

Email sent to London, ON Mayor and Councillors, re. [Agenda items 8.1.8 and 13.5](#)

Subject: Rogers licence is an uninsurable, unethical "experiment" - Please deny, or defer and re-examine the "Pilot Municipal Small Cell Licence Agreement"

Date: Tue, 25 Jun 2019 11:22:12 -0400

From: Meg Sears <Meg@preventcancernow.ca>

To: Mayor Ed Holder <mayor@london.ca>, Councillor Michael Van Holst <mvanholst@london.ca>, Councillor Shawn Lewis <slewis@london.ca>, Councillor Mohamed Salih <msalih@london.ca>, Councillor Jessie Helmer <jhelmer@london.ca>, Councillor Maureen Cassidy <mcassidy@london.ca>, Councillor Phil Squire <psquire@london.ca>, Councillor Josh Morgan <joshmorgan@london.ca>, Councillor Steve Lehman <slehman@london.ca>, Councillor Anna Hopkins <ahopkins@london.ca>, Councillor Paul Van Meerbergen <pvanmeerbergen@london.ca>, Councillor Stephen Turner <sturner@london.ca>, Councillor Elizabeth Pelozo <epelozo@london.ca>, Councillor Arielle Kayabaga <akayabaga@london.ca>, Councillor Steven Hillier <shillier@london.ca>

Dear Mayor and Councillors,

We are writing to ask you to deny, or defer for further examination Bill No. 235 to approve the "Pilot Municipal Small Cell Licence Agreement" with Rogers Communications Canada Inc.; and not to authorize the Mayor and the City Clerk to execute the Agreement. (2.6/14/CSC).

We are intrigued that \$5 million insurance is being required of Rogers, including for personal injury. In recognition of the harmful nature of radiation from wireless devices and infrastructure, the world's two largest marketers, Lloyds of London recognises uninsurable risks and excludes electromagnetic fields, radiation, radio waves or noise (for example in [CFC Underwriting Ltd Insurance for Architects and Engineers](#)), and [Swiss RE](#) considers 5G to be "high impact" or high risk. Electromagnetic radiation from cell phones, wireless devices and infrastructure is considered a "pollutant" - insurance might be available with additional charges. We encourage you not to permit your citizens to be used in a virtually uninsurable "experiment." Indeed, with no ethics, informed consent or exposure data collection, "experiment" is too kind a term.

The infrastructure is proposed to increase wireless data transfer (and thus radiation and power consumption) many thousands-fold. As presented at a symposium at Women's College Hospital on May 31st, there are many reasons for precaution with radiofrequency (also known as microwave) radiation from wireless devices, including:

- Wireless signals interfere with basic biochemistry ("microwave catalysis" is established and used by chemists to accelerate reactions and change product profiles).
- When these effects overwhelm the body's repair mechanisms, the results can range from chronic illness to cancer.
- As wireless infrastructure has intensified and become more ubiquitous, associated illnesses are increasingly diagnosed at Ontario's Environmental Health Clinic at Women's College Hospital in Toronto.
- Adverse effects of "screen time" on children, and escalating neurodevelopmental problems are doubtless at least partially associated with wireless radiation.
- If the International Agency for Research on Cancer were to update their 2011 review that ranked radiofrequency radiation as a *possible* human carcinogen, the recent experimental animal studies and human brain tumour studies would upgrade

classification of radiation emitted by wireless devices and networks to be a *known* human carcinogen.

The licence agreement would permit Rogers to install intensive, high-bandwidth wireless infrastructure in three areas, including the University of Western Ontario campus, and a highly populated area with high-rise apartments. Large numbers of vulnerable individuals will be exposed to unprecedented levels of radiofrequency radiation.

There are better options, for both health and the climate. The government of Canada is supporting fibre as the "backbone" of internet service. Fibre is more secure, reliable, resilient, and does not irradiate the landscape and population. This "backbone" must extend to the "fingers and toes" with fibre taken to buildings and throughout the premises. Indeed, increasing information infrastructure using wireless options would contribute significantly to greenhouse gases. (see "[Re-Inventing Wires](#)" by T. Schoechle)

Driverless cars are unproven, particularly in Canadian weather (5G signals are scattered and absorbed by rain, ice, sleet and snow); this high-energy / data-intensive infrastructure should not be used as a justification for such a project.

In summary, the Rogers project poses substantial risks and is expected to be virtually uninsurable. Given that safer alternatives are established, we urge you to deny, or at a minimum defer for re-examination, the proposed licence with Rogers.

We have extensive research, expertise and experience with this topic so please reach out if we can be of assistance. Prevent Cancer Now is a civil society Canadian organization including scientists, health care professionals and concerned individuals, working on primary cancer prevention. We rely on rigorous scientific research, to educate and inform policy, to eliminate contributors to cancer.

Sincerely,

Meg Sears

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