



February 13th, 2012

Att: Columbia Shuswap Regional District, Municipalities & First Nations

Re: Smart Meter Frequencies Affecting Buildings, Infrastructure, Etc

To whom it may concern:

Extreme caution is required when considering allowable EMF exposure, especially when the EMFs are man made. Everything in existence is made of atoms or molecules and EMF interaction can have a profound effect depending on ability to interact.

There are very particular reasons we wire the world and incorporate the wide scope of professionals, education, industry, etc to get the job done sustainably. The wireless frequency bombardment has bypassed the entire process to blanket the planet for ease of communication without consideration for the catastrophic domino effect to all life.

The federal law in Canada governing the **limits of human exposure** to radio frequency energy is [Safety Code 6](#). Provinces, municipalities, industry, etc all have to comply with Safety Code 6.

Even though Health Canada's Safety Code 6, FCC and other international standards for human exposure to RF EMFs are based on decades of scientific literature, the code admits the mechanism is missing linking the frequencies to adverse health effects. The immediate danger of code with a critical mechanism missing means application of law can change immediately with the mechanism reported.

The mechanism was reported to Health Canada and by expert witness at the request of Canadian Parliament's Standing Committee on Health. It changed the application of law because humans were being adversely affected. A big error or omission in Safety Code 6 was not including frequencies and other electrical information associated with humans or their vulnerability.

Smart meters or wireless meters by another name are thought to be a device whose EMF emissions won't impact you if you put a few feet of distance between you. The frequencies communicating with the meter and blasting humans from head to toe aren't considered. Smart meters on buildings will bring EMFs to people's homes and effectively put you, pollinators, ecosystems, etc inside the circuit. **“ Safety Code 6 says stimulation of tissue is to be avoided as is the heat effect”** Smart grids will stimulate all life, except we don't run at those frequencies.

The dangers of wireless frequencies is now lectured in medical education for education credits needed for licensing and recognized in North America. ([link](#))

People with pacemakers are advised by the manufacturer to stay out of EMFs, smart meters are taking the EMFs to their homes. People using pacemakers, health monitoring equipment, electrical devices, extended care facilities, disabled or vulnerable patients will be adversely affected with EMFs taken to their homes. [Central Maine Power](#) has set up a special unit for their smart meter program because of electrical interferences and have settled claims.

Separate from the adverse health effects are the considerations for building code compliance. Utility providers are only considering the meter as a low emission device and negating the frequency bombardment on your buildings, electrical systems and infrastructure. Highrises, apartments have meters in the basement and have banks of meters. The frequencies communicating with the meters are being blasted through structural components and causing molecules to change direction or high speed vibrations at billions of times per second. Vibrating fire separations at high speeds will put the building, occupants, fire fighters at risk.

Municipalities and Professional Engineers are not informed buildings and infrastructure are going to be vibrated at high speeds 24/7. Buildings aren't designed for it, insurers won't cover it and banks won't fund it. Engineers will never sign off on a building where the structure has been vibrated billions of times per second, different intensities at molecular levels. Schools, hospitals and everything will be adversely affected. The ramifications on all other industry, safety, etc is separate and far reaching. You can't just decide to radiate everything that isn't designed to be radiated(we wired it)

Electrical Inspectors haven't been told high speed EMFs are affecting the buildings electrical systems and devices inside the buildings while vibrating equipment at high speeds. The vibration of equipment brings an immediate danger with loose or corroded connections creating arcing, fire, electrical failure, etc.

Wi-Fi is installed in schools because it is considered cost effective to radiate the entire school than wire for important technology upgrades. You can't blast frequencies through school walls and roofs either, there are several considerations. If construction materials including structural, fire separations, electrical, mechanical are being vibrated up to 10 billion times per second, how many seconds are allowable?

In consulting on building envelope performance, wireless interaction is now a required consideration in building inspection for all professionals. Engineers aren't designing structures for the molecular earthquakes wireless frequencies will create and it can't be ignored.

These frequencies are being employed right now while the science isn't supporting their safety. Required professionals have been left out of the discussion, it isn't sustainable and liabilities as well as costs will be considerable.

Sincerely,

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