

Subject: Addressing Agenda 16.2 Motion on 5G Technologies

Dear Willoughby Council,

I would like to address the motion on 5G technologies at today's general meeting, agenda 16.2.

I give permission for my email below to be read aloud at the meeting in support of the motion.

= START =

Thank you for the opportunity to address the motion on 5G technologies. I have been working in Chatswood for 15 years, I have an Electrical Engineering background and currently work as an IT Manager in a small business hence I also perform the functions of the Work Health and Safety Officer.

Our office is about 80 meters away from the 5G proposal at 754 Pacific Highway with five other proposals within 500 meter radius. Over the years more equipment were installed on top of that building increasing the EMF exposure in the office so I started investigating as to why we were NEVER informed of these upgrades. Soon I found out that the notification process allowed the carriers to give minimal notification with only an ad in the local newspaper, without any signs or direct notification to those who are directly affected. The consultation period is extremely short and the process is conducted by industry partners with conflicts of interest and are not independent. Overall the process is not in the interest of the community.

We objected to two proposals and on both occasions our request for long term scientific evidence that showed the safety of 3.5GHz electromagnetic radiation emitted by 5G antennas were ignored by the carriers as they could not provide such evidence.

ARPANSA's "*assessment that 5G is safe and does not present any health concerns*" is not back by scientific evidence because:

1. A recent preliminary report by the French government show that there is a significant lack of data on the biological and health effects on the 5G frequency bands. So currently it is impossible for them to assess the risks associated with 5G so how can it be considered "safe" by ARPANSA?
2. ARPANSA use short, rather than long-term exposure standards and ignore non-thermal biological effects such as oxidative stress, DNA damage or reproductive impairment that has been shown in peer reviewed scientific literature to occur at a much lower level than the ARPANSA standard.
3. Other countries have adopted standards ten to hundred times more rigorous than the ARPANSA standard.

Other concerns of the community are:

1. In the absence of adequate safety testing, the deployment of 5G is a violation of the Precautionary Principle and the community of Willoughby did not consent to this untested technology. It's also a Work Health and Safety issue which isn't even covered by insurance policies.
2. The dense deployment of 5G equipment will dramatically increasing our cumulative radiation exposure and they are not monitored or regulated by industry or government. There will also be a substantial increase in energy consumption, potential adverse effects on the environment, the value of properties nearby cell equipment will decline and greater exposure to cyber security risks.
3. Residents in Parramatta Council area has already been put under emotional stress and financial burden with multiple small cell equipment proposed outside their homes with one resident spending over \$7000 for legal and medical advice in objection to the proposal.
4. One 5G proposal is directly opposite Chatswood Public School. Children are more sensitive to EMF and studies have shown cognitive decline, adverse neurobehavioral symptoms and cancer incidence at levels well below the APANSA standards.

In light of this information and following the lead of Byron Shire Council, I recommend Willoughby Council to support the motion to suspend all 5G deployment now to ensure there are improvements to the planning process and that vigorous scientific research on the health and safety of 5G technology including systems of monitoring cumulative effects are available before allowing mass deployment.

Thank you.

= END =

Regards,

Leo Leung