

**Schedule 11 to the Minutes of  
the Council Meeting for  
Public Hearings held on  
Monday, June 18, 2012.**

**Mayor and Councillors**

**From:** Jerry Flynn [jerryjgf@shaw.ca]  
**Sent:** May 27, 2012 10:55 PM  
**To:** Mayor and Councillors  
**Subject:** Cell Phone Towers  
**Categories:** 10-6600-07-07-01 - Telecommunication - General, 01-0150-20-BCHY1 - BC Hydro - Includes Smart Meters  
**Attachments:** Smart Meters - Hydro Says vs FACT.docx

To Public Hearing	
Date:	June 18, 2012
Item #	11
Re:	Bylaw 8904

Even though the attached deals with Smart Meters, the message is the same, i.e., "industry" is lying to you, taking advantage of your (our) ignorance on such an esoteric subject. Look at what independent scientists say in the "BioInitiative Report": they say NO to any antennas on the roofs of schools, hospitals, homes for seniors or the ill, etc.

Industry will tell you anything if they think it will get you to allow them to erect their towers where they want. Please show some leadership. Have them (industry) prove that their towers are safe --- because they can't. May you do the 'right' thing.

Sincerely,  
Jerry Flynn



## WIRELESS SMART METERS and EMR – SPIN vs FACTS

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**Hydro Says:** “Smart Meters are safe, as confirmed by health and science authorities including B.C.’s Provincial Health Officer.”

**FACT:** The World Health Organization classifies EMR (electromagnetic radiation) a Class 2B carcinogen, meaning “Possibly cancer causing.” (applies to all wireless radio and microwave frequency-emitting devices.)

**FACT:** Dr. Annie Sasco MD, MPH, MS, Dr. Ph. D (Harvard U.) epidemiology for cancer prevention; previous Head of IARC (International Agency for Research on Cancer, an agency of the World Health Organization: WHO) programs on cancer prevention ([www.youtube.com](http://www.youtube.com)) "Exceedingly urgent that valid, independent, publicly-funded research be done into EMR re cell phone use. Despite the voices of industry-funded scientists saying otherwise there is concrete evidence that mobiles/cell phones and wi-fi cause cancer in humans."

**FACT:** The American Academy of Environmental Medicine asks (in part) for:

- a) An immediate caution on Smart Meter installation due to potentially harmful RF exposure;
  - b) Accommodation for health considerations regarding EMF and RF exposure, including exposure to wireless Smart Meter technology;
  - c) Independent studies to further understand the health effects from EMF and RF exposure.
- [http://aaemonline.org/emf\\_rf\\_position.html](http://aaemonline.org/emf_rf_position.html)

**FACT:** Independent scientists are urging governments everywhere to immediately observe the “precautionary principle” i.e., set exposure guidelines 1000 to 10,000 times lower than they are now: put the onus on industry to prove their products are safe; and prevent cell phone towers from being installed on roofs of schools, hospitals, homes for the elderly, etc.

**FACT:** Safety Code 6 was based on industry-funded studies, which consider only the thermal effects of EMR, while ignoring the low-intensity, long-term non-thermal biological effects which independent scientists say are harmful to - not just humans - but to all life forms. These scientists say Canada’s Safety Code 6 is obsolete, outdated and urgently in need of revision to reflect the non-thermal effects. Until that happens, our “guidelines” are among the lowest in the world.

**FACT:** EMR is accumulative (additive) from all such devices a person is exposed to. Damaged DNA is never repaired and can be passed on to subsequent generations.

**FACT:** Scientists say that the world is witnessing the largest technological experiment in human history - without the consent or knowledge of the subjects.

**FACT:** Now that they've had 30 years to study EMR, Scientists say they know that the latency period for cancers to develop is 10 years or more.

**FACT:** Scientists say brain cancers increased 50% from 1999 to 2009

**FACT:** Scientists say pregnant women have a 1-in-50 chance of giving birth to an autistic child.

**FACT:** Scientists say that the exponential growth of cancers and other illnesses corresponds to the spread of EMR-emitting devices in our society.

