

## Dirty Electricity At Mayo Elementary School

Harmful wireless radiation takes an unusual form.

By [Brian Dobbs](#) | Dec 13, 2018 4:32 pm ET | Updated Jan 31, 2019 3:49 pm ET

*This post was contributed by a community member.*



[Mayo Elementary School in Edgewater, Maryland](#) has a Dirty Electricity problem, and it is putting the health of the students and staff at risk every single school day.

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Most people are aware that man-made, wireless radiation comes from things like cell towers, smart phones, wifi-routers, and smart meters

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[Dirty Electricity](#) is the common name used to describe the phenomenon where **radio frequencies emanate from power lines**.

Why Should Mayo Elementary Parents And Staff Care?

A high number of teachers and students developed some form of **cancer** due to prolonged exposure to Dirty Electricity at **La Quinta Middle School in California**. News clip below. Study [here](#).

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#### Cancer Cluster in La Quinta CA High School



Radio frequencies are classified as wireless non-ionizing electromagnetic radiation (NIEMR). Wireless radiation was once thought to be harmless, but decades of research by scientists all over the world provides increasing evidence that shows otherwise.

In 2011, the World Health Organization (WHO) and the International Agency For Research On Cancer (IARC) [officially classified Wireless NIEMR as a Group 2b possible carcinogen](#).

As more and more research data becomes available, there is an increasing amount of researchers who are suggesting that the WHO/IARC classification is outdated and should be upgraded to a Group 1 known carcinogen.

[This paper](#), published in September 2018 by the journal *Environmental Research*, offers the same conclusion. [There is a growing body of](#)

health effects.

In 2012, a team of 29 authors (comprised mostly of PhDs and MDs from ten different countries) reviewed close to 1800 international studies on electromagnetic radiation and published what is known as [The BioInitiative Report](#). The BioInitiative Report concludes that even low-intensity exposure damages DNA, interferes with DNA repair, is toxic to the human genome, causes sleep disturbances, kills sperm, contributes to ADHD, and is linked to alzheimers and cancer development.

The National Toxicology Program, housed under the U.S. Department Of Health And Human Services [concluded](#) that there is "clear evidence" linking wireless radiation exposure to tumor growth in the hearts of male rats.

Based on the NTP study, the Governor-appointed Maryland State Children's Environmental Health and Protection Advisory Council (CEHPAC), [released an official recommendation](#) that students' exposure to radio frequencies should be minimized in public schools, citing children's unique vulnerability to its effects.

Due to their rapidly-developing bodies, children are especially sensitive to environmental toxins such as heavy metals and pesticides. Wireless NIEMR should be thought of the same way - a toxin. It stresses the body and weakens the immune system.

Research has also linked long-term Wireless NIEMR exposure to...

- Attention Deficit Disorder
- Memory Loss and 'Brain Fog'
- Fatigue
- Insomnia
- Ringing in the Ears
- DNA and Cell Damage
- Opening of the Blood-Brain Barrier
- Disruption of Communication Between Cells

What Causes Dirty Electricity?

North American power lines supply electricity in the form of alternating current (AC) at the rate of 60 oscillations per second (hertz). For the purposes of this article, pure 60 Hz AC electricity can be considered 'clean.'

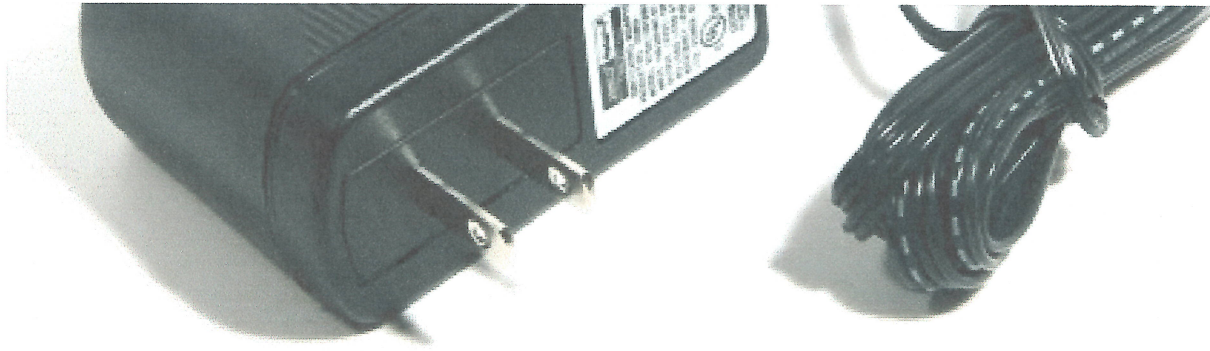
*Analog* electronics are able to use this AC power 'as-is', thus preserving the integrity of the 60 Hz AC electricity. Examples of analog electronics are...

