

WHAT SB 1188 WOULD MEAN FOR TELECOM AND WHAT IT WOULD MEAN FOR US

Despite the convenience and the enormous economic growth potential associated with the Internet of things, our primary concern as legislators is not convenience nor economic growth. As much as I love technology, per our Michigan Constitution, the public health and general welfare of the people of the state are supposed to be our primary concerns."

Michigan Senator Colbeck, testifying in opposition to their ALEC small-cell Bill.

TELECOM INDUSTRY	THE REST OF US
5G will bring fixed wireless to all homes!	Thank you, but we don't need "fixed wireless" in our homes. We want fixed wired - safe, fast, reliable, cyber secure and energy efficient FIBER (And we've already paid for it in our rates!!). If people want mobile in homes, they have WiFi.
5G will bring millions of jobs!!	"Robots are set to displace millions of US jobs." The Economist
5G cells are no larger than a small pizza box!	Small cells measure 3-6 cubic ft. and there may be multiple cells per pole. A box up to 28 cubic ft. with batteries, cooling fans, and more accompanies many sites. Small cells also can require a smart meter and Remote Radio Units.
Small cells are within FCC guidelines so there can be no adverse health effects!	The EPA, FDA, NIOSH and OSHA all criticized the FCC radiofrequency guidelines when they were first adopted in 1996. In 2014, the Minister of the Interior wrote that the FCC standards "...continue to be based on thermal heating, a criterion now nearly 30 years out of date and inapplicable today."
Non-ionizing radiation is safe according to the FCC.	A \$28 million National Toxicology Program study concluded non-ionizing radiation breaks DNA and can cause cancer.
"This new network has the potential to unlock up to \$12.3 trillion in revenue according to the Technology Review."	Referring to 5G's business case, Bloomberg Technology writes, 5G "may not be worth it...using wireless connectivity to let machines on the factory floor talk to each other, and for autonomous cars on the freeway to talk to light signals - - may take years to materialize, and may not pay that much. After all, many of these applications can be handled by Wi-Fi networks."
"...your whole world could become synced. For example, your smart flooring connected to 5G could communicate with your smart vacuum, also connected to 5G, to inform the vacuum that it is in need of cleaning."	Whoopy-doo!! A cell tower in my yard to connect to my "smart" flooring!!

<p>5G will bridge the digital divide and bring Internet to underserved communities!!!</p>	<p>Nice try, but no. Telecom would have to lay out billions for fiber, an expenditure they are not likely to make in the foreseeable future. So 5G, for the time being, will be slated for cities.</p>
<p>The data generated will bring in trillions!! “...the value of data goes up every day AI [artificial intelligence] advances.” “Data will become a currency....” Fortune Magazine.</p>	<p>Yes. Big data will potentially generate trillions. But, the trade-off... “The protection of privacy is a fundamental human right, and in the 21st century, it may become one of the most critical human rights of all.” Marc Rotenberg EPIC President</p>
<p>5G will be great for disaster recovery!!</p>	<p>Cell towers don’t hold up under disaster conditions. 17 days after Hurricane Maria, 86% of cell towers were still not working.</p>
<p>An article by Ken Schmidt, et al explains, “The wireless industry claims small cells are needed to enable smart city and IOT functions, they [Telecom] don't tell you that mobile video is the primary use of small cells....”</p>	<p>Ken Schmidt, et al go on to say: “The reality is that small cells densification is more about paid consumer and commercial video than it is about IOT or smart cities.” Bottom line: We’re getting these ugly towers in our yards for VIDEO!!</p>
<p>5G will even help in schools! “Technology integration in education inspires positive changes in teaching methods....”!!</p>	<p>Due to smart phones et al, “Young people are on the brink of the worst mental health crisis in decades.” Professor Jean Twenge -- Is it wise to increase tech immersion with 5G?</p>
<p>5G can bring fixed wireless to your home ...with speeds almost as fast as fiber!!</p>	<p>Again...we want safe, fast, reliable, cyber secure, and energy efficient fiber to our homes. NOT WIRELESS!! If someone DOES want wireless, they can use a WiFi network. No need for 5G!</p>
<p>5G will enable remote surgery!</p>	<p>If someone were to actually want remote surgery, there is no question that fiber would be far safer than wireless!!</p>
<p>5G will deliver “enhanced experience” like virtual reality and immersive video!!</p>	<p>Trade-off not worth it. We prefer health, privacy, cyber security, and <i>real</i> (not virtual) reality.</p>
<p>“This new network has the potential to unlock up to \$12.3 trillion in revenue according to the Technology Review.”</p>	<p>Does that estimate consider the cost of cyber security (estimated around \$6 trillion) and recovery after a cyber attack? Does it take into account health harms, environmental impacts, psychological effects such as addiction and gaming disorder, job loss, and liability? And what about the costs of the huge increase in e-waste, and the rise in green house gases from the mega energy footprint of our tech-buzzing world?</p>