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British Columbia Utilities Commission
Sixth Floor, 900 Howe Street, Box 250
Vancouver, BC, V6Z 2N3
Attn: Erica Hamilton, Commission Secretary
commission.secretary@bcuc.com

Dear Madam:

Re: FortisBC Inc. (FBC), Application for a Certificate of Public Convenience and Necessity (CPCN) for the Advanced Metering Infrastructure (AMI) Project
Project No. 698682; Order G-1 05-12

My extensive military wireless radio communications background enables me to state that I was recognized in various militaries of the world as an expert in Electronic Warfare, Radio Warfare and Signals Intelligence. Hence, I bring a far different and more realistic appreciation of what really is at stake here concerning Fortis' application to use wireless pulsed microwave technology as the basis for its proposed meshed-grid network. Once Fortis made that frightening and indefensible decision, it absolutely obliges BCUC to consider the following:

Irrefutable evidence exists today, from declassified U.S. military documents, proving that the major militaries of the world have known for more than 40 years - and have meticulously catalogued and documented - the harmful effects from both thermal and non-thermal microwave radiation emitted on all frequencies throughout the microwave frequency band - at radiation levels many hundreds of times lower than Canada's current Safety Code 6 {see 3} below}. It is also known that the U.S. military consciously and deliberately kept this information from the public as "*it would hurt the military and private industry.*"!

For many years now, major militaries of the world have been growing their arsenals of increasingly sophisticated and lethal electronic warfare weapons, some of which are specifically designed to destroy any electronics – the juiciest plum of which would be a wireless electric power grid, should any country be so foolish/ignorant to use such an inappropriate technology as part of its critical national infrastructure. From a national security perspective, there is nothing more defenceless nor more vulnerable than a wireless radio communications system

The ambient level of EMR already in our society today is extremely toxic from the proliferation of many other similar wireless pulsed microwave devices, and AM and FM radio frequency transmitters, e.g., Wi-Fi routers, cell phones, cell phone towers, smart phones, cordless phones, laptop computers, iPads, tablets, BlueTooth, GPS satellites, home security systems, garage door openers, baby monitors, RFIDs, microwave ovens, radars, and AM and FM radio towers. With this appreciation, BCUC can perhaps better understand why independent scientists say that the dramatic increase in most major illnesses over the past 30 years correlates with the growth and proliferation of wireless devices in our society;

Health Canada's Safety Code 6 "Guidelines," are based solely on private industry's studies, which consider only the thermal effects of microwave radiation - for which Industry established an "Exposure Time" of **just 6 minutes!** – and, as a consequence, Canada's "Guidelines" (i.e. "Exposure Limits") are amongst the highest i.e. the **most dangerous** in the entire world! Austria has the world's safest 'Limits,' which are **10,000 times lower (safer)** than Canada's!

Smart meters have **two** separate pulsing microwave transmitter and receiver radio circuits inside: the **LAN** (local area network) and the **ZigBee**. It must be noted that the **LAN** radiates for up to **3 km!** The ZigBee radiates for approximately **246 feet.**

Microwave frequencies are line-of-sight medium, meaning that, in a community of 5,000 homes, each burst of data from a home (any home) must be relayed by neighbouring LANs - up to 500-or-more LANs (i.e., the data 'bounces' from one LAN to another LAN to another LAN and so on, until it eventually reaches the "Collector" meter, which then sends it directly to the utility). A similar number of relays would be required for any data coming from the utility intended for any LAN! The system is designed that way. This enormous number of relays will cause incalculable additional amounts of EMR on all houses involved in the relays – remembering that every LAN radiates for up to 3 km!

Fortis envisages "meshed-grid networks" (communities) of 500 to 5,000 homes. Each home will have 15-or-so 'smart' appliances, and each appliance will have its own built-in "ZigBee-compatible" transmitter and receiver radio circuit. Just this alone means that each and every home will *have* **17 pulsing microwave transmitters**, *16 of which will radiate on the* **same frequency as a microwave oven (2.4 GHz)**! *Even worse, all 17 transmitters will emit* **sharp millisecond-long pulses** of microwave radiation which are **far more dangerous** to DNA, cells and organs of the human body than is the continuous wave emission from a microwave oven!

Multiply the above by the 500 or 5,000 homes in the 'network,' realizing that every LAN radiates for up to 3 km, and you soon realize why it would be futile for any individual customer wanting to "Opt Out," as they would still be bathed by the EMR from every home in the network within a 3 km radius! And this does not take into consideration the incessant radiation that a "Collector" meter would cause, nor the incalculable "reflected" EMR 'hot spots' that will occur in homes due to reflective

surfaces within the home, such as stainless steel appliances, granite countertops, etc. No one has even tried to hazard a guess as to what a realistic overall aggregate amount of EMR would result in a meshed-grid network community!

Given the unprecedented threat wireless smart meters pose to our entire population's health, safety, personal privacy and security, as well as to our country's national security, I urgently request that BCUC deny outright Fortis' application to install wireless smart meters in their jurisdiction. There is but one technology in the world today that is known to be completely safe, it being fiber optic cable – which has no known shortcomings other than the initial installation costs!

Sincerely yours,
Jerry Flynn

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