- Incandescent Light Bulb
- CRT Television
- Tape Recorder
- Rotary Telephone

*Digital* electronics, however, require direct current (DC) to operate and therefore must convert AC to DC using what's known as a [rectifier](#). An AC adapter (a.k.a. as wall warts or power bricks) is the best known example of a rectifier.





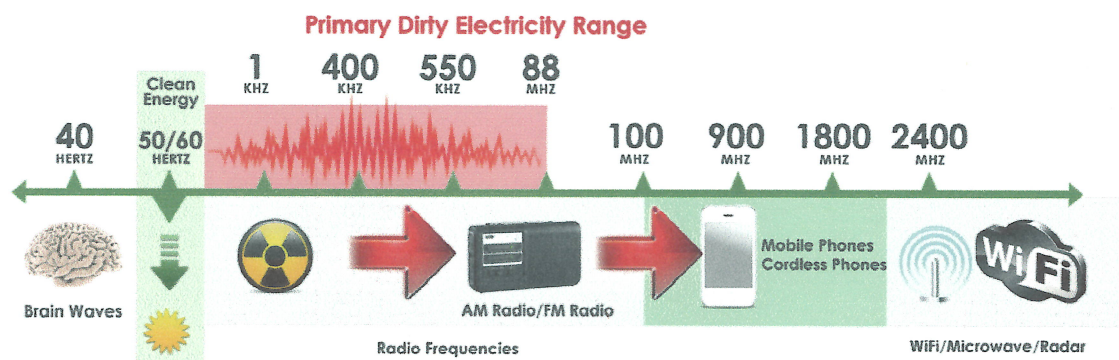


Digital electronics use electricity *intermittently*, turning the electricity 'on' and 'off' thousands of times per second, otherwise known as [switched-mode power supply](#) (SMPS).

The AC to DC conversion process combined with the inherent nature of SMPS interrupt the natural flow of the 60 Hz AC electricity by creating voltage spikes and high frequency voltage transients.

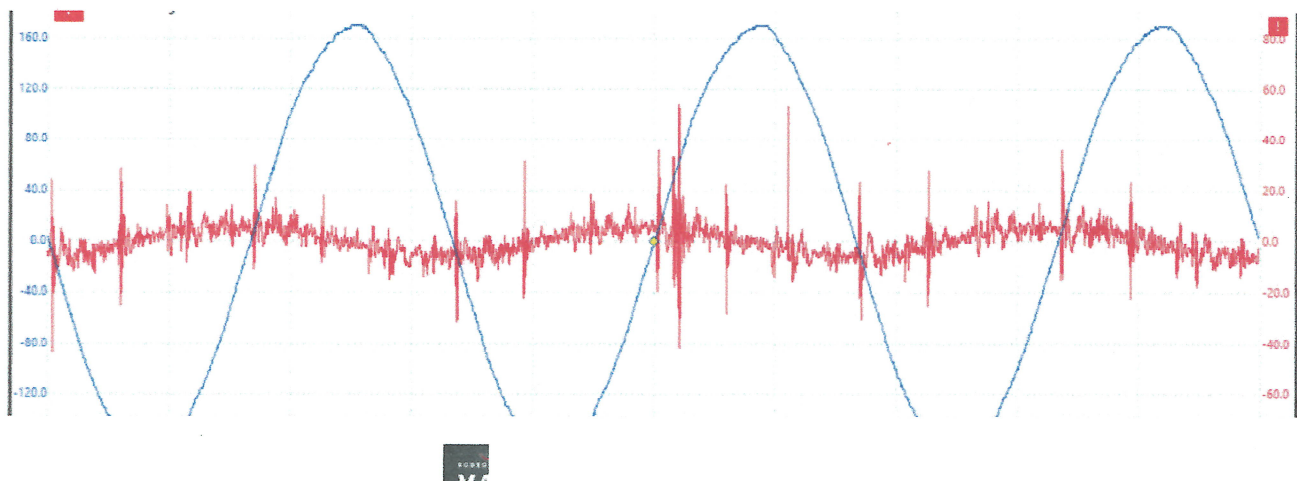
**These spikes and transients are commonly referred to as Dirty Electricity.**

60 hertz falls in the 'Extremely Low Frequency' range of the electromagnetic spectrum. Dirty Electricity refers to all of the other frequencies that 'piggy-back' on top the clean 60 Hz AC fundamental frequency, most of which fall into the radiowave part of the electromagnetic spectrum.

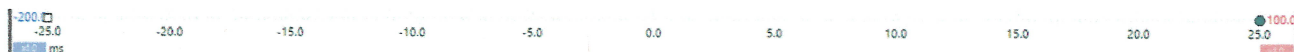


What Does Dirty Electricity 'Look' Like?

