

Ellen Marks  
404 Wovenwood Drive  
Orinda, CA 94563  
925-285-5437

September 28, 2017

Dear Governor Brown,

I was thrown into the brain tumor/wireless radiation issue in 2008 when my seemingly healthy 56 year old husband suffered a grand mal seizure in his sleep and was rushed by ambulance to John Muir hospital. Within an hour we were told he had a large mass in his frontal lobe. I have dedicated my life to this issue as my family and I have personally felt the deep sense of sorrow associated with having a loved one with a devastating brain tumor that could have been avoided.

My husband began using a cell phone in 1986 and used it often as he was in real estate development and sales. He always held it to the right side of his head exactly where the tumor developed.

While we awaited Alan's surgery at UCSF, Senator Ted Kennedy fell victim to the same tragedy. Our eldest son had worked for the Senator in his private office. Our son received communication from Kennedy's office that his family was fairly certain it was "more likely than not" his cell phone use that caused the glioma and eventually took his life. When my son told me this I was devastated thinking that if this is true so many would be so horribly affected. Sadly my fears have turned to reality.

3 months after Alan's surgery I testified at a Congressional Oversight Hearing. I testified next to the FCC who admitted they do not have the scientific expertise to set RF standards. **Instead they rely on industry supported "experts" for so called safety standards for ALL wireless radiation.**

For several years my husband and I appeared on many national programs- Larry King Live, Dr. Oz, The View, specials with Sanjay Gupta and more. I mention this because our advocacy led to many others similarly affected reaching out to us. They were told by their doctors that it is "more likely than not" that their cell phone use or living near a cell tower caused their cancer.

Thus I have become ground zero for those negatively affected by wireless radiation. This is not limited to cell phone use- **but also to cell towers** near schools and homes. Countless Californians have lost their lives at young ages. I have attended far too many funerals in which small children walk behind a parent's casket or where parents have buried their children. Many cancers have been found near cellular equipment in both Southern and Northern Californian. 9 professors and student teaching assistants lost their lives on the campus of SDSU after working in a building adjacent to a cell tower.

I work with international experts daily and I have learned that this radiation is not only linked to brain tumors but also to salivary gland tumors, breast cancer, testicular cancer, infertility, **damage to fetuses**, autism, ADHD, Alzheimers, electro-sensitivity and more.

The results of the US NTP study were stunning and that employed 2G radiation. Just last week the US NTP released an abstract stating that the RF from **2G definitely** caused cancer in laboratory animals. **5G had never been proven safe.** How can we deploy this in every neighborhood in California knowing that there is excellent independent science proving that wireless radiation far below FCC guidelines is causing cancer, neurological damage, infertility and microwave sickness (5% of the population)?

**The WHO classification of radiofrequency electromagnetic fields as a possible carcinogen absolutely includes cell tower emissions.** Some IARC experts state that had they had the US NTP study results in hand in 2011 that **they would classified RF as a probable or absolute carcinogen.**

There is extensive excellent independent peer reviewed published science linking wireless radiation to negative health effects. I know you have heard from many experts but I felt that you would appreciate hearing about the victims also. Sadly those that have already died or are dying now are just the tip of the iceberg. A recent study shows glioblastoma multiforme (GBM), the deadliest of brain tumors and the type linked to cell phone use on the rise in Californians- especially those 20-39. This is not a coincidence. This tumor use to appear in those 65 or over and was rare in younger age groups.

The American Academy of Pediatrics has warned that children absorb more radiation than an adult and AAP sent their concerns to the deaf ears of the FCC. Many experts and victims have done the same. The FCC is basically controlled by the telecom industry. Harvard's Norm Alster wrote an excellent book on this a couple of years ago about the FCC being captured by the agencies it is supposed to regulate. He was referring to telecom capturing and controlling the FCC.

I won't bore you with studies. I simply wanted you to be aware that many California families have suffered from the effects of wireless radiation. The industry hides in the phone never to hold the phone to your body and the CDPH's excellent Cell Phone & Health document which could have saved lives has instead been suppressed for years. When good legislators such as Mark Leno and many others across the nation try to put this information at the point of sale the industry sues stating it violates their first amendment rights. This industry knows no boundaries and has absolutely no concern for human health.

We won that battle in Berkeley with the help of Larry Lessig of Harvard who defended Berkeley pro bono against telecom attorney Ted Olson. The notices are now in the stores in Berkeley but the industry is persisting after losing 3 rounds - they have now requested an en banc hearing. They are using the tobacco playbook- addict them, don't tell them the truth, make a lot of money and leave the mess for the next generation to clean up. Sadly telecom is addicting children first hand.

**SB 649 is about cell towers, not phones.** As mentioned previously, the WHO classification of RF as a possible carcinogen absolutely includes cell tower radiation. The US Department of Interior wrote a letter in 2014 stating that cell tower radiation is killing birds including the American eagle. They stated that the FCC guidelines are outdated and obsolete and do not take into account non thermal damage to wildlife or humans. **Thousands of studies now show that damage to our DNA is occurring at non thermal levels.**

You are a good man. I know there are far more things to consider when making your decision to veto or sign but please don't ignore the serious and very real health ramifications. Please consider the victims and their families- the Browns of Fresno, the Markses of San Francisco, the Solomons of Fresno, the Markses of Orinda, the Browns of Los Angeles, the Mitchells of Sacramento, the Ravels of Sacramento, the Bocooks of Palo Alto, the 8 Realtors in San Diego, the Vukeviches of Orinda, the Larsens of Pleasant Hill, the Furellis of Ripon (10 year old son has brain cancer attributed to cell tower on school grounds), the Millers of Los Angeles, the Primes of Ripon (10 year old son has Wilm's tumor attributed to cell tower on school grounds), the Prischmans of Los Angeles, the Smiths of Walnut Creek, the Jasperes of Escondido, the Farvers of San Diego and many others too numerous to name here. They are just the start of this horror.

I do not advocate against technology; I do advocate for honesty from industry, government intervention and for deploying this infrastructure as safely as possible. Fiber optics would be a far better solution.

**Governor Brown, please veto SB 649.**

If you want any further information please do not hesitate to contact me. Thank you for all of your excellent accomplishments over the years.

With Sincere Gratitude,

Ellen Marks

Director, California Brain Tumor Association (founded by our son in 2009)

Chair, California Alliance for Safer Technology