



Hannah Welsh &lt;hwelsh@huerfano.us&gt;

## Re: Position paper on cell towers, request for updated zoning

1 message

**Cheri Chamberlain** <cchamberlain@huerfano.us>

Thu, Jan 2, 2025 at 11:40 AM

To: healthyaging@proton.me, BOCC Correspondence <bocccmeeting@huerfano.us>

Cc: Building Department <building@huerfano.us>

Mary,  
Received.  
I will send this to get to the next BOCC meeting.  
Best,

**Cheri Chamberlain**

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On Thu, Jan 2, 2025 at 11:30 AM 'healthyaging' via Building Department <[building@huerfano.us](mailto:building@huerfano.us)> wrote:

***I am submitting this paper, and its referenced documents, to be incorporated into the public comment for zoning changes—especially with regard to strengthening zoning requirements for the installation of cell towers, small cells<sup>9-A</sup>, and all other associated wireless technology.***

Unlimited Cell Towers for Huerfano County?

There's a Safer and Better Alternative!!!

Mary Jensen

December 31, 2024

Huerfano County administrators are in the process of revising their Multi-Hazard and Land Use Plans, upon which future decisions will be made, and which will affect all of us who live and work here. I am not an expert in health and medicine, or science, or politics, but all of these fields have greatly influenced what we, the public, need to know about the dangers of cell towers, small cell transmitters<sup>9</sup>, cell phones, and electromagnetic frequencies on insects, birds, and almost all plant and animal species of life on earth. Unfortunately, this information is *not* widely available in the main media. We are constantly bombarded with propaganda about how convenient wi-fi is...but we don't hear much about how dangerous it is.

please keep reading....

**Politics in Medicine**

In 1985, Robert Becker, MD published a fascinating book called The Body Electric<sup>8</sup>. Becker was doing research on the regeneration of destroyed limbs for the military. His work was ground breaking--he discovered the existence of electrical currents in parts of the nervous system that led to a better understanding of bone fracture healing, new possibilities for cancer research and hope for human regeneration of organs—even the heart and spinal cord. This knowledge of life’s electrical dimension yielded fundamental insights into pain, healing, growth, consciousness, and the nature of life itself. *It also revealed the dangers of electromagnetic technology.*

At that time, Becker tried to express his misgivings about the dangerous proliferation of electric power transmission lines. His political statements to bring awareness of these dangers created huge professional problems, which had decidedly negative effects on his ability to fund and continue the research he was doing. He discussed the problems he faced, over decades of research, by speaking truth to power.

The last chapter of his book, “Postscript: Political Science,” gives detailed examples of how scientists doing incredibly useful work were derailed by “*greedy, power-hungry, prestige seeking, dogmatic, pompous asses, not above political chicanery and outright lying, cheating and stealing....and how changes in the structure and funding of scientific institutions today have produced a situation so heavily weighted in favor of the establishment that it impedes progress in health care and prevents truly new ideas from getting a fair hearing, in almost all circumstances.*” [emphasis added, pp331-332]

He goes on to say that research today is “*so expensive that only governments and multinational corporations can pay for it, and...the funds are dispensed by agencies staffed and run by bureaucrats who aren’t scientists [or doctors] themselves.*” [p 332]. “*Finally, we must add to these factors the buying of science by the military....*” *nearly two thirds of the...1984 federal research budget went for military work, and in the field of bio-electricity the proportion was even higher. While military sponsors often allow more technical innovation than others, their employees must keep their mouths shut about environmental hazards and other moral issues that link science to the broader concerns of civilization.*” [bold and italics added, p. 333]

You would think that things haven’t changed much since 1984, but you’d be wrong. They are much worse in 2024!

## Overview

Since 1984, thousands of studies show that wireless radiation cannot just harm human health, it also makes it harder for birds and bees to navigate, disrupts mammal and marine migration, kills trees and plant life and threatens entire ecosystems. However, instead of protecting public health and our environment, the Federal Communications Commission (FCC) has not updated its wireless exposure guidelines in almost 30 years.<sup>4,10</sup>

A recent review of the scientific research for a medical debriefings update revealed that the peer reviewed scientific literature on the harms of electromagnetic radiation (EMR) from the years 2011 to 2019 seems to be completely missing from the internet archives.<sup>4</sup> Was Artificial Intelligence directed by the “One World

Government” globalists to remove negative findings of wireless transmission at the FCC’s request? If not, then who orchestrated this?

