



20 Reasons “Smart” Meters are NOT Smart

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| 1. Meters will produce dangerous radiation | 11. Human Rights Violation |
| 2. Our “Safety” Code offers no protection | 12. Rates of Electro Sensitivity will Increase |
| 3. Meters will radiate 24-7 | 13. Health & Financial Cost to Citizens |
| 4. RF Emissions -Invisible =more dangerous | 14. Dirty Electricity- i.e. Harmonic distortion |
| 5. Health Canada’s own studies show harm | 15. Undemocratic Non Consensual Exposure |
| 6. Evidence- will not achieve “consensus” | 16. Information Withheld |
| 7. Canada’s Wireless Warnings Behind | 17. SM Induced Billing Surges |
| 8. Privacy Invasion | 18. Meter Installation = Fire Risk |
| 9. Marketing our “Electrical Diaries” | 19. Opt Out Program solves nothing |
| 10. Security & Hacker Vulnerability | 20. Conservation & efficiency not achieved |
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1. Meters will Produce Dangerous RF Emissions

Unless we stop them, as of July 2011, BC Hydro will install “Smart” Meters (SMs), on all buildings that emit biologically harmful radiation-emitting radio frequencies (RF.) They will transmit usage data (hydro, gas, water), & will control customer access to services remotely.

2. Canada’s RF “Safety” Code is Grossly Insufficient

Government exposure limits do not acknowledge or protect against known health effects. Some SMs in Canada emit in excess of even our lax levels. These are 100,000 times more lax than Salzburg (outdoor limits), Austria; 1000 times higher than Germany; and 100 times higher than China (as well as Italy, Russia & the city of Toronto.) W.H.O. now classes RF as a 2B possible carcinogen, in the same class as DDT.

3. 24-7 Radiation Emissions

The meters to be used in BC have been independently measured to emit as much as 24 hours a day, emitting powerful pulses many times a minute. As the grid is enabled, emissions from all meters & so called “Smart” appliances will increase.

4. RF Emissions are Invisible

Consumers cannot control these invisible emissions, & without our own RF meters, only BC Hydro will know the degree of harm we’re being exposed to. There is no consumer benefit. Is any harmful exposure acceptable?

5. Health Canada’s own studies confirm harm

Even Health Canada’s own research indicates serious biological impacts including interference with blood brain barrier, cellular communications, and production of cancer marker enzymes. International studies verify this & more.

6. Weight of Evidence- The Quest for the ‘Scientific Consensus’.

“Weight of evidence” calculations are biased with industry ‘science’ included so the results are diluted, (fox guarding the henhouse?) Most non industry studies indicate harm. Most industry studies indicate non-harm.

7. Canada’s Wireless Health Warnings Tragically Behind

Bombay, Germany, Switzerland, Australia, Liechtenstein, Russia, Israel, Belgium, & the United Kingdom stand by warnings & restrictions light years ahead of Canada’s. Must we repeat their hard learned lessons here?

8. Privacy Invasion

The SM data forms a 'diary' of real time household electrical activities identified by type of energy used. This can be used by insurance, government or law enforcement agencies. Appliances & household items are now designed with transmitters, increasing the detail of the information available about our lives. Governing neighbourhood Wi-Max 'towers' have built in surveillance cameras.

9. RF Soup Grows as Marketers Mine our "Electrical Diaries"

SM data enables 'Sci-Fi' marketing targeted according to purchase/usage habits. Transmitters are being designed into everything from our dishwashers to our cereal boxes. Have we agreed to a 'household "Smart" grid' of invisible, ever-growing radiation?

10. Security

Wireless & electronic systems are error prone. Do we want to run our essential services this way? Cyber-security experts warn that defense departments will use cyber-weapons against the electronic grids of perceived enemies. Domestically, SMs are at risk of physical or hacker interference (a block or more at a time.)

11. Human Rights Commission (CHRC)

The CHRC assures all persons healthful access to, "*goods, services, facilities or accommodation customarily available to the general public.*" 265,000 to 663,000 BC Citizens (6-15%) have EHS (electro hypersensitivity) & are sickened by wireless pollution. Thousands more are concerned or suffer symptoms from RF unknowingly. Hundreds in France, Sweden, Italy & Ireland are in RF-forced exile in rudimentary "RF Refugee" camps/caves.

12. Rates of Electro Sensitivity (ES) will Increase in our Population

Reckless exposure to an unavoidable source of 24-7 household radiation will accelerate the increase of ES. This condition is caused through overexposure.

13. Health and Financial Cost to Citizens

The expense of RF free homes & RF related Health costs are exorbitant. Installing transmitters will increase shielding costs & result in a loss of use of property use (e.g. parts of house and/or yard near meter.)

14. Dirty Electricity- i.e. Harmonic Distortion

The required power conversion causes harmonic distortion within electrical systems. This pollution, called 'Dirty Electricity', is also linked to substantial increases in cancer rates.

15. Undemocratic Non Consensual Exposure

SM radiation exposure is non-consensual. Most RF exposures (i.e. from household or personal digital devices) are optional. The imposition of this hazard via an essential service is undemocratic.

16. Information Withheld from the Public

One in two Canadians will develop cancer (Can. Cancer Soc.) The World Health Organization (WHO) lists RF as a "possible carcinogen" & thousands of studies support this. We need to be informed to insist on our safety.

17. Billing Surges

Ontario SMs are costing billing increases averaging 80%. SMs caused outrage in California where over 1,600 faulty SM's were recalled. Some even triggered electronics such as garage door openers or motion-detectors to operate, causing surges in hydro use.

18. Fire Risk SMs can interfere with Arc-fault circuit interrupters and have caused explosions & fires.

19. Opt Out Program Solves Nothing

The 'opt out' idea being considered serves home owners, leaving renters with no option nor those who wish to move to a new home. It also fails to control exposure from neighbours' meters or the neighbourhood Wi-Max towers.

20. Conservation & Efficiency- not an effective approach

The in-home monitoring part of the SM canceled, and likewise, the user conservation potential. Let's spend the billion on renewables, (e.g.-home owner micro-feed-in-tariff (FIT)) not the remotely activated brown out option.

For a longer version of this with references and tips on what you can do to stop SMs, please visit:

[www. Citizensforsafetechnology.org](http://www.Citizensforsafetechnology.org) (Smart Meter Action Kit) or www.EMRABC.ca or <http://www.youaretheanswer.ca/>