McGill | Faculty of Medicine

2025-07-03

To: Members of the Executive Policy Committee
Mayor Scott Gillingham and Councillors Evan Duncan, Janice Lukes, Jeff Browaty, Ross Eadie and Vivian Santos.

I am a scientist with experience in physics (BSc, MSc and PhD), engineering (15 years), and the health sciences (37 years).
Following basic science and engineering formation, I became interested in public health research, and was appointed Associate Professor at McGill University's Faculty of Medicine as well as Medical Scientist in the Department of Surgery, McGill University Health Center. I am currently in the Occupational Health program within the Department of Epidemiology, Biostatistics and Occupational Health, which is part of McGill's School of Population and Global Health. I teach *Principles of Toxicology*, *Health Effects of Electromagnetism*, and *Hearing Conservation* at the Faculty of Medicine.
I performed contract research for electrical utilities (Institut de Recherche d'Hydro-Québec, Canadian Electrical Association, US Electric Power Research Institute) as well as for telecommunications companies (Nortel, Siemens).
I was a member of New Hampshire's Commission to Study the Environmental and Health Effects of Evolving 5G Technology (2019-2020).
I am a Commissioner (since 2022) and Vice-Chair (since 2024) of the International Commission on the Biological Effects of Electromagnetic Fields.

Your Executive Policy Committee will consider an opt-out program for smart water meters (Advanced Metering System) at the session of July 8th.
The text of the opt-out from the Water, Waste and Environment Standing committee meeting of June 27, 2025 states
"1. That, prior to the installation of the new meters, the Winnipeg Public Service be directed to present alternative options as described in the report, as well as an option to not have a transmitter installed on the property, to ratepayers who can provide proof of need of a medical exemption, such as a medical letter signed by a physician registered with The College and Physicians and Surgeons of Manitoba or proof of the ability to claim the Canada Revenue Agency Disability Tax Credit."

Scientific advances are powerful but slow. So, it is not surprising that technological developments such as wireless can race ahead of our understanding of the health impacts of radiation on people.
The following article https://doi.org/10.1016/j.heliyon.2025.e42267 proves beyond any doubt that Health Canada's Safety limits, similar to the FCC and ICNIRP limits, based on het alone, are inadequate to protect people's health in general, but more specifically a small group (3%) among Winnipeg residents who are designated as ElectroHyperSensitive (EHS).
I have been in contact with many such people over the years, and can certify that they are genuine victims of blind technological expansion.
In order to make their lives possible, they need to be protected from even small amounts of radiation.
The opt-out option before you will not affect the overall deployment of your infrastructure, but will make their lives possible without having to move to remote locations where the radiation from smart meters is not implemented.

Thank you.



Sent Wired
Paul Héroux, PhD
Professor of Toxicology and Health Effects of Electromagnetism
Vice-Chair, International Commission on the Biological Effects of Electromagnetic Radiation
InVitroPlus Laboratory, Tel
invitroplusnet.wordpress.com