

New Hampshire Science, Technology and Energy Public Hearing

February 12, 2019

[HB522](#), *Establishing a commission to study the environmental and health effects of evolving 5G technology*

Good afternoon. My name is Cecelia Doucette from Ashland, Massachusetts.

I became a technology safety educator after helping Ashland Public Schools become the [first in the nation](#) to begin taking precautions with wireless technology.

The Fine Print

When our schools read the fine print that comes with all our wireless devices, they recognized they had legal exposure for harm. If any of you have an iPhone with you, I'd like to guide you to where the industry's legal fine print is written.

Please take out your iPhones and go into Settings. Then scroll down a bit and remember the acronym GAL. Hit **G**eneral, and at the top hit **A**bout. Then scroll all the way down and hit **L**egal. At the bottom of Legal, hit RF Exposure.

That legal fine print contains two really important warnings. One, keep radiation devices away from your body or you may exceed the FCC limits for public radiation exposure. Mind you, those FCC exposures were never safety tested and are now proven to be extremely toxic in the scientific literature.

Two, the fine print also tells us to use a hands-free option such as speaker phone. What they don't tell us is that our one device now has five or six separate antennas that are constantly pulsing radiation for a handshake with the nearest cell tower or router.

Just by holding a device in active mode, you are getting radiation from a cell antenna, a data antenna, a wi-fi antenna, a Bluetooth antenna, a locator antenna, and by now a public hotspot because the industry is using us as their network.

We don't need that, we can learn to put our devices in airplane mode and just go active periodically to check for messages, and/or, hardwire them through an Ethernet cable and turn off the antennas when we're not on the go.

Legislation

I have also collaborated with the Massachusetts legislature, as have other citizens. We lead the nation with [seven sponsored bills, and a dozen more introduced by constituent request](#). Here's a brief history of our sponsored bills:

1. Senator Karen Spilka introduced a bill on my behalf last session that would **form a commission to address wireless radiation and public**

health. It was reported out favorably by the Massachusetts Joint Committee on Public Health and referred to the Senate Rules Committee where it expired on December 31st.

Senator Spilka is now our Senate President and can no longer introduce legislation. So, my State Representative, Jack Lewis, has brought back her bill and modified the language to also include 5G and small cell antennas.

2. Senator Julian Cyr introduced a **right to know bill** last session, and one to **protect children from hand-held devices**. The science shows [children](#) are even more vulnerable than adults.

Senator Cyr's bills were assigned to the Massachusetts Joint Committee on Consumer Protection and Professional Licensure. Upon investigation, the Committee wrote its own bill to form a commission to address the wireless radiation impact on public health and the economy. The bill was referred to our Senate Ways & Means Committee where it expired on December 31st.

3. Senator Cyr has reintroduced Consumer Protection's bill this session, along with his bill to protect children.
4. Representative Carolyn Dykema has a federal Americans with Disabilities Act lawsuit in her district against the [Fay school](#) where children have become ill from the industrial strength wi-fi system and wireless devices.

She has introduced a bill to have the Massachusetts Department of Elementary and Secondary Education **address wireless radiation in schools and colleges**.

I've educated our Department of Elementary and Secondary Education, and they are just waiting for higher authorities to publish safe technology guidance. That may come through our legislature, or the Massachusetts Department of Public Health which I helped to write a series of fact sheets. They have guidances for cell towers, cell phones and wi-fi, plus one for high voltage power lines which emit another form of toxic man-made radiation.

The Boston Globe investigated the wireless radiation issue in January, and in [their article](#) the Department of Public Health indicates the fact sheets will be released in the next six months.

5. Senator Michael Moore has a returning bill to allow the public to **opt out of hazardous utility "smart" meters**. Vermont already allows a no-fee

opt-out.

6. Representative David Linsky has a returning bill to **address the high voltage power lines** as there is a cancer cluster under them in his district.
7. Lastly, Massachusetts has a new bill with Republican leader Representative Bradley Jones to set up a **5G task force**.

The Industry

As you may already be seeing, the industry is frantically trying to pass bills at the [federal level](#) and put in [by-laws at the state and local level](#) that would take away home rule from our local municipalities.