Cell phones and cell towers (including small cells) are a huge part of the problem, but they are not all of it. US building code-compliant, grounded systems take electricity from the grid to your home, and transmits unused electricity directly to the ground through a ground wire, which disrupts the earth’s natural magnetic balance. Add electrical grid wi-fi radiation between 50-60 Hz, powerful wi-fi routers for computers, TVs, smart appliances, etc., and you have produced “*dirty, ionizing electricity*” in the ground, the air, your house and your body. Smart meters from your electric company can add to the invisible problems. It has been estimated that up to 80% of health problems today can be attributed to electromagnetic generation and transmission. <sup>4</sup>

The proliferation of smart cars, smart meters, smart home assistants, like Ring doorbells and robotic vacuums... the substitution of AI algorithms for human intelligence and the data centers needed to store and analyze our daily purchase and financial habits in “the cloud”... and of course, wi-fi routers linked to a growing world-wide network of satellites that have us under 24/7 surveillance —these all emit electromagnetic radiation/frequencies which are detrimental to our health and the planet.

We are literally existing in an electronic soup of our own making. 80% of the insects that pollinate our food crops and 80% of the songbirds have already disappeared. Trees and other crops are beginning to die from exposure to EMRs. *How can we live if the plants on the planet cannot produce oxygen for us to breathe?*

### ***The Scope of the Health Problem***

**Electrosensitivity**—sometimes referred to as electromagnetic sensitivity (EMS), electromagnetic hypersensitivity, or microwave sensitivity, is a new federally recognized medical insurance reimbursement term for people who experience adverse health effects due to artificial electromagnetic field (EMF) exposure. [*Good luck finding a doctor who can identify and treat it!*]

A 2019 analysis of U.K. data concluded that **5%-30%** [affecting approximately 2-99 million people] of the general population<sup>1</sup> had mild electrosensitivity. These numbers are high enough to warrant calling electrosensitivity “a humanitarian crisis that requires an urgent response”<sup>2</sup>. They are also high enough to make finding health insurance almost impossible.<sup>9-A, 14</sup> So we are on our own!

EMS typically affects multiple body systems, such as cardio-vascular and neurological, the regulatory hormones, our microbiome—even our DNA—in a way that limits a person’s ability to live a normal life. *The Washington Post* recently reported on dozens of “electrosensitive” people who moved to a remote West Virginia town with no cell service, drawing media attention to how wireless radiation can cause some people to experience life-altering health symptoms—including heart arrhythmias, headaches, eye problems, burning skin, brain fog, memory issues, fatigue, [birth defects from parental exposure, loss of IQ]<sup>4</sup> and/or other symptoms.” These people...they didn’t want to move, but they had to!<sup>1</sup>

We have all heard of the “Havana Syndrome” which our diplomatic corp has suffered in a variety of countries to which they have been stationed. The symptoms are excruciating headaches, memory loss, followed by *almost total disability*, requiring retirement and years of physical and mental rehabilitation. Although these highly focused electromagnetic and ultrasound weapons have been developed as military and political weapons, as civilians we are subjected to growing exposure to diffuse concentrations of EMRs in everyday life.

People’s susceptibility to electromagnetic frequencies varies. For some people, EMRs and EMF’s are literally life-threatening, and they can spend years going to doctors who are not trained in diagnosing or treating these illnesses while they steadily deteriorate. Others develop symptoms so slowly that they just start losing their memory, developing turbo-cancers, hormonal disruptions, and more.

### **Documented Health Issues of Cell Towers**

*Living near a cell tower can be dangerous.* The closer you are, the worse the effects. Also, the likelihood of damage increases with length of exposure. For example, *turbo cancers* seem to become particularly active after four years of proximity to cell towers.<sup>4</sup> Rarely do people associate their aggressive cancer to the cell tower erected near their home four years previously. But the cellular communications and the health insurance companies do know about it—they’re just not telling us.