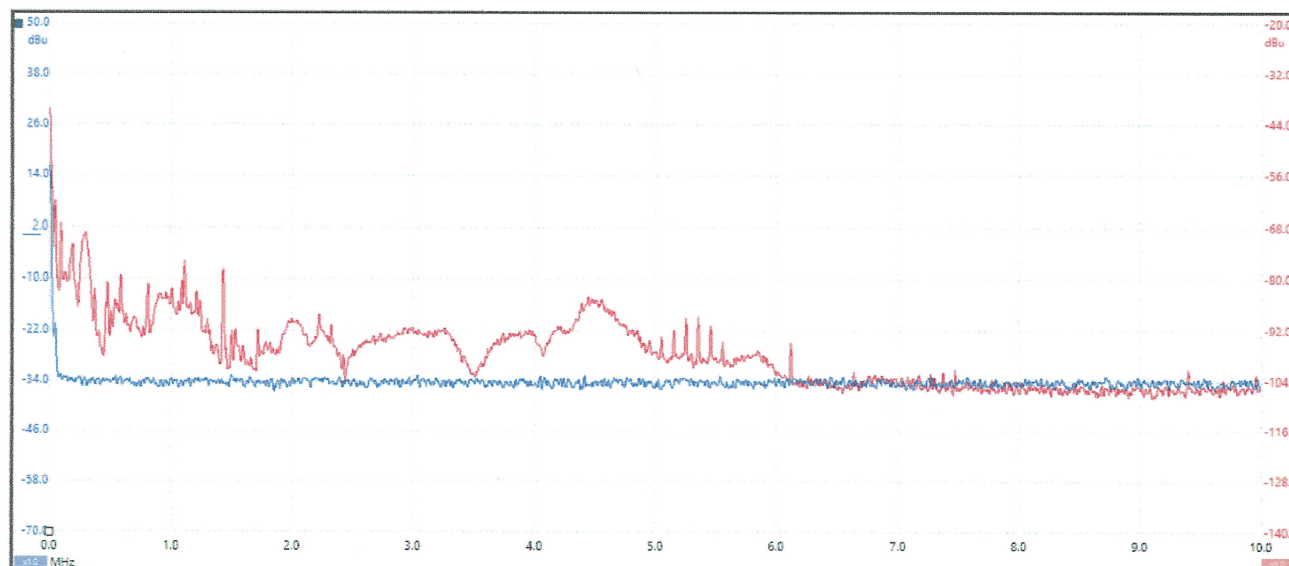
Visualizing the Dirty Electricity at Mayo Elementary School is only possible using a specialized instrument known as an oscilloscope. In the screenshot below the clean 60 Hz AC electricity is represented by the BLUE sine wave, which is what the school's electricity *should* look like. Unfortunately, the RED waveform is what Mayo Elementary's electricity *actually* looks like.







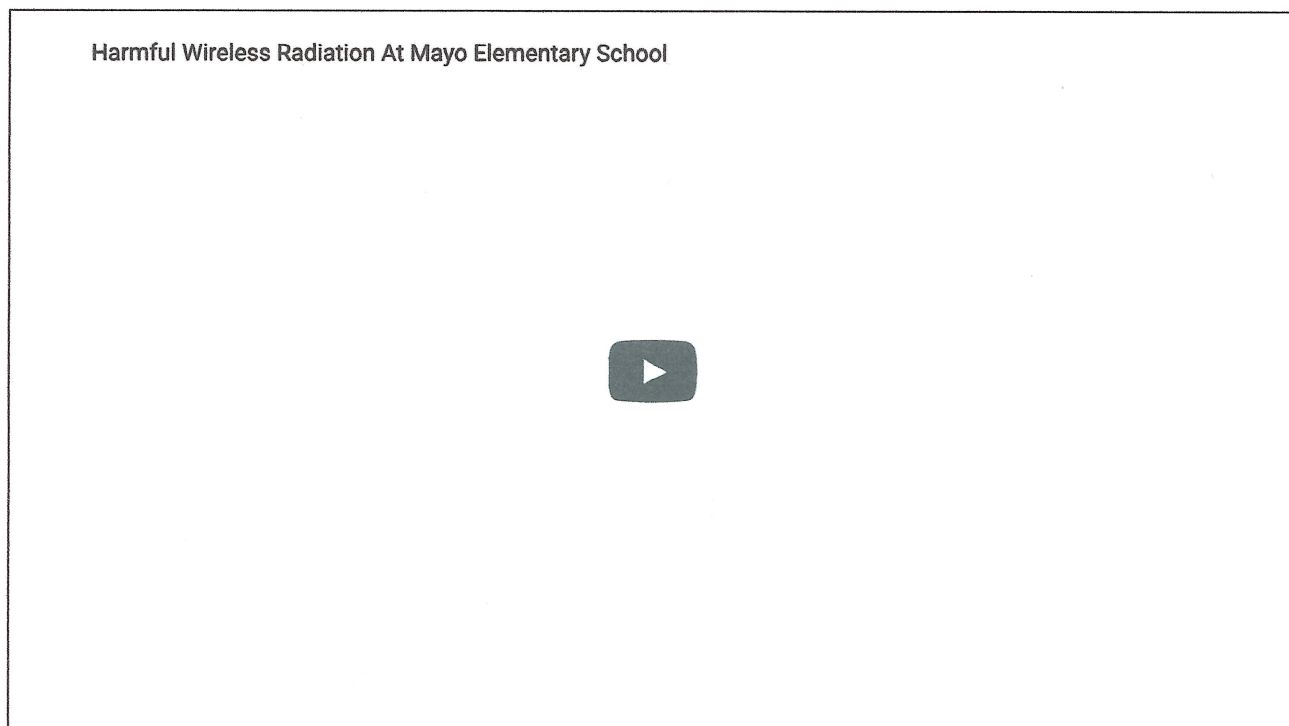
Further examination with a spectrum analyzer shows us the *exact frequencies that exist within the power lines of the entire school*. The screenshot below displays frequencies in the 0 - 10 Megahertz part of the electromagnetic spectrum. The BLUE line represents 'clean' electricity. The RED line represents the Dirty Electricity at Mayo Elementary School.



