

EHA-MB
 Environmental Health
 Association of
 Manitoba

September 15, 2017

To: Innovation, Science and Economic Development Canada
ic.spectrumauctions-encheresduspectre.ic@canada.ca

RE: Canada Gazette, Part I, June, 2017, "Consultation on Releasing Millimetre Wave Spectrum to Support 5G", notice reference number (SLPB- 001-17).

Subject: Urgent request that a moratorium be placed on the licensing and roll out of 5G bandwidths and associated infrastructure until safe places can be ensured for people made ill by exposure to radiofrequency electromagnetic fields (RF EMF)

The Environmental Health Association of Manitoba, Inc. is a not-for-profit, non-governmental, non-partisan organization run entirely by volunteers and funded by donations. Goals of EHA-MB are to promote education and information on environmental sensitivities and environmentally induced illnesses to the public, educational institutions and medical community in Manitoba and to provide information and support to individuals in Manitoba suffering from environmental sensitivities and environmentally induced illnesses.

The EHA-MB has members who suffer ill health from exposure to radiofrequency electromagnetic fields (RF-EMF) e.g. from Wi-Fi routers and cell phones. Several have become "environmental refugees" who have great difficulty finding low RF-EMF (safe) places to live.¹

The roll out of 5G will add yet another layer to an environment that is stretching the tolerance of some Manitobans, as well as others in the rest of Canada, to exposure to RF-EMF, and likely will make it even more difficult for them to find safe places with low enough RF-EMF to live in their community.

Their experiences mirror what Dr. Beatrice Golomb writes in her letter in regard to the proposed widespread installation of 5G infrastructure in California, USA (giving telecommunications companies unfettered access to public rights of way for the installation of microcells/small cell antennae needed for 5G).

<https://drive.google.com/file/d/0B14R6QNkmaXubmZUbWI1aERpX1E/view>

Some sources indicate these 5G radiating antennae could be placed every 2 to 10 homes in residential areas.²

¹ *European Robins, Canaries and Environmental Refugees. Radiofrequency/microwave radiation in our environment:*
http://mbeconetwork.org/wp-content/uploads/2016/02/Eco-Journal-Fall15_Online.pdf

² Canadians for Safe Technology: <http://c4st.org/5g/>

The concerns about adverse health effects by EHA-MB members have been expressed by scientists worldwide. Two examples:

1. Declaration to officials of the European Commission demanding a moratorium on 5G proliferation³

September 13, 2017

"We the undersigned, more than 180 scientists and doctors from 35 countries, recommend a moratorium on the roll-out of the fifth generation, 5G, for telecommunication until potential hazards for human health and the environment have been fully investigated by scientists independent from industry. 5G will substantially increase exposure to radiofrequency electromagnetic fields (RF-EMF) on top of the 2G, 3G, 4G, Wi-Fi, etc. for telecommunications already in place. RF-EMF has been proven to be harmful for humans and the environment."

2. Declaration that current standards are not protective of human health

May 11, 2015

Canadian and international scientists have stated that current guidelines/standards such as Health Canada's Safety Code 6 are not adequate and precautionary measures are warranted.

Statement signed by over 220 scientists from 41 nations, who have published peer-reviewed papers on the biological or health effects of non-ionizing radiation:

*"These findings justify our appeal to the United Nations (UN) and, all member States in the world, to encourage the World Health Organization (WHO) to exert strong leadership in fostering the development of more protective EMF guidelines, encouraging precautionary measures, and educating the public about health risks, particularly risk to children and fetal development. By not taking action, the WHO is failing to fulfill its role as the preeminent international public health agency."*⁴

Members of EHA-MB have searched the international scientific literature (including those links provided by Health Canada) for studies showing safety of millimetre wavelengths (5G). In fact, there appear to be NO studies on long term exposures of 5G frequencies on healthy people (or animals), never mind studies on those who report being made ill by RF-EMF exposures. The workshop where the World Health Organization examined the topic of people being made ill by RF-EMF goes back to 2004/2005 and there have been landmark studies since then to indicate ill effects at everyday levels of other frequencies of RF-EMF.⁵

Vulnerable populations, such as those made ill from exposure to RF-EMR, need safe places - places low in RF-EMR. EHA-MB asks that such places are provided before 5G is rolled out and that a moratorium be put in place until safe places can be identified and made available to those made ill by these exposures.

In Winnipeg, we have "buffer zones" in place for those who want to avoid being sprayed by pesticides for nuisance mosquito control. Can similar measures be put in place to ensure a similar protection for those who want, indeed need, to minimize exposure to 5G RF-EMR?

We ask, in the strongest terms, that a moratorium be placed on the licensing and deployment of millimetre range bandwidths until safe places or "buffer zones" can be established for those who need to minimize 5G exposures.

Sincerely,
Murray Cunningham
President, Environmental Health Association of Manitoba
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³ <https://drive.google.com/file/d/0B14R6QNkmaXuelFrNWRQcThNV0U/view>

⁴ <http://www.iemfa.org/emf-scientist-appeal-to-the-united-nations/>

⁵ Contact the author of this letter for a list.