

From: [Steven Baker](#)
To: [SED Exhibits](#)
Subject: Testimony in Favor of Oregon Wi-Fi Radiation Exposure bill SB 283
Date: Wednesday, March 27, 2019 3:00:16 AM

To: Members of the Senate Committee on Education

I am writing in favor of adopting SB 283. This bill provides for the disclosure of potential health risks and should be approved. It does mandate specific behaviors, but requires disclosure.

Studies conducted over the last decades show that electromagnetic radiation can have deleterious impacts on biological systems. The impact on children is more pronounced. The impacts in children are of more concern because their biological systems are still developing and they will be exposed for longer periods of time over their lifetime and at higher doses than most of us adults.

Other countries such as New Zealand and France have already removed and prohibited the use of wireless technology in kindergarten and other classes. The latest study funded by the Federal Drug Administration (FDA) conducted by the National Toxicology Program (NTP) completed in 2019 found that electromagnetic radiation at levels common with mobile phone and Wi-Fi caused cancer in rats. These results agree with similar studies by Ramazzini (2019) in Italy and other earlier studies.

I worked for 15 years at the Oregon Department of Energy (ODOE) so I am familiar with state government and the legislative process. Disclosure is an appropriate way to inform the public without specifying a behavior. This is somewhat similar to my work at ODOE on Commercial Building Codes where the end result was specified but not how this was to be achieved. I then worked for 14 years at Microsoft as a specialist on networking which included wireless networking (Bluetooth, Wi-Fi, mobile phones, and mobile broadband/data). At Microsoft, I was considered an expert on network device drivers used by hardware vendors, wireless protocols and network programming using Microsoft Windows products. However, I was also concerned with appropriate use and the potential deleterious health effects of long-term exposures. This goes back to my undergraduate years at MIT working two summers in the early 1970s in Raytheon research Labs, a defense contractor.

I urge committee members to support this bill and send it to the full Senate for consideration.

Regards,

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