**FACT:** Insurance companies hired Independent Laboratory Scientists and these scientists also observed Cell Damage and DNA Chain Breaks and now the Insurance Companies will NOT insure Liability damage from Wireless Smart meters and other wireless devices. TV Video (3 minutes) (<http://eon3emfblog.net/?=382>)

**Hydro says:** "Smart meters will not be a security or privacy risk because they will have encryption just like the banks use."

**FACT:** Banks are now refusing to use wireless in their systems. Known victims of hacking include: the International Monetary Fund (IMF), Lockheed Martin Wireless, the Pentagon, Toronto Hydro (179,000 customer accounts). The recent Director of the CIA calls wireless "stupid, stupid." And Ontario's Privacy Commissioner says a Smart Grid system is a: "Treasure trove for hackers, thieves or marketers."

**FACT:** Any would-be criminal can easily determine when a home is occupied or empty by using readily-available EMR meters that read/measure radiation levels.

**Hydro says:** "The smart meter program ensures privacy and is protected."

**FACT:** Every electrical appliance in a home has its own unique "signature" and, by using currently available software, utilities can tell when each and every appliance was turned On, when it was turned Off and for how long it was in use. In California, it is known that Pacific Gas & Electric (PG&E) sells customers' data to 3<sup>rd</sup> parties (mass merchandisers, appliance manufacturers, marketers, insurance companies, lawyers, law enforcement agencies, etc.).

**FACT:** A wireless grid system is extremely vulnerable to both a cyber attack (insertion of "worms") as well as to having the wireless signals disrupted/blocked/jammed. Each and every link in a grid would be vulnerable, i.e., individual homes, neighborhoods, communities, substations, regions, whole provinces and even entire countries! The consequences to those affected would be catastrophic.

**FACT:** An Internet report states: "Insurance companies (e.g., Lloyds of London) won't insure smart meters due to biological damage seen by scientists they hired."

**Hydro says:** “Standing next to a Smart Meter for 20 years you’ll receive the same amount of radiation as is emitted in a 30 minute cell phone conversation.

**FACT:** Dr. Daniel Hirsch, Ph.D., Nuclear Physics, U of C (Santa Cruz) says that a Smart Meter radiates 100 or more times whole body radiation than does a cell phone.

**FACT:** Santa Cruz, California, Department of Public Health Services conducted its own comparative studies and found that a Smart Meter emits from 50 to 450 times whole body radiation than does a cell phone, depending on a person’s distance from the meter.

**FACT:** This statement is most misleading in that it speaks of a single meter, purposely ignoring what an actual, realistic meshed-grid installation would look like, with hundreds if not thousands of homes, each with its own Smart Meter, each home having up to 15 “Smart” appliances, each appliance being fitted with its own wireless microwave radio. Hydro makes no attempt to address, let alone quantify, the aggregate amount of radiation a community would experience in a realistic situation.

**Hydro Says:** “On average, a residential meter transmits customer data 4 to 6 times a day – for a total average of one minute per day.”

**FACT:!** In a California court of law, Pacific Gas & Electric (PG & E) admitted to the judge that, on average, Smart Meters emit 14,000 pulses per day (every 6 seconds) with the most active meter peaking at 190,000 pulses per day (every 0.45 seconds). Hydro does not mention the EMR that would be emitted within the home when the ZigBee radio is active with up to 15 “smart” appliances. Nor does it mention anywhere what level of EMR would bathe an entire community having a smart-grid installed.

**Hydro Says:** “The Smart Metering Program will help keep rates low by creating a more efficient power system and reducing power loss. They will save customers about \$70 million over the next three years through lower rates.”

**FACT:** CBC TV did a survey of Toronto residents having smart meters and found that 80% had experienced higher bills. Virtually every jurisdiction in North America that we’ve read about on the Internet has complained that electric bills have doubled, tripled even quadrupled - and more.

**FACT:** Dalton McGuinty, Premier of Ontario said that, on reflection, it was a mistake for Ontario to allow Smart Meters. The efficiencies and cost-savings he’d expected haven’t materialized.