Which is why Huerfano County needs zoning that protects the health and welfare of its residents! “Once a tower is built, there are few avenues to challenge the installation. Early community mobilization and opposition [*before the towers are approved and built*] are critical for protecting residents’ health, property values and the local environment.”<sup>3</sup> ***Please refer to and adopt “Key Elements of a Safe Wireless Ordinance” under Resources at Stop5G.org.***

Children’s Health Defense reported a case<sup>5</sup> of a woman who was electrosensitive and who experienced a series of 51 strokes, vision loss, hearing loss, headaches, sleep disruption, chronic fatigue and cognitive impairment very shortly after a cell tower was upgraded for 5G-- 900’ from her home. This life-threatening condition forced her to move, and then she discovered that proximity to the cell tower radically decreased the market value of her home. Given that most people’s homes are the primary source of their life’s financial equity, you should know that nearby cell towers can radically affect your property values as well as health.<sup>12, 13</sup>

### **Insurance authorities classify 5G as “High Risk”<sup>15</sup>**

*cautioning that “potential claims for health impairments may come with a long latency.”*

Although the purpose of this paper is to focus on health issues, there is an excellent article

<sup>14</sup> which summarizes **the effects of cell towers on property values.** Cell towers are listed among the top five emerging risks (digital technology, the spread of 5G mobile networks, central bank monetary control, genetic testing results on life expectancy and climate change). This article summarizes insurance industry attempts to avoid liability

for the health and property damages of electromagnetic radiation: including the “Verizon Pollution Exclusion”, the “Marsh Report 2014” and “Electromagnetic Fields (Utilities) Liability Insurance”.

Refusal to insure the harms of EMR is a similar industry protective action that attempts to provide wireless providers with the same type of liability protection that the US Pharmaceutical companies have enjoyed for years. Like the pharmaceutical companies, they refuse to disclose the dangers, and then tell us we’re on our own. If the insurance companies, won’t take the risk, why should we?

## **The GOOD NEWS**

### **Huerfano County has the legal right to regulate the installation of cell towers!**

Even though federal and state laws encourage the buildout of 5G, public health, safety and economic benefits allow local governments some leeway in regulating wireless installations. A landmark court decision by the DC Circuit Court of Appeals (August 13, 2021) found that the FCC regulations “failed to consider...the adverse health effects of wireless technology” and its regulatory limits were “arbitrary and capricious in failing to respond to record evidence.”<sup>11</sup>

Local authorities can regulate the placement, construction and modification of cell towers based on factors including land use, aesthetics and public safety.... Economic considerations are valid if “local government balances community concerns with the benefits...that telecom infrastructure brings.”

Safety is a very important issue that municipalities can regulate, and is particularly important given Huerfano county’s identification of **wildfires as a multi-hazard risk**. Cell tower fires require special treatment by trained responders (not public volunteers), access to multiple escape routes, and cannot even be addressed until the power company has completely shut off the power serving them—*average response time 60 minutes*.<sup>6</sup> With our wind conditions, a cell tower fire could easily get out of hand in that first hour.

In Huerfano County, prior public input on the location, and proximity of new cell towers is not presently required. Apparently, if a cell service provider approaches a landowner, and strikes a deal, neighbors have nothing to say about location, whether or not they are electro-sensitive, or whether or not the tower is within the recommended 1000-1640 foot danger zone. Fortunately, legal elements for the **Application and Permitting Process** are clearly and succinctly outlined at *Stop5G.com*, under “Resources” in the *Key Elements of a Safe Wireless Ordinance* section.<sup>6</sup> Much of the legal legwork has already been done.

“Key elements of a safe wireless ordinance typically include stringent health and safety standards to mitigate any potential risks from electromagnetic radiation, clear guidelines for the siting and installation of wireless facilities to preserve community aesthetics, and robust public participation processes to ensure that community concerns and feedback are adequately addressed. Additionally, such ordinances often establish detailed permitting procedures, including timelines and fees, to streamline the deployment of wireless infrastructure while maintaining local oversight.”<sup>6</sup>

In addition to above ground installations, *Fiber internet should always be prioritized over wireless. Longmont, CO and several other cities in Colorado have minimized cell towers in favor*

of buried underground cable. Underground fiber cable transmission lines have many advantages over wi-fi. They are less likely to be affected by weather emergencies (hail, high winds, freezing temperatures) and they are out-of-sight, which increases the scenic value of any view! They are less susceptible to hacking, and are much less likely to affect health and the environment.. So why are cell towers still going up? They are ugly as sin!

