKOV: A: There are two. The 900 megahertz LAN means 900 million oscillations per second. There's also a ZigBee which is 2.45 million cycles per second.

Page 1138 line 5 MR. BENNETT: Q: 2.45 billion, billion.

Page 1138 line 6 DR. SHKOLNIKOV: A: Sorry, billion. Sorry, billion, yes, you're correct.

Page 1138 line 8 MR. BENNETT: Q: Okay. Okay, and okay, and you've already answered that, how many times -- how many times per cycle or second are they oscillating? Is it double the speed of the -- double the frequency of 1.8 billion times per second for the 900 and 4.8 billion times per second for the Zig-Bee?

Page 1138 line 14 DR. SHKOLNIKOV: A: Yes, the intensity of the fields does oscillate at that frequency.

Page 1140 line 7 MR. BENNETT: Q: Precisely. Could inducing current into the body create a heat effect?

Page 1140 line 9 MR. BENNETT: DR. SHKOLNIKOV: A: Absolutely.

Page 1140 line 10 MR. BENNETT: Q: Thank you. Could polarization billions of times per second produce another heat effect?

Page 1140 line 13 DR. SHKOLNIKOV: A: Absolutely.

The quote below is from Page 7, paragraph 2 of Safety Code 6 (2009)

"The rate and distribution of RF energy absorption depends strongly on the frequency, intensity and orientation of the incident fields as well as the body size and its constitutive properties (dielectric constant and conductivity)."

Causation and Biological Plausibility Linking RF EMFs to Adverse Health Effects Missing in Health Canada's Safety Code 6

FortisBC's expert Yakov Shkolnikov confirmed during cross examination at BCUC hearings that Health Canada's Safety Code 6 (2009), FCC and IEEE use the same standards globally. Shkolnikov confirms specific absorption is a dosage of electromagnetic radiation. (Page 1116, Line 4)

http://thermoguy.com/wp-content/uploads/Fortis_BC_AMI_Vol_6.pdf

Causation requires qualifying how the RF EMFs hit or interact with humans. FortisBC expert Dr. Bailey confirms this is cross examination.

Page 1193 line 17 MR. BENNETT: Q: Okay, just another thing. Is it true, in order for the radio frequency EMFs to interact with human organisms, that frequencies have to hit people? If they don't hit you it's not a deal, is it?

Page 1193 line 21 DR. BAILEY: A: If you're not exposed, then there's no potential for interaction.

Page 1140 line 23 MR. BENNETT: Q: Okay. Being in the neurosciences, and what are the voltages of a cell?

Page 1140 line 25 DR. BAILEY: A: Oh, it's in the range of about minus 70 millivolts.

Page 1141 line 1 MR. BENNETT: Q: Is that -- and there is a hundred trillion cells in the body. Are they all minus 70 millivolts?

Page 1141 line 4 DR. BAILEY: A: No.

Page 141 line 7 DR. BAILEY: A: It maintains -- cells maintain electrical potential between the inside and the outside of the cell. That's what I referred to.

Line 1141 line 10 MR. BENNETT: Q: Yeah. Do they have their own frequencies? How many frequencies associated with a human organism? The body -- from the whole entire body, how many frequencies?

Page 1141 line 16 MR. BENNETT: Q: The brain, and then what's the frequency of a brain?

Page 1141 line 18 DR. BAILEY: A: The frequency that you can record from the human brain, as we did in the laboratory, could be in the range from a DC field all the way up into, you know, hundreds of hertz.

Page 1141 line 22 MR. BENNETT: Q: Hundreds of hertz. And where I'm going now with this is, you know, your report -- did you -- well, does your report, the Ex Ponent Report, refer to the number of frequencies in electricity in each cell?

Page 1142 line 1 DR. BAILEY: A: No. We referred to the frequencies of the system that was impinging upon the body.

Page 1143 line 26 to line 2 page 1144 DR. BAILEY: A: I did not go into a description of the electrical properties of the human body and include it in the report.

Page 1156 line 16 MR. BENNETT: Q: I asked you where the electrical information associated with the human organism is in Safety Code 6.

Page 1156 line 20 DR. BAILEY: A: It is not in Safety Code 6.
http://thermoguy.com/wp-content/uploads/Safety_Code_6.pdf

Registered Interveners were allowed to ask questions related to costs of wireless meters versus wired meters. Andy Shadrack and I pushed to have my questions answered but the **BCUC Panel decided behind closed doors that FortisBC did not have to answer the questions.**

http://www.bcuc.com/Documents/Proceedings/2013/DOC_33530_C19-11_WKCC_IR-3.pdf

Once you substantiate the above, you have causation of the pandemic where there are variant to the variants.

In another imaging application for aerial detection Department of Fisheries and Oceans, our work was used as their standard in RFP. Groundwater is considered nature's hidden treasure but can be seen using non invasive imaging. <http://thermoguy.com/ground-water/> Thermal barriers for fish spawning can be seen and riparian area performance can be verified.

Structural & Forest Fires

In 1991 we were retained by our first Fire Department to consult at operation levels to substantiate and initiate the implementation of their infrared program. It gives unobstructed sight through smoke where otherwise they were blind. That saves lives, resources, environment, prohibits rekindles and is invaluable for investigation.

In 2003, Kelowna, BC had a Category 6 Forest Fire interface with the city. Jurisdictional challenges prohibited our participation in giving Fire Command sight through the smoke as well as tracking the direction of the fire through smoke giving lead time for fire fighters. Kettle Valley was waiting for evacuation orders and here is one example of what we saw through the smoke on August 21, 2003.

Liiterally flagging down a patrolling RCMP showing them the fire was here initiated the evacuation of 15,000 in Kettle Valley two hours later.

On August 22, 2003 our team imaged Kelowna homes burning through the smoke from Gyro Beach. A local reporter later asked if they could use the time-stamped infrared images from August 22, 2003. Marshall Jones of Kelowna Capital News used the time stamped images and radio dispatches confirming BC Forestry and Kelowna Fire Department were blind through the smoke.

Rich Coleman was on Gyro Beach on August 22, 2003 and can verify this as Premier Gordon Campbell was doing media on Gyro Beach with CTV. <http://thermoguy.com/shes-mighty-ugly-out-here/>

Gordon Campbell will have to account for the Premier's Office editing my presentation out of the Public Fire Inquiry. Deputy Minister Don Leitch told me this fire inquiry wasn't accepting images, it was based on audio only and the feed came unplugged when I presented. The unfortunate domino effect is that provinces, states, municipalities, Arizona, Slave Lake, Fort Mac, BC, California, etc fought their fires blind at unrealized costs that could have been avoided.

Sincerely,

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“Bringing the Invisible to Light Since 1979”

Wireless Communication is Electromagnetic Radiation Inducing Electrical Current, Changing ALL Sciences

