

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.

Recent peer review of the U.S. National Toxicology Program study states "clear evidence" of harm from RFR. 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. Recently Robert F. Kennedy, Jr.'s Children's Health Defense warned that childhood cancers are increasing dramatically - with a 40% increase in the United Kingdom since the late 1990s. They link these increases 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. The governments of European cities like Brussels and Florence have put the brakes on 5G due to serious health concerns

Here at home, local governments 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 impel Health Canada to invest in research, educate the public, and update their archaic Safety Code 6 guideline, which does not adequately protect us from the biological impacts of a technology that affects all plants, people, insects, and animals.
- We must invest in wired fiber-optics-to-the-premises in our communities.
- We must pass resolutions calling for a moratorium on the installation of 5G networks until this technology has been proven safe.

Our future depends on it.

Thank You!