### **General Recommendations**

1. See **Building Biology Recommendations** for constructing a safe house or building. Household ambient currents create body voltage changes in relation to the earth, which normally work to keep the brain and body healthy. Without special attention, even very experienced electricians often fail to strictly adhere to the electrical code, and fail rigorous final inspection, according to Santa Fe architect Paula Baker La-Porte, author of A Healthy House. See detailed information at [www.buildingbiology.com](http://www.buildingbiology.com)

2. Buy an EMF meter for your home or work; use it, and share it with your family and friends. 'EMR is a silent killer. You cannot see, or hear, or smell electromagnetic radiation. **Safe and Sound Classic II** is calibrated for accuracy and highly recommended for ease of use. It uses color-coded LED lights and/or sound to identify areas of concern from slight to Extremely Dangerous. Believe it or not, two of the most dangerous sources of EMRs are wifi-routers (6000 or more MHz) and baby monitors (49,902 MHz!) Check it out at [www.safelivingtechnologies.com](http://www.safelivingtechnologies.com)

3. USE A LAND LINE AT HOME. (It's also great to have when the internet goes down.) HARD-WIRE your computer, TV and smart devices with ethernet cable to significantly reduce EMR. Amazingly, the safest place in my house is right in front of the hard-wired TV. The most dangerous by far (**EXTREME DANGER**) is the empty room where my router resides!

4 CELL PHONES. Over 500 studies show that none of the cell phone frequencies are safe.<sup>4</sup> TURN THEM OFF WHEN YOU ARE NOT USING THEM and REMEMBER that DISTANCE IS YOUR FRIEND. Hold phones away from your head and use the speaker phone, or air-tube headsets (not Blu-tooth or wifi!). Carry phones off your body, or in a wi-fi protected case.

5. UNPLUG YOUR ROUTER AT NIGHT and TURN OFF ALL ELECTRICAL AND WI-FI DEVICES in your bedroom. If necessary, move your bed to a safer location, so your body can repair the damage done to you from daytime exposure. (Use your EMR meter to find a safe location.)

6. LIMIT SCREEN TIME from all sources after dark. Wi-fi negatively affects melatonin production in the pineal gland resulting in sleep disturbances, central nervous system disorders, such as Alzheimers disease and Autism Spectrum Disorder, nervous anxiety, fatigue, and concentration difficulties and memory.<sup>4</sup> Long term exposure to EMRs decreases Calcium, Zinc, and Magnesium and may be associated with osteoporosis (reduced bone density). Exposure to high EMR readings (work and home) are associated with higher frequencies of head and neck cancer.



7. PROTECT YOUR CHILDREN! They are much more vulnerable to EMR than adults. Because their skulls are less dense than adults, EMR from cell phones (both prenatal and postnatal) penetrates almost the entire brain of children, causing central nervous system inflammation and whole body oxidative stress. EMF exposure to children reduces IQ, and is associated with autism, brain fog, memory disorders, metabolic changes, visual reaction time, anxiety and depression, all of which are complicit in hyperactivity, learning and behavioral disorders... It also reduces both stature and muscularity. <sup>4</sup>

A New Hampshire Commission's expert report recommends that setbacks for all new cell towers should be 500 meters (or 1,640 feet). This is recommended for residential dwelling units, daycare centers, school, parks, nursing homes, hospitals, athletic fields, places of business and/or playgrounds.

Hard-wire all computers in the school. Outlaw personal cell phones in school. Prohibit cell towers within 1640' of school grounds. At home, reduce screen time on all wi-fi TVs, cell phones, games, etc.

### Conclusion

The Nuremburg Code was adopted by the US after WWII in concordance with international law. It is considered the universal Gold Standard and addresses the universal right to have Informed Consent about all vaccines and other pharmaceutical protocols. Informed consent requires a written disclosure of all the risks and potential benefits for each medical treatment, whether experimental or not. We desperately need the right of Informed Consent for Exposure to life-altering electromagnetic frequencies broadcast by cell towers!

