



PO Box 12366
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August 22, 2019

Dear Representative Roae (Chair, House Consumer Affairs Committee), Rep Farry (Sub-Committee Chair on Telecommunications), and Members of the House Consumer Affairs Committee:

We, the undersigned, respectfully request a public hearing on HB1400, the proposed 5G “Small Wireless Facilities Deployment Act”, and any new bill pertaining to 5G or other wireless infrastructures and their operations.

At the June 12, 2019 hearing on HB1400, six proponents were allowed to present, and did so; however, no opponent, even one or more who had made a request in advance, was allowed to speak. Proponents misleadingly equated 5G with “broadband” and falsely claimed a public “need” for 5G that does not exist. A theoretical physicist with expertise in quarks and gluons, but neither education, professional capacity nor experience in the relevant science – public health: radiofrequency/microwave (RF/MW) radiation bioeffects – misled the Committee not only to suppose that 5G microwave radiation were safe, but also that the general consensus of the scientific community mattered in decision-making. In fact, per the Supreme Court Daubert Rule, non-expert assertions are unreliable: where proven false by reliable evidence, they must be dismissed. Only “relevant and reliable” evidence such as peer-reviewed studies and real experts in the field are admissible. The relevant and reliable evidence We-the-People offered was rejected by the Committee’s process, its members thereby deprived of the critical facts they needed prior to voting.

Nearly 25,000 scientific studies spanning nine decades overwhelmingly report adverse biological effects from radiofrequency/microwave (RF/MW) radiation, more than studies of smoking and lead.

Legislators lack authority to endanger or harm their 12.8 million Pennsylvanians and the animals, insects and plants on which we all depend. Vitaly essential facts lawmakers need to consider include, without limitation:

- The unprecedented number of wavelengths for 5G, with their harmonics, which by their sizes optimize absorption in the human brain, heart, reproductive, and other critical organs. This absorption damages these organs. Insects, birds and other animals, plants and agriculture are also harmed.
- This extreme absorption of 5G, increasing adverse effects synergistically, not merely additively.
- The unprecedented ambient and in-home MW radiation intensities from the operations of 5G in addition to other current wireless exposure.
- The increased complexity of simultaneous wave interactions within human and other bodies.
- The density of antennas near and on homes, schools, office buildings, etc. with close-proximity irradiation, and denser arcs of concentration approaching direct-energy weaponry.

- Denser data-per-second rate (which bears on biological effects) than all previous wireless systems deployed in the entirety of human history.
- Proof of scientific fraud in FCC guideline-setting.
- Consideration of neither 3G-4G-5G maximum-duration bioeffects nor of 30 years of relevant, reliable, Supreme Court-admissible research in FCC guidelines.
- FCC rules hand-cuffing state and local governances; the class-action lawsuits pertaining thereto.
- **The PA residents already injured into disability, impoverishment and homelessness by prior RF/MW radiation deployments and the protections to which they are entitled under the American Disabilities Act.**

The Committee must not vote on falsehoods or lack of facts. Fiber-Optics is the safest, fastest, and most secure form of internet access. By contrast, 5G requires increased energy consumption and results in excessive and unnecessary harmful microwave exposure for all Pennsylvanians, even those with disabilities exacerbated by this exposure. There is no ADA accommodation made for these Pennsylvanians, many of whom are already suffering from the current exposures that resulted from the PUC's interpretation of Act 129 as a mandate for smart meters.

A public hearing with opportunity for expert presentation and evidence, particularly for opponents' testimony, is essential. Health and environmental effects, safety, the basic functionality, security and reliability of 5G are of utmost legal, ethical and moral significance. This vote, if it occurs, may prove the most important one of lawmakers' careers. The magnitude of human suffering from 5G would be immense, as would the devastation to insects, birds, vegetation, agriculture and the economy. Lawmakers need time to study with full diligence. Public participation is requisite for public trust, the proper functioning of our republican form of government, and the democratic process. Thus, we request:

- A >30-day notice in advance, to arrange expert witness travel and preparation of written testimonies. Proponents apparently had such time to prepare for the June 12, 2019 hearing as well as the HB2564 hearing in August of 2018.
- A minimum of six (6) opponents chosen by Pennsylvanians for Safe Technology be allowed on the speakers list. Six is the same number of HB1400 proponents who spoke on June 12, 2019.
- Advance notice of the total time allowed for opposition testimony: minimally 2.5 hours, not counting question and answer time for lawmakers.

We look forward to your reply to the above address and thank you in advance.

Respectfully,



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