They aim to install this toxic infrastructure for 5G and the Internet of Things (IoT) before the public catches on that current science confirms wireless radiation is carcinogenic and causes DNA damage, and that other studies link it to our skyrocketing rates of infertility, neurotoxicity, autism, Alzheimer's and more.

There is much push-back, however. The U.S. Conference of Mayors has put out a position statement opposing 5G, California Governor Jerry Brown already vetoed a 5G bill, and 80 towns are suing the state of Ohio to retain local control.

Burlington, Massachusetts ratified a Small Cell Policy that would require the telecom companies to annually recertify their equipment is still viable, and Burlington will charge the vendor an annual fee so the town can hire an independent consultant to execute the annual recertification process.

The Verizon lawyer indicated his client did not wish to set precedent for recertification or for a fee, so he withdrew Verizon's seven small cell applications.

In your packet you will find links to this information and more on the [5G and IoT](#) page from my personal research repository, Understanding EMFs.

The FCC

[Harvard](#) reports the FCC is captured by the industries it presumably regulates, and has been using the big tobacco playbook to suppress evidence of harm and create doubt among consumers while promoting their toxic products.

FCC Commissioner Brendan Carr recently stated publicly that 5G is safe, and in December [Senator Richard Blumenthal and Congresswoman Anna Eshoo](#) sent a formal letter asking him to provide the science on which he based that claim. The FCC failed to respond.

Congresswoman Eshoo then filed [a federal bill](#) in January to block the FCC from taking away local control.

Last week, [Senator Blumenthal questioned the FCC](#) in a hearing with the Senate Commerce, Science, and Transportation Committee. The wireless carriers conceded they are not aware of any independent scientific studies on the safety of 5G technologies. Blumenthal also criticized the FCC & FDA for inadequate answers on outstanding public health questions.

Legal Issues

As Mr. Clegg indicated, [Lloyds of London, Swiss Re and others](#) already recognize wireless radiation as a leading risk and put exclusions in their policies.

That means the industry may not be insured for damages, and they typically pass that liability onto those with whom they sign contracts, namely our towns, schools, etc.

With regard to 5G, there are lawsuits mounting against the FCC and industry, as well as states for letting this technology in. Court cases are already being won around the world for wireless damages so it would behoove New Hampshire to proactively get ahead of this.

Solutions for Responsible Technology Infrastructure

We are fortunate to have many solutions today to help implement responsible technology. The bottom line is, wireless technology is harmful and unreliable so it is best to bring hard-wiring to the premises and teach the public to use technology safely.

I have brought with me hard copies of the policy book, ["Re-Inventing Wires"](#). I have one for the chairs and the public record, and others are welcome to download it. Many communities are building and managing their own fiber-optic networks which New Hampshire may wish to consider.

Grassroots Environmental Education has also collected best practices from cities and towns all over the country that are pushing back against the FCC and the unfettered rollout of small cell wireless facilities.

They have developed a [Model Wireless Telecommunications Ordinance](#) to help you protect New Hampshire property values, privacy, safety, energy consumption and public health.

Solutions for Educating the Public

As for educating the public, the film that won Best Documentary at the D.C. Independent Film Festival is called [Generation Zapped](#). In 74-minutes everyone can understand the urgency of this issue.

The non-profit [Wireless Education](#) also provides easy half-hour courses on-line to quickly train entire families, schools, communities and workforces.

Almost immediately, when one chooses to reduce wireless radiation exposures, we see a drastic reduction in insomnia, headaches, nosebleeds, nausea, fatigue, brain fog, behavior issues, anxiety, depression and more.

However, if wireless infrastructure is allowed to continue to be installed for “small cells” and “smart” utilities, our bodies will never get a chance to recover.

Please, enact House Bill 522 to ensure responsible technology infrastructure in New Hampshire, and teach the public to use their personal devices safely.

Thank you for your time and consideration. I would be honored to answer any questions you may have now or when you form a commission.



Submitted by Cecelia Doucette, Technology Safety Educator,
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