Let your county officials know that you want them to protect your health and the health of the environment in Huerfano County by regulating the installation and placement of cell towers, and by restricting cell phone use in schools and public places. Read and adopt the recommendations in "Key Elements of a Safe Wireless Ordinance" at Stop 5G.com.

*The Children's Health Defense.org—has lawyers who fact-check everything that is published/broadcast before it appears on their site, either in print or on-line. It is a great source of accurate information for digesting the science, politics and medical aspects of electromagnetic frequencies. Much of the material referred to in this paper, can be found on their fact-checked website: Stop5G@CHD.org*

### Reference Notes

1 Washington Post Shines Light on What Modern Life is Like for People with Electromagnetic Sensitivity, by Suzanne Burdick, PhD, Children's Health Defense, Oct 25, 2024

2 International Commission on the Biological Effects of Electromagnetic Fields (ICBE EMF)

[3 CHD Launches Stop 5G Initiative to Help Communities Challenge Cell Towers. Oct 15, 2024 Stop 5G.org.](#)

[4 Dietrick Klinghardt—private Debrief Notes on the Health Dangers of EMF Nov.- Dec. 2024](#)

[5 Exclusive: Woman Living Near Cell Tower Diagnosed with 51 Strokes, Children's Health Defense, Feb 26, 2024](#)

[6 Key Elements of a Safe Wireless Ordinance, "Resources", Stop 5G.org](#)

[7 Paula Baker-LaPorte. \*Prescriptions for A Healthy House.\* \(2nd ed\), New Society Publishers, British Columbia Arts Council, 2001](#)

[8 Becker, Robert, MD and Gary Selden. \*The Body Electric—Electromagnetism and the Foundation of Life.\* New York, William Morrow, 1985](#)

9 [www.Environmental Health Trust, the scientific evidence on 5G, Small Cells and more](#)

*Brief Notes: Wi-fi EMR is classified as a Group 1 human carcinogen.*

*The Environmental Working Group...concluded that the FCC limits should be strengthened by 200-400 times to protect children.*

*A major recent study showed decreased memory among teenagers with cell phone exposure (even very low levels can change brain function, including in*

*the left hemisphere.*

10 *The Evidence Today is overwhelming and indisputable. Interview with EMF biophysicist Dr. Dimitri J. Panogopolis, by Nick Pineault 9/18/2024*

11 *Landmark Court Decision by DC Circuit Court of Appeals. Review summary at Stop5G.org under Resources: Also See Legal and Regulatory Landscape at the Federal, State and Local Levels.*

12 **"In some areas with new towers, property values have decreased by up to 20%."** - "Your new neighbor, a cell tower, may impact the value of your home" National Business Post, 2022.

13 5G, Small Cells and Cell Towers Can Drop Property Values . Report and Analysis by David E. Burgoyne, ASA, SR/WA. Certified General Real Estate Appraiser to the FCC in Docket 16-421

14 Insurance Industry: 5G is an Emerging Risk Situation. August 25 2022, by cindyleerussell.

15 New Emerging Risk Insights by Swiss Re Insurance Company. [www.swissre.com/institute/research/sonar/sonar2019.html](http://www.swissre.com/institute/research/sonar/sonar2019.html)

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#### 9-A **5G "small" cells**

"Small" cells is an industry word for cell towers with transmitting antennas close to the ground near our homes. The FCC has estimated over 800,000 new "small" cells will be installed throughout the USA and millions worldwide. Radiating cell antennas with 5G, 4G, 3G, and 3G technology will be mounted on:

- Street lights



- Trashcans
- Utility poles
- Bus stops
- Rooftops of buildings.

**The radiation from these small cell antennas is not small.**

Wireless antennas emit microwaves — non-ionizing radio-frequency radiation — and essentially function as cell towers. Each installation can have over a thousand antennas that are transmitting simultaneously. Examples of how small cells are *not small* include:

- 5G will use new “beam-forming” antenna designs that create multiple streams of signal from each fixture.
- They increase electromagnetic radiation near homes.
- They have refrigerator-sized (and larger) equipment cabinets.
- Property values drop after a cell tower is built near homes.
- Taller and wider poles are needed for the antennas.

[Fixtures weigh hundreds of pounds.](#)

Sent with [Proton Mail](#) secure email.