How 'Bad' Is The Dirty Electricity At Mayo Elementary?

Several companies sell handheld meters that non-professionals can use to try to quantify the Dirty Electricity of which you are trying to measure.

Using a [GreenWave meter](#) at Mayo Elementary, the level of Dirty Electricity is so high that it exceeds the range of the meter. See below video for a demonstration.



GreenWave suggests an ideal reading would be as close to 25 millivolts as possible. Since the meter is maxing out a 1984 millivolts, we

How Can Mayo Elementary Fix Dirty Electricity?

Ideally, Mayo Elementary should hire an Electromagnetic Radiation Specialist or [Building Biologist](#) to come in and take readings first, and then offer a solution to the Dirty Electricity problem.

There are a handful of companies that sell filters for Dirty Electricity, ranging from plug-in style to hardwired at the circuit panel.

Here is a video of a well-renowned EMF specialist [Eric Windheim](#), demonstrating different filtering techniques.

Measurement & Filtration of High Frequency Voltage  
Transients: LAB2



What Can Mayo Elementary Parents and Staff Do?

**There is a unique opportunity to educate and protect students from unnecessary exposure to wireless radiation.**

Maryland passed a law last year that requires...

...the State Department of Education, in consultation with the Maryland Department of Health, by June 1, 2019, to develop health and safety best practices for the use of digital devices in school classrooms; and requiring the Department, by July 1, 2019, to provide the best practices to each county board and nonpublic school for consideration and adoption.

If you are concerned about the health risks associated with exposure to wireless radiation, please send an e-mail as follows:

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Dear Secretary Neall and Superintendent Salmon,

I have a some questions regarding [Maryland House Bill 1110](#), and the Education Department's responsibility to develop health and safety best practices for the use of digital devices in school classrooms.

1. Will the medical recommendations of the [American Academy of Pediatrics](#) and [Vienna Medical Association](#) on radiation and health be included in the Best Practices guidelines?
2. Will [CEHPAC's recommendation](#) to reduce children's exposure to wireless radiation be included?
3. Will you also include solutions for mitigating [Dirty Electricity](#) (a unique form of wireless radiation) in public schools?
4. Will you highlight manufacturer's fine-print warnings to hold digital devices away from the body and brain?

If the answer to any of these questions is "No," then please explain why not.

For more information on the radiation problem in Maryland's public schools, please see the following articles.

- <https://patch.com/maryland/edgewater/high-levels-wireless-radiation-southern-high-school>
- <https://patch.com/maryland/edgewater/harmful-wireless-radiation-detected-mayo-elementary-school>
- <https://patch.com/maryland/edgewater/dirty-electricity-mayo-elementary-school>

Thank you for your time.

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**Send the e-mail to these people.**

Robert. R. Neall  
Maryland Secretary Of Health

Karen B. Salmon, Ph.D.  
Maryland State Superintendent Of Schools

**Please CC these people.**

Clifford S. Mitchell, M.D.  
Director, Office Of Environmental Health And Food Protection, Maryland Department Of Health

Valerie Emerich  
Director, Maryland State Department Of Education

**Initial ideas for HB1110 centered around screen time for children. What people need to understand is that the problem extends way beyond 'screen time.'**

What Else?

Dirty Electricity is fed back into the electrical grid, thus contaminating anything connected to it. In other words, it is found everywhere - *every school, home and office.*

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Related Article: [Harmful Wireless Radiation Detected At Mayo Elementary School](#)

The author is a concerned parent and registered independent. Twitter [@concreteprophet](#)

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