

SAMUEL MILHAM, MD, MPH

Olympia, Washington
sam.milham@gmail.com
360 866 0256

September 20, 2017

Governor Jerry Brown
State Capital, Suite 1173
Sacramento, CA 95814

Dear Governor Brown:

Re: **Please VETO SB 649**

Below I have listed 5 important publications that I believe have the most credible conclusions with respect to the health impacts that will be imposed upon the citizens of California if SB 649 is signed into law:

1. A major **[\\$25 million study recently released by the U.S. National Toxicology Program](#)** of the National Institutes of Health **found increased incidences of brain cancer, malignant tumors of the heart and DNA damage in laboratory animals from exposure levels the FCC considers "safe"!**

The [American Cancer Society's statement](#) on the significance of this new study: *"The NTP report linking radiofrequency radiation (RFR) to two types of cancer marks a paradigm shift in our understanding of radiation and cancer risk. The findings are unexpected; we wouldn't reasonably expect non-ionizing radiation to cause these tumors."*

2. [Mortality by neoplasia and cellular telephone base stations in the Belo Horizonte municipality, Minas Gerais state, Brazil.](#)

Dode AC, Leão MM, Tejo Fde A, Gomes AC, Dode DC, Dode MC, Moreira CW, Condessa VA, Albinatti C, Caiaffa WT.

Sci Total Environ. 2011 Sep 1;409(19):3649-65. doi: 10.1016/j.scitotenv.2011.05.051. Epub 2011 Jul 13.

This study found that the closer you lived to a cell tower base, the higher your cancer death rate. They found effects out to 500 meters (1500 feet); **With 5G, all residences will be close to the transmitter.**

3. AMERICAN JOURNAL OF INDUSTRIAL MEDICINE (2008)

A New Electromagnetic Exposure Metric: High Frequency Voltage Transients Associated With Increased Cancer Incidence in Teachers in a California School

<https://www.ncbi.nlm.nih.gov/pubmed/18512243>

Samuel Milham, MD, MPH, and L. Lloyd Morgan, BS

This paper shows that dirty electricity causes cancers in school teachers, and explains the epidemic of cancers in California school teachers.

4. The World Health Organization/International Agency for Research on Cancer (IARC) has classified radiofrequency electromagnetic fields as possibly carcinogenic to humans (Group 2B), based on an increased risk for glioma, a malignant type of brain cancer, associated with cell phone use.

In May 2011 the World Health Organization's preeminent cancer research agency, IARC, classified everything on the RF – EMF spectrum [*as a possible human carcinogen*](#), putting it in the same category as DDT. This includes radiation from cell towers.

5. CPUC General Order 95 - Section III - Requirements for All Lines

33.2 Ground or Earth as a Conductor

Ground or earth shall not be used as a normal return or circuit conductor. In direct current supply systems or in single phase or polyphase supply systems, a neutral or any other conductor shall be used under normal use as a return or circuit conductor; however, the grounding of the neutral or any other conductor is not permitted as a normal return or circuit conductor. The neutral or any other conductor is permitted to be grounded only for the purposes of stabilization and protection.

[Note: Revised January 19, 1994 by Resolution SU-25.](#)

This is important because all California electrical utilities currently dump about 80% of their return currents into the earth for substation return. **This violates the California PUC order 95 and the National Electric Safety Code.** Most of the dirty electricity generated by the millions of 5G transmitters will therefore get into the earth and get into homes through conductive plumbing, gas pipes, and concrete basement slabs. It is happening already, and is causing health problems.

I urge you to VETO SB 649.

Sincerely,

/s/ Samuel Milham

Samuel Milham, MD, MPH