

Short Presentation on Microcells/5G to Council/Community - 3 minutes

Without your consent or advanced notice, the next-generation of wireless technology is on the way to your neighborhood. This will require you to live within a dense network of 5G microcell transmitters attached to a pole in front of your home, school or business. All in the name of faster internet.

But guess what? We don't need 5G. *Wired fiber* will always give us faster Internet speeds than wireless 5G. And, safe and speedy wired fiber-to-the-premises networks could fulfill most of the smart city functions 5G promises. Nevertheless, Innovation, Science and Economic Development Canada (ISED) is pushing a wireless agenda on us. They are allowing wireless antenna to be placed on existing structures, like the utility poles right by our homes, without our knowledge or approval.

So what's the problem? 5G networks require millions more antennae to be installed over the next decade than today's 4G cell towers. These antennas will be everywhere we look. All day, every day, each of these "small" cells will emit biologically cumulative millimeter wave radiofrequency radiation (RFR) that has NOT been tested for long-term safety. Canada's lax Safety Code 6 radiation protection guidelines are inadequate and antiquated. Health Canada continues to ignore decades of peer-reviewed studies proving biological harm in favor of a Big Wireless agenda.

Peer review of the U.S. National Toxicology Program's study on radiofrequency radiation's biological effects state "clear evidence" of harm. Experts from the renowned Ramazzini Institute warn that the effects lie dormant for decades. Cancers often do not appear for 20 or 30 years. Scientists and doctors worldwide are calling for a moratorium on 5G, citing health effects and impacts to wildlife. Nevertheless, our local governments are not permitted to refuse microcells based on the risks to health.

Those most at risk will be children, pregnant women, the elderly, and the immune compromised. Robert F. Kennedy, Jr.'s Children's Health Defense warns that childhood cancers are increasing dramatically - with a 40% increase in the United Kingdom since the late 1990s. This increase is linked to radiofrequency radiation associated with cell phones, cellular infrastructure, and wireless technologies; and to herbicides containing glyphosate (the active ingredient in Monsanto's Roundup).

The premature rollout of 5G is being done with blatant and reckless disregard for public health, cyber security, and privacy. Across the United States, municipal and state governments are creating ordinances, bills and resolutions that question 5G, while challenging U.S. federal policies that do not adequately protect citizens or the environment from microwave radiation.

Here at home, we must follow suit:

- We must pressure ISED to close the loophole that takes away our right to be consulted before wireless antennas are placed beside our homes.
- We must create a local antenna siting protocol that does not permit cell antennas to be placed by our front doors.
- We must implement truly protective radiation exposure standards for our community, like Toronto and Salt Spring have, as Health Canada's Safety Code 6 guideline does not adequately protect us from the biological impacts of a technology that affects plants, people, insects, and animals.
- We must invest in wired fiber-optics-to-the-premises for our community.
- We must pass a resolution calling for a moratorium on the installation of 5G networks until this technology has been proven safe.

Our future depends on it.

Thank You!